MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0811	EA	14" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.86	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0812	EA	14" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.07	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0813	EA	14" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.43	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0814	EA	14" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.80	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0815	EA	14" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.16	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0816	EA	14" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.39	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0817	EA	14" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.74	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0818	EA	14" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.11	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0819	EA	14" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.32	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0820	EA	14" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.70	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0821	EA	14" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.07	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0822	EA	16" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	59.47	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0823	EA	16" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	62.16	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0824	EA	16" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	64.88	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0825	EA	16" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	67.57	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0826	EA	16" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	69.43	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0827	EA	16" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.85	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0828	EA	16" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	77.56	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0829	EA	16" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.25	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0830	EA	16" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	84.80	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0831	EA	16" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.52	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0832	EA	16" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.22	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0833	EA	16" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.76	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0834	EA	16" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	97.47	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0835	EA	16" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.19	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0836	EA	18" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	65.32	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0837	EA	18" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	68.55	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0838	EA	18" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.79	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0839	EA	18" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.03	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0840	EA	18" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	80.11	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0841	EA	18" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.35	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0842	EA	18" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.58	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0843	EA	18" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	89.82	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0844	EA	18" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.92	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0845	EA	18" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.15	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0846	EA	18" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	101.39	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0847	EA	18" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.48	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0848	EA	18" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	109.71	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0849	EA	18" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	112.95	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0850	EA	20" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	71.13	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0851	EA	20" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	74.73	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0852	EA	20" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	78.32	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0853	EA	20" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	81.91	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0854	EA	20" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.37	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0855	EA	20" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	90.96	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0856	EA	20" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	94.56	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0857	EA	20" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.15	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0858	EA	20" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	103.60	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0859	EA	20" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	107.19	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0860	EA	20" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.79	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0861	EA	20" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	116.24	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0862	EA	20" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	119.84	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0863	EA	20" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	123.43	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0864	EA	22" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	75.08	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0865	EA	22" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.04	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0866	EA	22" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	82.99	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0867	EA	22" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	86.94	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0868	EA	22" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	92.77	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0869	EA	22" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	96.72	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0870	EA	22" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	100.67	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0871	EA	22" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	104.63	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0872	EA	22" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	110.43	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0873	EA	22" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	114.38	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0874	EA	22" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	118.33	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0875	EA	22" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	124.15	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0876	EA	22" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	128.10	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0877	EA	22" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	132.05	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0878	EA	24" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	79.04	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0879	EA	24" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	83.35	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0880	EA	24" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	87.67	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0881	EA	24" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	91.98	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0882	EA	24" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	98.15	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0883	EA	24" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	102.46	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0884	EA	24" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	106.77	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0885	EA	24" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	111.10	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0886	EA	24" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	117.26	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0887	EA	24" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	121.57	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0888	EA	24" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	125.88	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0889	EA	24" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	132.05	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0890	EA	24" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	136.38	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0891	EA	24" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Kick Plate	140.69	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-0892 Brass Base Material Kick Plate *(08 71 11 00-0763)*

08 71 11 00-0893 Bright/Satin Brass Finish, Brass Kick Plate *(08 71 11 00-0892)*

08 71 11 00-0894	EA	8" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	77.06	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0895	EA	8" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	81.52	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0896	EA	8" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	86.01	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0897	EA	8" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	90.47	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0898	EA	8" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	96.80	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0899	EA	8" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	101.29	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0900	EA	8" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	105.76	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0901	EA	8" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	110.23	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0902	EA	8" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	116.55	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0903	EA	8" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	121.02	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0904	EA	8" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	125.49	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0905	EA	8" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	131.81	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0906	EA	8" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	136.31	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0907	EA	8" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	140.77	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0908	EA	10" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	89.37	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0909	EA	10" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	94.94	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0910	EA	10" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	100.54	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0911	EA	10" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	106.13	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0912	EA	10" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	113.56	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0913	EA	10" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	119.16	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0914	EA	10" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	124.76	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0915	EA	10" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	130.35	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0916	EA	10" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	137.78	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0917	EA	10" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	143.38	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0918	EA	10" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	148.98	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0919	EA	10" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	156.41	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0920	EA	10" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	162.01	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0921	EA	10" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	167.60	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0922	EA	12" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	101.63	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0923	EA	12" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	108.37	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0924	EA	12" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	115.06	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0925	EA	12" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	121.77	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0926	EA	12" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	130.35	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0927	EA	12" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	137.05	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0928	EA	12" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	143.76	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0929	EA	12" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	150.45	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0930	EA	12" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	159.05	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0931	EA	12" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	165.74	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0932	EA	12" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	172.45	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0933	EA	12" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	181.01	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0934	EA	12" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	187.71	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0935	EA	12" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	194.44	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0936	EA	14" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	115.81	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0937	EA	14" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	123.63	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0938	EA	14" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	131.45	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0939	EA	14" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	139.29	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0940	EA	14" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	148.98	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0941	EA	14" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	156.81	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0942	EA	14" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	164.62	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0943	EA	14" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	172.45	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0944	EA	14" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	182.14	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0945	EA	14" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	189.96	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0946	EA	14" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	197.77	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0947	EA	14" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	207.45	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0948	EA	14" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	215.29	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0949	EA	14" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	223.12	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0950	EA	16" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	159.34	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0951	EA	16" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	171.15	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0952	EA	16" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	182.93	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0953	EA	16" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	194.69	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0954	EA	16" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	208.33	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0955	EA	16" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	220.13	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0956	EA	16" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	231.92	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0957	EA	16" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	243.67	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0958	EA	16" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	257.34	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0959	EA	16" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	269.14	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0960	EA	16" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	280.92	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0961	EA	16" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	294.53	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0962	EA	16" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	306.31	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0963	EA	16" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	318.11	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0964	EA	18" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	175.29	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0965	EA	18" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	188.51	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0966	EA	18" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	201.73	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0967	EA	18" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	214.98	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0968	EA	18" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	230.07	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0969	EA	18" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	243.28	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0970	EA	18" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	256.54	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0971	EA	18" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	269.75	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0972	EA	18" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	284.87	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0973	EA	18" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	298.10	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0974	EA	18" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	311.31	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0975	EA	18" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	326.42	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0976	EA	18" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	339.63	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0977	EA	18" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	352.85	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0978	EA	20" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	193.32	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-0979	EA	20" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	208.01	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0980	EA	20" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	222.73	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0981	EA	20" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	237.40	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0982	EA	20" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	253.98	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0983	EA	20" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	268.69	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0984	EA	20" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	283.38	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0985	EA	20" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	298.10	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0986	EA	20" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	314.62	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0987	EA	20" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	329.34	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0988	EA	20" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	344.05	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0989	EA	20" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	360.60	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0990	EA	20" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	375.32	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0991	EA	20" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	389.99	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0992	EA	22" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	209.50	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0993	EA	22" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	225.65	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0994	EA	22" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	241.82	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0995	EA	22" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	258.00	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0996	EA	22" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	276.03	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0997	EA	22" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	292.21	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0998	EA	22" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	308.38	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-0999	EA	22" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	324.57	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1000	EA	22" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	342.57	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1001	EA	22" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	358.74	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1002	EA	22" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	374.92	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1003	EA	22" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	392.95	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1004	EA	22" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	409.13	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1005	EA	22" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	425.27	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1006	EA	24" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	225.65	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1007	EA	24" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	243.28	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1008	EA	24" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	260.94	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1009	EA	24" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	278.59	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1010	EA	24" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	298.10	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1011	EA	24" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	315.73	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1012	EA	24" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	333.37	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1013	EA	24" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	351.98	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1014	EA	24" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	370.50	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1015	EA	24" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	388.13	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1016	EA	24" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	405.78	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1017	EA	24" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	425.27	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1018	EA	24" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	442.94	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1019	EA	24" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Kick Plate	460.57	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1020 Bright/Satin Chrome Finish, Brass Kick Plate *(08 71 11 00-0892)*

08 71 11 00-1021	EA	8" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	82.12	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1022	EA	8" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	87.05	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1023	EA	8" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	91.98	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1024	EA	8" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	96.91	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1025	EA	8" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	103.71	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1026	EA	8" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	108.62	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1027	EA	8" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	113.56	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1028	EA	8" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	118.49	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1029	EA	8" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	125.28	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1030	EA	8" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	130.23	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1031	EA	8" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	135.16	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1032	EA	8" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	141.96	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1033	EA	8" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	146.89	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1034	EA	8" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	151.82	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1035	EA	10" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	95.68	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1036	EA	10" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	101.85	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1037	EA	10" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	108.01	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1038	EA	10" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	114.17	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1039	EA	10" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	122.21	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1040	EA	10" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	128.37	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1041	EA	10" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	134.53	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1042	EA	10" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	140.70	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1043	EA	10" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	148.72	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1044	EA	10" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	154.88	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1045	EA	10" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	161.04	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1046	EA	10" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	169.06	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1047	EA	10" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	175.23	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1048	EA	10" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	181.39	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1049	EA	12" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	109.24	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1050	EA	12" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	116.63	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1051	EA	12" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	124.05	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1052	EA	12" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	131.44	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1053	EA	12" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	140.70	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1054	EA	12" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	148.10	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1055	EA	12" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	155.49	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1056	EA	12" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	162.89	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1057	EA	12" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	172.14	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1058	EA	12" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	179.53	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1059	EA	12" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	186.94	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1060	EA	12" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	196.19	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1061	EA	12" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	203.61	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1062	EA	12" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	211.00	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1063	EA	14" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	124.65	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1064	EA	14" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	133.30	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1065	EA	14" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	141.94	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1066	EA	14" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	150.56	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1067	EA	14" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	161.04	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1068	EA	14" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	169.68	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1069	EA	14" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	178.30	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1070	EA	14" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	186.94	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1071	EA	14" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	197.45	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1072	EA	14" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	206.07	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1073	EA	14" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	214.69	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1074	EA	14" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	209.61	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1075	EA	14" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	233.80	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1076	EA	14" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	242.43	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1077	EA	16" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	174.39	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1078	EA	16" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	187.55	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1079	EA	16" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	200.70	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1080	EA	16" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	213.85	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1081	EA	16" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	228.86	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1082	EA	16" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	242.01	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1083	EA	16" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	255.17	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1084	EA	16" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	268.32	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1085	EA	16" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	283.33	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1086	EA	16" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	296.48	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1087	EA	16" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	309.63	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1088	EA	16" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	324.63	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1089	EA	16" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	337.77	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1090	EA	16" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	350.92	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1091	EA	18" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	192.00	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1092	EA	18" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	206.77	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1093	EA	18" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	221.50	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1094	EA	18" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	236.27	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1095	EA	18" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	252.87	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1096	EA	18" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	267.62	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1097	EA	18" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	282.37	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1098	EA	18" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	297.12	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1099	EA	18" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	313.72	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1100	EA	18" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	328.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1101	EA	18" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	343.25	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1102	EA	18" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	359.84	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1103	EA	18" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	374.61	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1104	EA	18" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	389.34	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1105	EA	20" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	211.88	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1106	EA	20" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	228.30	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1107	EA	20" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	244.67	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1108	EA	20" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	261.08	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1109	EA	20" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	279.31	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1110	EA	20" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	295.70	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1111	EA	20" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	312.10	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1112	EA	20" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	328.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1113	EA	20" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	346.75	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1114	EA	20" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	363.12	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1115	EA	20" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	379.51	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1116	EA	20" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	397.77	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1117	EA	20" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	414.16	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1118	EA	20" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	430.56	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1119	EA	22" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	229.91	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1120	EA	22" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	247.97	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1121	EA	22" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	265.99	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1122	EA	22" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	284.01	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1123	EA	22" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	303.92	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1124	EA	22" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	321.94	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1125	EA	22" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	339.97	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1126	EA	22" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	357.99	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1127	EA	22" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	377.89	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1128	EA	22" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	395.91	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1129	EA	22" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	413.95	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1130	EA	22" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	433.83	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1131	EA	22" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	451.85	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1132	EA	22" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	469.90	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1133	EA	24" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	247.97	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1134	EA	24" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	267.62	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1135	EA	24" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	287.29	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1136	EA	24" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	306.96	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1137	EA	24" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	328.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1138	EA	24" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	348.16	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1139	EA	24" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	367.86	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1140	EA	24" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	387.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1141	EA	24" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	409.01	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1142	EA	24" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	428.70	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1143	EA	24" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	448.37	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1144	EA	24" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	469.90	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1145	EA	24" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	489.56	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1146	EA	24" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Kick Plate	509.23	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1147		Satin/Dark Bronze Finish, Brass Kick Plate *(08 71 11 00-0892)*		
08 71 11 00-1148	EA	8" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	83.08	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1149	EA	8" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	88.08	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1150	EA	8" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	93.12	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1151	EA	8" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	98.11	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1152	EA	8" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	105.01	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1153	EA	8" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	110.02	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1154	EA	8" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	115.05	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1155	EA	8" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	120.06	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1156	EA	8" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	126.92	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1157	EA	8" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	131.96	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1158	EA	8" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	136.97	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1159	EA	8" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	143.86	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1160	EA	8" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	148.87	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1161	EA	8" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	153.89	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1162	EA	10" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	96.87	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1163	EA	10" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	103.15	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1164	EA	10" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	109.41	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1165	EA	10" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	115.68	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1166	EA	10" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	123.81	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1167	EA	10" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	130.10	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1168	EA	10" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	136.35	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1169	EA	10" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	142.63	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1170	EA	10" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	150.77	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1171	EA	10" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	157.04	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1172	EA	10" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	163.30	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1173	EA	10" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	171.46	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1174	EA	10" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	177.72	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1175	EA	10" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	183.99	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1176	EA	12" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	110.67	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1177	EA	12" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	118.20	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1178	EA	12" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	125.72	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1179	EA	12" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	133.25	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1180	EA	12" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	142.63	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1181	EA	12" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	150.17	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1182	EA	12" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	157.70	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1183	EA	12" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	165.22	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1184	EA	12" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	174.61	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1185	EA	12" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	182.13	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1186	EA	12" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	189.64	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1187	EA	12" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	199.03	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1188	EA	12" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	206.58	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1189	EA	12" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	214.10	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1190	EA	14" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	126.32	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1191	EA	14" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	135.11	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1192	EA	14" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	143.89	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1193	EA	14" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	152.66	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1194	EA	14" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	163.30	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1195	EA	14" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	172.09	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1196	EA	14" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	180.87	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1197	EA	14" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	189.64	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1198	EA	14" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.29	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1199	EA	14" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	209.07	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1200	EA	14" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	217.85	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1201	EA	14" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	228.49	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1202	EA	14" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	237.30	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1203	EA	14" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	246.07	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1204	EA	16" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	174.39	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1205	EA	16" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	187.55	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1206	EA	16" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	200.70	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1207	EA	16" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	213.85	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1208	EA	16" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	228.86	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1209	EA	16" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	242.01	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1210	EA	16" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	255.17	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1211	EA	16" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	268.32	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1212	EA	16" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	283.33	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1213	EA	16" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	296.48	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1214	EA	16" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	309.63	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1215	EA	16" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	324.63	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1216	EA	16" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	337.77	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1217	EA	16" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	350.92	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1218	EA	18" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	192.00	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1219	EA	18" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	206.77	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1220	EA	18" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	221.50	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1221	EA	18" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	236.27	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1222	EA	18" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	252.87	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1223	EA	18" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	267.62	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1224	EA	18" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	282.37	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1225	EA	18" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	297.12	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1226	EA	18" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	313.72	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1227	EA	18" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	328.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1228	EA	18" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	343.25	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1229	EA	18" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	359.84	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1230	EA	18" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	374.61	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1231	EA	18" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	389.34	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1232	EA	20" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	211.88	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1233	EA	20" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	228.30	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1234	EA	20" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	244.67	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1235	EA	20" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	261.08	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1236	EA	20" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	279.31	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1237	EA	20" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	295.70	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1238	EA	20" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	312.10	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1239	EA	20" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	328.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1240	EA	20" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	346.75	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1241	EA	20" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	363.12	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1242	EA	20" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	379.51	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1243	EA	20" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	397.77	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1244	EA	20" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	414.16	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1245	EA	20" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	430.56	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1246	EA	22" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	229.91	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1247	EA	22" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	247.97	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1248	EA	22" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	265.99	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1249	EA	22" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	284.01	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1250	EA	22" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	303.92	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1251	EA	22" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	321.94	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1252	EA	22" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	339.97	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1253	EA	22" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	357.99	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1254	EA	22" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	377.89	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1255	EA	22" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	395.91	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1256	EA	22" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	413.95	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1257	EA	22" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	433.83	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1258	EA	22" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	451.85	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1259	EA	22" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	469.90	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1260	EA	24" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	247.97	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1261	EA	24" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	267.62	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1262	EA	24" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	287.29	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1263	EA	24" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	306.96	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1264	EA	24" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	328.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1265	EA	24" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	348.16	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1266	EA	24" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	367.86	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1267	EA	24" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	387.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1268	EA	24" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	409.01	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1269	EA	24" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	428.70	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1270	EA	24" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	448.37	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1271	EA	24" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	469.90	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1272	EA	24" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	489.56	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1273	EA	24" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Kick Plate	509.23	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1274 Satin Nickel Finish, Brass Kick Plate *(08 71 11 00-0892)*

08 71 11 00-1275	EA	8" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	83.08	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1276	EA	8" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	88.08	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1277	EA	8" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	93.12	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1278	EA	8" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	98.11	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1279	EA	8" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	105.01	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1280	EA	8" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	110.02	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1281	EA	8" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	115.05	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1282	EA	8" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	120.06	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1283	EA	8" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	126.92	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1284	EA	8" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	131.96	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1285	EA	8" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	136.97	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1286	EA	8" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	143.86	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1287	EA	8" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	148.87	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1288	EA	8" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	153.89	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1289	EA	10" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	96.87	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1290	EA	10" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	103.15	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1291	EA	10" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	109.41	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1292	EA	10" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	115.68	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1293	EA	10" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	123.81	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1294	EA	10" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	130.10	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1295	EA	10" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	136.35	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1296	EA	10" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	142.63	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1297	EA	10" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	150.77	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1298	EA	10" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	157.04	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1299	EA	10" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	163.30	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1300	EA	10" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	171.46	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1301	EA	10" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	177.72	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1302	EA	10" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	183.99	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1303	EA	12" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	110.67	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1304	EA	12" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	118.20	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1305	EA	12" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	125.72	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1306	EA	12" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	133.25	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1307	EA	12" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	142.63	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1308	EA	12" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	150.17	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1309	EA	12" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	157.70	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1310	EA	12" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	165.22	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1311	EA	12" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	174.61	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1312	EA	12" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	182.13	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1313	EA	12" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	189.64	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1314	EA	12" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	199.03	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1315	EA	12" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	206.58	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1316	EA	12" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	214.10	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1317	EA	14" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	126.32	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1318	EA	14" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	135.11	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1319	EA	14" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	143.89	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1320	EA	14" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	152.66	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1321	EA	14" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	163.30	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1322	EA	14" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	172.09	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1323	EA	14" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	180.87	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1324	EA	14" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	189.64	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1325	EA	14" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	200.29	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1326	EA	14" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	209.07	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1327	EA	14" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	217.85	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1328	EA	14" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	228.49	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1329	EA	14" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	237.30	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1330	EA	14" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	246.07	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1331	EA	16" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	174.39	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1332	EA	16" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	187.55	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1333	EA	16" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	200.70	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1334	EA	16" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	213.85	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1335	EA	16" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	228.86	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1336	EA	16" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	242.01	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1337	EA	16" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	255.17	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1338	EA	16" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	268.32	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1339	EA	16" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	283.33	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1340	EA	16" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	296.48	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1341	EA	16" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	309.63	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1342	EA	16" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	324.63	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1343	EA	16" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	337.77	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1344	EA	16" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	350.92	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1345	EA	18" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	192.00	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1346	EA	18" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	206.77	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1347	EA	18" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	221.50	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1348	EA	18" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	236.27	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1349	EA	18" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	252.87	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1350	EA	18" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	267.62	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1351	EA	18" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	282.37	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1352	EA	18" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	297.12	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1353	EA	18" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	313.72	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1354	EA	18" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	328.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1355	EA	18" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	343.25	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1356	EA	18" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	359.84	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1357	EA	18" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	374.61	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1358	EA	18" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	389.34	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1359	EA	20" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	211.88	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1360	EA	20" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	228.30	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1361	EA	20" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	244.67	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1362	EA	20" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	261.08	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1363	EA	20" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	279.31	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1364	EA	20" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	295.70	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1365	EA	20" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	312.10	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1366	EA	20" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	328.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1367	EA	20" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	346.75	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1368	EA	20" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	363.12	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1369	EA	20" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	379.51	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1370	EA	20" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	397.77	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1371	EA	20" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	414.16	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1372	EA	20" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	430.56	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1373	EA	22" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	229.91	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1374	EA	22" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	247.97	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1375	EA	22" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	265.99	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1376	EA	22" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	284.01	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1377	EA	22" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	303.92	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1378	EA	22" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	321.94	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1379	EA	22" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	339.97	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1380	EA	22" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	357.99	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1381	EA	22" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	377.89	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1382	EA	22" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	395.91	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1383	EA	22" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	413.95	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1384	EA	22" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	433.83	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1385	EA	22" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	451.85	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1386	EA	22" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	469.90	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1387	EA	24" x 22", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	247.97	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1388	EA	24" x 24", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	267.62	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1389	EA	24" x 26", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	287.29	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1390	EA	24" x 28", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	306.96	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1391	EA	24" x 30", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	328.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1392	EA	24" x 32", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	348.16	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1393	EA	24" x 34", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	367.86	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1394	EA	24" x 36", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	387.49	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1395	EA	24" x 38", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	409.01	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1396	EA	24" x 40", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	428.70	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1397	EA	24" x 42", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	448.37	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1398	EA	24" x 44", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	469.90	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1399	EA	24" x 46", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	489.56	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1400	EA	24" x 48", 0.050" Thick, Satin Nickel Finish, Brass Kick Plate	509.23	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1401 Stainless Base Material Kick Plate *(08 71 11 00-0763)*

08 71 11 00-1402 Satin Stainless Finish, Stainless Kick Plate *(08 71 11 00-1401)*

08 71 11 00-1403	EA	8" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	45.10	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1404	EA	8" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	46.68	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1405	EA	8" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	48.22	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1406	EA	8" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.83	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1407	EA	8" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.24	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1408	EA	8" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	54.78	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1409	EA	8" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.39	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1410	EA	8" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	57.94	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1411	EA	8" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.37	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1412	EA	8" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.95	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1413	EA	8" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.50	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1414	EA	8" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.93	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1415	EA	8" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.50	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1416	EA	8" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	71.06	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1417	EA	10" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	49.41	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1418	EA	10" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	51.38	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1419	EA	10" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.34	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1420	EA	10" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	55.29	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1421	EA	10" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.12	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1422	EA	10" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	61.09	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1423	EA	10" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	63.03	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1424	EA	10" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.98	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1425	EA	10" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.83	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1426	EA	10" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.77	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1427	EA	10" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.72	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1428	EA	10" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.55	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1429	EA	10" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.51	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1430	EA	10" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.46	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1431	EA	12" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	53.73	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1432	EA	12" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	56.08	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1433	EA	12" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	58.43	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1434	EA	12" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	60.78	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1435	EA	12" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	64.98	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1436	EA	12" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	67.34	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1437	EA	12" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.68	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1438	EA	12" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.04	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1439	EA	12" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.23	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1440	EA	12" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.60	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1441	EA	12" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.97	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1442	EA	12" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.16	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1443	EA	12" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	87.52	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1444	EA	12" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	89.86	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1445	EA	14" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	59.90	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1446	EA	14" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	62.64	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1447	EA	14" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	65.40	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1448	EA	14" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	68.13	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1449	EA	14" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	72.72	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1450	EA	14" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	75.47	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1451	EA	14" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	78.21	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1452	EA	14" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.97	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1453	EA	14" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.58	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1454	EA	14" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.29	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1455	EA	14" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.04	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1456	EA	14" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.65	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1457	EA	14" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	98.38	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1458	EA	14" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.14	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1459	EA	16" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	66.47	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1460	EA	16" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	69.97	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1461	EA	16" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	73.33	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1462	EA	16" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.68	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1463	EA	16" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.88	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1464	EA	16" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.24	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1465	EA	16" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.61	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1466	EA	16" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	91.95	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1467	EA	16" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.16	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1468	EA	16" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.53	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1469	EA	16" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.89	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1470	EA	16" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	109.37	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1471	EA	16" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.44	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1472	EA	16" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	115.80	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1473	EA	18" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	70.30	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1474	EA	18" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	74.00	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1475	EA	18" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	77.67	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1476	EA	18" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.36	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1477	EA	18" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	86.92	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1478	EA	18" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.60	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1479	EA	18" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.29	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1480	EA	18" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	97.96	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1481	EA	18" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.52	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1482	EA	18" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.21	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1483	EA	18" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.88	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1484	EA	18" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	116.44	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1485	EA	18" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.14	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1486	EA	18" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	123.81	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1487	EA	20" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	76.67	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1488	EA	20" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	80.76	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1489	EA	20" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	84.87	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1490	EA	20" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	88.95	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1491	EA	20" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.92	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1492	EA	20" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	99.02	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1493	EA	20" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	103.10	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1494	EA	20" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.21	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1495	EA	20" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	113.15	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1496	EA	20" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.26	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1497	EA	20" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.37	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1498	EA	20" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	127.30	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1499	EA	20" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	131.41	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1500	EA	20" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	135.51	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1501	EA	22" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	81.17	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1502	EA	22" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.70	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1503	EA	22" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.18	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1504	EA	22" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	94.71	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1505	EA	22" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	101.05	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1506	EA	22" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	105.58	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1507	EA	22" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	110.07	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1508	EA	22" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	114.59	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1509	EA	22" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	120.93	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1510	EA	22" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	125.44	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1511	EA	22" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	129.97	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1512	EA	22" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	136.31	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1513	EA	22" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	140.84	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1514	EA	22" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	145.32	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1515	EA	24" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	85.70	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1516	EA	24" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	90.60	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1517	EA	24" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	95.53	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1518	EA	24" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	100.43	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1519	EA	24" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	107.21	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1520	EA	24" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	112.13	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1521	EA	24" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	117.04	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1522	EA	24" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	121.96	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1523	EA	24" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	128.73	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1524	EA	24" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	133.65	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1525	EA	24" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	138.56	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1526	EA	24" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	145.32	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1527	EA	24" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	150.26	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1528	EA	24" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Kick Plate	155.19	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1529 Bright Stainless Finish, Stainless Kick Plate *(08 71 11 00-1401)*

08 71 11 00-1530	EA	8" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	67.57	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1531	EA	8" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	71.19	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1532	EA	8" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	74.79	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1533	EA	8" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	78.40	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1534	EA	8" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	83.85	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1535	EA	8" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	87.48	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1536	EA	8" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	91.07	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1537	EA	8" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	94.70	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1538	EA	8" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	100.14	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1539	EA	8" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	103.76	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1540	EA	8" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	107.39	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1541	EA	8" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	112.84	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1542	EA	8" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	116.45	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1543	EA	8" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	120.05	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1544	EA	10" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	77.49	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1545	EA	10" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	81.99	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1546	EA	10" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	86.52	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1547	EA	10" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	91.03	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1548	EA	10" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	97.39	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1549	EA	10" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	101.90	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1550	EA	10" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	106.43	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1551	EA	10" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	110.94	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1552	EA	10" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	117.30	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1553	EA	10" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	121.81	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1554	EA	10" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	126.34	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1555	EA	10" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.68	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1556	EA	10" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	137.21	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1557	EA	10" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	141.72	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1558	EA	12" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	87.41	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1559	EA	12" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	92.84	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1560	EA	12" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	98.25	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1561	EA	12" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	103.67	6.97
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1562	EA	12" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	110.94	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1563	EA	12" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	116.33	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1564	EA	12" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	121.76	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1565	EA	12" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	127.17	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1566	EA	12" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	134.45	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1567	EA	12" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.86	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1568	EA	12" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	145.26	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1569	EA	12" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	152.55	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1570	EA	12" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	157.95	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1571	EA	12" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.37	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1572	EA	14" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	99.21	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1573	EA	14" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	105.53	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1574	EA	14" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	111.85	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1575	EA	14" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	118.16	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1576	EA	14" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	126.34	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1577	EA	14" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.64	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1578	EA	14" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	138.96	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1579	EA	14" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	145.26	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1580	EA	14" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	153.46	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1581	EA	14" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	159.77	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1582	EA	14" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	166.09	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1583	EA	14" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	174.26	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1584	EA	14" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	180.55	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1585	EA	14" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	186.86	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1586	EA	16" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	109.12	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1587	EA	16" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	116.33	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1588	EA	16" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	123.58	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1589	EA	16" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	130.78	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1590	EA	16" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	139.86	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1591	EA	16" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	147.08	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1592	EA	16" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	154.29	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1593	EA	16" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	161.51	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1594	EA	16" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	170.59	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1595	EA	16" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	177.79	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1596	EA	16" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	185.01	8.36
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1597	EA	16" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.08	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1598	EA	16" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	201.32	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1599	EA	16" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.54	8.82
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1600	EA	18" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	120.11	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1601	EA	18" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	128.36	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1602	EA	18" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	136.54	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1603	EA	18" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	144.79	7.43
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1604	EA	18" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	154.86	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1605	EA	18" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.05	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1606	EA	18" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	171.30	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1607	EA	18" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	184.18	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1608	EA	18" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	189.59	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1609	EA	18" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.81	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1610	EA	18" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	206.02	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1611	EA	18" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	216.09	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1612	EA	18" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	224.30	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1613	EA	18" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	232.52	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1614	EA	20" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	132.04	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1615	EA	20" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	141.15	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1616	EA	20" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	150.29	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1617	EA	20" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	159.41	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1618	EA	20" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	170.40	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1619	EA	20" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	179.55	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1620	EA	20" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	188.66	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1621	EA	20" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.81	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1622	EA	20" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.76	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1623	EA	20" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	217.91	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1624	EA	20" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	227.04	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1625	EA	20" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	238.02	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1626	EA	20" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	247.16	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1627	EA	20" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	256.27	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1628	EA	22" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	142.07	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1629	EA	22" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	152.11	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1630	EA	22" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	162.15	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1631	EA	22" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	172.18	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1632	EA	22" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	184.10	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1633	EA	22" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	194.15	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1634	EA	22" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	204.20	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1635	EA	22" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	214.24	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1636	EA	22" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	226.12	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1637	EA	22" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	236.16	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1638	EA	22" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	246.20	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1639	EA	22" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	258.10	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1640	EA	22" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	268.16	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1641	EA	22" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	278.20	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1642	EA	24" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	152.11	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1643	EA	24" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	163.05	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1644	EA	24" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	174.02	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1645	EA	24" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	184.97	7.90
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1646	EA	24" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	197.81	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1647	EA	24" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	208.74	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1648	EA	24" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	219.70	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1649	EA	24" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	230.67	8.36
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1650	EA	24" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	243.48	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1651	EA	24" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	254.41	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1652	EA	24" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	265.38	8.82
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1653	EA	24" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	278.20	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1654	EA	24" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	289.17	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1655	EA	24" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Kick Plate	300.11	9.29
		For Four Beveled Edges, Add	*6.30*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1656 Plastic Kick Plate *(08 71 11 00-0763)*

08 71 11 00-1657 Clear Or Black Finish, Plastic Kick Plate *(08 71 11 00-1656)*

Note: With four beveled edges.

08 71 11 00-1658	EA	8" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	40.55	6.97
08 71 11 00-1659	EA	8" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	41.69	6.97
08 71 11 00-1660	EA	8" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	42.86	6.97
08 71 11 00-1661	EA	8" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	44.01	6.97
08 71 11 00-1662	EA	8" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	47.03	7.43
08 71 11 00-1663	EA	8" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.18	7.43
08 71 11 00-1664	EA	8" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	49.32	7.43
08 71 11 00-1665	EA	8" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.49	7.43
08 71 11 00-1666	EA	8" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.90	7.90
08 71 11 00-1667	EA	8" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.63	7.90
08 71 11 00-1668	EA	8" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.81	7.90
08 71 11 00-1669	EA	8" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.82	8.36
08 71 11 00-1670	EA	8" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.98	8.36
08 71 11 00-1671	EA	8" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.13	8.36
08 71 11 00-1672	EA	10" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	43.72	6.97
08 71 11 00-1673	EA	10" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	45.17	6.97
08 71 11 00-1674	EA	10" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	46.60	6.97
08 71 11 00-1675	EA	10" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.03	6.97
08 71 11 00-1676	EA	10" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.35	7.43
08 71 11 00-1677	EA	10" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.77	7.43
08 71 11 00-1678	EA	10" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	54.23	7.43
08 71 11 00-1679	EA	10" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.66	7.43
08 71 11 00-1680	EA	10" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.97	7.90
08 71 11 00-1681	EA	10" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.40	7.90
08 71 11 00-1682	EA	10" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.86	7.90
08 71 11 00-1683	EA	10" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.15	8.36
08 71 11 00-1684	EA	10" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.60	8.36
08 71 11 00-1685	EA	10" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.03	8.36
08 71 11 00-1686	EA	12" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	46.90	6.97
08 71 11 00-1687	EA	12" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	48.63	6.97
08 71 11 00-1688	EA	12" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	50.34	6.97
08 71 11 00-1689	EA	12" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	52.09	6.97
08 71 11 00-1690	EA	12" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.66	7.43
08 71 11 00-1691	EA	12" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.41	7.43
08 71 11 00-1692	EA	12" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	59.14	7.43
08 71 11 00-1693	EA	12" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	60.87	7.43
08 71 11 00-1694	EA	12" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.43	7.90
08 71 11 00-1695	EA	12" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.17	7.90
08 71 11 00-1696	EA	12" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.92	7.90
08 71 11 00-1697	EA	12" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.49	8.36
08 71 11 00-1698	EA	12" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.24	8.36
08 71 11 00-1699	EA	12" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.95	8.36
08 71 11 00-1700	EA	14" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	51.92	7.43
08 71 11 00-1701	EA	14" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	53.95	7.43
08 71 11 00-1702	EA	14" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	55.95	7.43
08 71 11 00-1703	EA	14" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	57.98	7.43
08 71 11 00-1704	EA	14" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.86	7.90
08 71 11 00-1705	EA	14" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	63.86	7.90
08 71 11 00-1706	EA	14" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.89	7.90
08 71 11 00-1707	EA	14" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	67.92	7.90
08 71 11 00-1708	EA	14" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.78	8.36
08 71 11 00-1709	EA	14" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.81	8.36
08 71 11 00-1710	EA	14" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.83	8.36
08 71 11 00-1711	EA	14" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.68	8.82
08 71 11 00-1712	EA	14" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	81.71	8.82
08 71 11 00-1713	EA	14" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.71	8.82
08 71 11 00-1714	EA	16" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	58.89	7.43
08 71 11 00-1715	EA	16" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	61.55	7.43
08 71 11 00-1716	EA	16" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	64.17	7.43
08 71 11 00-1717	EA	16" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	66.83	7.43
08 71 11 00-1718	EA	16" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.35	7.90
08 71 11 00-1719	EA	16" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	73.99	7.90
08 71 11 00-1720	EA	16" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	76.65	7.90
08 71 11 00-1721	EA	16" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.29	7.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1722	EA	16" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.81	8.36
08 71 11 00-1723	EA	16" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.45	8.36
08 71 11 00-1724	EA	16" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.11	8.36
08 71 11 00-1725	EA	16" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.62	8.82
08 71 11 00-1726	EA	16" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.24	8.82
08 71 11 00-1727	EA	16" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.90	8.82
08 71 11 00-1728	EA	18" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	62.52	7.43
08 71 11 00-1729	EA	18" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	65.51	7.43
08 71 11 00-1730	EA	18" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.48	7.43
08 71 11 00-1731	EA	18" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.48	7.43
08 71 11 00-1732	EA	18" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	142.50	7.90
08 71 11 00-1733	EA	18" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.29	7.90
08 71 11 00-1734	EA	18" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.28	7.90
08 71 11 00-1735	EA	18" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	85.25	7.90
08 71 11 00-1736	EA	18" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	90.11	8.36
08 71 11 00-1737	EA	18" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.09	8.36
08 71 11 00-1738	EA	18" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	96.06	8.36
08 71 11 00-1739	EA	18" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	100.90	8.82
08 71 11 00-1740	EA	18" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	103.87	8.82
08 71 11 00-1741	EA	18" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	106.87	8.82
08 71 11 00-1742	EA	20" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	68.03	7.90
08 71 11 00-1743	EA	20" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.35	7.90
08 71 11 00-1744	EA	20" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	74.65	7.90
08 71 11 00-1745	EA	20" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	77.97	7.90
08 71 11 00-1746	EA	20" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.15	8.36
08 71 11 00-1747	EA	20" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	86.45	8.36
08 71 11 00-1748	EA	20" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	89.77	8.36
08 71 11 00-1749	EA	20" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.09	8.36
08 71 11 00-1750	EA	20" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	98.24	8.82
08 71 11 00-1751	EA	20" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.56	8.82
08 71 11 00-1752	EA	20" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.86	8.82
08 71 11 00-1753	EA	20" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.04	9.29
08 71 11 00-1754	EA	20" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	113.36	9.29
08 71 11 00-1755	EA	20" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	116.66	9.29
08 71 11 00-1756	EA	22" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	71.69	7.90
08 71 11 00-1757	EA	22" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.31	7.90
08 71 11 00-1758	EA	22" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	78.96	7.90
08 71 11 00-1759	EA	22" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	82.59	7.90
08 71 11 00-1760	EA	22" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	88.12	8.36
08 71 11 00-1761	EA	22" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	91.77	8.36
08 71 11 00-1762	EA	22" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	95.40	8.36
08 71 11 00-1763	EA	22" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	99.05	8.36
08 71 11 00-1764	EA	22" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	104.53	8.82
08 71 11 00-1765	EA	22" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	108.18	8.82
08 71 11 00-1766	EA	22" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	111.84	8.82
08 71 11 00-1767	EA	22" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	117.32	9.29
08 71 11 00-1768	EA	22" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	120.98	9.29
08 71 11 00-1769	EA	22" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.60	9.29
08 71 11 00-1770	EA	24" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	75.31	7.90
08 71 11 00-1771	EA	24" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	79.29	7.90
08 71 11 00-1772	EA	24" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	83.28	7.90
08 71 11 00-1773	EA	24" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	87.25	7.90
08 71 11 00-1774	EA	24" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	93.09	8.36
08 71 11 00-1775	EA	24" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	97.05	8.36
08 71 11 00-1776	EA	24" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	101.03	8.36
08 71 11 00-1777	EA	24" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	105.02	8.36
08 71 11 00-1778	EA	24" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	110.84	8.82
08 71 11 00-1779	EA	24" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	114.80	8.82
08 71 11 00-1780	EA	24" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	118.78	8.82
08 71 11 00-1781	EA	24" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	124.60	9.29
08 71 11 00-1782	EA	24" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	128.61	9.29
08 71 11 00-1783	EA	24" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Kick Plate	132.58	9.29

08 71 11 00-1784 Mop Plate *(08 71 11 00-0762)*

Note: Ives 8400.

08 71 11 00-1785 Aluminum Base Material Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1786 Satin Aluminum Finish, Aluminum Mop Plate *(08 71 11 00-1785)*

08 71 11 00-1787	EA	4" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	35.96	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1788	EA	4" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	36.79	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1789	EA	4" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	37.58	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1790	EA	4" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	38.41	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1791	EA	4" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.35	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1792	EA	4" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	41.14	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1793	EA	4" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	41.97	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1794	EA	4" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.76	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1795	EA	4" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	45.17	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1796	EA	4" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	45.98	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1797	EA	4" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	46.78	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1798	EA	4" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	49.45	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1799	EA	4" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	50.28	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1800	EA	4" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	51.07	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1801	EA	6" x 22", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	40.43	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1802	EA	6" x 24", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	41.64	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1803	EA	6" x 26", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	42.87	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1804	EA	6" x 28", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	44.08	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1805	EA	6" x 30", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	46.43	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1806	EA	6" x 32", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	47.63	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1807	EA	6" x 34", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	48.88	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1808	EA	6" x 36", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	50.08	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1809	EA	6" x 38", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	52.88	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1810	EA	6" x 40", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	54.10	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1811	EA	6" x 42", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	55.33	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1812	EA	6" x 44", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	58.40	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1813	EA	6" x 46", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	59.63	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1814	EA	6" x 48", 0.050" Thick, Satin Aluminum Finish, Aluminum Mop Plate	60.83	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1815 Brass Base Material Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1816 Bright/Satin Brass Finish, Brass Mop Plate *(08 71 11 00-1815)*

08 71 11 00-1817	EA	4" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	53.11	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1818	EA	4" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	55.51	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1819	EA	4" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	57.87	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1820	EA	4" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	60.25	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1821	EA	4" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	63.74	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1822	EA	4" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	66.10	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1823	EA	4" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	68.48	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1824	EA	4" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	70.85	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1825	EA	4" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	74.81	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1826	EA	4" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	77.18	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1827	EA	4" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	79.54	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1828	EA	4" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	83.78	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1829	EA	4" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	86.15	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1830	EA	4" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	88.54	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1831	EA	6" x 22", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	66.18	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1832	EA	6" x 24", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	69.73	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1833	EA	6" x 26", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	73.29	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1834	EA	6" x 28", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	76.84	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1835	EA	6" x 30", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	81.52	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1836	EA	6" x 32", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	85.10	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1837	EA	6" x 34", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	88.64	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1838	EA	6" x 36", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	92.21	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1839	EA	6" x 38", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	97.33	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1840	EA	6" x 40", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	100.91	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1841	EA	6" x 42", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	104.47	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1842	EA	6" x 44", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	109.88	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1843	EA	6" x 46", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	113.44	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1844	EA	6" x 48", 0.050" Thick, Bright/Satin Brass Finish, Brass Mop Plate	116.99	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1845 Bright/Satin Chrome Finish, Brass Mop Plate *(08 71 11 00-1815)*

08 71 11 00-1846	EA	4" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	55.58	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1847	EA	4" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	58.17	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1848	EA	4" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	60.77	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1849	EA	4" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	63.36	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1850	EA	4" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	67.07	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1851	EA	4" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	69.67	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1852	EA	4" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	72.27	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1853	EA	4" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	74.85	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1854	EA	4" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	79.03	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1855	EA	4" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	81.64	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1856	EA	4" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	84.24	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1857	EA	4" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	88.70	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1858	EA	4" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	91.28	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1859	EA	4" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	93.88	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1860	EA	6" x 22", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	69.85	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1861	EA	6" x 24", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	73.73	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1862	EA	6" x 26", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	77.63	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1863	EA	6" x 28", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	81.54	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1864	EA	6" x 30", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	86.53	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1865	EA	6" x 32", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	90.44	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1866	EA	6" x 34", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	94.32	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1867	EA	6" x 36", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	98.22	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1868	EA	6" x 38", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	103.71	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1869	EA	6" x 40", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	107.58	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1870	EA	6" x 42", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	111.49	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1871	EA	6" x 44", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	117.22	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1872	EA	6" x 46", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	121.13	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1873	EA	6" x 48", 0.050" Thick, Bright/Satin Chrome Finish, Brass Mop Plate	125.02	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1874 Satin/Dark Bronze Finish, Brass Mop Plate *(08 71 11 00-1815)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1875	EA	4" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	56.05	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1876	EA	4" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	58.68	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1877	EA	4" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	61.33	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1878	EA	4" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	63.96	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1879	EA	4" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	67.72	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1880	EA	4" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	70.37	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1881	EA	4" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	73.01	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1882	EA	4" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	75.66	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1883	EA	4" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	79.85	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1884	EA	4" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	82.50	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1885	EA	4" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	85.14	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1886	EA	4" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	89.65	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1887	EA	4" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	92.29	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1888	EA	4" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	94.91	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1889	EA	6" x 22", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	70.55	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1890	EA	6" x 24", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	74.54	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1891	EA	6" x 26", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	78.49	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1892	EA	6" x 28", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	90.15	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1893	EA	6" x 30", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	87.52	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1894	EA	6" x 32", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	91.47	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1895	EA	6" x 34", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	95.42	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1896	EA	6" x 36", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	99.37	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1897	EA	6" x 38", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	104.94	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1898	EA	6" x 40", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	108.89	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1899	EA	6" x 42", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	112.84	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1900	EA	6" x 44", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	118.65	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1901	EA	6" x 46", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	122.61	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1902	EA	6" x 48", 0.050" Thick, Satin/Dark Bronze Finish, Brass Mop Plate	126.56	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1903		Satin Nickel Finish, Brass Mop Plate *(08 71 11 00-1815)*		
08 71 11 00-1904	EA	4" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	56.61	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1905	EA	4" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	59.27	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1906	EA	4" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	61.98	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1907	EA	4" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	64.67	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1908	EA	4" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	68.48	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1909	EA	4" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	71.16	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1910	EA	4" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	73.85	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1911	EA	4" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	76.54	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1912	EA	4" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	80.83	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1913	EA	4" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	83.51	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1914	EA	4" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	86.19	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1915	EA	4" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	90.75	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1916	EA	4" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	93.45	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1917	EA	4" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	96.11	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1918	EA	6" x 22", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	71.39	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1919	EA	6" x 24", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	75.42	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1920	EA	6" x 26", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	79.45	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1921	EA	6" x 28", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	83.49	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1922	EA	6" x 30", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	88.64	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1923	EA	6" x 32", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	92.67	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1924	EA	6" x 34", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	96.70	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1925	EA	6" x 36", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	100.74	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1926	EA	6" x 38", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	106.35	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1927	EA	6" x 40", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	110.40	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1928	EA	6" x 42", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	114.43	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1929	EA	6" x 44", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	120.32	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1930	EA	6" x 46", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	124.35	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1931	EA	6" x 48", 0.050" Thick, Satin/Nickel Finish, Brass Mop Plate	128.39	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1932		Stainless Base Material Mop Plate *(08 71 11 00-1784)*		
08 71 11 00-1933		Satin Stainless Finish, Stainless Mop Plate *(08 71 11 00-1932)*		
08 71 11 00-1934	EA	4" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	36.54	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1935	EA	4" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	37.38	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1936	EA	4" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	38.25	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1937	EA	4" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	39.11	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1938	EA	4" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.10	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1939	EA	4" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.97	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1940	EA	4" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	42.81	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1941	EA	4" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	43.68	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1942	EA	4" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	46.12	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1943	EA	4" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	46.99	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1944	EA	4" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	47.86	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1945	EA	4" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	50.56	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1946	EA	4" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	51.43	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1947	EA	4" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	52.29	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1948	EA	6" x 22", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	41.25	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1949	EA	6" x 24", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	42.56	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1950	EA	6" x 26", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	43.85	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1951	EA	6" x 28", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	45.16	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1952	EA	6" x 30", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	47.55	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1953	EA	6" x 32", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	48.85	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1954	EA	6" x 34", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	50.15	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1955	EA	6" x 36", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	51.44	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1956	EA	6" x 38", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	54.33	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1957	EA	6" x 40", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	55.61	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1958	EA	6" x 42", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	56.90	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1959	EA	6" x 44", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	60.07	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1960	EA	6" x 46", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	61.34	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1961	EA	6" x 48", 0.050" Thick, Satin Stainless Finish, Stainless Mop Plate	62.65	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1962 Bright Stainless Finish, Stainless Mop Plate *(08 71 11 00-1932)*

08 71 11 00-1963	EA	4" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	48.13	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1964	EA	4" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	50.06	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1965	EA	4" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	51.99	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1966	EA	4" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	53.89	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1967	EA	4" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	56.94	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1968	EA	4" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	58.85	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1969	EA	4" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	60.78	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1970	EA	4" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	62.71	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1971	EA	4" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	66.19	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1972	EA	4" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	68.12	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1973	EA	4" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	70.05	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1974	EA	4" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	73.82	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1975	EA	4" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	75.75	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1976	EA	4" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	77.65	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1977	EA	6" x 22", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	58.68	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1978	EA	6" x 24", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	61.59	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1979	EA	6" x 26", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	64.47	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1980	EA	6" x 28", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	67.35	6.79
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1981	EA	6" x 30", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	71.33	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1982	EA	6" x 32", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	74.21	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1983	EA	6" x 34", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	77.09	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1984	EA	6" x 36", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	79.97	7.06
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1985	EA	6" x 38", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	84.44	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1986	EA	6" x 40", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	87.32	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1987	EA	6" x 42", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	90.20	7.43
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-1988	EA	6" x 44", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	94.94	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1989	EA	6" x 46", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	97.80	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	
08 71 11 00-1990	EA	6" x 48", 0.050" Thick, Bright Stainless Finish, Stainless Mop Plate	100.68	7.90
		For Four Beveled Edges, Add	*1.76*	
		For UL Label (Fire Rated), Add	*11.40*	

08 71 11 00-1991 Plastic Mop Plate *(08 71 11 00-1784)*

08 71 11 00-1992 Clear Or Black Finish, Plastic Mop Plate *(08 71 11 00-1991)*

Note: With four beveled edges.

08 71 11 00-1993	EA	4" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	34.93	6.79
08 71 11 00-1994	EA	4" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	35.65	6.79
08 71 11 00-1995	EA	4" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	36.38	6.79
08 71 11 00-1996	EA	4" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	37.10	6.79
08 71 11 00-1997	EA	4" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.93	7.06
08 71 11 00-1998	EA	4" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.65	7.06
08 71 11 00-1999	EA	4" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	40.37	7.06
08 71 11 00-2000	EA	4" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.10	7.06
08 71 11 00-2001	EA	4" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	43.39	7.43
08 71 11 00-2002	EA	4" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.11	7.43
08 71 11 00-2003	EA	4" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.82	7.43
08 71 11 00-2004	EA	4" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	47.40	7.90
08 71 11 00-2005	EA	4" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	48.13	7.90
08 71 11 00-2006	EA	4" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	48.85	7.90
08 71 11 00-2007	EA	6" x 22", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	38.89	6.79
08 71 11 00-2008	EA	6" x 24", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	39.98	6.79
08 71 11 00-2009	EA	6" x 26", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	41.05	6.79
08 71 11 00-2010	EA	6" x 28", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	42.12	6.79
08 71 11 00-2011	EA	6" x 30", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	44.33	7.06
08 71 11 00-2012	EA	6" x 32", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	45.41	7.06
08 71 11 00-2013	EA	6" x 34", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	46.48	7.06
08 71 11 00-2014	EA	6" x 36", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	47.55	7.06
08 71 11 00-2015	EA	6" x 38", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	50.22	7.43
08 71 11 00-2016	EA	6" x 40", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	51.30	7.43
08 71 11 00-2017	EA	6" x 42", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	52.37	7.43
08 71 11 00-2018	EA	6" x 44", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	55.32	7.90
08 71 11 00-2019	EA	6" x 46", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	56.39	7.90
08 71 11 00-2020	EA	6" x 48", 1/8" Thick, Clear Or Black Finish, High Impact Polyethylene Plastic Mop Plate Note: 4 sides beveled.	57.47	7.90

08 71 11 00-2021 Armor Door Plate *(08 71 11 00-0762)*

Note: Size ranges of 26" to 48" high, 22" to 48" wide. Ives 8400.

08 71 11 00-2022	SF	4 to 8 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	17.59	1.16
08 71 11 00-2023	SF	>8 to 16 SF, 0.050" Thick, Satin Aluminum Finish, Aluminum Door Armor Plate	16.56	0.91
08 71 11 00-2024	SF	4 to 8 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	19.40	1.16
08 71 11 00-2025	SF	>8 to 16 SF, 0.050" Thick, Satin Stainless Finish, Stainless Door Armor Plate	18.37	0.91
08 71 11 00-2026	SF	4 to 8 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	37.52	1.16
08 71 11 00-2027	SF	>8 to 16 SF, 0.050" Thick, Bright Stainless Finish, Stainless Door Armor Plate	36.49	0.91

08 71 11 00-2028 Pull Handle And Plates *(08 71 11 00-0762)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2029		**Pull Handle** *(08 71 11 00-2028)*		
08 71 11 00-2030	EA	3/4" Diameter, 6" Center to Center, Aluminum Door Pulls (Ives 8102HD-6)	43.71	7.66
		For Stainless Steel, Add	*5.49*	
		For Brass, Add	*7.44*	
08 71 11 00-2031	EA	3/4" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8102HD-8)	45.40	7.66
		For Stainless Steel, Add	*6.20*	
		For Brass, Add	*8.41*	
08 71 11 00-2032	EA	3/4" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8102HD-10)	48.07	7.66
		For Stainless Steel, Add	*7.32*	
		For Brass, Add	*9.93*	
08 71 11 00-2033	EA	1" Diameter, 8" Center to Center, Aluminum Door Pulls (Ives 8103HD-8)	49.56	7.66
		For Stainless Steel, Add	*7.94*	
		For Brass, Add	*10.78*	
08 71 11 00-2034	EA	1" Diameter, 10" Center to Center, Aluminum Door Pulls (Ives 8103HD-10)	52.24	7.66
		For Stainless Steel, Add	*9.07*	
		For Brass, Add	*12.31*	
08 71 11 00-2035	EA	1" Diameter, 12" Center to Center, Aluminum Door Pulls (Ives 8103HD-12)	55.71	7.66
		For Stainless Steel, Add	*10.53*	
		For Brass, Add	*14.28*	
08 71 11 00-2036	EA	1" Flattened x 1/2" Round, 6" Center To Center, Aluminum Door Pulls (Ives 8105-6)	45.53	7.66
		For Stainless Steel, Add	*6.25*	
		For Brass, Add	*8.48*	
08 71 11 00-2037	EA	1" Flattened x 1/2" Round, 8" Center To Center, Aluminum Door Pulls (Ives 8105-8)	49.23	7.66
		For Stainless Steel, Add	*7.80*	
		For Brass, Add	*10.59*	
08 71 11 00-2038	EA	1" Flattened x 1/2" Round, 10" Center To Center, Aluminum Door Pulls (Ives 8105-10)	49.84	7.66
		For Stainless Steel, Add	*8.06*	
		For Brass, Add	*10.94*	
08 71 11 00-2039	EA	1" Diameter, 8" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-8)	87.18	7.66
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*10.68*	
		For Brass, Add	*9.84*	
08 71 11 00-2040	EA	1" Diameter, 10" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-0)	89.47	7.66
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*11.12*	
		For Brass, Add	*10.23*	
08 71 11 00-2041	EA	1" Diameter, 12" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-2)	94.07	7.66
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*11.99*	
		For Brass, Add	*11.04*	
08 71 11 00-2042	EA	1" Diameter, 18" Center to Center, Satin Stainless Steel Offset Door Pulls (Ives 8190HD-18)	120.70	7.66
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*17.02*	
		For Brass, Add	*15.67*	
08 71 11 00-2043		**Pull Plate** *(08 71 11 00-2028)*		
08 71 11 00-2044	EA	3-1/2" x 15" Aluminum Pull Plate Door Hardware (Ives 8302)	60.44	5.81
		For Stainless Steel, Add	*21.96*	
		For Brass, Add	*27.92*	
08 71 11 00-2045	EA	4" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	61.74	5.81
		For Stainless Steel, Add	*22.73*	
		For Brass, Add	*28.89*	
08 71 11 00-2046	EA	6" x 16" Aluminum Pull Plate Door Hardware (Ives 8302)	64.69	5.81
		For Stainless Steel, Add	*24.47*	
		For Brass, Add	*31.10*	
08 71 11 00-2047		**Push Bars And Plates** *(08 71 11 00-0762)*		
08 71 11 00-2048		**Push Bars** *(08 71 11 00-2047)*		
08 71 11 00-2049	EA	3/8" x 2-1/2" Bronze Push Bar, Rectangular, With Base Plate	181.66	5.81
		Note: Up to 34" wide. All finishes.		
08 71 11 00-2050	EA	3/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	149.26	5.81
		For Brass Push Bar, Add	*21.93*	
08 71 11 00-2051	EA	1" Diameter Stainless Steel Push Bar, Up To 34" Wide	154.55	5.81
		For Brass Push Bar, Add	*22.85*	
08 71 11 00-2052	EA	1-1/4" Diameter Stainless Steel Push Bar, Up To 34" Wide	285.89	5.81
		For Brass Push Bar, Add	*45.70*	
08 71 11 00-2053		**Push Plates** *(08 71 11 00-2047)*		
08 71 11 00-2054		**Aluminum Push Plates** *(08 71 11 00-2053)*		
08 71 11 00-2055		**Clear Anodized Finish, Aluminum Push Plates** *(08 71 11 00-2054)*		
		Note: Ives 8200 Series.		
08 71 11 00-2056	EA	3" x 12", Clear Anodized Finish, Aluminum Push Plate Door Hardware	32.57	5.81
08 71 11 00-2057	EA	4" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	32.57	5.81
08 71 11 00-2058	EA	6" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	32.57	5.81
08 71 11 00-2059	EA	8" x 16", Clear Anodized Finish, Aluminum Push Plate Door Hardware	34.94	5.81
08 71 11 00-2060		**Stainless Steel Push Plates** *(08 71 11 00-2053)*		
08 71 11 00-2061		**Satin Finish, Stainless Steel Push Plates** *(08 71 11 00-2060)*		
		Note: Ives 8200 Series.		
08 71 11 00-2062	EA	3" x 12", Satin Finish, Stainless Steel Push Plate Door Hardware	32.57	5.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2063	EA	4" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	34.39	5.81
08 71 11 00-2064	EA	6" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	38.55	5.81
08 71 11 00-2065	EA	8" x 16", Satin Finish, Stainless Steel Push Plate Door Hardware	44.69	5.81

08 71 11 00-2066 Brass Push Plates *(08 71 11 00-2053)*

08 71 11 00-2067 Bright/Satin Brass Finish, Brass Push Plates *(08 71 11 00-2066)*

Note: Ives 8200 Series.

08 71 11 00-2068	EA	3" x 12", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	38.13	5.81
08 71 11 00-2069	EA	4" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	42.80	5.81
08 71 11 00-2070	EA	6" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	54.05	5.81
08 71 11 00-2071	EA	8" x 16", Bright/Satin Brass Finish, Brass Push Plate Door Hardware	61.44	5.81

08 71 11 00-2072 Bright/Satin Chrome Finish, Brass Push Plates *(08 71 11 00-2066)*

Note: Ives 8200 Series.

08 71 11 00-2073	EA	3" x 12", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	41.86	5.81
08 71 11 00-2074	EA	4" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	45.66	5.81
08 71 11 00-2075	EA	6" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	55.96	5.81
08 71 11 00-2076	EA	8" x 16", Bright/Satin Chrome Finish, Brass Push Plate Door Hardware	66.12	5.81

08 71 11 00-2077 Satin/Dark Bronze Finish, Brass Push Plates *(08 71 11 00-2066)*

Note: Ives 8200 Series.

08 71 11 00-2078	EA	3" x 12", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	41.86	5.81
08 71 11 00-2079	EA	4" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	45.66	5.81
08 71 11 00-2080	EA	6" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	57.78	5.81
08 71 11 00-2081	EA	8" x 16", Satin/Dark Bronze Finish, Brass Push Plate Door Hardware	67.13	5.81

08 71 11 00-2082 Satin Nickel Finish, Brass Push Plates *(08 71 11 00-2066)*

Note: Ives 8200 Series.

08 71 11 00-2083	EA	3" x 12", Satin Nickel Finish, Brass Push Plate Door Hardware	41.86	5.81
08 71 11 00-2084	EA	4" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	46.61	5.81
08 71 11 00-2085	EA	6" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	60.66	5.81
08 71 11 00-2086	EA	8" x 16", Satin Nickel Finish, Brass Push Plate Door Hardware	70.01	5.81

08 71 11 00-2087 Exit Devices *(08 71 11)*

08 71 11 00-2088 Push Bar Exit Device, Von Duprin Series 22 *(08 71 11 00-2087)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2089	EA	3' Push Bar, Rim Type, Exit Device	608.89	104.51
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22.		
	For 4' Push Bar, Add		*13.00*	
08 71 11 00-2090	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device	674.22	104.51
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 22-F.		
	For 4' Push Bar, Add		*13.00*	
08 71 11 00-2091	EA	3' Push Bar, Surface Vertical Rods, Exit Device	876.11	125.42
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227.		
	For 4' Push Bar, Add		*13.00*	
08 71 11 00-2092	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device	1,038.83	116.13
		Note: Anodized finish: aluminum or dark brown. Von Duprin Series 2227-F.		
	For 4' Push Bar, Add		*13.00*	
08 71 11 00-2093	EA	Dummy Trim (Von Duprin Series 22, 210DT)	83.37	17.42
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2094	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 210NL)	181.80	23.22
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2095	EA	Knob Trim With Cylinder (Von Duprin Series 22, 210K)	333.22	34.84
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2096	EA	Lever Trim With Cylinder (Von Duprin Series 22, 230L)	330.21	34.84
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2097	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 22, 230TP)	329.46	34.84
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2098	EA	Blank Escutcheon Knob (Von Duprin Series 22, 210K-BE)	259.39	34.84
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2099	EA	Exit Only Trim Plate (Von Duprin Series 22, 230EO)	104.96	13.94
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2100	EA	Dummy Trim (Von Duprin Series 22, 230DT)	121.78	17.42
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2101	EA	Night Latch Trim With Cylinder (Von Duprin Series 22, 230NL)	221.73	23.22
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2102	EA	Blank Escutcheon Lever (Von Duprin Series 22, 230L-BE)	256.39	34.84
		Note: Anodized finish: aluminum or dark brown.		
08 71 11 00-2103	EA	Blank Escutcheon Thumbpiece (Von Duprin Series 22, 230TP-BE)	255.63	34.84
		Note: Anodized finish: aluminum or dark brown.		

08 71 11 00-2104 Push Bar Exit Device, Narrow Stile, Von Duprin Series 33/35 *(08 71 11 00-2087)*

Note: Grade 1, BHMA 156.3. Series 33 has a ribbed case, Series 35 has a smooth case.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2105	EA	3' Push Bar, Rim Type, Narrow Stile Exit Device	1,118.69	104.51
		Note: Aluminum anodized finish. Von Duprin Series 33/35.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*86.01*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*165.05*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*31.92*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*245.27*	
08 71 11 00-2106	EA	3' Push Bar, Surface Vertical Rods, Narrow Stile Exit Device	1,515.69	125.42
		Note: Aluminum anodized finish. Von Duprin Series 3327/3527.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*120.96*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*232.11*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*44.89*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*344.92*	
08 71 11 00-2107	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Narrow Stile Exit Device	1,544.31	125.42
		Note: Aluminum anodized finish. Von Duprin Series 3327-F/3527-F.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*123.89*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*237.74*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*45.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*353.28*	
08 71 11 00-2108	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device	1,577.33	144.00
		Note: Aluminum anodized finish. Von Duprin Series 3347/3547.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*122.04*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*234.18*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*45.29*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*348.00*	
08 71 11 00-2109	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device	1,651.15	144.00
		Note: Aluminum anodized finish. Von Duprin Series 3347-F/3547-F.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*129.60*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*248.69*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*48.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*369.56*	
08 71 11 00-2110	EA	3' Push Bar, Concealed Vertical Rods, Narrow Stile Exit Device	1,754.36	144.00
		Note: Aluminum anodized finish. Von Duprin Series 3348/3548.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*140.17*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*268.97*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*52.01*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*399.69*	
08 71 11 00-2111	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Narrow Stile Exit Device	1,828.18	144.00
		Note: Aluminum anodized finish. Von Duprin Series 3348-F/3548-F.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*147.73*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*283.48*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*54.82*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*421.25*	
08 71 11 00-2112	EA	Dummy Trim (Von Duprin Series 33/35, DT)	248.34	17.42
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*39.67*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.67*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*58.95*	
08 71 11 00-2113	EA	Night Latch With Cylinder, Less Pull (Von Duprin Series 33/35, NL-OP)	313.63	23.22
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*48.85*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.45*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*72.59*	
08 71 11 00-2114	EA	Night Latch With Cylinder (Von Duprin Series 33/35, NL)	495.18	23.22
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*84.52*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.35*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*125.60*	
08 71 11 00-2115	EA	Lever Trim With Cylinder (Von Duprin Series 33/35, 360L)	621.75	34.84
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*103.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*20.10*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*154.42*	
08 71 11 00-2116	EA	Blank Escutcheon Lever With Cylinder (Von Duprin Series 33/35, 360L-BE)	597.64	34.84
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*99.18*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*19.18*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*147.38*	
08 71 11 00-2117	EA	Lever Dummy Trim With Cylinder (Von Duprin Series 33/35, 360L-DT)	586.34	34.84
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*96.96*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.75*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*144.08*	
08 71 11 00-2118	EA	Thumbturn Trim With Cylinder (Von Duprin Series 33/35, 360T)	591.62	34.84
		Note: Anodized finish: aluminum or dark brown.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*98.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*18.95*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*145.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2119		**Push Bar Exit Device, Von Duprin Series 98/99** *(08 71 11 00-2087)*		
		Note: Grade 1, BHMA 156.3. Series 98 has a smooth case, Series 99 has a grooved case.		
08 71 11 00-2120	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series 98/99)	993.64	104.51
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*43.61*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*69.35*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*110.81*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*226.63*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*71.49*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*105.09*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2121	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series 98-F/99-F)	1,118.69	104.51
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*51.24*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*81.48*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*130.20*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*266.27*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*84.00*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*123.48*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2122	EA	3' Push Bar, Rim Type, Exit Device (Von Duprin Series XP98/XP99)	1,077.25	104.51
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*48.71*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*77.46*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*123.77*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*253.13*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*79.85*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*117.38*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2123	EA	3' Push Bar, Fire Rated, Rim Type, Exit Device (Von Duprin Series XP98-F/XP99-F)	1,199.29	104.51
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*56.15*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*89.30*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*142.69*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*291.82*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*92.06*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*135.32*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2124	EA	3' Push Bar, Surface Vertical Rods, Exit Device (Von Duprin Series 9827/9927)	1,401.94	125.42
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*65.12*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*103.55*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*165.46*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*338.39*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*106.75*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*156.92*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2125	EA	3' Push Bar, Fire Rated, Surface Vertical Rods, Exit Device (Von Duprin Series 9827-F/9927-F)	1,571.44	125.42
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*75.46*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*119.99*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*191.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*392.12*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*123.70*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*181.84*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2126	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847/9947)	1,480.90	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*101.87*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*106.25*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*169.78*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*347.23*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*109.54*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*161.02*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2127	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9847-F/9947-F)	1,654.17	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*117.98*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*123.06*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*196.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*402.15*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*126.86*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*186.49*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2128	EA	3' Push Bar, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848/9948)	1,657.93	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.33*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*123.42*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*197.22*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*403.34*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*127.24*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*187.04*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2129	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device (Von Duprin Series 9848-F/9948-F)	1,831.20	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*134.45*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*140.23*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*224.08*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*458.27*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*144.57*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*212.51*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2130	EA	3' Push Bar, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC/9947WDC)	1,606.70	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*113.57*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*118.45*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*189.28*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*387.10*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*122.12*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*179.51*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2131	EA	3' Push Bar, Fire Rated, Concealed Vertical Rods, Exit Device For Wood Door (Von Duprin Series 9847WDC-F/9947WDC-F)	1,801.82	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*131.71*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*137.38*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*219.52*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*448.96*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*141.63*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*208.19*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2132	EA	3' Push Bar, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857/9957)	1,731.90	125.42
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*85.24*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*135.55*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*216.60*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*442.99*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*139.74*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*205.42*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2133	EA	3' Push Bar, Fire Rated, Surface Mount, Three Point Latch, Exit Device (Von Duprin Series 9857-F/9957-F)	1,844.15	125.42
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*92.09*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*146.44*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*234.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*478.57*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*150.97*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*221.92*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2134	EA	3' Push Bar, Mortise Lock, Exit Device (Von Duprin Series 9875/9975)	1,393.27	130.07
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*38.66*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*101.35*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*161.96*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*331.23*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*104.49*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*153.60*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2135	EA	3' Push Bar, Fire Rated, Mortise Lock, Exit Device (Von Duprin Series 9875-F/9975-F)	1,520.58	130.07
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*43.37*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*113.70*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*181.69*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*371.58*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*117.22*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*172.31*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2136	EA	3' Push Bar, Concealed Vertical Cable, Exit Device (Von Duprin Series 9849/9949)	1,534.38	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*106.84*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*111.44*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*178.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*364.18*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*114.88*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*168.88*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2137	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device(Von Duprin Series 9849-F/9949-F)	1,660.94	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*118.61*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*123.71*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*197.69*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*404.30*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*127.54*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*187.48*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2138	EA	3' Push Bar, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC/9949WDC)	1,665.46	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*119.03*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*124.15*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*198.39*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*405.73*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*127.99*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*188.15*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2139	EA	3' Push Bar, Fire Rated, Concealed Vertical Cable, Exit Device For Wood Door (Von Duprin Series 9849WDC-F/9949WDC-F)	1,891.46	144.00
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*140.05*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*146.07*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*233.42*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*477.37*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*150.59*	
		For Satin Stainless Steel, US32D (BHMA 630) Finish, Add	*221.37*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Cylinder Dogging Indicator (CI), Add	*132.78*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2140	EA	3' Push Bar, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98/CX99)	2,135.42	120.78
		Note: Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*280.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*573.85*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*181.03*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*67.34*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*75.67*	
		For Center Case Dogging (CD-CX), Add	*215.37*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2141	EA	3' Push Bar, Fire Rated, Chexit Delayed Egress, Exit Device (Von Duprin Series CX98-F/CX99-F)	2,260.48	120.78
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*299.97*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*613.50*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*193.53*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*71.99*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*80.90*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2142	EA	3' Push Bar, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875/CX9975)	2,544.35	148.65
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*331.73*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*678.45*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*214.02*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*79.62*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*89.46*	
		For Center Case Dogging (CD-CX), Add	*215.37*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2143	EA	3' Push Bar, Fire Rated, Mortise Chexit Delayed Egress, Exit Device (Von Duprin Series CX9875-F/CX9975-F)	2,671.67	148.65
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*351.47*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*718.81*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*226.75*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*84.35*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*94.78*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2144	EA	3' Push Bar, Electric Latch Retraction, Exit Device (Von Duprin Series E98/E99)	1,397.16	120.78
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*166.16*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*339.82*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*107.20*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*39.88*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*61.53*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2145	EA	3' Push Bar, Fire Rated, Electric Latch Retraction, Exit Device (Von Duprin Series E98-F/E99-F)	1,522.21	120.78
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*185.54*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*379.46*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*119.71*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*44.53*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*68.71*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2146	EA	3' Push Bar, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875/E9975)	1,806.09	148.65
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*217.30*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*444.42*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*140.20*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*52.15*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*80.47*	
		For Standard Baseplate Cylinder Dogging (CD), Add	*47.65*	
		For Special Center Case Dogging (SD), Add	*199.49*	
		For Dogging Indicator (DI), Add	*121.99*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2147	EA	3' Push Bar, Fire Rated, Mortise Electric Latch Retraction, Exit Device (Von Duprin Series E9875-F/E9975-F)	1,933.40	148.65
		Note: Excludes power supply. Clear anodized satin aluminum US28 (BHMA 628) finish.		
		For 4' Push Bar, Add	*13.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*237.04*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*484.78*	
		For Satin Brass, Clear Coated US4 (BHMA 606) Finish, Add	*152.93*	
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*56.89*	
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*87.78*	
		For Quiet Electric Latch Retraction (QEL), Add	*426.52*	
		For Vision Impaired Touchpad, Raised Letters and Braille, Add	*61.63*	
		For Safety Glow Touchpad, Add	*222.36*	
08 71 11 00-2148	EA	Exit Only Trim Plate (Von Duprin Series 98/99, EO)	117.21	13.94
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*2.40*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*3.60*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*13.61*	
08 71 11 00-2149	EA	Dummy Trim (Von Duprin Series 98/99, 990DT)	170.97	17.42
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*3.74*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*5.60*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*21.17*	
08 71 11 00-2150	EA	Night Latch Pull Trim With 110NL Cylinder (Von Duprin Series 98/99, 990NL)	272.27	23.22
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.22*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.33*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*35.23*	
08 71 11 00-2151	EA	Night Latch Pull Trim Without Cylinder (Von Duprin Series 98/99, 990NL)	198.45	23.22
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*4.00*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*6.00*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*22.68*	
08 71 11 00-2152	EA	Lever Trim With 110NL Cylinder (Von Duprin Series 98/99, 996L)	454.53	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*10.85*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*16.27*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*61.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2153	EA	Lever Trim Without Cylinder (Von Duprin Series 98/99, 996L)	380.71	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.63*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.95*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*48.93*	
08 71 11 00-2154	EA	Blank Escutcheon, Lever ((Von Duprin Series 98/99, 996L-BE)	380.71	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.63*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.95*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*48.93*	
08 71 11 00-2155	EA	Night Latch, Lever With 110NL Cylinder (Von Duprin Series 98/99, 996L-NL)	391.00	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.94*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*13.41*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*50.68*	
08 71 11 00-2156	EA	Night Latch, Lever Without Cylinder (Von Duprin Series 98/99, 996L-NL)	317.17	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.73*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*10.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*38.12*	
08 71 11 00-2157	EA	Lever Dummy Trim (Von Duprin Series 98/99, 996L-DT))	317.17	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.73*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*10.09*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*38.12*	
08 71 11 00-2158	EA	Knob Trim With 110NL Cylinder (Von Duprin Series 98/99, K)	380.84	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.64*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.96*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*48.95*	
08 71 11 00-2159	EA	Knob Trim Without Cylinder (Von Duprin Series 98/99, K)	307.02	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.42*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*36.40*	
08 71 11 00-2160	EA	Blank Escutcheon, Knob (Von Duprin Series 98/99, K-BE)	307.02	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.42*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.63*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*36.40*	
08 71 11 00-2161	EA	Night Latch, Knob With 110NL Cylinder (Von Duprin Series 98/99, K-NL)	375.12	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*8.47*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*12.70*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*47.98*	
08 71 11 00-2162	EA	Night Latch, Knob Without Cylinder (Von Duprin Series 98/99, K-NL)	301.30	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.25*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*35.43*	
08 71 11 00-2163	EA	Dummy Trim For Knob Without Cylinder (Von Duprin Series 98/99, K-DT)	301.30	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*6.25*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*9.38*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*35.43*	
08 71 11 00-2164	EA	Thumbpiece Trim With 110NL Cylinder (Von Duprin Series 98/99, TP)	343.99	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*7.53*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*11.30*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*42.68*	
08 71 11 00-2165	EA	Thumbpiece Trim Without Cylinder (Von Duprin Series 98/99, TP)	270.16	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.32*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*30.13*	
08 71 11 00-2166	EA	Blank Escutcheon, Thumbpiece (Von Duprin Series 98/99, T-BE)	270.16	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.32*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*7.98*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*30.13*	
08 71 11 00-2167	EA	Push/Pull Hospital Latch Trim With 110NL Cylinder (Von Duprin Series 98/99, HL)	290.28	34.84
		Note: Satin chrome plated US26D (BHMA 626) finish.		
		For Duranodic Dark Bronze US313 (BHMA 710) Finish, Add	*5.92*	
		For Satin Bronze, Clear Coated US10 (BHMA 612) Finish, Add	*8.88*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*33.55*	

08 71 11 00-2168 Option And Kits For Series 22, 33, 35, 98 Or 99 *(08 71 11 00-2087)*

08 71 11 00-2169	EA	Alarm Kit With Switch And 9 Volt Battery Back-up	749.05	34.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2170	EA	4 Amperes Output Current, 12-24 Volt DC, Power Supply (Von Duprin PS914)	502.33	34.84
		For Battery Backup (Includes Board And 2 Batteries), Add	*56.01*	
		For Fire Alarm Interface, Add	*28.00*	
		For 2 Relay Panic Device Control Board, Add	*64.97*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*76.17*	
		For 4 Relay Output Board, Add	*62.73*	
		For 4 Relay Logic Board, Add	*172.04*	
		For Fused 8 Zone Distribution Board, Add	*22.40*	
08 71 11 00-2171	EA	Jamb Mounted Concealed Electric Power Transfer (Von Duprin EPT-10)	470.54	34.84
08 71 11 00-2172	EA	2 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS902)	268.60	34.84
		For Battery Backup (Includes Board And 2 Batteries), Add	*56.01*	
		For Fire Alarm Interface, Add	*28.00*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*76.17*	
		For 4 Relay Output Board, Add	*62.73*	
		For 4 Relay Logic Board, Add	*172.04*	
		For Fused 8 Zone Distribution Board, Add	*22.40*	
08 71 11 00-2173	EA	4 Amperes Output Current, 12/24 Volt DC, Power Supply (Von Duprin PS904)	424.07	34.84
		For Battery Backup (Includes Board And 2 Batteries), Add	*56.01*	
		For Fire Alarm Interface, Add	*28.00*	
		For 2 Relay Quiet Electric Latch Panic Device Control Board, Add	*76.17*	
		For 4 Relay Output Board, Add	*62.73*	
		For 4 Relay Logic Board, Add	*172.04*	
		For Fused 8 Zone Distribution Board, Add	*22.40*	
08 71 11 00-2174	EA	Request to Exit Push Pad Monitor Switch (RX)	167.79	23.22

08 71 11 00-2175 Removable Verticals, Mullions (Von Duprin) *(08 71 11 00-2087)*

08 71 11 00-2176	EA	7'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-72) Note: For use with Von Duprin Panic rim devices.	439.44	23.22
		For Owner Furnished Material, Deduct	*-346.53*	
08 71 11 00-2177	EA	8'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-82) Note: For use with Von Duprin Panic rim devices.	466.56	23.22
		For Owner Furnished Material, Deduct	*-373.65*	
08 71 11 00-2178	EA	10'-2" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin 4954-102) Note: For use with Von Duprin Panic rim devices.	759.09	23.22
		For Owner Furnished Material, Deduct	*-666.18*	
08 71 11 00-2179	EA	7'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-76) Note: For use with Von Duprin Panic rim devices.	747.29	27.87
		For Owner Furnished Material, Deduct	*-635.81*	
08 71 11 00-2180	EA	8'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-86) Note: For use with Von Duprin Panic rim devices.	774.41	27.87
		For Owner Furnished Material, Deduct	*-662.93*	
08 71 11 00-2181	EA	10'-6" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness (Von Duprin KR4954-106) Note: For use with Von Duprin Panic rim devices.	833.93	27.87
		For Owner Furnished Material, Deduct	*-722.45*	
08 71 11 00-2182	EA	7'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-73) Note: For use with Von Duprin Panic rim devices.	629.28	23.22
		For Owner Furnished Material, Deduct	*-536.37*	
08 71 11 00-2183	EA	8'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-83) Note: For use with Von Duprin Panic rim devices.	657.16	23.22
		For Owner Furnished Material, Deduct	*-564.25*	
08 71 11 00-2184	EA	10'-3" Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin 9954-103) Note: For use with Von Duprin Panic rim devices.	713.66	23.22
		For Owner Furnished Material, Deduct	*-620.75*	
08 71 11 00-2185	EA	7'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-75) Note: For use with Von Duprin Panic rim devices.	966.51	27.87
		For Owner Furnished Material, Deduct	*-855.03*	
08 71 11 00-2186	EA	8'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-85) Note: For use with Von Duprin Panic rim devices.	994.39	27.87
		For Owner Furnished Material, Deduct	*-882.91*	
08 71 11 00-2187	EA	10'-5" Keyed Removable Steel Mullion, 2" x 3" x 1/8" Wall Thickness, Fire Rated (Von Duprin KR9954-105) Note: For use with Von Duprin Panic rim devices.	1,870.29	27.87
		For Owner Furnished Material, Deduct	*-1,758.81*	
08 71 11 00-2188	EA	Mullion Stabilizer Set (Von Duprin 154) Note: For use with Von Duprin Panic rim devices.	93.66	18.58
		For Owner Furnished Material, Deduct	*-56.50*	

08 71 11 00-2189 Cross Bar Exit Device, Narrow Stile, Von Duprin Series 55 *(08 71 11 00-2087)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2190	EA	42" Crossbar Exit Device, Rim Type, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 55.	1,717.59	104.51
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*181.30*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*208.64*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*274.82*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*299.28*	
08 71 11 00-2191	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547.	2,213.90	144.00
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*230.37*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*265.11*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*349.21*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*380.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2192	EA	42" Crossbar Exit Device, Concealed Vertical Rod, Narrow Stile, Fire Rated	2,418.05	144.00
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*256.10*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*294.71*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*388.21*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*422.76*	
08 71 11 00-2193	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile	2,264.37	144.00
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*236.73*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*272.43*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*358.85*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*390.79*	
08 71 11 00-2194	EA	42" Crossbar Exit Device, Wood Door Concealed Vertical Rod, Narrow Stile, Fire Rated	2,462.49	144.00
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5547WDC-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*261.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*301.16*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*396.70*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*432.00*	
08 71 11 00-2195	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile	1,720.96	130.07
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*172.94*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*199.02*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*262.16*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*285.49*	
08 71 11 00-2196	EA	42" Crossbar Exit Device, Mortise Lock, Narrow Stile, Fire Rated	1,854.30	130.07
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 5575-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*189.74*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*218.36*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*287.63*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*313.23*	
08 71 11 00-2197	EA	Dummy Trim (DT) Pull Bracket, Von Duprin Series 55	294.30	17.42
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*31.23*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*35.94*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*47.34*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*51.55*	
08 71 11 00-2198	EA	Cylinder Assembly, Von Duprin Series 55	135.09	24.62
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*8.83*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.16*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*13.38*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*14.57*	
08 71 11 00-2199	EA	Night Latch Pull Trim (NL) With Cylinder, Von Duprin Series 55	495.94	24.62
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*54.29*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*62.48*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*82.30*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*89.63*	
08 71 11 00-2200	EA	Thumbturn Trim (376T) With Cylinder, Von Duprin Series 55	532.86	34.84
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*55.43*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*63.79*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*84.03*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*91.51*	
08 71 11 00-2201	EA	Thumbturn - Blank Escutcheon (376T-BE), Von Duprin Series 55	434.92	34.84
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*43.09*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*49.59*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*65.32*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*71.14*	
08 71 11 00-2202	EA	Lever Trim (371L) With Cylinder, Von Duprin Series 55	532.86	34.84
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*55.43*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*63.79*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*84.03*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*91.51*	
08 71 11 00-2203	EA	Lever Trim (575L) With Cylinder, Von Duprin Series 55	612.71	34.84
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*65.49*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*75.37*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Or Bright Chrome Plated US26 (BHMA 625) Finish, Add	*99.28*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*108.12*	

08 71 11 00-2204 Cross Bar Exit Device, Von Duprin Series 88 *(08 71 11 00-2087)*

Note: Grade 1, BHMA 156.3.

08 71 11 00-2205	EA	42" Crossbar, Rim Type, Exit Device	1,094.58	104.51
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*25.29*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*26.11*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*222.73*	
08 71 11 00-2206	EA	42" Crossbar, Fire Rated, Rim Type, Exit Device	1,274.63	104.51
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 88-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*30.87*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*31.87*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*271.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2207	EA	42" Crossbar, Surface Vertical Rods, Exit Device	1,414.74	125.42
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*33.49*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*34.57*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*294.92*	
08 71 11 00-2208	EA	42" Crossbar, Fire Rated, Surface Vertical Rods, Exit Device	1,804.21	125.42
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8827-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*45.56*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*47.03*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*401.24*	
08 71 11 00-2209	EA	42" Crossbar, Concealed Vertical Rods, Exit Device	1,367.82	144.00
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*30.45*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*31.43*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*268.16*	
08 71 11 00-2210	EA	42" Crossbar, Fire Rated, Concealed Vertical Rods, Exit Device	1,721.97	144.00
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8847-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*41.43*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*42.77*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*364.84*	
08 71 11 00-2211	EA	42" Crossbar, Mortise Lock, Exit Device	1,463.32	130.07
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*34.56*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*35.68*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*304.38*	
08 71 11 00-2212	EA	42" Crossbar, Fire Rated, Mortise Lock, Exit Device	1,555.23	130.07
		Note: Anodized finish: dull brass or dull bronze. Von Duprin Series 8875-F.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*37.41*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*38.62*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*329.47*	
08 71 11 00-2213	EA	Dummy Trim (Von Duprin Series 88, DT)	165.48	17.42
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*3.69*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*3.81*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*32.50*	
08 71 11 00-2214	EA	Night Latch Pull Trim With Cylinder (Von Duprin Series 88, NL)	264.66	23.22
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*6.19*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*6.39*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*54.50*	
08 71 11 00-2215	EA	Thumbturn Trim With Cylinder (Von Duprin Series 88, 376T Or 377T)	459.03	34.84
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*11.35*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*11.72*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*99.95*	
08 71 11 00-2216	EA	Lever Trim With Cylinder (Von Duprin Series 88, 373L)	428.90	34.84
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*10.42*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*10.75*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*91.73*	
08 71 11 00-2217	EA	Knob Trim With Cylinder (Von Duprin Series 88, K)	327.20	34.84
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*7.26*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*7.50*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*63.96*	
08 71 11 00-2218	EA	Thumbpiece Trim With Cylinder (Von Duprin Series 88, TP)	327.20	34.84
		Note: Anodized finish: dull brass or dull bronze.		
		For Satin Chrome Plated US26D (BHMA 626) Finish, Add	*7.26*	
		For Dark Oxidized Satin Bronze, Oil Rubbed, US10B (BHMA 613) Finish, Add	*7.50*	
		For Bright Stainless Steel US32 (BHMA 629) Finish, Add	*63.96*	

08 71 11 00-2219 Push Bar Exit Device, Precision Hardware Apex 2000 Series *(08 71 11 00-2087)*

Note: Grade 1, BHMA 156.3. Anodized Aluminum Finish.

08 71 11 00-2220	EA	3' Push Bar Exit Device, Rim Type (Precision Hardware 2100 Series)	1,155.37	104.51
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-876.65*	
08 71 11 00-2221	EA	3' Push Bar Exit Device, Rim Type, Fire Rated (Precision Hardware 2100 Series)	1,215.60	104.51
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-936.88*	
08 71 11 00-2222	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only) (Precision Hardware 2200 Series)	1,571.75	125.42
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-1,237.29*	
08 71 11 00-2223	EA	3' Push Bar Exit Device, Surface Vertical Rod (Top Only), Fire Rated (Precision Hardware 2200 Series)	1,631.99	125.42
		For 4' Push Bar, Add	*13.00*	
		For Owner Furnished Material, Deduct	*-1,297.53*	
08 71 11 00-2224	EA	Exit Only, Cover Plate, Lever/Knob Trim (Precision 4901)	141.79	13.94
		For Owner Furnished Material, Deduct	*-104.63*	
08 71 11 00-2225	EA	Exit Only, Dummy Trim, Lever/Knob Trim (Precision 4902A)	364.29	17.42
		For Owner Furnished Material, Deduct	*-317.84*	
08 71 11 00-2226	EA	Key Retracts Latchbolt, Lever/Knob Trim (Precision 4903A)	410.75	34.84
		For Owner Furnished Material, Deduct	*-317.84*	
08 71 11 00-2227	EA	Key Controls Lever/Knob, Lever/Knob Trim (Precision 4908A)	490.02	34.84
		For Owner Furnished Material, Deduct	*-397.11*	
08 71 11 00-2228	EA	Key Controls Lever, Lever/Knob Trim (Precision V4908A)	490.02	34.84
		For Owner Furnished Material, Deduct	*-397.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2229	EA	Lever/Knob Always Active, Lever/Knob Trim (Precision 4914A)	490.02	34.84
		For Owner Furnished Material, Deduct	*-397.11*	
08 71 11 00-2230	EA	Exit Only, Cover Plate, Pull Trim (Precision 1701)	106.90	13.94
		For Owner Furnished Material, Deduct	*-69.74*	
08 71 11 00-2231	EA	Exit Only, Dummy Trim, Pull Trim (Precision 1702A)	219.24	17.42
		For Owner Furnished Material, Deduct	*-172.79*	
08 71 11 00-2232	EA	Key Retracts Latchbolt, Pull Trim (Precision 1703A)	237.82	23.22
		For Owner Furnished Material, Deduct	*-172.79*	
08 71 11 00-2233	EA	Key Controls Thumb Piece, Pull Trim (Precision 1705A)	335.45	34.84
		For Owner Furnished Material, Deduct	*-242.54*	
08 71 11 00-2234	EA	Thumb Piece Always Active, Pull Trim (Precision 1715A)	335.45	34.84
		For Owner Furnished Material, Deduct	*-242.54*	

08 71 11 00-2235 Door Closers *(08 71 11)*

Note: Includes standard cover and arm.

08 71 11 00-2236	EA	Surface Mounted Standard Duty Door Closer (LCN 1460 Series)	376.02	26.94
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2237	EA	Surface Mounted Heavy Duty Door Closer (LCN 4010/4020/4110 Series)	456.64	26.94
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2238	EA	Surface Mounted Heavy Duty Door Closer (LCN 4040XP/4041 Series)	469.46	26.94
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
		For Spring Cush Arm, Add	*67.20*	
		For Parallel Arm And PA Shoe, Add	*22.40*	
		For Stainless Steel Finish, Add	*145.00*	
08 71 11 00-2239	EA	Surface Mounted High Security Door Closer With Metal Cover (LCN 4510)	485.50	26.94
		For Delayed Action, Add	*12.60*	
		For AVB (5 LB Per Push), Add	*6.60*	
		For Fusible Link Arm, Add	*39.60*	
		For Shock Absorbing Arm, Add	*19.80*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2240	EA	Surface Mounted Standard Duty Door Closer (Norton 8301)	315.64	26.94
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2241	EA	Surface Mounted Standard Duty Door Closer (Norton 8501)	318.34	26.94
		For Parallel Arm, Add	*22.40*	
08 71 11 00-2242	EA	Screen Door - Closer	40.25	10.12
08 71 11 00-2243	EA	Screen Door - Locking Handle	45.47	14.52

08 71 11 00-2244 Concealed Door Closers *(08 71 11)*

08 71 11 00-2245	EA	Non Hold Open, Floor Concealed Door Closer (Rixson 27/28)	1,061.86	79.90
08 71 11 00-2246	EA	Selective Hold Open, Floor Concealed Door Closer (Rixson 27/27)	1,137.42	79.90
08 71 11 00-2247	EA	Concealed (In Door) Overhead Door Closer (LCN 3130)	539.55	32.52
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	
08 71 11 00-2248	EA	Concealed (In Frame) Overhead Door Closer (LCN 5010)	583.75	32.52
		For Delayed Action, Add	*12.60*	
		For Hold Open Arm, Add	*13.80*	
		For Plated Brass Finish, Add	*101.40*	
		For Plated Finish With Clear Coat, Add	*127.20*	

08 71 11 00-2249 Locks And Latches *(08 71 11)*

Note: All locksets are supplied with knob, lever or thumb piece, set of 3 keys and include a core. Multi purchase locksets can be keyed alike and to an existing master key (when required). The cost for boring hole or preparing mortise is included with the new door.

08 71 11 00-2250 Locksmith Services *(08 71 11 00-2249)*

08 71 11 00-2251	EA	Provide Extra Keys (Above The Three Provided For New Locks) Or Duplicate Keys	1.22	
		For >50, Deduct	*-0.24*	
08 71 11 00-2252	EA	Rekey Existing Cylinder To Match Existing Cylinders Or Master Key	111.53	
		For >5, Deduct	*-11.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2253	EA	Removal And Replacement Of Cylinder With Owner Supplied Cylinder	111.53	
		For >5, Deduct	*-11.15*	
08 71 11 00-2254	EA	Removal And Replacement Of Cylinder With New Cylinder Note: Excludes core.	124.54	
		For >5, Deduct	*-11.15*	
08 71 11 00-2255	EA	Open Locked Doors	111.53	
08 71 11 00-2256	EA	Install Owner Furnished Cores And Cylinders	46.83	

08 71 11 00-2257 Mortise Locksets And Latchsets *(08 71 11 00-2249)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.13 Grade 1. Levers or knobs.

08 71 11 00-2258	EA	Passage/Closet F01 Mortise Latchset Note: Both sides always unlocked.	615.88	23.22
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*17.26*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*15.69*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*26.15*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*184.61*	
08 71 11 00-2259	EA	Bath/Bedroom Privacy F02/F19 Mortise Lockset Note: Locked with thumb knob inside.	732.08	23.22
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*21.09*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*19.18*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*31.96*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*225.63*	
08 71 11 00-2260	EA	Entrance/Office F04 Mortise Lockset Note: Locked with key outside and thumb knob inside.	814.27	23.22
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*23.80*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*21.64*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*36.07*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*254.64*	
08 71 11 00-2261	EA	Classroom F05 Mortise Lockset Note: Locked with key outside. Inside always unlocked.	760.29	23.22
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*22.02*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*20.02*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*33.37*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*235.59*	
		For Security Function (Double Cylinder) With Visual Indicator, Add	*50.28*	
08 71 11 00-2262	EA	Storeroom/Closet F07 Mortise Lockset Note: Locked with key outside. Inside always unlocked. Fixed outside handle.	760.29	23.22
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*22.02*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*20.02*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*33.37*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*235.59*	
08 71 11 00-2263	EA	Entrance F08 Mortise Lockset Note: Locked with key outside and thumb knob inside.	848.69	23.22
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*24.94*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*22.67*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*37.79*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*266.79*	
08 71 11 00-2264	EA	Dormitory/Exit F13 Mortise Lockset Note: Locked with key outside and thumb knob inside.	731.27	23.22
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*21.07*	
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*19.15*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*31.92*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*225.34*	

08 71 11 00-2265 Locks And Latches *(08 71 11 00-2249)*

08 71 11 00-2266 Preassembled Locks And Latches *(08 71 11 00-2265)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989 Grade 1, with knob handles.

08 71 11 00-2267	EA	Passage/Closet F36 Pre-Assembled Latchset (Corbin Russwin UT5210) Note: Both sides always unlocked.	1,130.43	23.22
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*31.82*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*53.04*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*374.44*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*197.30*	
		For Grade 2, Deduct	*-412.63*	
08 71 11 00-2268	EA	Bath/Bedroom Privacy F37 Pre-Assembled Lockset (Corbin Russwin UT5220) Note: Locked with push button inside.	1,223.17	23.22
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*34.60*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*57.67*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*407.18*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*214.55*	
		For Grade 2, Deduct	*-448.71*	
08 71 11 00-2269	EA	Entrance/Office F41 Pre-Assembled Lockset (Corbin Russwin UT5261) Note: Locked with key outside and push button inside.	1,389.46	23.22
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*39.59*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*65.99*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*465.88*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*245.48*	
		For Grade 2, Deduct	*-513.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2270	EA	Classroom F42 Pre-Assembled Lockset (Corbin Russwin UT5255)	1,389.46	23.22
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*39.59*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*65.99*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*465.88*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*245.48*	
		For Grade 2, Deduct	*-513.39*	
08 71 11 00-2271	EA	Storeroom/Closet F44 Pre-Assembled Lockset (Corbin Russwin UT5257)	1,389.46	23.22
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*39.59*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*65.99*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*465.88*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*245.48*	
		For Grade 2, Deduct	*-513.39*	

08 71 11 00-2272 Bored Locks And Latches *(08 71 11 00-2265)*

Note: Satin chrome plated US 26D (BHMA 626) - BHMA 156.2-1989, Grade 1, 6 pins or 7 pins. Levers or knobs.

08 71 11 00-2273	EA	Passage/Closet F75 Bored Latchset	214.30	23.22
		Note: Both sides always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*3.64*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*6.07*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*42.85*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*22.58*	
		For Grade 2, Deduct	*-6.07*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*2.43*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2274	EA	Bath/Bedroom Privacy F76 Bored Lockset	243.25	23.22
		Note: Locked with push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*4.51*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*7.52*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*53.07*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*27.96*	
		For Grade 2, Deduct	*-7.52*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.01*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2275	EA	Entrance/Office F82 Bored Lockset	266.59	23.22
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.21*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*8.68*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*61.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*32.30*	
		For Grade 2, Deduct	*-8.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.47*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2276	EA	Classroom F84 Bored Lockset	266.59	23.22
		Note: Locked with key outside. Inside always unlocked.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.21*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*8.68*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*61.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*32.30*	
		For Grade 2, Deduct	*-8.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.47*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2277	EA	Storeroom/Closet F86 Bored Lockset	266.59	23.22
		Note: Locked with key outside. Inside always unlocked. Fixed outside handle.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.21*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*8.68*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*61.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*32.30*	
		For Grade 2, Deduct	*-8.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.47*	
		For Interchangeable Core, Add	*9.45*	
08 71 11 00-2278	EA	Corridor/Dormitory F90 Bored Lockset	266.59	23.22
		Note: Locked with key outside and push button inside.		
		For Oxidized Satin Bronze, Oil Rubbed US10B (BHMA 613) Finish, Add	*5.21*	
		For Satin Brass Clear Coat US4 (BHMA 606) Finish, Add	*8.68*	
		For Satin Stainless Steel US32D (BHMA 630) Finish, Add	*61.31*	
		For Bright Chrome Plated Finish US26 (BHMA 625) Finish, Add	*32.30*	
		For Grade 2, Deduct	*-8.68*	
		For Bright Brass, Clear Coated US3 (BHMA 605) Finish, Add	*3.47*	
		For Interchangeable Core, Add	*9.45*	

08 71 11 00-2279 Other Locks *(08 71 11 00-2249)*

Note: BHMA A156.5.

08 71 11 00-2280	EA	Steel Exit Lock With Alarm, Single Door Satin Chrome Plated, BHMA E0421	711.92	120.78
08 71 11 00-2281	EA	Exit Lock With Alarm At Active Leaf And Vertical Rod - Inactive Leaf Rod For Inactive Leaf (Pair Doors) Steel With Satin Chrome Plating BHMA - E0461	1,588.79	241.55

08 71 11 00-2282 Pushbutton Combination Locks *(08 71 11 00-2249)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2283		**Mechanical Pushbutton Combination Locks** *(08 71 11 00-2282)* Note: Passage option allows access without using the lock entry code and is activated from the inside with a thumbturn or key. Lockout option disables the lock from the inside so that the entry code cannot be used to gain access.		
08 71 11 00-2284		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 1000 Series)** *(08 71 11 00-2283)* Note: Satin chrome or antique brass finish.		
08 71 11 00-2285	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	557.00	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2286	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® 1000 Series)	594.98	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2287	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	610.17	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2288	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob (Kaba® Simplex® 1000 Series)	648.15	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2289	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	621.57	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2290	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® L1000 Series)	659.55	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2291	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	674.74	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2292	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® L1000 Series)	712.72	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2293		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 5000 Series)** *(08 71 11 00-2283)* Note: ANSI/BHMA Grade 1, Satin chrome finish or black with satin chrome accents.		
08 71 11 00-2294	EA	Five Button, Cylindrical Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	612.45	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2295	EA	Five Button, Cylindrical Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Knob Or Lever (Kaba® Simplex® 5000 Series)	642.84	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2296	EA	Five Button, Mortise Locking Device, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	703.61	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2297	EA	Five Button, Mortise Locking Device With Passage, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	726.40	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2298	EA	Five Button, Mortise Locking Device With Deadbolt And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	726.40	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2299	EA	Five Button, Exit Trim, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 5000 Series)	688.41	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
08 71 11 00-2300		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® 8100 Series)** *(08 71 11 00-2283)* Note: Satin chrome or antique brass finish.		
08 71 11 00-2301	EA	Five Button, Mortise Locking Device With Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	731.71	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2302	EA	Five Button, Mortise Locking Device With Deadbolt, Passage And Lockout, Mechanical Pushbutton Combination Lock With Key Override, Lever (Kaba® Simplex® 8100 Series)	754.50	58.54
		For Bright Chrome Or Bright Brass Finish, Add	*17.50*	
08 71 11 00-2303		**Mechanical Pushbutton Combination Locks (Kaba® Simplex® LD 450/470)** *(08 71 11 00-2283)* Note: Satin stainless, bright brass or antique brass finish.		
08 71 11 00-2304	EA	Twelve Button, Tubular Latch Locking Device, Light Duty, Mechanical Pushbutton Combination Lock, Knob (Kaba® Simplex® LD 450 Series)	338.98	58.54
08 71 11 00-2305	EA	Twelve Button, Tubular Latch Locking Device With Passage, Light Duty, Mechanical Pushbutton Combination Lock, Lever (Kaba® Simplex® LD 470 Series)	439.25	58.54
08 71 11 00-2306		**Electrical Pushbutton Combination Locks** *(08 71 11 00-2282)* Note: Privacy option limits access to privileged users (master codes).		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 71 11 00-2307 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 2000 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 100 access codes and 1,000 audit events.

08 71 11 00-2308	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	575.99	58.54
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2309	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	667.14	58.54
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2310	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	689.93	58.54
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2311	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock, Lever (Kaba® E-Plex® 2000 Series)	651.95	58.54
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2312	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	613.97	58.54
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2313	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	689.93	58.54
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2314	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	705.13	58.54
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2315	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	727.92	58.54
		For Satin Brass Finish, Add	*17.50*	
08 71 11 00-2316	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 2000 Series)	689.93	58.54
		For Satin Brass Finish, Add	*17.50*	

08 71 11 00-2317 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3000 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 300 access codes and 9,000 audit events.

08 71 11 00-2318	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	727.92	58.54
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2319	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3000 Series)	727.92	58.54
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2320 Narrow Stile Application, Electrical Pushbutton Combination Locks (Kaba® E-Plex® 3200 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2321	EA	Twelve Button, Mortise Locking Device, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	845.66	58.54
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2322	EA	Twelve Button, Mortise Locking Device With Deadbolt, Narrow Stile Application, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 3200 Series)	845.66	58.54
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2323 Electrical Pushbutton Combination Locks (Kaba® E-Plex® 5200 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2324	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	906.43	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2325	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	982.40	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2326	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	997.59	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2327	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	1,020.38	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2328	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® E-Plex® 5200 Series)	982.40	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2329 Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5800 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2330	EA	Twelve Button, Cylindrical Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,267.26	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2331	EA	Twelve Button, Cylindrical Locking Device With Privacy, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,343.22	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2332	EA	Twelve Button, Mortise Locking Device, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,358.42	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2333	EA	Twelve Button, Mortise Locking Device With Deadbolt, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,381.21	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		
08 71 11 00-2334	EA	Twelve Button, Exit Trim, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5800 Series)	1,343.22	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Remote Unlock, Add	*91.12*	
		Note: Excludes momentary contact switch.		

08 71 11 00-2335 Entry/Egress, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5886 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2336	EA	Twelve Button, Mortise Locking Device, Entry/Egress, Electrical Pushbutton Combination Lock/Card Reader With Key Override, Lever (Kaba® E-Plex® 5886 Series)	1,783.82	58.54
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*35.00*	

08 71 11 00-2337 Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Readers (Kaba® E-Plex® 5870 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome or black with satin chrome accents finish. Includes 3,000 access codes and 30,000 audit events.

08 71 11 00-2338	EA	Twelve Button, Stand Alone Access Controller, Electrical Pushbutton Combination Lock/Card Reader (Kaba® E-Plex® 5870 Series)	1,134.32	58.54
		For Bright Chrome, Bright Brass Or Satin Brass Finish, Add	*17.50*	
		For Dark Bronze Finish With Brass Accents, Add	*70.00*	

08 71 11 00-2339 Electrical Pushbutton Combination Lock Accessories (Kaba® E-Plex®) *(08 71 11 00-2306)*

08 71 11 00-2340	EA	Standard Software Implementation Kit (Kaba® E-Plex®)	567.15
08 71 11 00-2341	EA	Enterprise Software Implementation Kit (Kaba® E-Plex®)	719.08
08 71 11 00-2342	EA	E-Plex General FIPS Software Implementation Kit (Kaba® E-Plex®)	946.97
08 71 11 00-2343	EA	USB FIPS/DESFire Card Reader/Enroller (Kaba® E-Plex®)	287.37
08 71 11 00-2344	EA	High Capacity Battery Kit (Kaba® E-Plex® E5x00 Series) Note: Includes 4 C-cell battery pack.	87.23
08 71 11 00-2345	EA	12-24 Volt DC Power Interface Kit (Kaba® E-Plex® E5x00 Series)	103.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 71 11 00-2346 Self-Powered, Electrical Pushbutton Combination Locks (Kaba® PowerPlex® 2000 Series) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 11 00-2347	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	708.93	58.54
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-474.78*	
08 71 11 00-2348	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	800.08	58.54
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-565.93*	
08 71 11 00-2349	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	822.87	58.54
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-588.72*	
08 71 11 00-2350	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock, Lever (Kaba® PowerPlex® 2000 Series)	784.89	58.54
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-550.74*	
08 71 11 00-2351	EA	Twelve Button, Cylindrical Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	746.91	58.54
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-512.76*	
08 71 11 00-2352	EA	Twelve Button, Cylindrical Locking Device With Privacy, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	822.87	58.54
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-588.72*	
08 71 11 00-2353	EA	Twelve Button, Mortise Locking Device, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	838.06	58.54
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-603.91*	
08 71 11 00-2354	EA	Twelve Button, Mortise Locking Device With Deadbolt, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	860.85	58.54
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-626.70*	
08 71 11 00-2355	EA	Twelve Button, Exit Trim, Self-Powered, Electrical Pushbutton Combination Lock With Key Override, Lever (Kaba® PowerPlex® 2000 Series)	822.87	58.54
		For Satin Brass Finish, Add	*17.50*	
		For Owner Furnished Material, Deduct	*-588.72*	

08 71 11 00-2356 Electrical Pushbutton Combination Locks (Schlage) *(08 71 11 00-2306)*

Note: ANSI/BHMA Grade 1. Satin chrome finish.

08 71 11 00-2357	EA	Class 100, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO100CY70KP626BD-D)	701.59	58.06
		For Owner Furnished Material, Deduct	*-469.33*	
08 71 11 00-2358	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70KP-D)	806.95	58.06
		For Owner Furnished Material, Deduct	*-574.69*	
08 71 11 00-2359	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage CO200CY70MSK626)	906.15	58.06
		For Owner Furnished Material, Deduct	*-673.89*	
08 71 11 00-2360	EA	Class 200, Cylindrical, Classroom/Storeroom, Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70KP626)	1,172.97	58.06
		For Owner Furnished Material, Deduct	*-940.71*	
08 71 11 00-2361	EA	Class 200, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Standalone Electronic Lock (Schlage AD200CY70MKS626)	1,279.01	58.06
		For Owner Furnished Material, Deduct	*-1,046.75*	
08 71 11 00-2362	EA	Class 400, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD400CY70MSKSPA626)	1,403.52	58.06
		For Owner Furnished Material, Deduct	*-1,171.26*	
08 71 11 00-2363	EA	Class 300, Cylindrical, Classroom/Storeroom, Magnetic Strip + Keypad, Sparta Lever, Networked Wireless Electronic Lock (Schlage AD300CY70MSKSPA626)	1,292.69	58.06
		For Owner Furnished Material, Deduct	*-1,060.43*	

08 71 11 00-2364 Residential Locks And Latchsets *(08 71 11 00-2249)*

08 71 11 00-2365	EA	Residential Entry Lockset With Knobs (Master Keyed)	66.49	14.05
08 71 11 00-2366	EA	Residential Privacy Lockset With Knobs	65.33	14.05
08 71 11 00-2367	EA	Residential Passage Lockset With Knobs	65.18	14.05
08 71 11 00-2368	EA	Residential Dummy Lockset With Knobs	52.15	11.71
08 71 11 00-2369	EA	Residential Entry Lockset With Levers (Master Keyed)	74.47	14.05
08 71 11 00-2370	EA	Residential Privacy Lockset With Levers	71.82	14.05
08 71 11 00-2371	EA	Residential Passage Lockset With Levers	69.90	14.05
08 71 11 00-2372	EA	Residential Dummy Lockset With Levers	53.06	11.71

08 71 11 00-2373 Deadbolts *(08 71 11 00-2249)*

08 71 11 00-2374 Cylindrical Deadbolts, Grade 1, ANSI 156.5 *(08 71 11 00-2373)*

Note: 2-3/8" or 2-3/4" backset.

08 71 11 00-2375	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	140.74	23.22
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2376	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 1, interchangeable core, bright brass or satin chromium finish.	158.32	23.22
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2377		**Cylindrical Deadbolts, Grade 2, ANSI 156.5** *(08 71 11 00-2373)* Note: 2-3/8" or 2-3/4" backset.		
08 71 11 00-2378	EA	Single Cylinder Deadbolt, Key One Side, Knob One Side Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	128.70	23.22
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2379	EA	Double Cylinder Deadbolt, Key Both Sides Note: Cylindrical, ANSI Grade 2, interchangeable core, bright brass or satin chromium finish.	147.91	23.22
		For Bright Chromium Or Oiled Rubbed Bronze Finish, Add	*4.20*	
08 71 11 00-2380		**Small Case Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2373)* Note: Interchangeable cores with small case size, 4-1/2" x 3-1/2" nominal.		
08 71 11 00-2381	EA	Small Case Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	181.46	23.22
08 71 11 00-2382	EA	Small Case Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal). Also used for Classroom version.	197.74	23.22
08 71 11 00-2383	EA	Small Case Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 3-1/2" (nominal).	178.21	23.22
08 71 11 00-2384		**Mortised Deadbolts, Grade 1, ANSI 156.5** *(08 71 11 00-2373)* Note: Interchangeable cores with standard case size, 4-1/2" x 6" nominal.		
08 71 11 00-2385	EA	Mortised Deadbolt, Key One Side, Knob One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	225.74	23.22
08 71 11 00-2386	EA	Mortised Deadbolt, Key Both Sides Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal). Also used for Classroom version.	252.43	23.22
08 71 11 00-2387	EA	Mortised Deadbolt, Key One Side, Cover Plate One Side Note: ANSI Grade 1, interchangeable cores, all finishes. Case size 4-1/2" x 6" (nominal).	202.95	23.22
08 71 11 00-2388		**Surface Mounted Deadbolts** *(08 71 11 00-2373)*		
08 71 11 00-2389	EA	Single Cylinder Surface Mounted Deadbolt Note: Key one side, knob one side, bright brass finish.	102.47	23.22
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2390	EA	Double Cylinder Surface Mounted Deadbolt Note: Key both sides, bright brass finish.	114.23	23.22
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2391	EA	Single Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key one side, knob one side, bright brass finish.	123.59	23.22
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2392	EA	Double Cylinder Surface Mounted Interlocking Deadbolt Note: Jimmy proof, key both sides, bright brass finish.	135.35	23.22
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2393		**Surface Mounted Deadlatches** *(08 71 11 00-2249)*		
08 71 11 00-2394	EA	Single Cylinder Surface Mounted Deadlatch Note: Key one side, knob one side, bright brass finish.	103.39	23.22
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2395	EA	Single Cylinder Surface Mounted Interlocking Deadlatch Note: Jimmy proof, key one side, knob one side, bright brass finish.	123.63	23.22
		For Brushed Chrome Finish, Add	*10.50*	
08 71 11 00-2396		**Electric Strikes** *(08 71 11 00-2249)*		
08 71 11 00-2397	EA	12/24 Volt DC, Fail Safe/Fail Secure, Aluminum/Steel Body Electric Strike (Von Duprin 5100)	261.06	46.45
08 71 11 00-2398	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6111) Note: For rim mounted lock	732.34	46.45
08 71 11 00-2399	EA	12/24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6112) Note: For rim mounted lock	700.45	46.45
08 71 11 00-2400	EA	24 Volt DC, Fail Secure, Stainless Steel Body Electric Strike (Von Duprin 6211) Note: For mortise or cylindrical locks	543.76	46.45
08 71 11 00-2401	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6212) Note: For mortise or cylindrical locks	735.74	46.45
08 71 11 00-2402	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6213) Note: For mortise or cylindrical locks	721.90	46.45
08 71 11 00-2403	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6214) Note: For mortise or cylindrical locks	785.74	46.45
08 71 11 00-2404	EA	24 Volt DC, Fail Secure, Dual Monitor Switch, Stainless Steel Body Electric Strike (Von Duprin 6215) Note: For mortise or cylindrical locks	732.92	46.45
08 71 11 00-2405	EA	12/24 Volt DC, 3,070 LB Static Strength, Stainless Steel Body, Dual Voltage Electric Strike (HES 1006)	456.49	46.45
08 71 11 00-2406	EA	12/24 Volt DC, 3,000 LB Static Strength, Stainless Steel Body, Fire Rated Electric Strike (HES 4500)	453.91	46.45
08 71 11 00-2407	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Low Profile Electric Strike (HES 5000)	231.59	46.45
08 71 11 00-2408	EA	12/24 Volt DC, 1,500 LB Static Strength, Steel Body, Adjustable Electric Strike (HES 5200)	231.59	46.45
08 71 11 00-2409	EA	12/24 Volt DC, 1,500 LB Static Strength, Cylindrical Or Rim Exit Device, Stainless Steel Body, Electric Strike With Preload (HES 7000)	291.98	46.45

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2410	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Cylindrical Lock Electric Strike (HES 7500)	505.54	46.45
08 71 11 00-2411	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Compact Concealed Electric Strike (HES 8000)	259.56	46.45
08 71 11 00-2412	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Fire Rated Compact Concealed Electric Strike (HES 8300)	466.10	46.45
08 71 11 00-2413	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body,Fire Rated Concealed Electric Strike (HES 8500)	414.03	46.45
08 71 11 00-2414	EA	12/24 Volt DC, 1,500 LB Static Strength, Stainless Steel Body, Slim Line Surface Mounted Electric Strike (HES 9400)	494.17	61.32
08 71 11 00-2415	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Fire Rated Surface Mounted Electric Strike (HES 9500)	559.10	61.32
08 71 11 00-2416	EA	12/24 Volt DC, 1,500 LB Static Strength, Rim Exit Device, Stainless Steel Body, Surface Mounted Electric Strike (HES 9600)	494.51	61.32

08 71 11 00-2417 Electric Hardware *(08 71 11 00-2249)*

08 71 11 00-2418	EA	Electrified Cylindrical Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	139.86	
08 71 11 00-2419	EA	Electrified Mortise Lock Option Note: Excludes the lock. This task is used in conjunction with other locks in the CTC to electrify the lock.	161.56	
08 71 11 00-2420	EA	24" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	87.46	23.22
08 71 11 00-2421	EA	1 Ampere At 12/24 Volt DC, Door Hardware Power Supply	267.82	23.22
08 71 11 00-2422	EA	3 Amperes At 12 Volt DC, 2 Amperes At 24 Volt DC, Door Hardware Power Supply	461.18	23.22
08 71 11 00-2423	EA	4-1/2 Amperes At 12 Volt DC, 3 Amperes At 24 Volt DC, Door Hardware Power Supply	703.59	23.22
08 71 11 00-2424	EA	6 Amperes At 12 Volt DC, 4 Amperes At 24 Volt DC, Door Hardware Power Supply	777.11	23.22
08 71 11 00-2425	EA	9 Amperes At 12 Volt DC, 6 Amperes At 24 Volt DC, Door Hardware Power Supply	927.07	23.22
08 71 11 00-2426	EA	15 Amperes At 12 Volt DC, 10 Amperes At 24 Volt DC, Door Hardware Power Supply	1,123.26	23.22
08 71 11 00-2427	EA	18" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	74.82	23.22
08 71 11 00-2428	EA	24" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	76.31	23.22
08 71 11 00-2429	EA	30" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	85.46	23.22
08 71 11 00-2430	EA	45" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	87.27	23.22
08 71 11 00-2431	EA	60" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	88.19	23.22
08 71 11 00-2432	EA	72" Long, 1/4" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	93.44	23.22
08 71 11 00-2433	EA	12" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	75.77	23.22
08 71 11 00-2434	EA	18" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	83.10	23.22
08 71 11 00-2435	EA	36" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	88.90	23.22
08 71 11 00-2436	EA	49" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	98.93	23.22
08 71 11 00-2437	EA	60" Long, 3/8" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	101.71	23.22
08 71 11 00-2438	EA	12" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	84.93	23.22
08 71 11 00-2439	EA	18" Long, 1/2" Flexible Aluminum Conduit, Armored Power Transfer Door Loop	95.19	23.22
08 71 11 00-2440	EA	18" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	60.56	23.22
08 71 11 00-2441	EA	24" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	68.49	23.22
08 71 11 00-2442	EA	30" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	72.69	23.22
08 71 11 00-2443	EA	36" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	77.18	23.22
08 71 11 00-2444	EA	60" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	100.56	23.22
08 71 11 00-2445	EA	72" Long, 1/4" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	110.33	23.22
08 71 11 00-2446	EA	12" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	63.80	23.22
08 71 11 00-2447	EA	18" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	66.86	23.22
08 71 11 00-2448	EA	24" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	75.97	23.22
08 71 11 00-2449	EA	36" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	90.48	23.22
08 71 11 00-2450	EA	48" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	103.45	23.22
08 71 11 00-2451	EA	60" Long, 3/8" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	124.75	23.22
08 71 11 00-2452	EA	12" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	68.90	23.22
08 71 11 00-2453	EA	18" Long, 1/2" Flexible Conduit, Stainless Steel Armored Power Transfer Door Loop	73.59	23.22
08 71 11 00-2454	EA	Two 18 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	480.05	23.22
08 71 11 00-2455	EA	Ten 24 Gauge Wire, Door Frame To Edge Of Door Electrical Power Transfer	524.20	32.52

08 71 11 00-2456 Magnetic Locks *(08 71 11 00-2249)*

08 71 11 00-2457	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40)	581.26	111.48
08 71 11 00-2458	EA	Electromagnetic Lock, 500 lb. Holding Force, Stainless Steel (Schlage 40TJ)	696.49	125.42
08 71 11 00-2459	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70)	677.72	111.48
08 71 11 00-2460	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Stainless Steel (Schlage 70TJ)	792.74	125.42
08 71 11 00-2461	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420)	709.76	120.78
08 71 11 00-2462	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450)	775.92	120.78
08 71 11 00-2463	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490)	827.41	120.78
08 71 11 00-2464	EA	Electromagnetic Lock, 500 lb. Holding Force, Aluminum (Schlage M420P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	909.74	139.35
08 71 11 00-2465	EA	Electromagnetic Lock, 1,000 lb. Holding Force, Aluminum (Schlage M450P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	997.68	139.35
08 71 11 00-2466	EA	Electromagnetic Lock, 1500 lb. Holding Force, Aluminum (Schlage M490P) Note: Includes magnetic bond sensor, door position switch and relock time delay.	1,037.29	139.35
08 71 11 00-2467	EA	2 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS902)	311.27	46.45
08 71 11 00-2468	EA	4 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS904)	508.84	46.45
08 71 11 00-2469	EA	6 Amperes Output Current, 12-24 Volt DC, 4 Relay with Fire Alarm (Schlage PS906)	611.51	46.45

08 71 11 00-2470 Door Coordinators *(08 71 11)*

08 71 11 00-2471	EA	32" Satin Chrome Finish, Door Coordinator (Ives COR 32" Series) Note: Satin chrome finish. Includes two mounting brackets.	354.27	29.03
		For Anodized Aluminum Finish, Deduct	*-95.26*	
08 71 11 00-2472	EA	42" Satin Chrome Finish, Door Coordinator (Ives COR 42" Series) Note: Satin chrome finish. Includes two mounting brackets.	371.93	30.19
		For Anodized Aluminum Finish, Deduct	*-100.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 71 11 00-2473	EA	52" Satin Chrome Finish, Door Coordinator (Ives COR 52" Series) Note: Satin chrome finish. Includes two mounting brackets.	380.96	31.36
		For Anodized Aluminum Finish, Deduct	*-102.22*	
08 71 11 00-2474	EA	60" Satin Chrome Finish, Door Coordinator (Ives COR 60" Series) Note: Satin chrome finish. Includes two mounting brackets.	397.45	32.52
		For Anodized Aluminum Finish, Deduct	*-106.95*	
08 71 11 00-2475	EA	72" Satin Chrome Finish, Door Coordinator (Ives COR 72" Series) Note: Satin chrome finish. Includes two mounting brackets.	425.61	33.68
		For Anodized Aluminum Finish, Deduct	*-116.36*	
08 71 11 00-2476	EA	Up To 20", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 20")	84.45	9.29
		For Anodized Aluminum Finish, Deduct	*-18.92*	
08 71 11 00-2477	EA	Up To 32", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 32")	93.11	10.46
		For Anodized Aluminum Finish, Deduct	*-20.52*	
08 71 11 00-2478	EA	Up To 44", Satin Chrome Finish, Filler Bar For Door Coordinator (Ives FL 44")	106.81	11.62
		For Anodized Aluminum Finish, Deduct	*-24.14*	
08 71 11 00-2479	EA	Satin Chrome Finish, Carry Bar For Door Coordinator (Ives CB1)	80.07	11.62
08 71 11 00-2480	EA	7" Projection COR Series Gravity Type Door Coordinator	118.45	17.42
		For Anodized Aluminum Finish, Deduct	*-19.51*	
08 71 11 00-2481	EA	9" Projection COR Series Gravity Type Door Coordinator	126.26	17.42
		For Anodized Aluminum Finish, Deduct	*-22.63*	

08 71 11 00-2482 Removal And Reinstallation Of Door Hardware *(08 71 11)*

Note: Includes storage and cleaning. Excludes removal of door where required. See CSI section 08 05 13 00-0050 for removal and reinstallation of door.

08 71 11 00-2483	EA	Removal And Reinstallation Of Door Lockset, Entrance	69.68	
08 71 11 00-2484	EA	Removal And Reinstallation Of Door Lockset, Mortise	111.48	
08 71 11 00-2485	EA	Removal And Reinstallation Of Deadbolt Lock	74.33	
08 71 11 00-2486	PR	Removal And Reinstallation Of Butts/Hinges	18.58	
08 71 11 00-2487	EA	Removal And Reinstallation Of Door Bumper	6.50	
08 71 11 00-2488	EA	Removal And Reinstallation Of Surface Mounted Panic Device	185.81	
08 71 11 00-2489	EA	Removal And Reinstallation Of Kick Plate	23.22	
08 71 11 00-2490	EA	Removal And Reinstallation Of Push Plate	18.57	
08 71 11 00-2491	EA	Removal And Reinstallation Of Surface Mounted Door Closer Or Holder	92.91	
08 71 11 00-2492	EA	Removal And Reinstallation Of Door Handles	13.94	

08 71 11 00-2493 Electromagnetic Door Release *(08 71 11)*

08 71 11 00-2494	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Surface Wiring, Electro-Magnetic Door Release	434.47	58.53
08 71 11 00-2495	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	424.77	58.53
08 71 11 00-2496	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Adjustable, Wall Mount, Recessed Wiring, Electro-Magnetic Door Release	473.69	58.53
08 71 11 00-2497	EA	24 Volt AC/DC, High Hold, Wall Mount, Surface Or Recessed Wiring, Electro-Magnetic Door Release	762.46	58.53
08 71 11 00-2498	EA	24 Volt DC, Sliding Door, Electro-Magnetic Door Release	736.71	58.53
08 71 11 00-2499	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Overhead Door, Electro-Magnetic Door Release	736.71	58.53
08 71 11 00-2500	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Single Door, Electro-Magnetic Door Release	673.73	58.53
08 71 11 00-2501	EA	120 Volt AC, 24 Volt AC/DC, 12 Volt DC, Floor Mount, Back-to-Back Door, Electro-Magnetic Door Release	832.97	58.53
08 71 11 00-2502	EA	Photo Electric Smoke Detector Suitable For Door Holder Release	799.54	58.53
08 71 11 00-2503	EA	Ionization Type Smoke Detector Suitable For Door Holder Release	978.67	58.53
08 71 11 00-2504	EA	Surface Wall Mount, Electromagnetic Door Holder (Sargent 1560) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	482.99	58.53
08 71 11 00-2505	EA	Flush Mount, Electromagnetic Door Holder (Sargent 1561) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	475.47	58.53
08 71 11 00-2506	EA	Floor Mount, Electromagnetic Door Holder (LCN SEM7820) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	710.76	58.53
08 71 11 00-2507	EA	Surface Wall Mount, Electromagnetic Door Holder (LCN SEM7830) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	507.06	58.53
08 71 11 00-2508	EA	Low Profile Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7840) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	507.06	58.53
08 71 11 00-2509	EA	Recessed Wall Mount, Electromagnetic Door Holder (LCN SEM7850) Note: 120 volt AC, 24 volt AC/DC, 12 volt DC	507.06	58.53

08 71 13 Automatic Door Operators *(08 71)*

08 71 13 00-0001 Automatic Door Operators (LCN) *(08 71 13)*

08 71 13 00-0002	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Pull Arm (LCN 9531) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,635.39
08 71 13 00-0003	EA	Automatic Door Operator, Surface Mount Americans With Disabilities Act Compliant Door Operator With Push Arm (LCN 9542) Note: Opens doors automatically for wheelchair access, and allows for manual operation for regular pedestrian traffic.	2,635.39

08 71 13 00-0004 Miscellaneous Devices *(08 71 13)*

08 71 13 00-0005	EA	Electric Power Transformer (Von Duprin EPT-2) For Magnetic Monitor Switches	369.20	34.84
08 71 13 00-0006	EA	Magnetic Monitor Switch, SS Finish (Von Duprin MS 764)	113.43	20.90
08 71 13 00-0007	EA	24 Volt AC, 3 Amperes, Transformer (Von Duprin PT 750)	142.08	20.90
08 71 13 00-0008	EA	Automatic Door Bottoms, Fully Mortise Cam Bottom Type To Fit 1-1/2" x 3/4" Mortise Channel At Door Bottom (National Guard Products 320S)	83.01	20.90

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 71 53 Security Door Hardware *(08 71)*

08 71 53 00-0001 Door Exit Alarm Hardware *(08 71 53)*

08 71 53 00-0002	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500)	258.67	34.84
08 71 53 00-0003	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-500W)	354.18	34.84
08 71 53 00-0004	EA	Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300)	299.46	34.84
		Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0005	EA	Weatherized Door Or Wall Mount Exit Alarm, Audible Alarm, 9 Volt Battery Back-up (Detex EAX-300W)	383.93	34.84
		Note: Door propped alarm for applications where doors may be used for egress or ingress, but may not be held or propped open. Door open times from 1 second to 4 minutes (15 second default) are field selectable.		
08 71 53 00-0006	EA	Wall Mount Exit Alarm, Audible Alarm, AC/DC (Detex EAX-2500)	447.72	46.45
08 71 53 00-0007	EA	Surface Mounted Magnetic Switch (Detex MS-1039S or MS-1059S)	79.88	46.45
		Note: For use with Detex EAX exit alarms.		

08 72 Weatherstripping, Thresholds and Seals *(08 70)*

08 72 33 Weatherstripping and Seals *(08 72)*

08 72 33 00-0001 Weather-Stripping And Seals *(08 72 33)*

08 72 33 00-0002 Astragals *(08 72 33 00-0001)*

Note: Astragal and meeting stile seals are used to seal the gap between a pair of doors.

08 72 33 00-0003 Adhesive Backed Astragals *(08 72 33 00-0002)*

08 72 33 00-0004	LF	7/16" Width, 9/32" Height, Edge Mount, Single Fin, Adhesive Backed Flexible Astragal (Pemko S771)	3.82	0.70
08 72 33 00-0005	LF	1/2" Width, 3/16" Height, Edge Mount, Double Fin, Adhesive Backed Flexible Astragal (Pemko S772)	4.25	0.70
08 72 33 00-0006	LF	1-1/8" Width, 3/16" Height, Mullion Mount, Adhesive Backed Mullion Gasketing (Pemko 5110)	3.27	0.70

08 72 33 00-0007 Overlapping Astragals *(08 72 33 00-0002)*

08 72 33 00-0008 Aluminum, Overlapping Astragals *(08 72 33 00-0007)*

08 72 33 00-0009	LF	2" Width, 1/8" Height, Clear Anodized Aluminum, Overlapping Astragal (Pemko 357C)	15.42	4.18
		For Color Anodized Finish, Add	*2.15*	

08 72 33 00-0010 Stainless Steel, Overlapping Astragals *(08 72 33 00-0007)*

08 72 33 00-0011	LF	2" Width, 1/8" Height, Stainless Steel, Overlapping Astragal (Pemko 357SS)	30.68	4.18

08 72 33 00-0012 "T" Astragals *(08 72 33 00-0002)*

08 72 33 00-0013 Aluminum, "T" Astragals *(08 72 33 00-0012)*

08 72 33 00-0014	LF	1" Width, 11/16" Height, Mill Aluminum, "T" Astragal (Pemko 359A)	10.19	4.18
		For Color Anodized Finish, Add	*0.68*	
08 72 33 00-0015	LF	Vinyl Insert, 3/4" Width, 1/4" Height, Mill Aluminum, "T" Astragal (Pemko 356AV)	12.70	4.18
		For Color Anodized Finish, Add	*0.89*	
08 72 33 00-0016	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 355CP)	13.09	4.18
		For Color Anodized Finish, Add	*1.69*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0017	LF	Neoprene Sponge Insert, 1-1/8" Width, 1/2" Height, Clear Anodized Aluminum, "T" Astragal (Pemko 352CR)	23.85	4.18
		For Color Anodized Finish, Add	*5.46*	

08 72 33 00-0018 Brass/Bronze, "T" Astragals *(08 72 33 00-0012)*

08 72 33 00-0019	LF	Vinyl Or Pile Insert, 1-3/8" Width, 1/4" Height, Brass/Bronze, "T" Astragal (Pemko 355BP)	62.07	4.18
		For Silicone Insert, Add	*0.63*	

08 72 33 00-0020 Locking Astragals *(08 72 33 00-0002)*

08 72 33 00-0021 Outswing Locking Astragals *(08 72 33 00-0020)*

Note: Includes two units. A housing containing the locking bolt which fastens to the inactive leaf and a "T" astragal with a seal that fastens to the active leaf.

08 72 33 00-0022 Aluminum, Outswing Locking Astragals *(08 72 33 00-0021)*

08 72 33 00-0023	LF	Slide Bolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3443CS)	31.77	4.18
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*4.70*	
08 72 33 00-0024	LF	Locking Springbolt, 1-1/4" Width, 3/8" Height, Clear Anodized Aluminum, Slimline Style, Outswing Locking Astragal (Pemko 3444CS)	36.80	4.18
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Color Anodized Finish, Add	*5.71*	
08 72 33 00-0025	LF	Slide Bolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3445BDQ)	35.58	4.18
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*1.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0026	LF	Locking Springbolt, 1-13/32" Width, 11/16" Height, Gold Anodized Aluminum, Colonial Style, Outswing Locking Astragal (Pemko 3446BDGQ)	39.68	4.18
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Thermal Break, Add	*1.89*	

08 72 33 00-0027 Inswing Locking Astragals *(08 72 33 00-0020)*

Note: Includes one unit containing the locking bolt and astragal with seal, which fastens to the inactive leaf.

08 72 33 00-0028 Wood, Inswing Locking Astragals *(08 72 33 00-0027)*

08 72 33 00-0029	LF	Flush Bolt, 1-1/4" Width, 1/2" Height, Wood, Inswing Locking Astragal (Pemko 34832)	37.12	4.18
08 72 33 00-0030	LF	Flush Bolt, 1-1/4" Width, 1-3/16" Height, Wood, Inswing Locking Astragal (Pemko 3481Q)	36.93	4.18
		Note: Includes kerf-in foam seal.		

08 72 33 00-0031 Aluminum, Inswing Locking Astragals *(08 72 33 00-0027)*

08 72 33 00-0032	LF	Slide Bolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3493CV)	21.21	4.18
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.59*	
08 72 33 00-0033	LF	Locking Springbolt, 1-3/8" Width, 9/32" Height, Clear Anodized Aluminum, Slimline Style, Inswing Locking Astragal (Pemko 3494CV)	25.42	4.18
		Note: Includes pile seal at inner door edge and neoprene bottom seal.		
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*3.43*	
08 72 33 00-0034	LF	Slide Bolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3495CQ)	22.80	4.18
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*2.91*	
08 72 33 00-0035	LF	Locking Springbolt, 1-13/32" Width, 3/4" Height, Clear Anodized Aluminum, Colonial Style, Inswing Locking Astragal (Pemko 3496CQ)	26.97	4.18
		Note: Includes pile seal at inner door edge and kerf-in foam bottom seal.		
		For Magnetic Kerf-In Insert, Add	*0.47*	
		For Color Anodized Finish, Add	*3.74*	

08 72 33 00-0036 Security Astragals *(08 72 33 00-0002)*

08 72 33 00-0037	LF	Vinyl Seal, 1/2" Thick Cam, 1-3/4" Width, Clear Anodized Aluminum, Security Astragal (Pemko 378C)	19.80	4.18
		For Color Anodized Finish, Add	*11.54*	
08 72 33 00-0038	LF	2-1/4" Width, 10 Gauge Galvanized Steel, Offset Security Bar, Security Astragal (Pemko 3572SP)	33.06	4.18

08 72 33 00-0039 Meeting Stile Astragals *(08 72 33 00-0002)*

08 72 33 00-0040 One Piece, Meeting Stile Astragals *(08 72 33 00-0039)*

Note: Includes an astragal for one door only.

08 72 33 00-0041	LF	1/4" Vinyl Or Pile Insert, 5/32" Width, 13/32" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 369AP)	12.55	4.18
		For Color Anodized Finish, Add	*1.29*	
08 72 33 00-0042	LF	1/4" Neoprene Loop Insert, 7/16" Width, 3/4" Height, Surface/Mortise Mount, Mill Aluminum, One Piece, Meeting Stile Astragal (Pemko 313AN)	19.56	6.22
		For Color Anodized Finish, Add	*2.86*	
08 72 33 00-0043	LF	9/16" Neoprene Loop Insert, 3/4" Width, 1-3/8" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 314CN)	25.78	6.22
		For Color Anodized Finish, Add	*1.34*	
08 72 33 00-0044	LF	15/16" Neoprene Loop Insert, 1-1/8" Width, 1-3/4" Height, Surface/Mortise Mount, Clear Anodized Aluminum, One Piece, Meeting Stile Astragal (Pemko 358CN)	26.59	6.22
		For Color Anodized Finish, Add	*3.55*	
08 72 33 00-0045	LF	1/8" Width, 1-1/2" Height, Side Mount, Spring Bronze, One Piece, Meeting Stile Astragal (Pemko B71)	36.67	6.22

08 72 33 00-0046 Two Piece, Meeting Stile Split Astragals *(08 72 33 00-0039)*

Note: Includes one astragal for each door.

08 72 33 00-0047	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 297AV)	15.69	6.22
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*3.29*	
08 72 33 00-0048	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 316AV)	15.69	6.22
		For Color Anodized Finish, Add	*3.29*	
08 72 33 00-0049	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Face Mount, Mill Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 303AV)	15.69	6.22
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*3.29*	
08 72 33 00-0050	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 305CN)	24.42	6.22
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*2.40*	
08 72 33 00-0051	LF	3/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18041CNB)	20.13	6.22
		For Color Anodized Finish, Add	*3.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0052	LF	5/8" Brush Insert, 3/4" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals (Pemko 18061CNB)	20.70	6.22
		For Color Anodized Finish, Add	*3.32*	
08 72 33 00-0053	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29310CV)	25.00	6.22
		For Color Anodized Finish, Add	*6.30*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0054	LF	3/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29324CNB)	25.57	6.22
		For Color Anodized Finish, Add	*5.27*	
08 72 33 00-0055	LF	5/8" Brush Insert, 7/8" Width, 1/4" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Split Astragals With Concealed Fasteners (Pemko 29326CNB)	26.14	6.22
		For Color Anodized Finish, Add	*5.50*	

08 72 33 00-0056 Two Piece, Adjustable Meeting Stile Split Astragals *(08 72 33 00-0039)*

Note: Includes one astragal for each door.

08 72 33 00-0057 Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*

08 72 33 00-0058	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354CP)	46.47	6.22
		For Color Anodized Finish, Add	*8.52*	
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0059	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Clear Anodized Aluminum, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351CP)	47.37	6.22
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*6.99*	

08 72 33 00-0060 Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals *(08 72 33 00-0056)*

08 72 33 00-0061	LF	3/8" Vinyl Or Pile Insert, 21/32" Width, 9/16" Height, Mortise Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 354BP)	194.66	6.22
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0062	LF	3/8" Vinyl Or Pile Insert, 1" Width, 9/16" Height, Face Mount, Brass/Bronze, Two Piece, Meeting Stile Adjustable Split Astragals (Pemko 351BP)	181.91	6.22
		For Silicone Insert, Add	*0.63*	

08 72 33 00-0063 Door Sweeps *(08 72 33 00-0001)*

08 72 33 00-0064 Tack On Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0065	LF	For Sealing Up To 3/4" Gap, Side Mount, Vinyl Tack On Door Sweep (Pemko V365)	5.66	2.32
08 72 33 00-0066	LF	For Sealing Up To 5/8" Gap, Bottom Mount, Rubber Tack On Door Sweep (Pemko R364)	5.74	2.32
08 72 33 00-0067	LF	For Sealing Up To 1-3/8" Gap, Bottom Mount, Vinyl Tack On Door Sweep (Pemko P361V)	6.00	2.32

08 72 33 00-0068 Aluminum Retainer Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0069 35 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer mounts to the door face with the sweep positioned 35 degrees from the door. Includes clear anodized finish.

08 72 33 00-0070	LF	5/16" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35041CNB)	13.43	4.65
		For Color Anodized Finish, Add	*1.66*	
08 72 33 00-0071	LF	1/2" Brush Insert, 35 Degree, Aluminum Retainer Door Sweep (Pemko 35061CNB)	13.86	4.65
		For Color Anodized Finish, Add	*1.60*	

08 72 33 00-0072 45 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer mounts to the door face with the sweep positioned 45 degrees from the door. Includes clear anodized finish.

08 72 33 00-0073	LF	1-3/4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45175CNB)	20.73	4.65
		For Color Anodized Finish, Add	*4.58*	
08 72 33 00-0074	LF	2-1/2" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45250CNB)	22.45	4.65
		For Color Anodized Finish, Add	*5.27*	
08 72 33 00-0075	LF	4" Brush Insert, 45 Degree, Aluminum Retainer Door Sweep (Pemko 45400CNB)	26.17	4.65
		For Color Anodized Finish, Add	*6.76*	

08 72 33 00-0076 90 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.

08 72 33 00-0077	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90041CNB)	14.86	4.65
		For Color Anodized Finish, Add	*0.56*	
08 72 33 00-0078	LF	5/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90062CNB)	14.72	4.65
		For Color Anodized Finish, Add	*0.54*	
08 72 33 00-0079	LF	1" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90100CNB)	15.72	4.65
		For Color Anodized Finish, Add	*2.25*	
08 72 33 00-0080	LF	1-3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 90137CNB)	16.15	4.65
		For Color Anodized Finish, Add	*2.75*	
08 72 33 00-0081	LF	7/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 315CN)	14.43	4.65
		For Color Anodized Finish, Add	*1.29*	
08 72 33 00-0082	LF	11/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 368CN)	18.44	4.65
		For Color Anodized Finish, Add	*1.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0083	LF	15/16" Neoprene Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 321CN)	15.29	4.65
		For Color Anodized Finish, Add	*1.20*	
08 72 33 00-0084	LF	9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 308AV) Note: Includes mill finish.	11.53	4.65
		For Color Anodized Finish, Add	*1.13*	
08 72 33 00-0085	LF	1" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 307AV) Note: Includes mill finish.	11.64	4.65
		For Color Anodized Finish, Add	*1.18*	
08 72 33 00-0086	LF	1-9/16" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 56AV) Note: Includes mill finish.	12.86	4.65
		For Color Anodized Finish, Add	*1.25*	

08 72 33 00-0087 180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer mounts to the door face with the sweep positioned perpendicular to the threshold. Includes clear anodized finish.

08 72 33 00-0088 180 Degree, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*

08 72 33 00-0089	LF	3/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18041CNB)	13.15	4.65
		For Color Anodized Finish, Add	*1.55*	
08 72 33 00-0090	LF	5/8" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18061CNB)	13.43	4.65
		For Color Anodized Finish, Add	*1.66*	
08 72 33 00-0091	LF	1" Brush Insert, 180 Degree, Aluminum Retainer Door Sweep (Pemko 18100CNB)	15.72	4.65
		For Color Anodized Finish, Add	*2.25*	

08 72 33 00-0092 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweeps *(08 72 33 00-0087)*

08 72 33 00-0093	LF	3/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29324CNB)	15.87	4.65
		For Color Anodized Finish, Add	*2.64*	
08 72 33 00-0094	LF	5/8" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 29326CNB)	16.15	4.65
		For Color Anodized Finish, Add	*2.75*	
08 72 33 00-0095	LF	1" Brush Insert, 180 Degree, Concealed Fastener, Aluminum Retainer Door Sweep (Pemko 293100CNB)	17.36	4.65
		For Color Anodized Finish, Add	*3.23*	

08 72 33 00-0096 Mortised, Aluminum Retainer Door Sweeps *(08 72 33 00-0068)*

Note: The retainer is mortised into the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish. Excludes mortising.

08 72 33 00-0097	LF	1/4" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5025ASB)	11.86	4.65
08 72 33 00-0098	LF	13/32" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5041ANB)	11.86	4.65
08 72 33 00-0099	LF	5/8" Brush Insert, Mortised, Aluminum Retainer Door Sweep (Pemko 5061ANB)	12.00	4.65

08 72 33 00-0100 Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0063)*

08 72 33 00-0101 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip *(08 72 33 00-0100)*

Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold. Includes mill finish.

08 72 33 00-0102	LF	1/4" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 3452AV)	11.57	4.65
		For Color Anodized Finish, Add	*1.60*	
08 72 33 00-0103	LF	1/2" Vinyl Insert, 90 Degree, Aluminum Retainer Door Sweep (Pemko 345AV)	13.43	4.65
		For Color Anodized Finish, Add	*1.66*	
08 72 33 00-0104	LF	3/8" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 3452CNB) Note: Includes clear anodized finish.	14.83	4.65
		For Color Anodized Finish, Add	*1.11*	
08 72 33 00-0105	LF	7/16" Brush Insert, 90 Degree, Aluminum Retainer Door Sweeps With Rain Drip (Pemko 345ANB)	15.08	4.65
		For Color Anodized Finish, Add	*1.16*	

08 72 33 00-0106 Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0107 90 Degree, Brass/Bronze Retainer Door Sweeps *(08 72 33 00-0106)*

Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.

08 72 33 00-0108	LF	7/16" Neoprene Insert, 90 Degree, Brass/Bronze Retainer Door Sweep (Pemko 315BN)	17.87	4.65

08 72 33 00-0109 Oak Retainer Door Sweeps *(08 72 33 00-0063)*

08 72 33 00-0110 90 Degree, Oak Retainer Door Sweeps *(08 72 33 00-0109)*

Note: The retainer mounts to the door bottom with the sweep positioned perpendicular to the threshold.

08 72 33 00-0111	LF	9/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18062WNB)	14.58	4.65
08 72 33 00-0112	LF	15/16" Brush Insert, 90 Degree, Oak Retainer Door Sweep (Pemko 18100WNB)	16.84	4.65

08 72 33 00-0113 Door Shoes And Bottoms *(08 72 33 00-0001)*

08 72 33 00-0114 Door Shoes *(08 72 33 00-0113)*

08 72 33 00-0115 Aluminum Retainer Door Shoes *(08 72 33 00-0114)*

08 72 33 00-0116 Bottom Mount, Aluminum Retainer Door Shoes *(08 72 33 00-0115)*

08 72 33 00-0117	LF	Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 234AV)	12.72	4.65
		For Color Anodized Finish, Add	*1.38*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0118	LF	Vinyl Insert, 1-3/8" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 209AV)	13.15	4.65
		For Color Anodized Finish, Add	*1.55*	
08 72 33 00-0119	LF	Notched Vinyl Insert, 1-3/16" Width, Bottom Mount, Aluminum Retainer Door Shoe (Pemko 2343AV)	17.30	4.65
		For Color Anodized Finish, Add	*1.60*	
08 72 33 00-0120		**Side Mount, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0121	LF	Vinyl Insert, 1-3/4" Width, Side Mount, Aluminum Retainers Door Shoe (Pemko 318AV)	14.58	4.65
		For Color Anodized Finish, Add	*2.12*	
		For Thermo-Plastic Elastomer Insert, Add	*0.68*	
08 72 33 00-0122		**L Or U Shaped, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0123	LF	Vinyl Insert, 1-1/4" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 211AV)	13.43	4.65
		For Color Anodized Finish, Add	*2.08*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0124	LF	Vinyl Insert, 1-3/8" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 220AV)	14.29	4.65
		For Color Anodized Finish, Add	*2.00*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0125	LF	Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 217AV)	14.58	4.65
		For Color Anodized Finish, Add	*2.12*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0126	LF	Notched Vinyl Insert, 1-5/16" Width, L-Shaped, Aluminum Retainer Door Shoe (Pemko 2113AV)	20.40	4.65
		For Color Anodized Finish, Add	*2.22*	
08 72 33 00-0127	LF	Notched Vinyl Insert, 1-3/4" Width, U-Shaped, Aluminum Retainer Door Shoe (Pemko 2173AV)	20.68	4.65
		For Color Anodized Finish, Add	*2.28*	
08 72 33 00-0128		**L Or U Shaped With Rain Drip, Aluminum Retainer Door Shoes** *(08 72 33 00-0115)*		
08 72 33 00-0129	LF	Vinyl Insert, 1-1/4" Width, L-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 210AV)	13.72	4.65
		For Color Anodized Finish, Add	*2.22*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0130	LF	Vinyl Insert, 1-3/8" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 215AV)	14.58	4.65
		For Color Anodized Finish, Add	*2.12*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0131	LF	Vinyl Insert, 1-3/4" Width, U-Shaped With Rain Drip, Aluminum Retainer Door Shoe (Pemko 216AV)	14.72	4.65
		For Color Anodized Finish, Add	*2.18*	
		For Thermo-Plastic Elastomer Insert, Add	*0.42*	
08 72 33 00-0132		**Vinyl Door Shoes** *(08 72 33 00-0114)*		
08 72 33 00-0133	LF	1-3/4" Width, L-Shaped, Vinyl Door Shoe (Pemko V80)	16.52	4.65
08 72 33 00-0134	LF	1-3/4" Width, U-Shaped, Vinyl Door Shoe (Pemko 2170DV)	19.78	4.65
08 72 33 00-0135		**Door Bottoms** *(08 72 33 00-0113)*		
08 72 33 00-0136		**Automatic Door Bottoms** *(08 72 33 00-0135)*		
08 72 33 00-0137		**Aluminum Automatic Door Bottoms** *(08 72 33 00-0136)*		
08 72 33 00-0138	LF	Sponge Neoprene Insert, 9/16" Width, 1-7/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4131CRL)	28.13	4.65
		For Color Anodized Finish, Add	*3.77*	
08 72 33 00-0139	LF	Sponge Neoprene Insert, 31/32" Width, 2-1/8" Height, Surface/Mortise Mount, Aluminum Retainer, Automatic Door Bottom (Pemko 4301CRL)	39.93	4.65
		For Color Anodized Finish, Add	*6.13*	
08 72 33 00-0140		**Door Top Protection** *(08 72 33 00-0001)*		
08 72 33 00-0141	LF	Aluminum, Door Top Cover For 1-3/8" Wood Doors (Pemko PA343)	10.57	3.72
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*0.86*	
08 72 33 00-0142	LF	Aluminum, Door Top Cover For 1-3/4" Wood Doors (Pemko PA344)	10.57	3.72
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*0.86*	
08 72 33 00-0143	LF	2-1/2" Aluminum Overhead Rain Drip With Slotted Holes (Pemko 346C)	14.49	3.72
		For Dark Bronze Or Gold Anodized Aluminum Or Painted White, Add	*1.93*	
08 72 33 00-0144	EA	For 20 Oz Copper Drip Cap For Exterior Door	60.13	
08 72 33 00-0145		**Perimeter Gasketing Weather-Strip** *(08 72 33 00-0001)*		
		Note: Perimeter gasketing is used to seal the gap around the top and the two sides of a door assembly.		
08 72 33 00-0146		**Adhesive Backed Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0147	LF	3/8" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK33)	3.33	2.32
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0148	LF	1/2" x 3/16", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko PK55)	3.37	2.32
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0149	LF	1/2" x 1/4", Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S88)	4.28	2.32
08 72 33 00-0150	LF	7/16" x 5/16", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S44)	3.64	2.32
08 72 33 00-0151	LF	5/16" x 1/2", Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S77)	4.75	2.32
		For Intumescent Seal, Add	*1.50*	
08 72 33 00-0152	LF	1/2" x 3/8", Silicone Triple Fin, Hospitality, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko S773)	4.42	2.32
		For Intumescent Seal, Add	*1.50*	

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08 72 33 00-0153	LF	7/16" x 5/16", Intumescent And Silicone Single Fin, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS44)	5.80	2.32
08 72 33 00-0154	LF	1/2" x 1/4", Intumescent And Silicon Compression Bulb, Adhesive Backed Perimeter Gasketing Weather-Strip (Pemko HSS2000xS88)	5.37	2.32
08 72 33 00-0155		**Kerf-In Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0156	LF	3/8" x 1/4" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko P50)	2.99	2.32
08 72 33 00-0157	LF	7/16" x 3/8" Silicone Bulb, Kerf-In Perimeter Gasketing Weather-Strip (Pemko S52)	4.39	2.32
08 72 33 00-0158	LF	3/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q103)	3.33	2.32
08 72 33 00-0159	LF	5/8" Foam, Kerf-In Perimeter Gasketing Weather-Strip (Pemko Q102)	3.29	2.32
08 72 33 00-0160	LF	3/8" Magnetic, Kerf-In Perimeter Gasketing Weather-Strip (Pemko MAG349)	4.24	2.32
08 72 33 00-0161		**Cushion/Spring Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0162		**Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0161)*		
08 72 33 00-0163	LF	1-1/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70C)	8.13	2.32
08 72 33 00-0164	LF	1-1/4" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70D)	8.13	2.32
08 72 33 00-0165	LF	1-3/8" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70E)	8.83	2.32
08 72 33 00-0166	LF	1-1/2" Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B70F)	8.97	2.32
08 72 33 00-0167		**Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip** *(08 72 33 00-0161)*		
08 72 33 00-0168	LF	5/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B73)	7.75	2.32
08 72 33 00-0169	LF	7/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B74)	8.83	2.32
08 72 33 00-0170	LF	1-1/8" Cushion "V", Spring Bronze Perimeter Gasketing Weather-Strip (Pemko B75)	10.00	2.32
08 72 33 00-0171		**Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0172		**Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0171)*		
08 72 33 00-0173	LF	1/4" Vinyl Insert, 13/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 297AV)	6.30	2.32
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*1.65*	
08 72 33 00-0174	LF	1/4" Vinyl Insert, 11/16" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 316AV)	6.30	2.32
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*1.65*	
08 72 33 00-0175	LF	1/4" Vinyl Insert, 7/8" Width, 1/4" Height, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 303AV)	6.30	2.32
		For Silicone Insert, Add	*0.95*	
		For Color Anodized Finish, Add	*1.65*	
08 72 33 00-0176	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 305CN)	10.66	2.32
		For Silicone Insert, Add	*0.63*	
		For Color Anodized Finish, Add	*1.20*	
08 72 33 00-0177	LF	3/16" Vinyl Or Pile Insert, 3/4" Width, 3/8" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip With Concealed Fasteners (Pemko 29310CV)	10.95	2.32
		For Color Anodized Finish, Add	*3.15*	
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0178	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Clear Anodized Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 375CR)	10.95	2.32
		For Color Anodized Finish, Add	*2.21*	
08 72 33 00-0179		**Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0171)*		
08 72 33 00-0180		**Standard Jamb, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0179)*		
08 72 33 00-0181	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 290AV)	10.45	2.32
		For Silicone Insert, Add	*0.95*	
08 72 33 00-0182		**Head Section, Heavy Duty, Aluminum Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0179)*		
08 72 33 00-0183	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Head Section, Heavy Duty, Mill Aluminum Retainer, Perimeter Gasketing Weather-Strip (Pemko 2891AV)	11.58	2.32
08 72 33 00-0184		**Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0145)*		
08 72 33 00-0185		**Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip** *(08 72 33 00-0184)*		
08 72 33 00-0186	LF	3/8" Neoprene Insert, 7/8" Width, 3/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 305BR)	25.54	2.32
		For Silicone Insert, Add	*1.58*	
08 72 33 00-0187	LF	Neoprene Sponge Insert, 1-5/8" Width, 7/16" Height, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 375BR)	44.26	2.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 33 00-0188		Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0184)*		
08 72 33 00-0189		Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0188)*		
08 72 33 00-0190	LF	1/4" Vinyl Insert, 1-1/2" Width, 1/4" Height, Standard Jamb, Heavy Duty, Brass/Bronze Retainer, Perimeter Gasketing Weather-Strip (Pemko 290BV)	38.03	2.32
		For Silicone Insert, Add	*0.63*	
08 72 33 00-0191		Aluminum Interlock, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)*		
08 72 33 00-0192	LF	Side Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 335AR, 336A) Note: For weather-stripping latch or hinge side of door. Includes aluminum interlocking devices for door and door frame.	15.21	4.65
		For Color Anodized Finish, Add	*2.37*	
08 72 33 00-0193	LF	Top Mount, Mill Aluminum, Interlock Perimeter Gasketing Weather-Strip (Pemko 347A, 68AR) Note: For weather-stripping the top of doors. Includes rain drip shield and aluminum interlocking devices for door and door frame.	15.71	4.65
		For Color Anodized Finish, Add	*2.57*	
08 72 33 00-0194		Adjustable Aluminum Retainer, Perimeter Gasketing Weather-Strip *(08 72 33 00-0145)* Note: Seals gaps from 1/16" to 1/4".		
08 72 33 00-0195	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Stop Gasketing Weather-Strip (Pemko 350CSR)	18.76	2.32
		For Color Anodized Finish, Add	*2.82*	
08 72 33 00-0196	LF	Sponge Neoprene Insert, 7/8" Width, 1-3/8" Height, Adjustable, Clear Anodized Aluminum Retainer, Jamb Gasketing Weather-Strip (Pemko 350CR)	19.76	2.32
		For Color Anodized Finish, Add	*3.02*	
08 72 43		**Thresholds** *(08 72)*		
08 72 43 00-0001		Thresholds *(08 72 43)* Note: Includes material, fasteners, installation, caulk and sealants.		
08 72 43 00-0002		Metal Thresholds *(08 72 43 00-0001)*		
08 72 43 00-0003		Saddle Thresholds *(08 72 43 00-0002)*		
08 72 43 00-0004		Aluminum Saddle Thresholds *(08 72 43 00-0003)* Note: Includes mill finish.		
08 72 43 00-0005		3/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0006	LF	2-1/4" Width, 3/16" Height, Aluminum Saddle Threshold (Pemko 173A)	24.01	7.43
		For Color Anodized Finish, Add	*2.18*	
08 72 43 00-0007		1/4" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0008	LF	3" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 151A)	26.44	7.43
		For Color Anodized Finish, Add	*3.15*	
08 72 43 00-0009	LF	4" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 270A)	30.94	9.28
		For Color Anodized Finish, Add	*5.41*	
08 72 43 00-0010	LF	5" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 271A)	33.67	9.28
		For Color Anodized Finish, Add	*5.23*	
08 72 43 00-0011	LF	6" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 272A)	36.95	9.28
		For Color Anodized Finish, Add	*4.81*	
08 72 43 00-0012	LF	7" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 276A)	41.82	9.28
		For Color Anodized Finish, Add	*4.65*	
08 72 43 00-0013	LF	8" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2748A)	50.19	11.15
		For Color Anodized Finish, Add	*5.58*	
08 72 43 00-0014	LF	9" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2749A)	53.48	11.15
		For Color Anodized Finish, Add	*6.41*	
08 72 43 00-0015	LF	10" Width, 1/4" Height, Aluminum Saddle Threshold (Pemko 2750A)	58.73	11.15
		For Color Anodized Finish, Add	*7.72*	
08 72 43 00-0016		5/16" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0017	LF	2-1/2" Width, 5/16" Height, Aluminum Saddle Threshold (Pemko 166A)	26.01	7.43
		For Color Anodized Finish, Add	*2.60*	
08 72 43 00-0018		1/2" Height, Aluminum Saddle Thresholds *(08 72 43 00-0004)*		
08 72 43 00-0019	LF	3" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 169A)	26.16	7.43
		For Color Anodized Finish, Add	*3.80*	
08 72 43 00-0020	LF	4" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 170A)	32.09	9.28
		For Color Anodized Finish, Add	*6.22*	
08 72 43 00-0021	LF	5" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 171A)	34.88	9.28
		For Color Anodized Finish, Add	*5.84*	
08 72 43 00-0022	LF	6" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 172A)	37.24	9.28
		For Color Anodized Finish, Add	*4.91*	
08 72 43 00-0023	LF	7" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 176A)	41.82	9.28
		For Color Anodized Finish, Add	*4.65*	

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08 72 43 00-0024	LF	8" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2548A)	51.91	11.15
		For Color Anodized Finish, Add	*8.42*	
08 72 43 00-0025	LF	9" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2549A)	54.92	11.15
		For Color Anodized Finish, Add	*10.82*	
08 72 43 00-0026	LF	10" Width, 1/2" Height, Aluminum Saddle Threshold (Pemko 2550A)	57.92	11.15
		For Color Anodized Finish, Add	*12.02*	
08 72 43 00-0027		**Brass/Bronze Saddle Thresholds** *(08 72 43 00-0003)*		
08 72 43 00-0028		**3/16" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0029	LF	2-1/4" Width, 3/16" Height, Brass/Bronze Saddle Threshold (Pemko 173B)	75.39	7.43
08 72 43 00-0030		**1/4" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0031	LF	3" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 151B)	118.85	7.43
08 72 43 00-0032	LF	4" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 270B)	143.54	9.28
08 72 43 00-0033	LF	5" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 271B)	173.62	9.28
08 72 43 00-0034	LF	6" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 272B)	202.87	9.28
08 72 43 00-0035	LF	7" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 276B)	236.29	9.28
08 72 43 00-0036	LF	8" Width, 1/4" Height, Brass/Bronze Saddle Threshold (Pemko 274X4B)	303.62	11.15
08 72 43 00-0037		**1/2" Height, Brass/Bronze Saddle Thresholds** *(08 72 43 00-0027)*		
08 72 43 00-0038	LF	4" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 170B)	156.91	9.28
08 72 43 00-0039	LF	5" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 171B)	190.34	9.28
08 72 43 00-0040	LF	6" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 172B)	223.76	9.28
08 72 43 00-0041	LF	7" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 176B)	265.54	9.28
08 72 43 00-0042	LF	8" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 254X4B)	377.43	11.15
08 72 43 00-0043	LF	10" Width, 1/2" Height, Brass/Bronze Saddle Threshold (Pemko 255X5B)	358.27	11.15
08 72 43 00-0044		**Stainless Steel Saddle Thresholds** *(08 72 43 00-0003)*		
08 72 43 00-0045		**1/2" Height, Stainless Steel Saddle Thresholds** *(08 72 43 00-0044)*		
08 72 43 00-0046	LF	4" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 175SS)	131.84	9.28
08 72 43 00-0047	LF	5" Width, 1/2" Height, Stainless Steel Saddle Threshold (Pemko 154SS)	140.20	9.28
08 72 43 00-0048		**Half Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0049		**Aluminum Half Saddle Thresholds** *(08 72 43 00-0048)*		
		Note: Includes mill finish.		
08 72 43 00-0050		**3/4" Height, Aluminum Half Saddle Thresholds** *(08 72 43 00-0049)*		
08 72 43 00-0051	LF	5" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1875A)	37.57	9.28
		For Color Anodized Finish, Add	*5.74*	
08 72 43 00-0052	LF	7" Width, 3/4" Height, Aluminum Half Saddle Threshold (Pemko 1877A)	47.98	9.28
		For Color Anodized Finish, Add	*2.48*	
08 72 43 00-0053		**Offset Saddle Thresholds** *(08 72 43 00-0002)*		
08 72 43 00-0054		**Aluminum Offset Saddle Thresholds** *(08 72 43 00-0053)*		
		Note: Includes mill finish.		
08 72 43 00-0055		**1/2" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0056	LF	5-1/2" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 158A)	37.67	9.28
		For Color Anodized Finish, Add	*7.23*	
08 72 43 00-0057	LF	7" Width, 1/2" Height, 1/4" Offset, Aluminum Offset Saddle Threshold (Pemko 2727A)	41.39	9.28
		For Color Anodized Finish, Add	*6.36*	
08 72 43 00-0058		**3/4" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0059	LF	5-1/2" Width, 3/4" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 157A)	37.67	9.28
		For Color Anodized Finish, Add	*7.23*	
08 72 43 00-0060		**1" Height, Aluminum Offset Saddle Thresholds** *(08 72 43 00-0054)*		
08 72 43 00-0061	LF	7" Width, 1" Height, 1/2" Offset, Aluminum Offset Saddle Threshold (Pemko 182A)	42.82	9.28
		For Color Anodized Finish, Add	*6.86*	
08 72 43 00-0062		**Modular Ramp Thresholds** *(08 72 43 00-0001)*		
		Note: Includes mill finish.		
08 72 43 00-0063		**Flush, Aluminum Modular Ramp Thresholds** *(08 72 43 00-0062)*		
08 72 43 00-0064	LF	6-1/8" Length, 1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.5FA)	39.31	9.28
		For Non-Slip Surfacing, Add	*62.22*	
08 72 43 00-0065	LF	9-1/4" Length, 3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R.75FA)	48.83	10.21
		For Non-Slip Surfacing, Add	*79.52*	
08 72 43 00-0066	LF	12-3/8" Length, 1" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1FA)	61.85	11.61
		For Non-Slip Surfacing, Add	*108.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0067	LF	15-1/2" Length, 1-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.25FA)	78.16	12.07
		For Non-Slip Surfacing, Add	*145.85*	
08 72 43 00-0068	LF	18-5/8" Length, 1-1/2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.5FA)	90.79	13.00
		For Non-Slip Surfacing, Add	*194.37*	
08 72 43 00-0069	LF	21-3/4" Length, 1-3/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R1.75FA)	112.16	14.39
		For Non-Slip Surfacing, Add	*216.79*	
08 72 43 00-0070	LF	24-7/8" Length, 2" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2FA)	125.06	15.78
		For Non-Slip Surfacing, Add	*243.05*	
08 72 43 00-0071	LF	28" Length, 2-1/4" Height, Flush, Aluminum Modular Ramp Threshold (Pemko R2.25FA)	132.64	16.71
		For Non-Slip Surfacing, Add	*248.03*	

08 72 43 00-0072 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*

08 72 43 00-0073	LF	12-3/4" Length, 1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSSA)	65.81	11.61
		For Non-Slip Surfacing, Add	*115.02*	
08 72 43 00-0074	LF	15-7/8" Length, 3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSSA)	76.99	12.07
		For Non-Slip Surfacing, Add	*142.67*	
08 72 43 00-0075	LF	18" Length, 1" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSSA)	96.07	13.93
		For Non-Slip Surfacing, Add	*177.35*	
08 72 43 00-0076	LF	22-1/8" Length, 1-1/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSSA)	112.63	14.86
		For Non-Slip Surfacing, Add	*215.59*	
08 72 43 00-0077	LF	25-1/4" Length, 1-1/2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSSA)	129.15	15.78
		For Non-Slip Surfacing, Add	*253.68*	
08 72 43 00-0078	LF	28-3/8" Length, 1-3/4" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSSA)	141.11	16.71
		For Non-Slip Surfacing, Add	*279.97*	
08 72 43 00-0079	LF	31-1/2" Length, 2" Height, 3-1/2" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSSA)	172.37	17.65
		For Non-Slip Surfacing, Add	*356.43*	

08 72 43 00-0080 7" Top Plate, Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*

08 72 43 00-0081	LF	16-1/4" Length, 1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.5OSA)	75.98	12.54
		For Non-Slip Surfacing, Add	*142.52*	
08 72 43 00-0082	LF	19-3/8" Length, 3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R.75OSA)	89.00	13.93
		For Non-Slip Surfacing, Add	*171.19*	
08 72 43 00-0083	LF	22-1/2" Length, 1" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1OSA)	106.23	14.86
		For Non-Slip Surfacing, Add	*206.60*	
08 72 43 00-0084	LF	25-5/8" Length, 1-1/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.25OSA)	118.87	15.78
		For Non-Slip Surfacing, Add	*235.68*	
08 72 43 00-0085	LF	28-3/4" Length, 1-1/2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.5OSA)	139.30	16.71
		For Non-Slip Surfacing, Add	*275.26*	
08 72 43 00-0086	LF	31-7/8" Length, 1-3/4" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R1.75OSA)	151.26	17.65
		For Non-Slip Surfacing, Add	*301.55*	
08 72 43 00-0087	LF	35" Length, 2" Height, 7" Top Plate, Offset, Aluminum Modular Ramp Threshold (Pemko R2OSA)	174.23	18.57
		For Non-Slip Surfacing, Add	*342.73*	

08 72 43 00-0088 Accessories For Aluminum Modular Ramp Thresholds *(08 72 43 00-0062)*

08 72 43 00-0089 Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*

08 72 43 00-0090	PR	Up To 1" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	177.10	11.61
		For Non-Slip Surfacing, Add	*18.47*	
08 72 43 00-0091	PR	>1" To 1-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	271.34	11.61
		For Non-Slip Surfacing, Add	*29.78*	
08 72 43 00-0092	PR	>1-1/4" To 2-1/4" Height, Wings/Miter Returns For Flush, Aluminum Modular Ramp Thresholds	535.92	16.25
		For Non-Slip Surfacing, Add	*60.41*	

08 72 43 00-0093 Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds *(08 72 43 00-0088)*

08 72 43 00-0094	PR	Up To 1/2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	177.10	11.61
		For Non-Slip Surfacing, Add	*18.47*	
08 72 43 00-0095	PR	>1/2" To 1" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	271.34	11.61
		For Non-Slip Surfacing, Add	*29.78*	
08 72 43 00-0096	PR	>1" To 2" Height, Wings/Miter Returns For Offset, Aluminum Modular Ramp Thresholds	535.92	16.25
		For Non-Slip Surfacing, Add	*60.41*	

08 72 43 00-0097 Latching Panic Exit Saddle Thresholds *(08 72 43 00-0001)*

Note: Includes vinyl or pile seal.

08 72 43 00-0098 Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*

Note: Includes mill finish.

08 72 43 00-0099 Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*

08 72 43 00-0100 7/8" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*

08 72 43 00-0101	LF	4" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AP)	45.11	9.28
		For Color Anodized Finish, Add	*7.67*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0102	LF	5" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 177AP)	37.81	9.28
		For Color Anodized Finish, Add	*7.30*	
		For Thermoseal, Add	*0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0103	LF	6" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AP)	49.69	9.28
		For Color Anodized Finish, Add	*9.27*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0104	LF	7" Width, 7/8" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AP)	51.70	9.28
		For Color Anodized Finish, Add	*9.97*	
		For Thermoseal, Add	*0.63*	

08 72 43 00-0105 1" Height, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0099)*

08 72 43 00-0106	LF	3-5/8" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 185AP)	36.09	9.28
		For Color Anodized Finish, Add	*6.44*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0107	LF	5" Width, 1" Height, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 181AP)	38.10	9.28
		For Color Anodized Finish, Add	*7.45*	
		For Thermoseal, Add	*0.63*	

08 72 43 00-0108 Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0098)*

08 72 43 00-0109 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0108)*

08 72 43 00-0110	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 252X226AFGP)	40.25	9.28
		For Color Anodized Finish, Add	*6.82*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0111	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 253X226AFGP)	42.11	9.28
		For Color Anodized Finish, Add	*7.56*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0112	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 254X226AFGP)	44.83	9.28
		For Color Anodized Finish, Add	*7.57*	
		For Thermoseal, Add	*0.63*	
08 72 43 00-0113	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Aluminum, Latching Panic Exit Saddle Threshold (Pemko 255X226AFGP)	47.90	9.28
		For Color Anodized Finish, Add	*8.64*	
		For Thermoseal, Add	*0.63*	

08 72 43 00-0114 Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0097)*

08 72 43 00-0115 Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*

08 72 43 00-0116 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*

08 72 43 00-0117	LF	4" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BV)	225.43	9.28
		For Thermoseal, Add	*0.63*	
08 72 43 00-0118	LF	5" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 177BV)	208.72	9.28
		For Thermoseal, Add	*0.63*	
08 72 43 00-0119	LF	6" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BV)	302.31	9.28
		For Thermoseal, Add	*0.63*	
08 72 43 00-0120	LF	7" Width, 7/8" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BV)	269.89	9.28
		For Thermoseal, Add	*0.63*	

08 72 43 00-0121 1" Height, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0115)*

08 72 43 00-0122	LF	5" Width, 1" Height, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 181BV)	221.75	9.28
		For Thermoseal, Add	*0.63*	

08 72 43 00-0123 Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0114)*

08 72 43 00-0124 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Thresholds *(08 72 43 00-0123)*

08 72 43 00-0125	LF	4-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 252X226BFGV)	227.82	10.21
		For Thermoseal, Add	*0.63*	
08 72 43 00-0126	LF	5-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 253X226BFGV)	239.36	10.21
		For Thermoseal, Add	*0.63*	
08 72 43 00-0127	LF	6-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 254X226BFGV)	301.69	10.21
		For Thermoseal, Add	*0.63*	
08 72 43 00-0128	LF	7-1/8" Width, 7/8" Height, Thermal Barrier, Brass/Bronze, Latching Panic Exit Saddle Threshold (Pemko 255X226BFGV)	273.69	10.68
		For Thermoseal, Add	*0.63*	

08 72 43 00-0129 Carpet Separator Thresholds *(08 72 43 00-0001)*

08 72 43 00-0130 Aluminum, Carpet Separator Thresholds *(08 72 43 00-0129)*

Note: Includes mill finish.

08 72 43 00-0131 3/8" Height, Aluminum, Carpet Separator Thresholds *(08 72 43 00-0130)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0132	LF	2-1/2" Width, 3/8" Height, Aluminum, Carpet Separator Threshold (Pemko 174C)	27.30	7.43
		For Color Anodized Finish, Add	*3.49*	
08 72 43 00-0133		**7/16" Height, Aluminum, Carpet Separator Thresholds** *(08 72 43 00-0130)*		
08 72 43 00-0134	LF	1-3/4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 236A)	22.26	6.50
		For Color Anodized Finish, Add	*2.10*	
08 72 43 00-0135	LF	4" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2364A)	33.95	7.43
		For Color Anodized Finish, Add	*4.30*	
08 72 43 00-0136	LF	6" Width, 7/16" Height, Aluminum, Carpet Separator Threshold (Pemko 2366A)	39.96	7.43
		For Color Anodized Finish, Add	*6.70*	
08 72 43 00-0137		**1/2" Height, Aluminum, Carpet Separator Thresholds** *(08 72 43 00-0130)*		
08 72 43 00-0138	LF	1-3/8" Width, 1/2" Height, Aluminum, Carpet Separator Threshold (Pemko 1951A)	20.40	6.50
		For Color Anodized Finish, Add	*1.04*	
08 72 43 00-0139		**3/4" Height, Aluminum, Carpet Separator Thresholds** *(08 72 43 00-0130)*		
08 72 43 00-0140	LF	1-3/4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 246A)	22.26	6.50
		For Color Anodized Finish, Add	*1.80*	
08 72 43 00-0141	LF	3" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 230A)	34.38	9.28
		For Color Anodized Finish, Add	*4.47*	
08 72 43 00-0142	LF	4" Width, 3/4" Height, Aluminum, Carpet Separator Threshold (Pemko 2464A)	36.09	9.28
		For Color Anodized Finish, Add	*3.86*	
08 72 43 00-0143		**Brass/Bronze, Carpet Separator Thresholds** *(08 72 43 00-0129)*		
08 72 43 00-0144		**3/8" Height, Brass/Bronze, Carpet Separator Thresholds** *(08 72 43 00-0143)*		
08 72 43 00-0145	LF	2-1/2" Width, 3/8" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 174B)	120.68	7.43
08 72 43 00-0146		**7/16" Height, Brass/Bronze, Carpet Separator Thresholds** *(08 72 43 00-0143)*		
08 72 43 00-0147	LF	1-3/4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 236B)	161.02	6.50
08 72 43 00-0148	LF	4" Width, 7/16" Height, Brass/Bronze, Carpet Separator Threshold (Pemko 2364B)	144.38	9.28
08 72 43 00-0149		**Vinyl Transition Thresholds** *(08 72 43 00-0001)*		
		Note: Serves as a transition where carpet meets carpet, tile, VCT or concrete beneath a door.		
08 72 43 00-0150		**Carpet To Carpet, Vinyl Transition Thresholds** *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets carpet beneath a door.		
08 72 43 00-0151	LF	2-3/4" Width, 23/32" Height, Carpet To Carpet, Vinyl Transition Threshold (Pemko V232BL)	32.55	7.43
08 72 43 00-0152		**Carpet To Tile, Vinyl Transition Thresholds** *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets tile beneath a door.		
08 72 43 00-0153	LF	2-3/4" Width, 23/32" Height, Carpet To Tile, Vinyl Transition Threshold (Pemko V2325BL)	32.55	7.43
08 72 43 00-0154		**Carpet To Concrete, Vinyl Transition Thresholds** *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets concrete beneath a door.		
08 72 43 00-0155	LF	3-1/2" Width, 23/32" Height, Carpet To Concrete, Vinyl Transition Threshold (Pemko V2320BL)	35.11	9.28
08 72 43 00-0156		**Carpet To VCT Tile, Vinyl Transition Thresholds** *(08 72 43 00-0149)*		
		Note: Serves as a transition where carpet meets VCT Tile beneath a door.		
08 72 43 00-0157	LF	3-7/16" Width, 23/32" Height, Carpet To VCT Tile, Vinyl Transition Threshold (Pemko V2322BL)	37.43	9.28
08 72 43 00-0158		**Residential Thresholds** *(08 72 43 00-0001)*		
08 72 43 00-0159		**Wood Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0160	LF	1-1/4" Width, 1/4" Height, Oak Residential Threshold (Pemko 2219W)	14.23	4.65
08 72 43 00-0161	LF	1-3/4" Width, 5/16" Height, Oak Residential Threshold (Pemko 2175W)	14.71	4.65
08 72 43 00-0162	LF	3" Width, 3/8" Height, Oak Residential Threshold (Pemko 2300W)	19.64	4.94
08 72 43 00-0163	LF	3-1/2" Width, 1/2" Height, Oak Residential Threshold (Pemko 2350W)	19.97	5.13
08 72 43 00-0164	LF	5" Width, 1/2" Height, Oak Residential Threshold (Pemko 2500W)	29.88	5.27
08 72 43 00-0165		**Vinyl Top, Wood Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0166	LF	1-5/8" Width, 15/16" Height, Vinyl Top, Wood Residential Threshold (Pemko 208OAK)	16.86	4.65
08 72 43 00-0167	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 203OAK)	20.40	5.13
08 72 43 00-0168	LF	3-5/8" Width, 1-3/8" Height, Vinyl Top, Wood Residential Threshold (Pemko 204OAK)	37.15	5.13
08 72 43 00-0169		**Vinyl Top, Aluminum Residential Thresholds** *(08 72 43 00-0158)*		
08 72 43 00-0170	LF	1-3/8" Width, 1/2" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 208AV)	16.91	4.65
		For Color Anodized Finish, Add	*2.12*	

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08 72 43 00-0171	LF	3-1/4" Width, 3/4" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 206AV)	19.68	5.13
		For Color Anodized Finish, Add	*2.75*	
08 72 43 00-0172	LF	3-1/2" Width, 1-1/8" Height, Vinyl Top, Aluminum Residential Threshold (Pemko 207AV)	20.83	5.13
		For Color Anodized Finish, Add	*3.21*	

08 72 43 00-0173 Interlocking Residential Thresholds *(08 72 43 00-0158)*

08 72 43 00-0174 Aluminum Interlocking Residential Thresholds *(08 72 43 00-0173)*

08 72 43 00-0175 1/2" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*

08 72 43 00-0176	LF	4-1/4" Width, 1/2" Height, Aluminum Interlocking Residential Threshold (Pemko 114A)	36.51	5.27
		For Color Anodized Finish, Add	*7.00*	

08 72 43 00-0177 5/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*

08 72 43 00-0178	LF	3" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 121A)	24.52	4.94
		For Color Anodized Finish, Add	*3.65*	
08 72 43 00-0179	LF	3-1/2" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 110A)	22.40	5.13
		For Color Anodized Finish, Add	*4.80*	
08 72 43 00-0180	LF	4-1/4" Width, 5/8" Height, Aluminum Interlocking Residential Threshold (Pemko 115A)	25.92	5.27
		For Color Anodized Finish, Add	*3.82*	

08 72 43 00-0181 7/8" Height, Aluminum Interlocking Residential Thresholds *(08 72 43 00-0174)*

08 72 43 00-0182	LF	4-1/2" Width, 7/8" Height, Aluminum Interlocking Residential Threshold (Pemko 120A)	28.21	5.27
		For Color Anodized Finish, Add	*7.52*	

08 72 43 00-0183 Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0173)*

08 72 43 00-0184 1/2" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*

08 72 43 00-0185	LF	4-1/4" Width, 1/2" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 114B)	167.77	5.27

08 72 43 00-0186 5/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*

08 72 43 00-0187	LF	3-1/2" Width, 5/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 110B)	125.62	5.13

08 72 43 00-0188 7/8" Height, Brass/Bronze Interlocking Residential Thresholds *(08 72 43 00-0183)*

08 72 43 00-0189	LF	4-1/2" Width, 7/8" Height, Brass/Bronze Interlocking Residential Threshold (Pemko 120B)	171.95	5.27
08 72 43 00-0190	LF	5-3/4" Width, 7/8" Height, 3/4" Offset, Brass/Bronze Interlocking Residential Threshold (Pemko 123B)	247.54	5.42

08 72 43 00-0191 Residential Door Sills *(08 72 43 00-0001)*

08 72 43 00-0192 Fixed Aluminum Residential Door Sills *(08 72 43 00-0191)*

08 72 43 00-0193	LF	4-9/16" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 84514A)	21.34	5.27
		For Color Anodized Finish, Add	*4.08*	
08 72 43 00-0194	LF	5-5/8" Width, 1-1/4" Height, Fixed Aluminum Residential Door Sill (Pemko 85514A)	22.84	5.42
		For Color Anodized Finish, Add	*3.71*	

08 72 43 00-0195 Adjustable Aluminum Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*

08 72 43 00-0196	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518A)	30.08	5.27
		For Color Anodized Finish, Add	*5.92*	
08 72 43 00-0197	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518A)	30.89	5.42
		For Color Anodized Finish, Add	*6.07*	

08 72 43 00-0198 Adjustable Wood Top, Aluminum Residential Door Sills *(08 72 43 00-0191)*

08 72 43 00-0199	LF	3-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 93518AW)	30.40	5.13
		For Color Anodized Finish, Add	*6.16*	
08 72 43 00-0200	LF	4-7/8" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 94518AW)	30.77	5.27
		For Color Anodized Finish, Add	*4.40*	
08 72 43 00-0201	LF	5-3/4" Width, 1-1/8" To 1-3/8" Height, Adjustable Aluminum Top, Aluminum Residential Door Sill (Pemko 95518AW)	32.10	5.42
		For Color Anodized Finish, Add	*4.64*	

08 72 43 00-0202 Extenders For Aluminum Residential Door Sills *(08 72 43 00-0191)*

08 72 43 00-0203	LF	3/4" Extender For Aluminum Residential Door Sills (Pemko EXT3/4A)	12.86	4.65
		For Color Anodized Finish, Add	*2.51*	
08 72 43 00-0204	LF	2" Extender For Aluminum Residential Door Sills (Pemko EXT2A)	14.00	4.65
		For Color Anodized Finish, Add	*2.36*	
08 72 43 00-0205	LF	3" Extender For Aluminum Residential Door Sills (Pemko EXT3A)	15.15	4.65
		For Color Anodized Finish, Add	*1.47*	

08 72 43 00-0206 Stone Thresholds *(08 72 43 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 72 43 00-0207		Marble Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0208	LF	2" Width, 5/8" Height, Plain Marble Threshold	16.73	6.60
08 72 43 00-0209	LF	4" Width, 5/8" Height, Plain Marble Threshold	18.26	6.60
08 72 43 00-0210	LF	6" Width, 5/8" Height, Plain Marble Threshold	20.30	6.60
08 72 43 00-0211	LF	4" Width, 7/8" Height, Plain Marble Threshold	24.91	6.60
08 72 43 00-0212	LF	6" Width, 7/8" Height, Plain Marble Threshold	30.29	6.60
08 72 43 00-0213		Corian Thresholds *(08 72 43 00-0206)*		
08 72 43 00-0214	LF	Up To 5-3/4" Width, Corian Threshold	60.64	7.71
08 75		**Window Hardware** *(08 70)*		
08 75 13		**Automatic Window Equipment** *(08 75)*		
08 75 13 00-0001		Window Opener Electric, With 1/2 HP Motor *(08 75 13)*		
08 75 13 00-0002	EA	Gym Window Electronic Opener	1,382.41	197.89
08 78		**Special Function Hardware** *(08 70)*		
08 78 00 00-0001		Pad Locks *(08 78)*		
08 78 00 00-0002	EA	Combination Padlock	19.65	4.65
08 78 00 00-0003	EA	Resettable Combination Padlock With Control Key, 4 Digit, 2" Wide Case, 1" Shackle Height	46.21	4.65
08 78 00 00-0004	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 1" Shackle Height	42.61	4.65
08 78 00 00-0005	EA	Resettable Combination Padlock, 4 Digit, 2" Wide Case, 2-1/4" Shackle Height	47.07	4.65
08 78 00 00-0006	EA	Commercial U-Bar Lock	57.38	4.65
08 78 00 00-0007	EA	Weather Tough Padlocks Keyed Alike	47.97	4.65
08 78 00 00-0008	EA	High Security Padlocks	43.20	4.65
08 78 00 00-0009	EA	Standard Key, Medium Security Padlock Keyed Alike	22.27	4.65
08 79		**Hardware Accessories** *(08 70)*		
08 79 13		**Key Storage Equipment** *(08 79)*		
08 79 13 00-0001		Key Cabinet *(08 79 13)*		
08 79 13 00-0002		Key Cabinets *(08 79 13 00-0001)*		
08 79 13 00-0003	EA	Wall Mounted Key Cabinet, Up To 30 Keys	338.11	16.71
08 79 13 00-0004	EA	Wall Mounted Key Cabinet, Up To 60 Keys	455.77	18.57
08 79 13 00-0005	EA	Wall Mounted Key Cabinet, Up To 240 Keys	1,020.30	27.86
08 79 13 00-0006	EA	Wall Mounted Key Cabinet, Up To 1,200 Keys	2,623.38	37.14
08 79 13 00-0007	EA	Drawer Type Key Cabinet, Up To 600 Keys	2,796.59	24.61
08 79 13 00-0008	EA	Drawer Type Key Cabinet, Up To 2,400 Keys	6,310.81	18.57
08 79 13 00-0009	EA	Tray Type Key Cabinet, Up To 20 Keys	142.32	7.43
08 79 13 00-0010	EA	Tray Type Key Cabinet, Up To 50 Keys	202.67	9.28
08 79 13 00-0011		Key Boxes Wall Mounted On Any Type Wall, With Anchor *(08 79 13 00-0001)*		
08 79 13 00-0012	EA	Key Box, Metal, 30 Key Hooks, Key Lock Door 3" Deep x 10" Wide x 12" High	194.98	13.94
08 79 13 00-0013	EA	Key Box, Metal, 60 Key Hooks, Key Lock Door, 3" Deep x 10" Wide x 12" High	220.47	13.94
08 79 13 00-0014	EA	Relocate 10" Wide x 12" High x 3" Deep Metal Key Box Note: Including Storage And Cleaning	47.38	
08 79 13 00-0015	EA	Relocate Heavy Duty Key Box, With Combo Lock Door Note: Including Storage And Cleaning	106.84	
08 80		**Glazing** *(08)*		

Note: Includes neoprene setting blocks and spacers and elastomeric sealants for all glazing tasks. Demolition for all glazing includes removal of glazing (broken or whole), sealant compound and/or astragal, taking down and resetting mullion where necessary.

08 81		**Glass Glazing** *(08 80)*		
08 81 23		**Exterior Glass Glazing** *(08 81)*		
08 81 23 13		**Factory Installed Glass Glazing** *(08 81 23)*		
08 81 23 13-0001		Clear Float Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0002		Clear Float Factory Installed Glass *(08 81 23 13-0001)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0003	SF	1/8" Thick, Clear Float Factory Installed Glass	3.02	
		For >50 To 200, Deduct	*-0.09*	
		For >200 To 400, Deduct	*-0.18*	
		For >400, Deduct	*-0.27*	
		For Tinted Glass, Add	*0.76*	
		For Reflective Coated Glass, Add	*1.36*	
		For Low-E Coated Glass, Add	*0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0004	SF	3/16" Thick, Clear Float Factory Installed Glass	3.24	
		For >50 To 200, Deduct	*-0.10*	
		For >200 To 400, Deduct	*-0.19*	
		For >400, Deduct	*-0.29*	
		For Tinted Glass, Add	*0.81*	
		For Reflective Coated Glass, Add	*1.46*	
		For Low-E Coated Glass, Add	*0.81*	
08 81 23 13-0005	SF	1/4" Thick, Clear Float Factory Installed Glass	3.93	
		For >50 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.24*	
		For >400, Deduct	*-0.35*	
		For Tinted Glass, Add	*0.98*	
		For Reflective Coated Glass, Add	*1.77*	
		For Low-E Coated Glass, Add	*0.98*	
08 81 23 13-0006	SF	5/16" Thick, Clear Float Factory Installed Glass	6.54	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.59*	
		For Tinted Glass, Add	*1.64*	
		For Reflective Coated Glass, Add	*2.94*	
		For Low-E Coated Glass, Add	*1.64*	
08 81 23 13-0007	SF	3/8" Thick, Clear Float Factory Installed Glass	9.51	
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.86*	
		For Tinted Glass, Add	*2.38*	
		For Reflective Coated Glass, Add	*4.28*	
		For Low-E Coated Glass, Add	*2.38*	
08 81 23 13-0008	SF	1/2" Thick, Clear Float Factory Installed Glass	10.45	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.63*	
		For >400, Deduct	*-0.94*	
		For Tinted Glass, Add	*2.61*	
		For Reflective Coated Glass, Add	*4.70*	
		For Low-E Coated Glass, Add	*2.61*	
08 81 23 13-0009	SF	5/8" Thick, Clear Float Factory Installed Glass	12.50	
		For >50 To 200, Deduct	*-0.38*	
		For >200 To 400, Deduct	*-0.75*	
		For >400, Deduct	*-1.13*	
		For Tinted Glass, Add	*3.13*	
		For Reflective Coated Glass, Add	*5.63*	
		For Low-E Coated Glass, Add	*3.13*	
08 81 23 13-0010	SF	3/4" Thick, Clear Float Factory Installed Glass	15.44	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.93*	
		For >400, Deduct	*-1.39*	
		For Tinted Glass, Add	*3.86*	
		For Reflective Coated Glass, Add	*6.95*	
		For Low-E Coated Glass, Add	*3.86*	

08 81 23 13-0011 Heat Treated Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0012 Tempered, Clear Float Factory Installed Glass *(08 81 23 13-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0013	SF	1/8" Thick, Tempered, Clear Float Factory Installed Glass	4.39	
		For >50 To 200, Deduct	*-0.13*	
		For >200 To 400, Deduct	*-0.26*	
		For >400, Deduct	*-0.40*	
		For Tinted Glass, Add	*1.10*	
		For Reflective Coated Glass, Add	*1.98*	
		For Low-E Coated Glass, Add	*1.10*	
08 81 23 13-0014	SF	3/16" Thick, Tempered, Clear Float Factory Installed Glass	4.69	
		For >50 To 200, Deduct	*-0.14*	
		For >200 To 400, Deduct	*-0.28*	
		For >400, Deduct	*-0.42*	
		For Tinted Glass, Add	*1.17*	
		For Reflective Coated Glass, Add	*2.11*	
		For Low-E Coated Glass, Add	*1.17*	
08 81 23 13-0015	SF	1/4" Thick, Tempered, Clear Float Factory Installed Glass	5.70	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.51*	
		For Tinted Glass, Add	*1.43*	
		For Reflective Coated Glass, Add	*2.57*	
		For Low-E Coated Glass, Add	*1.43*	
08 81 23 13-0016	SF	5/16" Thick, Tempered, Clear Float Factory Installed Glass	9.49	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.85*	
		For Tinted Glass, Add	*2.37*	
		For Reflective Coated Glass, Add	*4.27*	
		For Low-E Coated Glass, Add	*2.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0017	SF	3/8" Thick, Tempered, Clear Float Factory Installed Glass	13.79	
		For >50 To 200, Deduct	*-0.41*	
		For >200 To 400, Deduct	*-0.83*	
		For >400, Deduct	*-1.24*	
		For Tinted Glass, Add	*3.45*	
		For Reflective Coated Glass, Add	*6.21*	
		For Low-E Coated Glass, Add	*3.45*	
08 81 23 13-0018	SF	1/2" Thick, Tempered, Clear Float Factory Installed Glass	15.15	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.91*	
		For >400, Deduct	*-1.36*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*6.82*	
		For Low-E Coated Glass, Add	*3.79*	
08 81 23 13-0019	SF	5/8" Thick, Tempered, Clear Float Factory Installed Glass	18.13	
		For >50 To 200, Deduct	*-0.54*	
		For >200 To 400, Deduct	*-1.09*	
		For >400, Deduct	*-1.63*	
		For Tinted Glass, Add	*4.53*	
		For Reflective Coated Glass, Add	*8.16*	
		For Low-E Coated Glass, Add	*4.53*	
08 81 23 13-0020	SF	3/4" Thick, Tempered, Clear Float Factory Installed Glass	22.40	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.34*	
		For >400, Deduct	*-2.02*	
		For Tinted Glass, Add	*5.60*	
		For Reflective Coated Glass, Add	*10.08*	
		For Low-E Coated Glass, Add	*5.60*	

08 81 23 13-0021 Patterned Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0022 Rough Obscure, Factory Installed Glass *(08 81 23 13-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 13-0023	SF	1/4" Thick, Rough Obscure, Factory Installed Glass	8.60

08 81 23 13-0024 Patterned, Figured Factory Installed Glass *(08 81 23 13-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 13-0025	SF	1/8" Thick, Patterned, Figured Factory Installed Glass	5.23
08 81 23 13-0026	SF	7/32" Thick, Patterned, Figured Factory Installed Glass	5.23

08 81 23 13-0027 Wired Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0028 Square Or Diamond Pattern, Wired Factory Installed Glass *(08 81 23 13-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 13-0029	SF	1/4" Thick, Square Pattern, Wired Factory Installed Glass	13.52
08 81 23 13-0030	SF	1/4" Thick, Diamond Pattern, Wired Factory Installed Glass	13.52

08 81 23 13-0031 Polished, Wired Factory Installed Glass *(08 81 23 13-0027)*

08 81 23 13-0032	SF	1/4" Thick, Polished, Wired Factory Installed Glass	14.78

08 81 23 13-0033 Frosted Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0034 Frosted Factory Installed Glass *(08 81 23 13-0033)*

08 81 23 13-0035	SF	1/8" Thick, Frosted Factory Installed Glass	6.84
		For >50 To 200, Deduct	*-0.21*
		For >200 To 400, Deduct	*-0.41*
		For >400, Deduct	*-0.62*
08 81 23 13-0036	SF	3/16" Thick, Frosted Factory Installed Glass	8.97
		For >50 To 200, Deduct	*-0.27*
		For >200 To 400, Deduct	*-0.54*
		For >400, Deduct	*-0.81*
08 81 23 13-0037	SF	1/4" Thick, Frosted Factory Installed Glass	11.34
		For >50 To 200, Deduct	*-0.34*
		For >200 To 400, Deduct	*-0.68*
		For >400, Deduct	*-1.02*
08 81 23 13-0038	SF	3/8" Thick, Frosted Factory Installed Glass	16.95
		For >50 To 200, Deduct	*-0.51*
		For >200 To 400, Deduct	*-1.02*
		For >400, Deduct	*-1.53*

08 81 23 13-0039 Fire Rated Factory Installed Glass *(08 81 23 13)*

08 81 23 13-0040 Fire Rated Factory Installed Glass *(08 81 23 13-0039)*

08 81 23 13-0041	SF	20 Minute, Fire Rated Factory Installed Glass	18.57
08 81 23 13-0042	SF	45 Minute, Fire Rated Factory Installed Glass	36.96
08 81 23 13-0043	SF	60 Minute, Fire Rated Factory Installed Glass	57.12
08 81 23 13-0044	SF	90 Minute, Fire Rated Factory Installed Glass	75.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0045		Laminated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0046		Laminated Glass With PVB Interlayer, Factory Installed Glass *(08 81 23 13-0045)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	12.05	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.08*	
		For Tinted Glass, Add	*3.01*	
		For Reflective Coated Glass, Add	*5.42*	
		For Low-E Coated Glass, Add	*3.01*	
		For One Piece Heat Strengthened Glass, Add	*2.41*	
		For One Piece Fully Tempered Glass, Add	*2.41*	
08 81 23 13-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	15.04	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.90*	
		For >400, Deduct	*-1.35*	
		For Tinted Glass, Add	*3.76*	
		For Reflective Coated Glass, Add	*6.77*	
		For Low-E Coated Glass, Add	*3.76*	
		For One Piece Heat Strengthened Glass, Add	*3.01*	
		For One Piece Fully Tempered Glass, Add	*3.01*	
08 81 23 13-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Factory Installed Glass	20.44	
		For >50 To 200, Deduct	*-0.61*	
		For >200 To 400, Deduct	*-1.23*	
		For >400, Deduct	*-1.84*	
		For Tinted Glass, Add	*5.11*	
		For Reflective Coated Glass, Add	*9.20*	
		For Low-E Coated Glass, Add	*5.11*	
		For One Piece Heat Strengthened Glass, Add	*4.09*	
		For One Piece Fully Tempered Glass, Add	*4.09*	
08 81 23 13-0050		Insulated Factory Installed Glass *(08 81 23 13)*		
08 81 23 13-0051		Insulated, Factory Installed Glass *(08 81 23 13-0050)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0052		3/16" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		
08 81 23 13-0053	SF	3/8" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 3/16" air space.	7.98	
		For >50 To 200, Deduct	*-0.24*	
		For >200 To 400, Deduct	*-0.48*	
		For >400, Deduct	*-0.72*	
		For Tinted Glass, Add	*2.00*	
		For Reflective Coated Glass, Add	*3.59*	
		For Low-E Coated Glass, Add	*2.00*	
		For One Piece Heat Strengthened Glass, Add	*1.60*	
		For One Piece Fully Tempered Glass, Add	*1.60*	
		For One Piece Obscure Glass, Add	*3.39*	
		For Argon Gas, Add	*1.10*	
08 81 23 13-0054	SF	1/2" Thick, Insulated Factory Installed Glass Note: One 3/16" lite and one 1/8" lite with 3/16" air space.	8.72	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.78*	
		For Tinted Glass, Add	*2.18*	
		For Reflective Coated Glass, Add	*3.92*	
		For Low-E Coated Glass, Add	*2.18*	
		For One Piece Heat Strengthened Glass, Add	*1.74*	
		For One Piece Fully Tempered Glass, Add	*1.74*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 13-0055	SF	9/16" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/16" air space.	8.74	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.79*	
		For Tinted Glass, Add	*2.19*	
		For Reflective Coated Glass, Add	*3.93*	
		For Low-E Coated Glass, Add	*2.19*	
		For One Piece Heat Strengthened Glass, Add	*1.75*	
		For One Piece Fully Tempered Glass, Add	*1.75*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 13-0056		1/4" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)* Note: Type I, Class I, Quality Q3.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0057	SF	7/16" Thick, Insulated Factory Installed Glass Note: Two 3/32" lites with 1/4" air space.	8.22	
		For >50 To 200, Deduct	*-0.25*	
		For >200 To 400, Deduct	*-0.49*	
		For >400, Deduct	*-0.74*	
		For Tinted Glass, Add	*2.06*	
		For Reflective Coated Glass, Add	*3.70*	
		For Low-E Coated Glass, Add	*2.06*	
		For One Piece Heat Strengthened Glass, Add	*1.64*	
		For One Piece Fully Tempered Glass, Add	*1.64*	
		For One Piece Obscure Glass, Add	*3.49*	
		For Argon Gas, Add	*1.13*	
08 81 23 13-0058	SF	1/2" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/4" air space.	8.72	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.78*	
		For Tinted Glass, Add	*2.18*	
		For Reflective Coated Glass, Add	*3.92*	
		For Low-E Coated Glass, Add	*2.18*	
		For One Piece Heat Strengthened Glass, Add	*1.74*	
		For One Piece Fully Tempered Glass, Add	*1.74*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 13-0059	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/4" air space.	8.82	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	
08 81 23 13-0060	SF	5/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/4" air space.	8.82	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	
08 81 23 13-0061	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/4" air space.	9.24	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	

08 81 23 13-0062 3/8" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0063	SF	5/8" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 3/8" air space.	8.82	
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 13-0064	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 3/8" air space.	9.24	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	
08 81 23 13-0065	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 3/8" air space.	10.25	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	

08 81 23 13-0066 1/2" Air Space, Insulated, Factory Installed Glass *(08 81 23 13-0051)*

Note: Type I, Class I, Quality Q3.

08 81 23 13-0067	SF	3/4" Thick, Insulated Factory Installed Glass Note: Two 1/8" lites with 1/2" air space.	9.24	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	
08 81 23 13-0068	SF	7/8" Thick, Insulated Factory Installed Glass Note: Two 3/16" lites with 1/2" air space.	10.25	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	
08 81 23 13-0069	SF	7/8" Thick, Insulated Factory Installed Glass Note: One 1/4" lite and one 1/8" lite with 1/2" air space.	10.25	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	
08 81 23 13-0070	SF	1" Thick, Insulated Factory Installed Glass Note: Two 1/4" lites with 1/2" air space.	11.21	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.67*	
		For >400, Deduct	*-1.01*	
		For Tinted Glass, Add	*2.80*	
		For Reflective Coated Glass, Add	*5.04*	
		For Low-E Coated Glass, Add	*2.80*	
		For One Piece Heat Strengthened Glass, Add	*2.24*	
		For One Piece Fully Tempered Glass, Add	*2.24*	
		For One Piece Obscure Glass, Add	*4.76*	
		For Argon Gas, Add	*1.54*	

08 81 23 23 Field Installed Glass Glazing *(08 81 23)*

08 81 23 23-0001 Clear Float Field Installed Glass *(08 81 23 23)*

08 81 23 23-0002 Clear Float Field Installed Glass *(08 81 23 23-0001)*

Note: Type I, Class I, Quality Q3.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0003	SF	1/8" Thick, Clear Float Field Installed Glass	15.49	
		For >50 To 200, Deduct	*-0.09*	
		For >200 To 400, Deduct	*-0.18*	
		For >400, Deduct	*-0.27*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.47*	
		For Tinted Glass, Add	*0.76*	
		For Reflective Coated Glass, Add	*1.36*	
		For Low-E Coated Glass, Add	*0.76*	
08 81 23 23-0004	SF	3/16" Thick, Clear Float Field Installed Glass	16.67	
		For >50 To 200, Deduct	*-0.10*	
		For >200 To 400, Deduct	*-0.19*	
		For >400, Deduct	*-0.29*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.43*	
		For Tinted Glass, Add	*0.81*	
		For Reflective Coated Glass, Add	*1.46*	
		For Low-E Coated Glass, Add	*0.81*	
08 81 23 23-0005	SF	1/4" Thick, Clear Float Field Installed Glass	18.31	
		For >50 To 200, Deduct	*-0.12*	
		For >200 To 400, Deduct	*-0.24*	
		For >400, Deduct	*-0.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	
		For Tinted Glass, Add	*0.98*	
		For Reflective Coated Glass, Add	*1.77*	
		For Low-E Coated Glass, Add	*0.98*	
08 81 23 23-0006	SF	5/16" Thick, Clear Float Field Installed Glass	22.84	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.39*	
		For >400, Deduct	*-0.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.30*	
		For Tinted Glass, Add	*1.64*	
		For Reflective Coated Glass, Add	*2.94*	
		For Low-E Coated Glass, Add	*1.64*	
08 81 23 23-0007	SF	3/8" Thick, Clear Float Field Installed Glass	27.73	
		For >50 To 200, Deduct	*-0.29*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.86*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.22*	
		For Tinted Glass, Add	*2.38*	
		For Reflective Coated Glass, Add	*4.28*	
		For Low-E Coated Glass, Add	*2.38*	
08 81 23 23-0008	SF	1/2" Thick, Clear Float Field Installed Glass	30.59	
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.63*	
		For >400, Deduct	*-0.94*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.14*	
		For Tinted Glass, Add	*2.61*	
		For Reflective Coated Glass, Add	*4.70*	
		For Low-E Coated Glass, Add	*2.61*	
08 81 23 23-0009	SF	5/8" Thick, Clear Float Field Installed Glass	37.43	
		For >50 To 200, Deduct	*-0.38*	
		For >200 To 400, Deduct	*-0.75*	
		For >400, Deduct	*-1.13*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.93*	
		For Tinted Glass, Add	*3.13*	
		For Reflective Coated Glass, Add	*5.63*	
		For Low-E Coated Glass, Add	*3.13*	
08 81 23 23-0010	SF	3/4" Thick, Clear Float Field Installed Glass	45.17	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.93*	
		For >400, Deduct	*-1.39*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*29.73*	
		For Tinted Glass, Add	*3.86*	
		For Reflective Coated Glass, Add	*6.95*	
		For Low-E Coated Glass, Add	*3.86*	

08 81 23 23-0011 Heat Treated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0012 Tempered, Clear Float Field Installed Glass *(08 81 23 23-0011)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0013	SF	1/8" Thick, Tempered, Clear Float Field Installed Glass	16.86	
		For >50 To 200, Deduct	*-0.13*	
		For >200 To 400, Deduct	*-0.26*	
		For >400, Deduct	*-0.40*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.47*	
		For Tinted Glass, Add	*1.10*	
		For Reflective Coated Glass, Add	*1.98*	
		For Low-E Coated Glass, Add	*1.10*	
08 81 23 23-0014	SF	3/16" Thick, Tempered, Clear Float Field Installed Glass	18.12	
		For >50 To 200, Deduct	*-0.14*	
		For >200 To 400, Deduct	*-0.28*	
		For >400, Deduct	*-0.42*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.43*	
		For Tinted Glass, Add	*1.17*	
		For Reflective Coated Glass, Add	*2.11*	
		For Low-E Coated Glass, Add	*1.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0015	SF	1/4" Thick, Tempered, Clear Float Field Installed Glass	20.08	
		For >50 To 200, Deduct	*-0.17*	
		For >200 To 400, Deduct	*-0.34*	
		For >400, Deduct	*-0.51*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	
		For Tinted Glass, Add	*1.43*	
		For Reflective Coated Glass, Add	*2.57*	
		For Low-E Coated Glass, Add	*1.43*	
08 81 23 23-0016	SF	5/16" Thick, Tempered, Clear Float Field Installed Glass	25.79	
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.57*	
		For >400, Deduct	*-0.85*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.30*	
		For Tinted Glass, Add	*2.37*	
		For Reflective Coated Glass, Add	*4.27*	
		For Low-E Coated Glass, Add	*2.37*	
08 81 23 23-0017	SF	3/8" Thick, Tempered, Clear Float Field Installed Glass	32.01	
		For >50 To 200, Deduct	*-0.41*	
		For >200 To 400, Deduct	*-0.83*	
		For >400, Deduct	*-1.24*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.22*	
		For Tinted Glass, Add	*3.45*	
		For Reflective Coated Glass, Add	*6.21*	
		For Low-E Coated Glass, Add	*3.45*	
08 81 23 23-0018	SF	1/2" Thick, Tempered, Clear Float Field Installed Glass	35.29	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.91*	
		For >400, Deduct	*-1.36*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.14*	
		For Tinted Glass, Add	*3.79*	
		For Reflective Coated Glass, Add	*6.82*	
		For Low-E Coated Glass, Add	*3.79*	
08 81 23 23-0019	SF	5/8" Thick, Tempered, Clear Float Field Installed Glass	43.06	
		For >50 To 200, Deduct	*-0.54*	
		For >200 To 400, Deduct	*-1.09*	
		For >400, Deduct	*-1.63*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*24.93*	
		For Tinted Glass, Add	*4.53*	
		For Reflective Coated Glass, Add	*8.16*	
		For Low-E Coated Glass, Add	*4.53*	
08 81 23 23-0020	SF	3/4" Thick, Tempered, Clear Float Field Installed Glass	52.13	
		For >50 To 200, Deduct	*-0.67*	
		For >200 To 400, Deduct	*-1.34*	
		For >400, Deduct	*-2.02*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*29.73*	
		For Tinted Glass, Add	*5.60*	
		For Reflective Coated Glass, Add	*10.08*	
		For Low-E Coated Glass, Add	*5.60*	

08 81 23 23-0021 Patterned Field Installed Glass *(08 81 23 23)*

08 81 23 23-0022 Rough Obscure Field Installed Glass *(08 81 23 23-0021)*

Note: Class II, Form 3, Finish F1.

08 81 23 23-0023	SF	1/4" Thick, Rough Obscure Field Installed Glass	22.98	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	

08 81 23 23-0024 Patterned, Figured Field Installed Glass *(08 81 23 23-0021)*

Note: Kind HS, Type II, Class I, Form 3, Quality Q8, Finish F2, Pattern P4.

08 81 23 23-0025	SF	1/8" Thick, Patterned, Figured Field Installed Glass	17.70	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.47*	
08 81 23 23-0026	SF	7/32" Thick, Patterned, Figured Field Installed Glass	19.13	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.90*	

08 81 23 23-0027 Wired Field Installed Glass *(08 81 23 23)*

08 81 23 23-0028 Square Or Diamond Pattern, Wired Field Installed Glass *(08 81 23 23-0027)*

Note: Class I, Form 2, Mesh M1 Or M2, Pattern P2.

08 81 23 23-0029	SF	1/4" Thick, Square Pattern, Wired Field Installed Glass	27.90	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	
08 81 23 23-0030	SF	1/4" Thick, Diamond Pattern, Wired Field Installed Glass	27.90	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	

08 81 23 23-0031 Polished, Wired Field Installed Glass *(08 81 23 23-0027)*

08 81 23 23-0032	SF	1/4" Thick, Polished, Wired Field Installed Glass	29.16	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	

08 81 23 23-0033 Frosted Field Installed Glass *(08 81 23 23)*

08 81 23 23-0034 Frosted Field Installed Glass *(08 81 23 23-0033)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0035	SF	1/8" Thick, Frosted Field Installed Glass	19.31	
		For >50 To 200, Deduct	*-0.21*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.62*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*12.47*	
08 81 23 23-0036	SF	3/16" Thick, Frosted Field Installed Glass	22.40	
		For >50 To 200, Deduct	*-0.27*	
		For >200 To 400, Deduct	*-0.54*	
		For >400, Deduct	*-0.81*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.43*	
08 81 23 23-0037	SF	1/4" Thick, Frosted Field Installed Glass	25.72	
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.68*	
		For >400, Deduct	*-1.02*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	
08 81 23 23-0038	SF	3/8" Thick, Frosted Field Installed Glass	35.17	
		For >50 To 200, Deduct	*-0.51*	
		For >200 To 400, Deduct	*-1.02*	
		For >400, Deduct	*-1.53*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.22*	

08 81 23 23-0039 Fire Rated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0040 Fire Rated Field Installed Glass *(08 81 23 23-0039)*

08 81 23 23-0041	SF	20 Minute, Fire Rated Field Installed Glass	32.95	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	
08 81 23 23-0042	SF	45 Minute, Fire Rated Field Installed Glass	51.34	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	
08 81 23 23-0043	SF	60 Minute, Fire Rated Field Installed Glass	71.50	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	
08 81 23 23-0044	SF	90 Minute, Fire Rated Field Installed Glass	89.98	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	

08 81 23 23-0045 Laminated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0046 Laminated Glass With PVB Interlayer, Field Installed Glass *(08 81 23 23-0045)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0047	SF	1/4" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	26.43	
		For >50 To 200, Deduct	*-0.36*	
		For >200 To 400, Deduct	*-0.72*	
		For >400, Deduct	*-1.08*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.38*	
		For Tinted Glass, Add	*3.01*	
		For Reflective Coated Glass, Add	*5.42*	
		For Low-E Coated Glass, Add	*3.01*	
		For One Piece Heat Strengthened Glass, Add	*2.41*	
		For One Piece Fully Tempered Glass, Add	*2.41*	
08 81 23 23-0048	SF	3/8" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	33.26	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.90*	
		For >400, Deduct	*-1.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.22*	
		For Tinted Glass, Add	*3.76*	
		For Reflective Coated Glass, Add	*6.77*	
		For Low-E Coated Glass, Add	*3.76*	
		For One Piece Heat Strengthened Glass, Add	*3.01*	
		For One Piece Fully Tempered Glass, Add	*3.01*	
08 81 23 23-0049	SF	1/2" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	40.58	
		For >50 To 200, Deduct	*-0.61*	
		For >200 To 400, Deduct	*-1.23*	
		For >400, Deduct	*-1.84*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.14*	
		For Tinted Glass, Add	*5.11*	
		For Reflective Coated Glass, Add	*9.20*	
		For Low-E Coated Glass, Add	*5.11*	
		For One Piece Heat Strengthened Glass, Add	*4.09*	
		For One Piece Fully Tempered Glass, Add	*4.09*	
08 81 23 23-0050	SF	9/16" Thick, Laminated Glass With PVB Interlayer, Field Installed Glass	43.61	
		For >50 To 200, Deduct	*-0.69*	
		For >200 To 400, Deduct	*-1.38*	
		For >400, Deduct	*-2.07*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.62*	
		For Tinted Glass, Add	*5.75*	
		For Reflective Coated Glass, Add	*10.35*	
		For Low-E Coated Glass, Add	*5.75*	
		For One Piece Heat Strengthened Glass, Add	*4.60*	
		For One Piece Fully Tempered Glass, Add	*4.60*	

08 81 23 23-0051 Insulated Field Installed Glass *(08 81 23 23)*

08 81 23 23-0052 Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*

Note: Type I, Class I, Quality Q3.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0053		3/16" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0054	SF	3/8" Thick, Insulated Field Installed Glass	24.09	
		Note: Two 3/32" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.24*	
		For >200 To 400, Deduct	*-0.48*	
		For >400, Deduct	*-0.72*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.11*	
		For Tinted Glass, Add	*2.00*	
		For Reflective Coated Glass, Add	*3.59*	
		For Low-E Coated Glass, Add	*2.00*	
		For One Piece Heat Strengthened Glass, Add	*1.60*	
		For One Piece Fully Tempered Glass, Add	*1.60*	
		For One Piece Obscure Glass, Add	*3.39*	
		For Argon Gas, Add	*1.10*	
08 81 23 23-0055	SF	1/2" Thick, Insulated Field Installed Glass	25.50	
		Note: One 3/16" lite and one 1/8" lite with 3/16" air space.		
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.78*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.78*	
		For Tinted Glass, Add	*2.18*	
		For Reflective Coated Glass, Add	*3.92*	
		For Low-E Coated Glass, Add	*2.18*	
		For One Piece Heat Strengthened Glass, Add	*1.74*	
		For One Piece Fully Tempered Glass, Add	*1.74*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 23-0056	SF	9/16" Thick, Insulated Field Installed Glass	25.81	
		Note: Two 3/16" lites with 3/16" air space.		
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.07*	
		For Tinted Glass, Add	*2.19*	
		For Reflective Coated Glass, Add	*3.93*	
		For Low-E Coated Glass, Add	*2.19*	
		For One Piece Heat Strengthened Glass, Add	*1.75*	
		For One Piece Fully Tempered Glass, Add	*1.75*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 23-0057		1/4" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*		
		Note: Type I, Class I, Quality Q3.		
08 81 23 23-0058	SF	7/16" Thick, Insulated Field Installed Glass	24.62	
		Note: Two 3/32" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.25*	
		For >200 To 400, Deduct	*-0.49*	
		For >400, Deduct	*-0.74*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.40*	
		For Tinted Glass, Add	*2.06*	
		For Reflective Coated Glass, Add	*3.70*	
		For Low-E Coated Glass, Add	*2.06*	
		For One Piece Heat Strengthened Glass, Add	*1.64*	
		For One Piece Fully Tempered Glass, Add	*1.64*	
		For One Piece Obscure Glass, Add	*3.49*	
		For Argon Gas, Add	*1.13*	
08 81 23 23-0059	SF	1/2" Thick, Insulated Field Installed Glass	25.50	
		Note: Two 1/8" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.52*	
		For >400, Deduct	*-0.78*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*16.78*	
		For Tinted Glass, Add	*2.18*	
		For Reflective Coated Glass, Add	*3.92*	
		For Low-E Coated Glass, Add	*2.18*	
		For One Piece Heat Strengthened Glass, Add	*1.74*	
		For One Piece Fully Tempered Glass, Add	*1.74*	
		For One Piece Obscure Glass, Add	*3.71*	
		For Argon Gas, Add	*1.20*	
08 81 23 23-0060	SF	5/8" Thick, Insulated Field Installed Glass	26.72	
		Note: Two 3/16" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.90*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0061	SF	5/8" Thick, Insulated Field Installed Glass	26.72	
		Note: One 1/4" lite and one 1/8" lite with 1/4" air space.		
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.90*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	
08 81 23 23-0062	SF	3/4" Thick, Insulated Field Installed Glass	28.78	
		Note: Two 1/4" lites with 1/4" air space.		
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.54*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	

08 81 23 23-0063 3/8" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0064	SF	5/8" Thick, Insulated Field Installed Glass	26.72	
		Note: Two 1/8" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.26*	
		For >200 To 400, Deduct	*-0.53*	
		For >400, Deduct	*-0.79*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.90*	
		For Tinted Glass, Add	*2.21*	
		For Reflective Coated Glass, Add	*3.97*	
		For Low-E Coated Glass, Add	*2.21*	
		For One Piece Heat Strengthened Glass, Add	*1.76*	
		For One Piece Fully Tempered Glass, Add	*1.76*	
		For One Piece Obscure Glass, Add	*3.75*	
		For Argon Gas, Add	*1.21*	
08 81 23 23-0065	SF	3/4" Thick, Insulated Field Installed Glass	28.78	
		Note: Two 3/16" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.54*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	
08 81 23 23-0066	SF	7/8" Thick, Insulated Field Installed Glass	30.20	
		Note: Two 1/4" lites with 3/8" air space.		
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.95*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	

08 81 23 23-0067 1/2" Air Space, Insulated, Field Installed Glass *(08 81 23 23-0052)*

Note: Type I, Class I, Quality Q3.

08 81 23 23-0068	SF	3/4" Thick, Insulated Field Installed Glass	28.78	
		Note: Two 1/8" lites with 1/2" air space.		
		For >50 To 200, Deduct	*-0.28*	
		For >200 To 400, Deduct	*-0.55*	
		For >400, Deduct	*-0.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.54*	
		For Tinted Glass, Add	*2.31*	
		For Reflective Coated Glass, Add	*4.16*	
		For Low-E Coated Glass, Add	*2.31*	
		For One Piece Heat Strengthened Glass, Add	*1.85*	
		For One Piece Fully Tempered Glass, Add	*1.85*	
		For One Piece Obscure Glass, Add	*3.93*	
		For Argon Gas, Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 81 23 23-0069	SF	7/8" Thick, Insulated Field Installed Glass	30.20	
		Note: Two 3/16" lites with 1/2" air space.		
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.95*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	
08 81 23 23-0070	SF	7/8" Thick, Insulated Field Installed Glass	30.20	
		Note: One 1/4" lite and one 1/8" lite with 1/2" air space.		
		For >50 To 200, Deduct	*-0.31*	
		For >200 To 400, Deduct	*-0.62*	
		For >400, Deduct	*-0.92*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*19.95*	
		For Tinted Glass, Add	*2.56*	
		For Reflective Coated Glass, Add	*4.61*	
		For Low-E Coated Glass, Add	*2.56*	
		For One Piece Heat Strengthened Glass, Add	*2.05*	
		For One Piece Fully Tempered Glass, Add	*2.05*	
		For One Piece Obscure Glass, Add	*4.36*	
		For Argon Gas, Add	*1.41*	
08 81 23 23-0071	SF	1" Thick, Insulated Field Installed Glass	31.35	
		Note: Two 1/4" lites with 1/2" air space.		
		For >50 To 200, Deduct	*-0.34*	
		For >200 To 400, Deduct	*-0.67*	
		For >400, Deduct	*-1.01*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*20.14*	
		For Tinted Glass, Add	*2.80*	
		For Reflective Coated Glass, Add	*5.04*	
		For Low-E Coated Glass, Add	*2.80*	
		For One Piece Heat Strengthened Glass, Add	*2.24*	
		For One Piece Fully Tempered Glass, Add	*2.24*	
		For One Piece Obscure Glass, Add	*4.76*	
		For Argon Gas, Add	*1.54*	

08 81 23 23-0072 Laminated Insulated Glass, Field Installed Glass *(08 81 23 23-0051)*

08 81 23 23-0073	SF	1-5/16" Thick, Laminated Insulating Glass, Field Installed Glass	71.19	
		Note: Insulated glass units consisting of 1/4" thick inner pane, 1/2" air gap, and outer laminated pane of .060" PVB film between two layers 1/4" thick glass.		
		For >50 To 200, Deduct	*-1.34*	
		For >200 To 400, Deduct	*-2.69*	
		For >400, Deduct	*-4.03*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*26.37*	
		For Tinted Glass, Add	*11.21*	
		For Reflective Coated Glass, Add	*20.17*	
		For Low-E Coated Glass, Add	*11.21*	
		For Argon Gas, Add	*6.16*	

08 81 23 23-0074 Spandrel Field Installed Glass *(08 81 23 23)*

08 81 23 23-0075 Monolithic Float Glass Panels Ceramic Back, Coated, Field Installed Glass *(08 81 23 23-0074)*

08 81 23 23-0076	SF	1/4" - 5/16" Spandrel Glass, Up To 1,000 SF, Field Installed Glass	25.73	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.98*	
08 81 23 23-0077	SF	1/4" - 5/16" Spandrel Glass, >1,000 SF, Field Installed Glass	23.64	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.98*	

08 81 23 23-0078 Insulating Float Glass Panels Ceramic Back, Coated, Tempered, Field Installed Glass *(08 81 23 23-0074)*

08 81 23 23-0079 1/4" Glass With 1" Fiberglass Insulation, Field Installed Glass *(08 81 23 23-0078)*

Note: Also with aluminum foil vapor barrier.

08 81 23 23-0080	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation Up To 20,000 SF, Foil Vapor Barrier, Field Installed Glass	27.91	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.98*	
08 81 23 23-0081	SF	1/4" Spandrel Glass With 1" Fiberglass Insulation >20,000 SF, Foil Vapor Barrier, Field Installed Glass	25.54	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.98*	

08 81 23 23-0082 1/4" Glass With 3/4 To 7/8" Insulation, Field Installed Glass *(08 81 23 23-0078)*

08 81 23 23-0083	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 24 Gauge Steel Interfacing, Field Installed Glass	32.02	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.98*	
08 81 23 23-0084	SF	1/4" Spandrel Glass, 3/4" - 7/8" Insulation 16 Gauge Steel Interfacing, Field Installed Glass	27.37	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.98*	

08 83 Mirrors *(08 80)*

Note: Kind FT, Type I, Class I, Quality Q1.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 83 13		**Mirrored Glass Glazing** *(08 83)*		
08 83 13 00-0001		Mirror Glass *(08 83 13)*		
08 83 13 00-0002		One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*		
08 83 13 00-0003	SF	1/4" One-Way Vision Glass (Transparent Mirrors)	41.43	7.19
		For >50 To 200, Deduct	*-0.82*	
		For >200 To 400, Deduct	*-1.36*	
		For >400, Deduct	*-2.18*	
08 83 13 00-0004		Tempered, One-Way Vision Glass (Transparent Mirrors) *(08 83 13 00-0001)*		
08 83 13 00-0005	SF	1/4" Tempered, One-Way Vision Glass (Transparent Mirrors)	53.93	7.19
		For >50 To 200, Deduct	*-1.19*	
		For >200 To 400, Deduct	*-1.99*	
		For >400, Deduct	*-3.18*	
08 83 13 00-0006		Clear Mirror Glass *(08 83 13 00-0001)*		
08 83 13 00-0007	SF	1/8" Clear Mirror Glass	17.55	5.76
		For >50 To 200, Deduct	*-0.18*	
		For >200 To 400, Deduct	*-0.30*	
		For >400, Deduct	*-0.48*	
08 83 13 00-0008	SF	3/16" Clear Mirror Glass	20.55	6.71
		For >50 To 200, Deduct	*-0.22*	
		For >200 To 400, Deduct	*-0.37*	
		For >400, Deduct	*-0.59*	
08 83 13 00-0009	SF	1/4" Clear Mirror Glass	22.38	7.19
		For >50 To 200, Deduct	*-0.25*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.65*	
08 83 13 00-0010		Tempered, Clear Mirror Glass *(08 83 13 00-0001)*		
08 83 13 00-0011	SF	1/8" Tempered, Clear Mirror Glass	24.47	5.76
		For >50 To 200, Deduct	*-0.39*	
		For >200 To 400, Deduct	*-0.65*	
		For >400, Deduct	*-1.04*	
08 83 13 00-0012	SF	3/16" Tempered, Clear Mirror Glass	27.87	6.71
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.73*	
		For >400, Deduct	*-1.17*	
08 83 13 00-0013	SF	1/4" Tempered, Clear Mirror Glass	30.54	7.19
		For >50 To 200, Deduct	*-0.49*	
		For >200 To 400, Deduct	*-0.82*	
		For >400, Deduct	*-1.31*	
08 83 13 00-0014		Clear Mirror Glass With Laminated Safety Backing *(08 83 13 00-0001)*		
08 83 13 00-0015	SF	1/4" Clear Mirror Glass With Laminated Safety Backing	29.74	7.19
		For >50 To 200, Deduct	*-0.47*	
		For >200 To 400, Deduct	*-0.78*	
		For >400, Deduct	*-1.24*	
08 83 13 00-0016		Laminated Safety Mirror Glass *(08 83 13 00-0001)*		
		Note: Clear glass laminated to face of mirror with PVB interlayer.		
08 83 13 00-0017	SF	1/4" Laminated Safety Mirror Glass	53.93	7.19
		For >50 To 200, Deduct	*-1.19*	
		For >200 To 400, Deduct	*-1.99*	
		For >400, Deduct	*-3.18*	
08 83 13 00-0018		Accessories For Mirror Glass *(08 83 13)*		
08 83 13 00-0019	LF	1/8" Aluminum J-Channel For Mounting Mirror Glass	4.48	
08 83 13 00-0020	LF	3/16" Aluminum J-Channel For Mounting Mirror Glass	4.56	
08 83 13 00-0021	LF	1/4" Aluminum J-Channel For Mounting Mirror Glass	5.65	
08 83 13 00-0022	LF	Aluminum Frame For Mounting Mirror Glass	7.18	
08 84		**Plastic Glazing** *(08 80)*		
08 84 00 00-0001		Clear Polycarbonate Glazing (GE Lexan) *(08 84)*		
08 84 00 00-0002	SF	1/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	17.46	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.84*	
		For >400, Deduct	*-1.26*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.05*	
08 84 00 00-0003	SF	3/16" Thick, Clear Polycarbonate Glazing (GE Lexan)	18.41	
		For >50 To 200, Deduct	*-0.45*	
		For >200 To 400, Deduct	*-0.90*	
		For >400, Deduct	*-1.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0004	SF	1/4" Thick, Clear Polycarbonate Glazing (GE Lexan)	21.99	
		For >50 To 200, Deduct	*-0.61*	
		For >200 To 400, Deduct	*-1.22*	
		For >400, Deduct	*-1.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.78*	
08 84 00 00-0005	SF	3/8" Thick, Clear Polycarbonate Glazing (GE Lexan)	31.99	
		For >50 To 200, Deduct	*-1.10*	
		For >200 To 400, Deduct	*-2.19*	
		For >400, Deduct	*-3.29*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.06*	
08 84 00 00-0006	SF	1/2" Thick, Clear Polycarbonate Glazing (GE Lexan)	40.58	
		For >50 To 200, Deduct	*-1.49*	
		For >200 To 400, Deduct	*-2.98*	
		For >400, Deduct	*-4.47*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.78*	

08 84 00 00-0007 Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10) *(08 84)*

08 84 00 00-0008	SF	1/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	26.34	
		For >50 To 200, Deduct	*-0.86*	
		For >200 To 400, Deduct	*-1.73*	
		For >400, Deduct	*-2.59*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.05*	
08 84 00 00-0009	SF	3/16" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	30.68	
		For >50 To 200, Deduct	*-1.06*	
		For >200 To 400, Deduct	*-2.13*	
		For >400, Deduct	*-3.19*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.40*	
08 84 00 00-0010	SF	1/4" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	32.42	
		For >50 To 200, Deduct	*-1.13*	
		For >200 To 400, Deduct	*-2.26*	
		For >400, Deduct	*-3.40*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.78*	
08 84 00 00-0011	SF	3/8" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	53.80	
		For >50 To 200, Deduct	*-2.19*	
		For >200 To 400, Deduct	*-4.37*	
		For >400, Deduct	*-6.56*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.06*	
08 84 00 00-0012	SF	1/2" Thick, Mar-Resistant, Clear Polycarbonate Glazing (GE Lexan MR10)	57.14	
		For >50 To 200, Deduct	*-2.32*	
		For >200 To 400, Deduct	*-4.64*	
		For >400, Deduct	*-6.95*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.78*	

08 84 00 00-0013 Clear Acrylic Glazing (Plexiglas) *(08 84)*

08 84 00 00-0014	SF	1/10" Thick, Clear Acrylic Glazing (Plexiglas)	12.65	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.40*	
		For >400, Deduct	*-0.60*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*8.63*	
		For Colored, Add	*0.80*	
		For Shatterproof, Add	*2.41*	
		For Mirrored, Add	*3.22*	
08 84 00 00-0015	SF	1/8" Thick, Clear Acrylic Glazing (Plexiglas)	13.12	
		For >50 To 200, Deduct	*-0.20*	
		For >200 To 400, Deduct	*-0.41*	
		For >400, Deduct	*-0.61*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.05*	
		For Colored, Add	*0.81*	
		For Shatterproof, Add	*2.44*	
		For Mirrored, Add	*3.26*	
08 84 00 00-0016	SF	3/16" Thick, Clear Acrylic Glazing (Plexiglas)	15.75	
		For >50 To 200, Deduct	*-0.32*	
		For >200 To 400, Deduct	*-0.64*	
		For >400, Deduct	*-0.95*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.40*	
		For Colored, Add	*1.27*	
		For Shatterproof, Add	*3.81*	
		For Mirrored, Add	*5.08*	
08 84 00 00-0017	SF	1/4" Thick, Clear Acrylic Glazing (Plexiglas)	18.14	
		For >50 To 200, Deduct	*-0.42*	
		For >200 To 400, Deduct	*-0.84*	
		For >400, Deduct	*-1.25*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.78*	
		For Colored, Add	*1.67*	
		For Shatterproof, Add	*5.02*	
		For Mirrored, Add	*6.69*	
08 84 00 00-0018	SF	5/16" Thick, Clear Acrylic Glazing (Plexiglas)	18.59	
		For >50 To 200, Deduct	*-0.44*	
		For >200 To 400, Deduct	*-0.88*	
		For >400, Deduct	*-1.31*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*9.83*	
		For Colored, Add	*1.75*	
		For Shatterproof, Add	*5.26*	
		For Mirrored, Add	*7.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 84 00 00-0019	SF	3/8" Thick, Clear Acrylic Glazing (Plexiglas)	19.22	
		For >50 To 200, Deduct	*-0.46*	
		For >200 To 400, Deduct	*-0.92*	
		For >400, Deduct	*-1.37*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.06*	
		For Colored, Add	*1.83*	
		For Shatterproof, Add	*5.50*	
		For Mirrored, Add	*7.33*	
08 84 00 00-0020	SF	1/2" Thick, Clear Acrylic Glazing (Plexiglas)	22.89	
		For >50 To 200, Deduct	*-0.61*	
		For >200 To 400, Deduct	*-1.21*	
		For >400, Deduct	*-1.82*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*10.78*	
		For Colored, Add	*2.42*	
		For Shatterproof, Add	*7.27*	
		For Mirrored, Add	*9.69*	
08 84 00 00-0021	SF	3/4" Thick, Clear Acrylic Glazing (Plexiglas)	32.52	
		For >50 To 200, Deduct	*-0.94*	
		For >200 To 400, Deduct	*-1.89*	
		For >400, Deduct	*-2.83*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*13.65*	
08 84 00 00-0022	SF	1" Thick, Clear Acrylic Glazing (Plexiglas)	43.85	
		For >50 To 200, Deduct	*-1.45*	
		For >200 To 400, Deduct	*-2.90*	
		For >400, Deduct	*-4.35*	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.83*	

08 85 Glazing Accessories *(08 80)*

Note: Applicable to reglazing tasks only, new window installations include the gasket.

08 85 00 00-0001 Framing For Glass Windscreens *(08 85)*

Note: Excludes glazing.

08 85 00 00-0002	LF	1-1/4" x 1-1/2" Aluminum Framed Window Walls	28.06	1.91
		For Bronze Anodized Aluminum, Add	*3.42*	
		For Stainless Steel, Add	*13.96*	
		For Black Anodized Finish, Add	*6.16*	
08 85 00 00-0003	LF	1-1/2" x 2" Aluminum Framed Window Walls	34.73	2.38
		For Bronze Anodized Aluminum, Add	*4.35*	
		For Stainless Steel, Add	*17.70*	
		For Black Anodized Finish, Add	*7.84*	
08 85 00 00-0004	LF	1-1/2" x 3" Aluminum Framed Window Walls	41.36	1.91
		For Bronze Anodized Aluminum, Add	*5.20*	
		For Stainless Steel, Add	*21.15*	
		For Black Anodized Finish, Add	*9.37*	
08 85 00 00-0005	LF	1-1/2" x 4" Aluminum Framed Window Walls	50.02	2.85
		For Bronze Anodized Aluminum, Add	*6.22*	
		For Stainless Steel, Add	*25.30*	
		For Black Anodized Finish, Add	*11.19*	
08 85 00 00-0006	LF	2" x 3" Aluminum Framed Window Walls	51.21	2.38
		For Bronze Anodized Aluminum, Add	*6.61*	
		For Stainless Steel, Add	*26.80*	
		For Black Anodized Finish, Add	*11.90*	
08 85 00 00-0007	LF	2" x 4" Aluminum Framed Window Walls	62.16	2.85
		For Bronze Anodized Aluminum, Add	*7.90*	
		For Stainless Steel, Add	*32.06*	
		For Black Anodized Finish, Add	*14.21*	

08 87 Glazing Surface Films *(08 80)*

08 87 13 Solar Control Films *(08 87)*

Note: Applied directly to one side of glazing with adhesive.

08 87 13 00-0001 Window Tinting And Film *(08 87 13)*

Note: Applied directly to one side of glazing with adhesive. Includes cleaning of window glazing prior to installation.

08 87 13 00-0002	SF	20% VLT, Bronze Window Tinting Film	8.79
08 87 13 00-0003	SF	50% VLT, Bronze Window Tinting Film	8.79
08 87 13 00-0004	SF	Tinted, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	13.31
08 87 13 00-0005	SF	Low E, Abrasion Resistant, Solar Control Window Film (3M Scotchtint™)	13.72

08 87 23 Safety and Security Films *(08 87)*

08 87 23 16 Security Films *(08 87 23)*

Note: Applied directly to one side of glazing with adhesive and secured at window frame with clear silicone adhesive.

08 87 23 16-0001 High Performance, Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0002 Clear, High Performance, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0003	SF	0.002" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL150)	13.50
		For >1,000 To 5,000, Deduct	*-0.62*
		For >5,000, Deduct	*-0.85*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 87 23 16-0004	SF	0.004" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ SCLARL400)	14.26	
		For >1,000 To 5,000, Deduct	*-0.65*	
		For >5,000, Deduct	*-0.93*	
08 87 23 16-0005	SF	0.006" Clear, High Performance, Security And Safety Glazing Film (3M Scotchshield™ Ultra600)	15.32	
		For >1,000 To 5,000, Deduct	*-0.69*	
		For >5,000, Deduct	*-1.03*	

08 87 23 16-0006 Tinted, High Performance Sun/Solar, Security And Safety Glazing Films *(08 87 23 16-0001)*

08 87 23 16-0007	SF	0.004" Silver, 20% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S20SIAR400)	15.10	
		For >1,000 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-1.01*	
08 87 23 16-0008	SF	0.004" Neutral, 35% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S35NEAR400)	15.10	
		For >1,000 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-1.01*	
08 87 23 16-0009	SF	0.004" Neutral, 50% Transmission, High Performance Sun/Solar, Security And Safety Glazing Film (3M Scotchshield™ S50NEAR400)	15.10	
		For >1,000 To 5,000, Deduct	*-0.68*	
		For >5,000, Deduct	*-1.01*	

08 87 23 16-0010 Security And Safety Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0011	SF	0.007" Clear Security And Safety Glazing Film (3M Scotchshield™ SH7CLARL)	12.66	
		For >1,000 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-0.77*	
08 87 23 16-0012	SF	0.008" Clear Security And Safety Glazing Film (3M Scotchshield™ SH8CLARL)	12.86	
		For >1,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.79*	
08 87 23 16-0013	SF	0.014" Clear Security And Safety Glazing Film (3M Scotchshield™ SH14CLARL)	14.77	
		For >1,000 To 5,000, Deduct	*-0.67*	
		For >5,000, Deduct	*-0.98*	

08 87 23 16-0014 Anti-Graffiti Glazing Films *(08 87 23 16)*

Note: Includes cleaning of window glazing prior to installation.

08 87 23 16-0015	SF	0.004" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-4)	12.66	
		For >1,000 To 5,000, Deduct	*-0.59*	
		For >5,000, Deduct	*-0.77*	
08 87 23 16-0016	SF	0.007" Clear Anti-Graffiti Glazing Film (3M Scotchgard™ AG-7)	12.86	
		For >1,000 To 5,000, Deduct	*-0.60*	
		For >5,000, Deduct	*-0.79*	

08 88 Special Function Glazing *(08 80)*

08 88 53 Security Glazing *(08 88)*

08 88 53 00-0001 Forced Entry And/Or Ballistic Resistant All Glass Laminate *(08 88 53)*

08 88 53 00-0002 Ballistic Resistant Glass *(08 88 53 00-0001)*

08 88 53 00-0003	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, Up To 15 SF	120.79	
		For Glass Removal And Preparing Opening For New Glazing, Add	*59.45*	
08 88 53 00-0004	SF	1.28" All Glass Laminate Ballistic Resistant Glass, 16.2 LB/SF, For A Single Piece, >15 SF	141.57	
		For Glass Removal And Preparing Opening For New Glazing, Add	*59.45*	
08 88 53 00-0005	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, Up To 15 SF	160.57	
		For Glass Removal And Preparing Opening For New Glazing, Add	*67.13*	
08 88 53 00-0006	SF	1.55" All Glass Laminate Ballistic Resistant Glass, 21.2 LB/SF, For A Single Piece, >15 SF	177.93	
		For Glass Removal And Preparing Opening For New Glazing, Add	*67.13*	
08 88 53 00-0007	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, Up To 15 SF	202.23	
		For Glass Removal And Preparing Opening For New Glazing, Add	*76.71*	
08 88 53 00-0008	SF	2.05" All Glass Laminate Ballistic Resistant Glass, 26.1 LB/SF, For A Single Piece, >15 SF	216.19	
		For Glass Removal And Preparing Opening For New Glazing, Add	*76.71*	

08 88 53 00-0009 Forced Entry Resistant Glass *(08 88 53 00-0001)*

08 88 53 00-0010	SF	5/16" Forced Entry Resistant Laminated Glass Sheet	36.39	
		For Glass Removal And Preparing Opening For New Glazing, Add	*14.98*	
08 88 53 00-0011	SF	1/2" Forced Entry Resistant Laminated Glass Sheet	41.01	
		For Glass Removal And Preparing Opening For New Glazing, Add	*15.98*	
08 88 53 00-0012	SF	11/16" Forced Entry Resistant Laminated Glass Sheet	46.45	
		For Glass Removal And Preparing Opening For New Glazing, Add	*17.12*	
08 88 53 00-0013	SF	7/8" Forced Entry Resistant Laminated Glass Sheet	52.17	
		For Glass Removal And Preparing Opening For New Glazing, Add	*18.44*	

08 88 53 00-0014 Glass Clad Polycarbonate *(08 88 53)*

08 88 53 00-0015	SF	0.75" Ballistic Resistant Glass/Poly, 7.84 LB/SF	176.33	
		For Glass Removal And Preparing Opening For New Glazing, Add	*72.87*	
08 88 53 00-0016	SF	0.8125" Ballistic Resistant Glass/Poly, 8.99 LB/SF	197.26	
		For Glass Removal And Preparing Opening For New Glazing, Add	*84.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 88 53 00-0017	SF	0.9375" Ballistic Resistant Glass/Poly, 11.11 LB/SF	251.75	
		For Glass Removal And Preparing Opening For New Glazing, Add	*95.89*	

08 88 53 00-0018 Ballistic Resistant Acrylic *(08 88 53)*

08 88 53 00-0019	SF	1.25" Ballistic Resistant Acrylic Glass, 7.7 LB/SF	301.29	
		For Glass Removal And Preparing Opening For New Glazing, Add	*72.87*	
08 88 53 00-0020	SF	1.378" Ballistic Resistant Acrylic Glass, 8.5 LB/SF	353.12	
		For Glass Removal And Preparing Opening For New Glazing, Add	*84.39*	
08 88 53 00-0021	SF	1.25" Ballistic Resistant Acrylic Glass, 7.5 LB/SF	472.11	
		For Glass Removal And Preparing Opening For New Glazing, Add	*95.89*	

08 88 53 00-0022 Ballistic Resistant Fiberglass *(08 88 53)*

08 88 53 00-0023	SF	5/16" Ballistic Resistant Fiberglass, Level 1, 3.2 LB/SF	74.60	
		For Glass Removal And Preparing Opening For New Glazing, Add	*36.44*	
08 88 53 00-0024	SF	3/8" Ballistic Resistant Fiberglass, Level 2, 3.5 LB/SF	88.22	
		For Glass Removal And Preparing Opening For New Glazing, Add	*42.19*	
08 88 53 00-0025	SF	7/16" Ballistic Resistant Fiberglass, Level 3, 4.5 LB/SF	100.07	
		For Glass Removal And Preparing Opening For New Glazing, Add	*47.94*	

08 88 53 00-0026 Forced Entry And/Or Ballistic Resistant Polycarbonate *(08 88 53)*

08 88 53 00-0027 Forced Entry Resistant Monolithic Polycarbonate *(08 88 53 00-0026)*

Note: GE-Lexan MR10.

08 88 53 00-0028	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level 1 or ASTM F1233, Class II (Step 5).	92.42	
		For Glass Removal And Preparing Opening For New Glazing, Add	*58.11*	

08 88 53 00-0029 Forced Entry Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Chemically strengthened clear glass laminated to each side of a polycarbonate core. GE-Insulgard.

08 88 53 00-0030	SF	9/16" Overall Nominal Thickness, H.P. White TP-0500.01	114.28	
		For Glass Removal And Preparing Opening For New Glazing, Add	*71.92*	

08 88 53 00-0031 Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*

Note: GE-Lexgard MPC-500.

08 88 53 00-0032	SF	1/2" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level II (Step 12) Or ASTM 1233 Class III (Step 15).	137.85	
		For Glass Removal And Preparing Opening For New Glazing, Add	*76.71*	

08 88 53 00-0033 Fire Resistant, Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Wire glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Firegard.

08 88 53 00-0034	SF	7/8" Overall Nominal Thickness, H.P. White TP-0500.01 Note: UL-9 Fire Resistant.	150.51	
		For Glass Removal And Preparing Opening For New Glazing, Add	*81.51*	

08 88 53 00-0035 Insulated, Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Glass clad. Chemically strengthened wire glass laminated to each side of a polycarbonate core. GE-Insulgard.

08 88 53 00-0036	SF	1-5/16" Overall Nominal Thickness, H.P. White TP-0500.01 Note: Level I (1/4" tempered float glass, 1/2" airspace).	129.42	
		For Glass Removal And Preparing Opening For New Glazing, Add	*71.92*	

08 88 53 00-0037 Ballistic And Forced Entry Resistant Polycarbonate Laminate *(08 88 53 00-0026)*

08 88 53 00-0038	SF	1" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (step 42) or ASTM 1233 class V (Step 40) ballistic resistance: UL 752, level 2-high powered small arms (.357 Magnum handgun).	297.07	
		For Glass Removal And Preparing Opening For New Glazing, Add	*159.17*	
08 88 53 00-0039	SF	1-1/4" Nominal Thickness, Ballistic Or Forced Entry Resistant Note: 1 1/4" is the overall nominal thickness. (GE-Lexgard MP-1000) forced entry resistance: H.P. White TP-0500.01, level V (Step 42) or ASTM 1233 class V (step 40) ballistic resistance: UL 752, level 3-super high powered small arms (.44 Magnum handgun).	300.33	
		For Glass Removal And Preparing Opening For New Glazing, Add	*159.17*	

08 88 53 00-0040 Ballistic Resistant Glass Clad Polycarbonate Laminate *(08 88 53 00-0026)*

Note: Chemically strengthened clear glass laminated to attack side of a polycarbonate core.

08 88 53 00-0041	SF	1-5/16" Overall Nominal Thickness, Ballistic Resistant Note: UL 752, Level 4 - Super High Powered Rifle (.30-06 Rifle), (GE-Armor-Gard).	198.05	
		For Glass Removal And Preparing Opening For New Glazing, Add	*107.39*	

08 90 Louvers and Vents *(08)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

08 91 Louvers *(08 90)*

08 91 13 Motorized Wall Louvers *(08 91)*

08 91 13 00-0001 Motorized Wall Louver Actuator *(08 91 13)*

See CSI section 08 91 16 00-0001 for adjustable intake wall louvers.

08 91 13 00-0002	EA	115 Volt Actuator For Adjustable Intake Louver	1,515.85	83.00
08 91 13 00-0003	EA	230 Volt Actuator For Adjustable Intake Louver	2,334.01	83.00
08 91 13 00-0004	EA	24 Volt Actuator For Adjustable Intake Louver	1,632.47	83.00
08 91 13 00-0005	EA	115 Volt Hazardous Location Actuator For Adjustable Intake Louver	6,434.87	83.00

08 91 16 Operable Wall Louvers *(08 91)*

08 91 16 00-0001 Adjustable Intake Wall Louvers *(08 91 16)*

See CSI section 08 91 16 00-0137 for adjustable intake wall louver operators.

08 91 16 00-0002	EA	12" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	418.41	21.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*37.45*	
		For Clear Lacquer Finish, Add	*74.89*	
		For Baked Enamel Standard Colors, Add	*112.34*	
		For Anodized Finish, Add	*149.78*	
		For Kynar® Standard Colors Finish, Add	*205.95*	
08 91 16 00-0003	EA	12" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	522.93	26.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.92*	
		For Clear Lacquer Finish, Add	*93.84*	
		For Baked Enamel Standard Colors, Add	*140.77*	
		For Anodized Finish, Add	*187.69*	
		For Kynar® Standard Colors Finish, Add	*258.07*	
08 91 16 00-0004	EA	12" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	618.33	31.74
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*55.49*	
		For Clear Lacquer Finish, Add	*110.97*	
		For Baked Enamel Standard Colors, Add	*166.46*	
		For Anodized Finish, Add	*221.94*	
		For Kynar® Standard Colors Finish, Add	*305.17*	
08 91 16 00-0005	EA	12" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	723.77	36.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*65.05*	
		For Clear Lacquer Finish, Add	*130.11*	
		For Baked Enamel Standard Colors, Add	*195.16*	
		For Anodized Finish, Add	*260.21*	
		For Kynar® Standard Colors Finish, Add	*357.79*	
08 91 16 00-0006	EA	12" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	815.52	41.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*73.25*	
		For Clear Lacquer Finish, Add	*146.50*	
		For Baked Enamel Standard Colors, Add	*219.76*	
		For Anodized Finish, Add	*293.01*	
		For Kynar® Standard Colors Finish, Add	*402.89*	
08 91 16 00-0007	EA	12" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	962.87	46.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*87.01*	
		For Clear Lacquer Finish, Add	*174.02*	
		For Baked Enamel Standard Colors, Add	*261.03*	
		For Anodized Finish, Add	*348.04*	
		For Kynar® Standard Colors Finish, Add	*478.56*	
08 91 16 00-0008	EA	12" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,097.45	51.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*99.49*	
		For Clear Lacquer Finish, Add	*198.98*	
		For Baked Enamel Standard Colors, Add	*298.48*	
		For Anodized Finish, Add	*397.97*	
		For Kynar® Standard Colors Finish, Add	*547.21*	
08 91 16 00-0009	EA	12" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,218.70	58.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*110.15*	
		For Clear Lacquer Finish, Add	*220.30*	
		For Baked Enamel Standard Colors, Add	*330.46*	
		For Anodized Finish, Add	*440.61*	
		For Kynar® Standard Colors Finish, Add	*605.84*	
08 91 16 00-0010	EA	12" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,300.45	63.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*117.35*	
		For Clear Lacquer Finish, Add	*234.70*	
		For Baked Enamel Standard Colors, Add	*352.05*	
		For Anodized Finish, Add	*469.40*	
		For Kynar® Standard Colors Finish, Add	*645.43*	
08 91 16 00-0011	EA	12" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,403.14	68.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*126.64*	
		For Clear Lacquer Finish, Add	*253.29*	
		For Baked Enamel Standard Colors, Add	*379.93*	
		For Anodized Finish, Add	*506.57*	
		For Kynar® Standard Colors Finish, Add	*696.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0012	EA	12" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,493.09	73.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*134.66*	
		For Clear Lacquer Finish, Add	*269.32*	
		For Baked Enamel Standard Colors, Add	*403.98*	
		For Anodized Finish, Add	*538.64*	
		For Kynar® Standard Colors Finish, Add	*740.64*	
08 91 16 00-0013	EA	12" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,608.54	78.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*145.23*	
		For Clear Lacquer Finish, Add	*290.46*	
		For Baked Enamel Standard Colors, Add	*435.69*	
		For Anodized Finish, Add	*580.92*	
		For Kynar® Standard Colors Finish, Add	*798.76*	
08 91 16 00-0014	EA	12" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,719.44	83.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*155.34*	
		For Clear Lacquer Finish, Add	*310.69*	
		For Baked Enamel Standard Colors, Add	*466.03*	
		For Anodized Finish, Add	*621.37*	
		For Kynar® Standard Colors Finish, Add	*854.39*	
08 91 16 00-0015	EA	12" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	1,857.08	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*167.64*	
		For Clear Lacquer Finish, Add	*335.28*	
		For Baked Enamel Standard Colors, Add	*502.93*	
		For Anodized Finish, Add	*670.57*	
		For Kynar® Standard Colors Finish, Add	*922.03*	
08 91 16 00-0016	EA	12" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	1,958.28	97.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*176.30*	
		For Clear Lacquer Finish, Add	*352.60*	
		For Baked Enamel Standard Colors, Add	*528.89*	
		For Anodized Finish, Add	*705.19*	
		For Kynar® Standard Colors Finish, Add	*969.64*	
08 91 16 00-0017	EA	18" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	469.17	26.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*41.55*	
		For Clear Lacquer Finish, Add	*83.09*	
		For Baked Enamel Standard Colors, Add	*124.64*	
		For Anodized Finish, Add	*166.18*	
		For Kynar® Standard Colors Finish, Add	*228.50*	
08 91 16 00-0018	EA	18" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	592.23	34.18
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*52.39*	
		For Clear Lacquer Finish, Add	*104.78*	
		For Baked Enamel Standard Colors, Add	*157.16*	
		For Anodized Finish, Add	*209.55*	
		For Kynar® Standard Colors Finish, Add	*288.13*	
08 91 16 00-0019	EA	18" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	694.93	39.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*61.68*	
		For Clear Lacquer Finish, Add	*123.36*	
		For Baked Enamel Standard Colors, Add	*185.04*	
		For Anodized Finish, Add	*246.72*	
		For Kynar® Standard Colors Finish, Add	*339.25*	
08 91 16 00-0020	EA	18" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	864.80	48.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*76.72*	
		For Clear Lacquer Finish, Add	*153.43*	
		For Baked Enamel Standard Colors, Add	*230.15*	
		For Anodized Finish, Add	*306.86*	
		For Kynar® Standard Colors Finish, Add	*421.93*	
08 91 16 00-0021	EA	18" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	983.90	53.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*87.65*	
		For Clear Lacquer Finish, Add	*175.30*	
		For Baked Enamel Standard Colors, Add	*262.94*	
		For Anodized Finish, Add	*350.59*	
		For Kynar® Standard Colors Finish, Add	*482.06*	
08 91 16 00-0022	EA	18" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,102.99	58.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*98.58*	
		For Clear Lacquer Finish, Add	*197.16*	
		For Baked Enamel Standard Colors, Add	*295.74*	
		For Anodized Finish, Add	*394.32*	
		For Kynar® Standard Colors Finish, Add	*542.20*	
08 91 16 00-0023	EA	18" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,245.78	63.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*111.88*	
		For Clear Lacquer Finish, Add	*223.77*	
		For Baked Enamel Standard Colors, Add	*335.65*	
		For Anodized Finish, Add	*447.53*	
		For Kynar® Standard Colors Finish, Add	*615.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0024	EA	18" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,381.61	70.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*124.00*	
		For Clear Lacquer Finish, Add	*248.00*	
		For Baked Enamel Standard Colors, Add	*372.00*	
		For Anodized Finish, Add	*496.00*	
		For Kynar® Standard Colors Finish, Add	*682.01*	
08 91 16 00-0025	EA	18" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,490.10	78.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*133.39*	
		For Clear Lacquer Finish, Add	*266.77*	
		For Baked Enamel Standard Colors, Add	*400.16*	
		For Anodized Finish, Add	*533.54*	
		For Kynar® Standard Colors Finish, Add	*733.62*	
08 91 16 00-0026	EA	18" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,594.61	83.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*142.86*	
		For Clear Lacquer Finish, Add	*285.72*	
		For Baked Enamel Standard Colors, Add	*428.58*	
		For Anodized Finish, Add	*571.44*	
		For Kynar® Standard Colors Finish, Add	*785.73*	
08 91 16 00-0027	EA	18" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,692.76	87.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*151.70*	
		For Clear Lacquer Finish, Add	*303.40*	
		For Baked Enamel Standard Colors, Add	*455.09*	
		For Anodized Finish, Add	*606.79*	
		For Kynar® Standard Colors Finish, Add	*834.34*	
08 91 16 00-0028	EA	18" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	1,820.05	92.77
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*163.45*	
		For Clear Lacquer Finish, Add	*326.90*	
		For Baked Enamel Standard Colors, Add	*490.35*	
		For Anodized Finish, Add	*653.80*	
		For Kynar® Standard Colors Finish, Add	*898.98*	
08 91 16 00-0029	EA	18" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	1,942.79	97.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*174.75*	
		For Clear Lacquer Finish, Add	*349.50*	
		For Baked Enamel Standard Colors, Add	*524.25*	
		For Anodized Finish, Add	*699.00*	
		For Kynar® Standard Colors Finish, Add	*961.12*	
08 91 16 00-0030	EA	18" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,092.28	104.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*188.23*	
		For Clear Lacquer Finish, Add	*376.47*	
		For Baked Enamel Standard Colors, Add	*564.70*	
		For Anodized Finish, Add	*752.93*	
		For Kynar® Standard Colors Finish, Add	*1,035.28*	
08 91 16 00-0031	EA	18" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,205.33	112.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*198.07*	
		For Clear Lacquer Finish, Add	*396.15*	
		For Baked Enamel Standard Colors, Add	*594.22*	
		For Anodized Finish, Add	*792.29*	
		For Kynar® Standard Colors Finish, Add	*1,089.40*	
08 91 16 00-0032	EA	24" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	524.49	31.74
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*46.10*	
		For Clear Lacquer Finish, Add	*92.20*	
		For Baked Enamel Standard Colors, Add	*138.31*	
		For Anodized Finish, Add	*184.41*	
		For Kynar® Standard Colors Finish, Add	*253.56*	
08 91 16 00-0033	EA	24" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	665.78	39.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*58.77*	
		For Clear Lacquer Finish, Add	*117.53*	
		For Baked Enamel Standard Colors, Add	*176.30*	
		For Anodized Finish, Add	*235.06*	
		For Kynar® Standard Colors Finish, Add	*323.21*	
08 91 16 00-0034	EA	24" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	825.29	46.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*73.25*	
		For Clear Lacquer Finish, Add	*146.50*	
		For Baked Enamel Standard Colors, Add	*219.76*	
		For Anodized Finish, Add	*293.01*	
		For Kynar® Standard Colors Finish, Add	*402.89*	
08 91 16 00-0035	EA	24" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	973.29	56.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*86.10*	
		For Clear Lacquer Finish, Add	*172.20*	
		For Baked Enamel Standard Colors, Add	*258.30*	
		For Anodized Finish, Add	*344.40*	
		For Kynar® Standard Colors Finish, Add	*473.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0036	EA	24" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,104.24	61.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*98.22*	
		For Clear Lacquer Finish, Add	*196.43*	
		For Baked Enamel Standard Colors, Add	*294.65*	
		For Anodized Finish, Add	*392.87*	
		For Kynar® Standard Colors Finish, Add	*540.19*	
08 91 16 00-0037	EA	24" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,242.46	65.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*111.06*	
		For Clear Lacquer Finish, Add	*222.13*	
		For Baked Enamel Standard Colors, Add	*333.19*	
		For Anodized Finish, Add	*444.25*	
		For Kynar® Standard Colors Finish, Add	*610.85*	
08 91 16 00-0038	EA	24" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,412.91	73.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*126.64*	
		For Clear Lacquer Finish, Add	*253.29*	
		For Baked Enamel Standard Colors, Add	*379.93*	
		For Anodized Finish, Add	*506.57*	
		For Kynar® Standard Colors Finish, Add	*696.54*	
08 91 16 00-0039	EA	24" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,556.35	83.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*139.03*	
		For Clear Lacquer Finish, Add	*278.07*	
		For Baked Enamel Standard Colors, Add	*417.10*	
		For Anodized Finish, Add	*556.14*	
		For Kynar® Standard Colors Finish, Add	*764.69*	
08 91 16 00-0040	EA	24" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,668.16	87.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*149.24*	
		For Clear Lacquer Finish, Add	*298.48*	
		For Baked Enamel Standard Colors, Add	*447.71*	
		For Anodized Finish, Add	*596.95*	
		For Kynar® Standard Colors Finish, Add	*820.81*	
08 91 16 00-0041	EA	24" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,789.72	97.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*159.44*	
		For Clear Lacquer Finish, Add	*318.88*	
		For Baked Enamel Standard Colors, Add	*478.33*	
		For Anodized Finish, Add	*637.77*	
		For Kynar® Standard Colors Finish, Add	*876.93*	
08 91 16 00-0042	EA	24" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	1,903.36	102.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*169.83*	
		For Clear Lacquer Finish, Add	*339.66*	
		For Baked Enamel Standard Colors, Add	*509.49*	
		For Anodized Finish, Add	*679.32*	
		For Kynar® Standard Colors Finish, Add	*934.06*	
08 91 16 00-0043	EA	24" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,057.99	107.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*184.32*	
		For Clear Lacquer Finish, Add	*368.63*	
		For Baked Enamel Standard Colors, Add	*552.95*	
		For Anodized Finish, Add	*737.26*	
		For Kynar® Standard Colors Finish, Add	*1,013.74*	
08 91 16 00-0044	EA	24" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,188.93	112.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*196.43*	
		For Clear Lacquer Finish, Add	*392.87*	
		For Baked Enamel Standard Colors, Add	*589.30*	
		For Anodized Finish, Add	*785.73*	
		For Kynar® Standard Colors Finish, Add	*1,080.38*	
08 91 16 00-0045	EA	24" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,353.91	119.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*211.47*	
		For Clear Lacquer Finish, Add	*422.93*	
		For Baked Enamel Standard Colors, Add	*634.40*	
		For Anodized Finish, Add	*845.86*	
		For Kynar® Standard Colors Finish, Add	*1,163.06*	
08 91 16 00-0046	EA	24" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,475.16	126.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*222.13*	
		For Clear Lacquer Finish, Add	*444.25*	
		For Baked Enamel Standard Colors, Add	*666.38*	
		For Anodized Finish, Add	*888.50*	
		For Kynar® Standard Colors Finish, Add	*1,221.69*	
08 91 16 00-0047	EA	30" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	584.37	36.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*51.11*	
		For Clear Lacquer Finish, Add	*102.23*	
		For Baked Enamel Standard Colors, Add	*153.34*	
		For Anodized Finish, Add	*204.45*	
		For Kynar® Standard Colors Finish, Add	*281.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0048	EA	30" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	778.24	48.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*68.06*	
		For Clear Lacquer Finish, Add	*136.12*	
		For Baked Enamel Standard Colors, Add	*204.18*	
		For Anodized Finish, Add	*272.24*	
		For Kynar® Standard Colors Finish, Add	*374.32*	
08 91 16 00-0049	EA	30" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	924.09	56.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.18*	
		For Clear Lacquer Finish, Add	*162.36*	
		For Baked Enamel Standard Colors, Add	*243.54*	
		For Anodized Finish, Add	*324.72*	
		For Kynar® Standard Colors Finish, Add	*446.48*	
08 91 16 00-0050	EA	30" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,083.61	63.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*95.67*	
		For Clear Lacquer Finish, Add	*191.33*	
		For Baked Enamel Standard Colors, Add	*287.00*	
		For Anodized Finish, Add	*382.66*	
		For Kynar® Standard Colors Finish, Add	*526.16*	
08 91 16 00-0051	EA	30" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,226.39	68.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*108.97*	
		For Clear Lacquer Finish, Add	*217.94*	
		For Baked Enamel Standard Colors, Add	*326.90*	
		For Anodized Finish, Add	*435.87*	
		For Kynar® Standard Colors Finish, Add	*599.32*	
08 91 16 00-0052	EA	30" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,374.06	75.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*122.27*	
		For Clear Lacquer Finish, Add	*244.54*	
		For Baked Enamel Standard Colors, Add	*366.81*	
		For Anodized Finish, Add	*489.08*	
		For Kynar® Standard Colors Finish, Add	*672.49*	
08 91 16 00-0053	EA	30" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,551.47	80.56
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*139.03*	
		For Clear Lacquer Finish, Add	*278.07*	
		For Baked Enamel Standard Colors, Add	*417.10*	
		For Anodized Finish, Add	*556.14*	
		For Kynar® Standard Colors Finish, Add	*764.69*	
08 91 16 00-0054	EA	30" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,702.78	87.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*152.70*	
		For Clear Lacquer Finish, Add	*305.40*	
		For Baked Enamel Standard Colors, Add	*458.10*	
		For Anodized Finish, Add	*610.80*	
		For Kynar® Standard Colors Finish, Add	*839.85*	
08 91 16 00-0055	EA	30" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	1,827.34	92.77
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*164.18*	
		For Clear Lacquer Finish, Add	*328.36*	
		For Baked Enamel Standard Colors, Add	*492.54*	
		For Anodized Finish, Add	*656.72*	
		For Kynar® Standard Colors Finish, Add	*902.99*	
08 91 16 00-0056	EA	30" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	1,963.49	102.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*175.84*	
		For Clear Lacquer Finish, Add	*351.68*	
		For Baked Enamel Standard Colors, Add	*527.53*	
		For Anodized Finish, Add	*703.37*	
		For Kynar® Standard Colors Finish, Add	*967.13*	
08 91 16 00-0057	EA	30" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,093.85	109.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*187.41*	
		For Clear Lacquer Finish, Add	*374.83*	
		For Baked Enamel Standard Colors, Add	*562.24*	
		For Anodized Finish, Add	*749.65*	
		For Kynar® Standard Colors Finish, Add	*1,030.77*	
08 91 16 00-0058	EA	30" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,258.50	114.74
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*202.90*	
		For Clear Lacquer Finish, Add	*405.80*	
		For Baked Enamel Standard Colors, Add	*608.71*	
		For Anodized Finish, Add	*811.61*	
		For Kynar® Standard Colors Finish, Add	*1,115.96*	
08 91 16 00-0059	EA	30" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,401.29	119.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*216.20*	
		For Clear Lacquer Finish, Add	*432.41*	
		For Baked Enamel Standard Colors, Add	*648.61*	
		For Anodized Finish, Add	*864.82*	
		For Kynar® Standard Colors Finish, Add	*1,189.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0060	EA	30" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,574.47	126.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*232.06*	
		For Clear Lacquer Finish, Add	*464.11*	
		For Baked Enamel Standard Colors, Add	*696.17*	
		For Anodized Finish, Add	*928.23*	
		For Kynar® Standard Colors Finish, Add	*1,276.31*	
08 91 16 00-0061	EA	30" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,712.12	134.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*244.36*	
		For Clear Lacquer Finish, Add	*488.71*	
		For Baked Enamel Standard Colors, Add	*733.07*	
		For Anodized Finish, Add	*977.43*	
		For Kynar® Standard Colors Finish, Add	*1,343.96*	
08 91 16 00-0062	EA	36" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	639.68	41.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*55.67*	
		For Clear Lacquer Finish, Add	*111.34*	
		For Baked Enamel Standard Colors, Add	*167.00*	
		For Anodized Finish, Add	*222.67*	
		For Kynar® Standard Colors Finish, Add	*306.17*	
08 91 16 00-0063	EA	36" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	866.37	53.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*75.90*	
		For Clear Lacquer Finish, Add	*151.79*	
		For Baked Enamel Standard Colors, Add	*227.69*	
		For Anodized Finish, Add	*303.58*	
		For Kynar® Standard Colors Finish, Add	*417.42*	
08 91 16 00-0064	EA	36" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,013.13	61.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*89.11*	
		For Clear Lacquer Finish, Add	*178.21*	
		For Baked Enamel Standard Colors, Add	*267.32*	
		For Anodized Finish, Add	*356.42*	
		For Kynar® Standard Colors Finish, Add	*490.08*	
08 91 16 00-0065	EA	36" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,188.12	68.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*105.14*	
		For Clear Lacquer Finish, Add	*210.28*	
		For Baked Enamel Standard Colors, Add	*315.42*	
		For Anodized Finish, Add	*420.56*	
		For Kynar® Standard Colors Finish, Add	*578.28*	
08 91 16 00-0066	EA	36" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,350.17	74.21
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*120.17*	
		For Clear Lacquer Finish, Add	*240.35*	
		For Baked Enamel Standard Colors, Add	*360.52*	
		For Anodized Finish, Add	*480.70*	
		For Kynar® Standard Colors Finish, Add	*660.96*	
08 91 16 00-0067	EA	36" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,502.27	80.56
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*134.11*	
		For Clear Lacquer Finish, Add	*268.23*	
		For Baked Enamel Standard Colors, Add	*402.34*	
		For Anodized Finish, Add	*536.46*	
		For Kynar® Standard Colors Finish, Add	*737.63*	
08 91 16 00-0068	EA	36" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,700.64	85.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*152.97*	
		For Clear Lacquer Finish, Add	*305.95*	
		For Baked Enamel Standard Colors, Add	*458.92*	
		For Anodized Finish, Add	*611.90*	
		For Kynar® Standard Colors Finish, Add	*841.36*	
08 91 16 00-0069	EA	36" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	1,871.08	92.77
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*168.55*	
		For Clear Lacquer Finish, Add	*337.11*	
		For Baked Enamel Standard Colors, Add	*505.66*	
		For Anodized Finish, Add	*674.22*	
		For Kynar® Standard Colors Finish, Add	*927.05*	
08 91 16 00-0070	EA	36" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,009.62	100.09
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*180.94*	
		For Clear Lacquer Finish, Add	*361.89*	
		For Baked Enamel Standard Colors, Add	*542.83*	
		For Anodized Finish, Add	*723.78*	
		For Kynar® Standard Colors Finish, Add	*995.19*	
08 91 16 00-0071	EA	36" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,151.83	107.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*193.70*	
		For Clear Lacquer Finish, Add	*387.40*	
		For Baked Enamel Standard Colors, Add	*581.10*	
		For Anodized Finish, Add	*774.80*	
		For Kynar® Standard Colors Finish, Add	*1,065.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0072	EA	36" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,298.59	114.74
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*206.91*	
		For Clear Lacquer Finish, Add	*413.82*	
		For Baked Enamel Standard Colors, Add	*620.73*	
		For Anodized Finish, Add	*827.64*	
		For Kynar® Standard Colors Finish, Add	*1,138.01*	
08 91 16 00-0073	EA	36" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,478.73	119.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*223.95*	
		For Clear Lacquer Finish, Add	*447.90*	
		For Baked Enamel Standard Colors, Add	*671.84*	
		For Anodized Finish, Add	*895.79*	
		For Kynar® Standard Colors Finish, Add	*1,231.71*	
08 91 16 00-0074	EA	36" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,632.45	124.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*238.34*	
		For Clear Lacquer Finish, Add	*476.69*	
		For Baked Enamel Standard Colors, Add	*715.03*	
		For Anodized Finish, Add	*953.38*	
		For Kynar® Standard Colors Finish, Add	*1,310.89*	
08 91 16 00-0075	EA	36" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	2,828.41	131.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*256.48*	
		For Clear Lacquer Finish, Add	*512.95*	
		For Baked Enamel Standard Colors, Add	*769.43*	
		For Anodized Finish, Add	*1,025.90*	
		For Kynar® Standard Colors Finish, Add	*1,410.61*	
08 91 16 00-0076	EA	36" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	2,974.25	139.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*269.59*	
		For Clear Lacquer Finish, Add	*539.19*	
		For Baked Enamel Standard Colors, Add	*808.78*	
		For Anodized Finish, Add	*1,078.38*	
		For Kynar® Standard Colors Finish, Add	*1,482.77*	
08 91 16 00-0077	EA	42" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	732.36	46.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*63.96*	
		For Clear Lacquer Finish, Add	*127.92*	
		For Baked Enamel Standard Colors, Add	*191.88*	
		For Anodized Finish, Add	*255.84*	
		For Kynar® Standard Colors Finish, Add	*351.77*	
08 91 16 00-0078	EA	42" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	934.44	58.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.73*	
		For Clear Lacquer Finish, Add	*163.45*	
		For Baked Enamel Standard Colors, Add	*245.18*	
		For Anodized Finish, Add	*326.90*	
		For Kynar® Standard Colors Finish, Add	*449.49*	
08 91 16 00-0079	EA	42" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,097.60	65.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*96.58*	
		For Clear Lacquer Finish, Add	*193.15*	
		For Baked Enamel Standard Colors, Add	*289.73*	
		For Anodized Finish, Add	*386.31*	
		For Kynar® Standard Colors Finish, Add	*531.17*	
08 91 16 00-0080	EA	42" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,283.86	75.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*113.25*	
		For Clear Lacquer Finish, Add	*226.50*	
		For Baked Enamel Standard Colors, Add	*339.75*	
		For Anodized Finish, Add	*453.00*	
		For Kynar® Standard Colors Finish, Add	*622.88*	
08 91 16 00-0081	EA	42" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,456.71	80.56
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*129.56*	
		For Clear Lacquer Finish, Add	*259.12*	
		For Baked Enamel Standard Colors, Add	*388.67*	
		For Anodized Finish, Add	*518.23*	
		For Kynar® Standard Colors Finish, Add	*712.57*	
08 91 16 00-0082	EA	42" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,620.46	85.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*144.96*	
		For Clear Lacquer Finish, Add	*289.91*	
		For Baked Enamel Standard Colors, Add	*434.87*	
		For Anodized Finish, Add	*579.82*	
		For Kynar® Standard Colors Finish, Add	*797.26*	
08 91 16 00-0083	EA	42" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,836.13	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*165.55*	
		For Clear Lacquer Finish, Add	*331.09*	
		For Baked Enamel Standard Colors, Add	*496.64*	
		For Anodized Finish, Add	*662.19*	
		For Kynar® Standard Colors Finish, Add	*910.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0084	EA	42" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,009.30	97.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*181.40*	
		For Clear Lacquer Finish, Add	*362.80*	
		For Baked Enamel Standard Colors, Add	*544.20*	
		For Anodized Finish, Add	*725.60*	
		For Kynar® Standard Colors Finish, Add	*997.70*	
08 91 16 00-0085	EA	42" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,165.17	104.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*195.52*	
		For Clear Lacquer Finish, Add	*391.04*	
		For Baked Enamel Standard Colors, Add	*586.57*	
		For Anodized Finish, Add	*782.09*	
		For Kynar® Standard Colors Finish, Add	*1,075.37*	
08 91 16 00-0086	EA	42" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,311.02	112.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*208.64*	
		For Clear Lacquer Finish, Add	*417.28*	
		For Baked Enamel Standard Colors, Add	*625.93*	
		For Anodized Finish, Add	*834.57*	
		For Kynar® Standard Colors Finish, Add	*1,147.53*	
08 91 16 00-0087	EA	42" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,470.53	119.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*223.13*	
		For Clear Lacquer Finish, Add	*446.26*	
		For Baked Enamel Standard Colors, Add	*669.38*	
		For Anodized Finish, Add	*892.51*	
		For Kynar® Standard Colors Finish, Add	*1,227.20*	
08 91 16 00-0088	EA	42" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,664.34	124.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*241.53*	
		For Clear Lacquer Finish, Add	*483.07*	
		For Baked Enamel Standard Colors, Add	*724.60*	
		For Anodized Finish, Add	*966.13*	
		For Kynar® Standard Colors Finish, Add	*1,328.43*	
08 91 16 00-0089	EA	42" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	2,832.64	129.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*257.39*	
		For Clear Lacquer Finish, Add	*514.77*	
		For Baked Enamel Standard Colors, Add	*772.16*	
		For Anodized Finish, Add	*1,029.54*	
		For Kynar® Standard Colors Finish, Add	*1,415.62*	
08 91 16 00-0090	EA	42" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,052.29	136.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*277.89*	
		For Clear Lacquer Finish, Add	*555.77*	
		For Baked Enamel Standard Colors, Add	*833.66*	
		For Anodized Finish, Add	*1,111.54*	
		For Kynar® Standard Colors Finish, Add	*1,528.37*	
08 91 16 00-0091	EA	42" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,204.51	144.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*291.64*	
		For Clear Lacquer Finish, Add	*583.29*	
		For Baked Enamel Standard Colors, Add	*874.93*	
		For Anodized Finish, Add	*1,166.57*	
		For Kynar® Standard Colors Finish, Add	*1,604.04*	
08 91 16 00-0092	EA	48" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	792.23	51.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*68.97*	
		For Clear Lacquer Finish, Add	*137.94*	
		For Baked Enamel Standard Colors, Add	*206.91*	
		For Anodized Finish, Add	*275.88*	
		For Kynar® Standard Colors Finish, Add	*379.34*	
08 91 16 00-0093	EA	48" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,007.07	63.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*88.01*	
		For Clear Lacquer Finish, Add	*176.02*	
		For Baked Enamel Standard Colors, Add	*264.04*	
		For Anodized Finish, Add	*352.05*	
		For Kynar® Standard Colors Finish, Add	*484.07*	
08 91 16 00-0094	EA	48" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,192.42	73.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*104.59*	
		For Clear Lacquer Finish, Add	*209.19*	
		For Baked Enamel Standard Colors, Add	*313.78*	
		For Anodized Finish, Add	*418.38*	
		For Kynar® Standard Colors Finish, Add	*575.27*	
08 91 16 00-0095	EA	48" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,383.83	80.56
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*122.27*	
		For Clear Lacquer Finish, Add	*244.54*	
		For Baked Enamel Standard Colors, Add	*366.81*	
		For Anodized Finish, Add	*489.08*	
		For Kynar® Standard Colors Finish, Add	*672.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0096	EA	48" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,574.91	85.44
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*140.40*	
		For Clear Lacquer Finish, Add	*280.80*	
		For Baked Enamel Standard Colors, Add	*421.20*	
		For Anodized Finish, Add	*561.60*	
		For Kynar® Standard Colors Finish, Add	*772.21*	
08 91 16 00-0097	EA	48" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	1,759.60	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*157.89*	
		For Clear Lacquer Finish, Add	*315.79*	
		For Baked Enamel Standard Colors, Add	*473.68*	
		For Anodized Finish, Add	*631.58*	
		For Kynar® Standard Colors Finish, Add	*868.42*	
08 91 16 00-0098	EA	48" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	1,989.26	97.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*179.40*	
		For Clear Lacquer Finish, Add	*358.79*	
		For Baked Enamel Standard Colors, Add	*538.19*	
		For Anodized Finish, Add	*717.58*	
		For Kynar® Standard Colors Finish, Add	*986.68*	
08 91 16 00-0099	EA	48" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,178.84	104.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*196.89*	
		For Clear Lacquer Finish, Add	*393.78*	
		For Baked Enamel Standard Colors, Add	*590.67*	
		For Anodized Finish, Add	*787.56*	
		For Kynar® Standard Colors Finish, Add	*1,082.89*	
08 91 16 00-0100	EA	48" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,342.91	112.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*211.83*	
		For Clear Lacquer Finish, Add	*423.66*	
		For Baked Enamel Standard Colors, Add	*635.49*	
		For Anodized Finish, Add	*847.32*	
		For Kynar® Standard Colors Finish, Add	*1,165.07*	
08 91 16 00-0101	EA	48" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,509.71	119.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*227.05*	
		For Clear Lacquer Finish, Add	*454.09*	
		For Baked Enamel Standard Colors, Add	*681.14*	
		For Anodized Finish, Add	*908.18*	
		For Kynar® Standard Colors Finish, Add	*1,248.75*	
08 91 16 00-0102	EA	48" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	2,672.87	126.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*241.90*	
		For Clear Lacquer Finish, Add	*483.79*	
		For Baked Enamel Standard Colors, Add	*725.69*	
		For Anodized Finish, Add	*967.59*	
		For Kynar® Standard Colors Finish, Add	*1,330.43*	
08 91 16 00-0103	EA	48" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	2,892.18	131.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*262.85*	
		For Clear Lacquer Finish, Add	*525.70*	
		For Baked Enamel Standard Colors, Add	*788.56*	
		For Anodized Finish, Add	*1,051.41*	
		For Kynar® Standard Colors Finish, Add	*1,445.69*	
08 91 16 00-0104	EA	48" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,074.15	136.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*280.07*	
		For Clear Lacquer Finish, Add	*560.14*	
		For Baked Enamel Standard Colors, Add	*840.22*	
		For Anodized Finish, Add	*1,120.29*	
		For Kynar® Standard Colors Finish, Add	*1,540.40*	
08 91 16 00-0105	EA	48" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	3,298.93	141.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*301.57*	
		For Clear Lacquer Finish, Add	*603.15*	
		For Baked Enamel Standard Colors, Add	*904.72*	
		For Anodized Finish, Add	*1,206.30*	
		For Kynar® Standard Colors Finish, Add	*1,658.66*	
08 91 16 00-0106	EA	48" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	3,466.65	148.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*316.88*	
		For Clear Lacquer Finish, Add	*633.76*	
		For Baked Enamel Standard Colors, Add	*950.64*	
		For Anodized Finish, Add	*1,267.52*	
		For Kynar® Standard Colors Finish, Add	*1,742.85*	
08 91 16 00-0107	EA	54" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum	919.86	58.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*80.27*	
		For Clear Lacquer Finish, Add	*160.54*	
		For Baked Enamel Standard Colors, Add	*240.80*	
		For Anodized Finish, Add	*321.07*	
		For Kynar® Standard Colors Finish, Add	*441.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0108	EA	54" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum	1,180.25	70.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*103.87*	
		For Clear Lacquer Finish, Add	*207.73*	
		For Baked Enamel Standard Colors, Add	*311.60*	
		For Anodized Finish, Add	*415.46*	
		For Kynar® Standard Colors Finish, Add	*571.26*	
08 91 16 00-0109	EA	54" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum	1,383.24	83.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*121.72*	
		For Clear Lacquer Finish, Add	*243.45*	
		For Baked Enamel Standard Colors, Add	*365.17*	
		For Anodized Finish, Add	*486.89*	
		For Kynar® Standard Colors Finish, Add	*669.48*	
08 91 16 00-0110	EA	54" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum	1,590.72	87.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*141.49*	
		For Clear Lacquer Finish, Add	*282.99*	
		For Baked Enamel Standard Colors, Add	*424.48*	
		For Anodized Finish, Add	*565.98*	
		For Kynar® Standard Colors Finish, Add	*778.22*	
08 91 16 00-0111	EA	54" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum	1,816.41	92.77
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*163.09*	
		For Clear Lacquer Finish, Add	*326.17*	
		For Baked Enamel Standard Colors, Add	*489.26*	
		For Anodized Finish, Add	*652.35*	
		For Kynar® Standard Colors Finish, Add	*896.98*	
08 91 16 00-0112	EA	54" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum	2,018.41	97.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*182.31*	
		For Clear Lacquer Finish, Add	*364.62*	
		For Baked Enamel Standard Colors, Add	*546.93*	
		For Anodized Finish, Add	*729.24*	
		For Kynar® Standard Colors Finish, Add	*1,002.71*	
08 91 16 00-0113	EA	54" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum	2,285.44	104.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*207.55*	
		For Clear Lacquer Finish, Add	*415.10*	
		For Baked Enamel Standard Colors, Add	*622.65*	
		For Anodized Finish, Add	*830.20*	
		For Kynar® Standard Colors Finish, Add	*1,141.52*	
08 91 16 00-0114	EA	54" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum	2,545.17	112.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*232.06*	
		For Clear Lacquer Finish, Add	*464.11*	
		For Baked Enamel Standard Colors, Add	*696.17*	
		For Anodized Finish, Add	*928.23*	
		For Kynar® Standard Colors Finish, Add	*1,276.31*	
08 91 16 00-0115	EA	54" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum	2,739.31	119.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*250.01*	
		For Clear Lacquer Finish, Add	*500.01*	
		For Baked Enamel Standard Colors, Add	*750.02*	
		For Anodized Finish, Add	*1,000.02*	
		For Kynar® Standard Colors Finish, Add	*1,375.03*	
08 91 16 00-0116	EA	54" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum	2,930.71	126.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*267.68*	
		For Clear Lacquer Finish, Add	*535.36*	
		For Baked Enamel Standard Colors, Add	*803.04*	
		For Anodized Finish, Add	*1,070.72*	
		For Kynar® Standard Colors Finish, Add	*1,472.25*	
08 91 16 00-0117	EA	54" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	3,115.40	131.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*285.17*	
		For Clear Lacquer Finish, Add	*570.35*	
		For Baked Enamel Standard Colors, Add	*855.52*	
		For Anodized Finish, Add	*1,140.70*	
		For Kynar® Standard Colors Finish, Add	*1,568.46*	
08 91 16 00-0118	EA	54" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	3,360.24	136.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*308.68*	
		For Clear Lacquer Finish, Add	*617.36*	
		For Baked Enamel Standard Colors, Add	*926.04*	
		For Anodized Finish, Add	*1,234.72*	
		For Kynar® Standard Colors Finish, Add	*1,697.75*	
08 91 16 00-0119	EA	54" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,564.06	141.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*328.09*	
		For Clear Lacquer Finish, Add	*656.17*	
		For Baked Enamel Standard Colors, Add	*984.26*	
		For Anodized Finish, Add	*1,312.35*	
		For Kynar® Standard Colors Finish, Add	*1,804.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0120	EA	54" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,827.12	146.48
		For Flange Frame, Add	*353.42*	
		For Clear Lacquer Finish, Add	*706.83*	
		For Baked Enamel Standard Colors, Add	*1,060.25*	
		For Anodized Finish, Add	*1,413.66*	
		For Kynar® Standard Colors Finish, Add	*1,943.79*	
08 91 16 00-0121	EA	54" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	4,023.08	153.80
		For Flange Frame, Add	*371.55*	
		For Clear Lacquer Finish, Add	*743.09*	
		For Baked Enamel Standard Colors, Add	*1,114.64*	
		For Anodized Finish, Add	*1,486.19*	
		For Kynar® Standard Colors Finish, Add	*2,043.51*	
08 91 16 00-0122	EA	60" Wide x 12" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	976.10	63.47
		For Flange Frame, Add	*84.92*	
		For Clear Lacquer Finish, Add	*169.83*	
		For Baked Enamel Standard Colors, Add	*254.75*	
		For Anodized Finish, Add	*339.66*	
		For Kynar® Standard Colors Finish, Add	*467.03*	
08 91 16 00-0123	EA	60" Wide x 18" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,257.77	78.12
		For Flange Frame, Add	*110.15*	
		For Clear Lacquer Finish, Add	*220.30*	
		For Baked Enamel Standard Colors, Add	*330.46*	
		For Anodized Finish, Add	*440.61*	
		For Kynar® Standard Colors Finish, Add	*605.84*	
08 91 16 00-0124	EA	60" Wide x 24" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,465.90	87.88
		For Flange Frame, Add	*129.01*	
		For Clear Lacquer Finish, Add	*258.02*	
		For Baked Enamel Standard Colors, Add	*387.04*	
		For Anodized Finish, Add	*516.05*	
		For Kynar® Standard Colors Finish, Add	*709.57*	
08 91 16 00-0125	EA	60" Wide x 30" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,694.32	92.77
		For Flange Frame, Add	*150.88*	
		For Clear Lacquer Finish, Add	*301.76*	
		For Baked Enamel Standard Colors, Add	*452.63*	
		For Anodized Finish, Add	*603.51*	
		For Kynar® Standard Colors Finish, Add	*829.83*	
08 91 16 00-0126	EA	60" Wide x 36" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	1,933.09	100.09
		For Flange Frame, Add	*173.29*	
		For Clear Lacquer Finish, Add	*346.58*	
		For Baked Enamel Standard Colors, Add	*519.87*	
		For Anodized Finish, Add	*693.16*	
		For Kynar® Standard Colors Finish, Add	*953.10*	
08 91 16 00-0127	EA	60" Wide x 42" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,146.95	104.97
		For Flange Frame, Add	*193.70*	
		For Clear Lacquer Finish, Add	*387.40*	
		For Baked Enamel Standard Colors, Add	*581.10*	
		For Anodized Finish, Add	*774.80*	
		For Kynar® Standard Colors Finish, Add	*1,065.35*	
08 91 16 00-0128	EA	60" Wide x 48" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,433.11	112.30
		For Flange Frame, Add	*220.85*	
		For Clear Lacquer Finish, Add	*441.70*	
		For Baked Enamel Standard Colors, Add	*662.55*	
		For Anodized Finish, Add	*883.40*	
		For Kynar® Standard Colors Finish, Add	*1,214.68*	
08 91 16 00-0129	EA	60" Wide x 54" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,700.13	119.62
		For Flange Frame, Add	*246.09*	
		For Clear Lacquer Finish, Add	*492.18*	
		For Baked Enamel Standard Colors, Add	*738.26*	
		For Anodized Finish, Add	*984.35*	
		For Kynar® Standard Colors Finish, Add	*1,353.48*	
08 91 16 00-0130	EA	60" Wide x 60" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	2,907.93	126.95
		For Flange Frame, Add	*265.40*	
		For Clear Lacquer Finish, Add	*530.81*	
		For Baked Enamel Standard Colors, Add	*796.21*	
		For Anodized Finish, Add	*1,061.61*	
		For Kynar® Standard Colors Finish, Add	*1,459.72*	
08 91 16 00-0131	EA	60" Wide x 66" High Adjustable Intake Louver, Galvanized Aluminum Note: Includes bird screen. Excludes actuator.	3,112.09	134.27
		For Flange Frame, Add	*284.35*	
		For Clear Lacquer Finish, Add	*568.71*	
		For Baked Enamel Standard Colors, Add	*853.06*	
		For Anodized Finish, Add	*1,137.42*	
		For Kynar® Standard Colors Finish, Add	*1,563.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 16 00-0132	EA	60" Wide x 72" High Adjustable Intake Louver, Galvanized Aluminum	3,308.63	139.16
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*303.03*	
		For Clear Lacquer Finish, Add	*606.06*	
		For Baked Enamel Standard Colors, Add	*909.10*	
		For Anodized Finish, Add	*1,212.13*	
		For Kynar® Standard Colors Finish, Add	*1,666.68*	
08 91 16 00-0133	EA	60" Wide x 78" High Adjustable Intake Louver, Galvanized Aluminum	3,574.42	144.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*328.63*	
		For Clear Lacquer Finish, Add	*657.27*	
		For Baked Enamel Standard Colors, Add	*985.90*	
		For Anodized Finish, Add	*1,314.54*	
		For Kynar® Standard Colors Finish, Add	*1,807.49*	
08 91 16 00-0134	EA	60" Wide x 84" High Adjustable Intake Louver, Galvanized Aluminum	3,788.26	148.92
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*349.04*	
		For Clear Lacquer Finish, Add	*698.08*	
		For Baked Enamel Standard Colors, Add	*1,047.13*	
		For Anodized Finish, Add	*1,396.17*	
		For Kynar® Standard Colors Finish, Add	*1,919.73*	
08 91 16 00-0135	EA	60" Wide x 90" High Adjustable Intake Louver, Galvanized Aluminum	4,064.99	153.80
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*375.74*	
		For Clear Lacquer Finish, Add	*751.48*	
		For Baked Enamel Standard Colors, Add	*1,127.21*	
		For Anodized Finish, Add	*1,502.95*	
		For Kynar® Standard Colors Finish, Add	*2,066.56*	
08 91 16 00-0136	EA	60" Wide x 96" High Adjustable Intake Louver, Galvanized Aluminum	4,267.90	158.69
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*395.05*	
		For Clear Lacquer Finish, Add	*790.11*	
		For Baked Enamel Standard Colors, Add	*1,185.16*	
		For Anodized Finish, Add	*1,580.21*	
		For Kynar® Standard Colors Finish, Add	*2,172.79*	

08 91 16 00-0137 Adjustable Intake Wall Louvers Operators *(08 91 16)*

08 91 16 00-0138	EA	5' Chain Actuator For Adjustable Intake Louver	245.63	24.42
08 91 16 00-0139	EA	Panel Crank For Adjustable Intake Louver	546.15	9.77

08 91 19 Fixed Louvers *(08 91)*

08 91 19 00-0001 Fixed Intake Wall Louvers *(08 91 19)*

08 91 19 00-0002	EA	12" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	319.10	21.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*27.52*	
		For Clear Lacquer Finish, Add	*55.03*	
		For Baked Enamel Standard Colors, Add	*82.55*	
		For Anodized Finish, Add	*110.06*	
		For Kynar® Standard Colors Finish, Add	*151.33*	
08 91 19 00-0003	EA	12" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	378.97	26.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*32.53*	
		For Clear Lacquer Finish, Add	*65.05*	
		For Baked Enamel Standard Colors, Add	*97.58*	
		For Anodized Finish, Add	*130.10*	
		For Kynar® Standard Colors Finish, Add	*178.89*	
08 91 19 00-0004	EA	12" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	439.75	31.74
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*37.63*	
		For Clear Lacquer Finish, Add	*75.26*	
		For Baked Enamel Standard Colors, Add	*112.88*	
		For Anodized Finish, Add	*150.51*	
		For Kynar® Standard Colors Finish, Add	*206.95*	
08 91 19 00-0005	EA	12" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	516.03	36.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*44.28*	
		For Clear Lacquer Finish, Add	*88.56*	
		For Baked Enamel Standard Colors, Add	*132.84*	
		For Anodized Finish, Add	*177.12*	
		For Kynar® Standard Colors Finish, Add	*243.53*	
08 91 19 00-0006	EA	12" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	580.46	41.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*49.75*	
		For Clear Lacquer Finish, Add	*99.49*	
		For Baked Enamel Standard Colors, Add	*149.24*	
		For Anodized Finish, Add	*198.98*	
		For Kynar® Standard Colors Finish, Add	*273.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0007	EA	12" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	684.99	46.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*59.22*	
		For Clear Lacquer Finish, Add	*118.44*	
		For Baked Enamel Standard Colors, Add	*177.67*	
		For Anodized Finish, Add	*236.89*	
		For Kynar® Standard Colors Finish, Add	*325.72*	
08 91 19 00-0008	EA	12" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	742.12	51.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*63.96*	
		For Clear Lacquer Finish, Add	*127.92*	
		For Baked Enamel Standard Colors, Add	*191.88*	
		For Anodized Finish, Add	*255.84*	
		For Kynar® Standard Colors Finish, Add	*351.77*	
08 91 19 00-0009	EA	12" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	829.66	58.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*71.25*	
		For Clear Lacquer Finish, Add	*142.50*	
		For Baked Enamel Standard Colors, Add	*213.74*	
		For Anodized Finish, Add	*284.99*	
		For Kynar® Standard Colors Finish, Add	*391.86*	
08 91 19 00-0010	EA	12" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	882.25	63.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*75.53*	
		For Clear Lacquer Finish, Add	*151.06*	
		For Baked Enamel Standard Colors, Add	*226.59*	
		For Anodized Finish, Add	*302.12*	
		For Kynar® Standard Colors Finish, Add	*415.42*	
08 91 19 00-0011	EA	12" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	953.97	68.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*81.73*	
		For Clear Lacquer Finish, Add	*163.45*	
		For Baked Enamel Standard Colors, Add	*245.18*	
		For Anodized Finish, Add	*326.90*	
		For Kynar® Standard Colors Finish, Add	*449.49*	
08 91 19 00-0012	EA	12" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,016.58	73.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*87.01*	
		For Clear Lacquer Finish, Add	*174.02*	
		For Baked Enamel Standard Colors, Add	*261.03*	
		For Anodized Finish, Add	*348.04*	
		For Kynar® Standard Colors Finish, Add	*478.56*	
08 91 19 00-0013	EA	12" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,091.04	78.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*93.48*	
		For Clear Lacquer Finish, Add	*186.96*	
		For Baked Enamel Standard Colors, Add	*280.44*	
		For Anodized Finish, Add	*373.92*	
		For Kynar® Standard Colors Finish, Add	*514.13*	
08 91 19 00-0014	EA	12" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,160.93	83.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*99.49*	
		For Clear Lacquer Finish, Add	*198.98*	
		For Baked Enamel Standard Colors, Add	*298.48*	
		For Anodized Finish, Add	*397.97*	
		For Kynar® Standard Colors Finish, Add	*547.21*	
08 91 19 00-0015	EA	12" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,222.96	90.33
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*104.23*	
		For Clear Lacquer Finish, Add	*208.46*	
		For Baked Enamel Standard Colors, Add	*312.69*	
		For Anodized Finish, Add	*416.92*	
		For Kynar® Standard Colors Finish, Add	*573.27*	
08 91 19 00-0016	EA	12" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,305.93	97.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*111.06*	
		For Clear Lacquer Finish, Add	*222.13*	
		For Baked Enamel Standard Colors, Add	*333.19*	
		For Anodized Finish, Add	*444.25*	
		For Kynar® Standard Colors Finish, Add	*610.85*	
08 91 19 00-0017	EA	18" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	370.77	26.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*31.71*	
		For Clear Lacquer Finish, Add	*63.41*	
		For Baked Enamel Standard Colors, Add	*95.12*	
		For Anodized Finish, Add	*126.82*	
		For Kynar® Standard Colors Finish, Add	*174.38*	
08 91 19 00-0018	EA	18" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	444.63	34.18
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*37.63*	
		For Clear Lacquer Finish, Add	*75.26*	
		For Baked Enamel Standard Colors, Add	*112.88*	
		For Anodized Finish, Add	*150.51*	
		For Kynar® Standard Colors Finish, Add	*206.95*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0019	EA	18" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	515.45	39.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*43.73*	
		For Clear Lacquer Finish, Add	*87.47*	
		For Baked Enamel Standard Colors, Add	*131.20*	
		For Anodized Finish, Add	*174.93*	
		For Kynar® Standard Colors Finish, Add	*240.53*	
08 91 19 00-0020	EA	18" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	646.13	48.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*54.85*	
		For Clear Lacquer Finish, Add	*109.70*	
		For Baked Enamel Standard Colors, Add	*164.54*	
		For Anodized Finish, Add	*219.39*	
		For Kynar® Standard Colors Finish, Add	*301.66*	
08 91 19 00-0021	EA	18" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	741.55	53.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*63.41*	
		For Clear Lacquer Finish, Add	*126.83*	
		For Baked Enamel Standard Colors, Add	*190.24*	
		For Anodized Finish, Add	*253.65*	
		For Kynar® Standard Colors Finish, Add	*348.77*	
08 91 19 00-0022	EA	18" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	826.02	58.60
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*70.88*	
		For Clear Lacquer Finish, Add	*141.77*	
		For Baked Enamel Standard Colors, Add	*212.65*	
		For Anodized Finish, Add	*283.54*	
		For Kynar® Standard Colors Finish, Add	*389.86*	
08 91 19 00-0023	EA	18" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	885.90	63.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*75.90*	
		For Clear Lacquer Finish, Add	*151.79*	
		For Baked Enamel Standard Colors, Add	*227.69*	
		For Anodized Finish, Add	*303.58*	
		For Kynar® Standard Colors Finish, Add	*417.42*	
08 91 19 00-0024	EA	18" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	986.19	70.79
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*84.46*	
		For Clear Lacquer Finish, Add	*168.92*	
		For Baked Enamel Standard Colors, Add	*253.38*	
		For Anodized Finish, Add	*337.84*	
		For Kynar® Standard Colors Finish, Add	*464.52*	
08 91 19 00-0025	EA	18" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,056.42	78.12
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*90.02*	
		For Clear Lacquer Finish, Add	*180.03*	
		For Baked Enamel Standard Colors, Add	*270.05*	
		For Anodized Finish, Add	*360.07*	
		For Kynar® Standard Colors Finish, Add	*495.09*	
08 91 19 00-0026	EA	18" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,148.18	83.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*98.22*	
		For Clear Lacquer Finish, Add	*196.43*	
		For Baked Enamel Standard Colors, Add	*294.65*	
		For Anodized Finish, Add	*392.87*	
		For Kynar® Standard Colors Finish, Add	*540.19*	
08 91 19 00-0027	EA	18" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,218.08	87.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*104.23*	
		For Clear Lacquer Finish, Add	*208.46*	
		For Baked Enamel Standard Colors, Add	*312.69*	
		For Anodized Finish, Add	*416.92*	
		For Kynar® Standard Colors Finish, Add	*573.27*	
08 91 19 00-0028	EA	18" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,296.17	92.77
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*111.06*	
		For Clear Lacquer Finish, Add	*222.13*	
		For Baked Enamel Standard Colors, Add	*333.19*	
		For Anodized Finish, Add	*444.25*	
		For Kynar® Standard Colors Finish, Add	*610.85*	
08 91 19 00-0029	EA	18" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,377.91	97.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*118.26*	
		For Clear Lacquer Finish, Add	*236.52*	
		For Baked Enamel Standard Colors, Add	*354.78*	
		For Anodized Finish, Add	*473.04*	
		For Kynar® Standard Colors Finish, Add	*650.44*	
08 91 19 00-0030	EA	18" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,449.96	104.97
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*124.00*	
		For Clear Lacquer Finish, Add	*248.00*	
		For Baked Enamel Standard Colors, Add	*372.00*	
		For Anodized Finish, Add	*496.00*	
		For Kynar® Standard Colors Finish, Add	*682.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0031	EA	18" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,550.25	112.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*132.57*	
		For Clear Lacquer Finish, Add	*265.13*	
		For Baked Enamel Standard Colors, Add	*397.70*	
		For Anodized Finish, Add	*530.26*	
		For Kynar® Standard Colors Finish, Add	*729.11*	
08 91 19 00-0032	EA	24" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	428.82	31.74
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*36.54*	
		For Clear Lacquer Finish, Add	*73.07*	
		For Baked Enamel Standard Colors, Add	*109.61*	
		For Anodized Finish, Add	*146.14*	
		For Kynar® Standard Colors Finish, Add	*200.94*	
08 91 19 00-0033	EA	24" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	510.89	39.06
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*43.28*	
		For Clear Lacquer Finish, Add	*86.55*	
		For Baked Enamel Standard Colors, Add	*129.83*	
		For Anodized Finish, Add	*173.11*	
		For Kynar® Standard Colors Finish, Add	*238.02*	
08 91 19 00-0034	EA	24" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	633.05	46.39
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*54.03*	
		For Clear Lacquer Finish, Add	*108.06*	
		For Baked Enamel Standard Colors, Add	*162.08*	
		For Anodized Finish, Add	*216.11*	
		For Kynar® Standard Colors Finish, Add	*297.15*	
08 91 19 00-0035	EA	24" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	746.43	56.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*63.41*	
		For Clear Lacquer Finish, Add	*126.83*	
		For Baked Enamel Standard Colors, Add	*190.24*	
		For Anodized Finish, Add	*253.65*	
		For Kynar® Standard Colors Finish, Add	*348.77*	
08 91 19 00-0036	EA	24" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	854.59	61.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*73.25*	
		For Clear Lacquer Finish, Add	*146.50*	
		For Baked Enamel Standard Colors, Add	*219.76*	
		For Anodized Finish, Add	*293.01*	
		For Kynar® Standard Colors Finish, Add	*402.89*	
08 91 19 00-0037	EA	24" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	954.55	65.91
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*82.27*	
		For Clear Lacquer Finish, Add	*164.54*	
		For Baked Enamel Standard Colors, Add	*246.82*	
		For Anodized Finish, Add	*329.09*	
		For Kynar® Standard Colors Finish, Add	*452.50*	
08 91 19 00-0038	EA	24" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,037.54	73.24
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*89.11*	
		For Clear Lacquer Finish, Add	*178.21*	
		For Baked Enamel Standard Colors, Add	*267.32*	
		For Anodized Finish, Add	*356.42*	
		For Kynar® Standard Colors Finish, Add	*490.08*	
08 91 19 00-0039	EA	24" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,148.18	83.00
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*98.22*	
		For Clear Lacquer Finish, Add	*196.43*	
		For Baked Enamel Standard Colors, Add	*294.65*	
		For Anodized Finish, Add	*392.87*	
		For Kynar® Standard Colors Finish, Add	*540.19*	
08 91 19 00-0040	EA	24" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,221.72	87.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*104.59*	
		For Clear Lacquer Finish, Add	*209.19*	
		For Baked Enamel Standard Colors, Add	*313.78*	
		For Anodized Finish, Add	*418.38*	
		For Kynar® Standard Colors Finish, Add	*575.27*	
08 91 19 00-0041	EA	24" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,342.37	97.65
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*114.71*	
		For Clear Lacquer Finish, Add	*229.41*	
		For Baked Enamel Standard Colors, Add	*344.12*	
		For Anodized Finish, Add	*458.83*	
		For Kynar® Standard Colors Finish, Add	*630.89*	
08 91 19 00-0042	EA	24" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,418.66	102.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*121.36*	
		For Clear Lacquer Finish, Add	*242.72*	
		For Baked Enamel Standard Colors, Add	*364.08*	
		For Anodized Finish, Add	*485.44*	
		For Kynar® Standard Colors Finish, Add	*667.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0043	EA	24" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,517.70	107.42
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*130.29*	
		For Clear Lacquer Finish, Add	*260.57*	
		For Baked Enamel Standard Colors, Add	*390.86*	
		For Anodized Finish, Add	*521.15*	
		For Kynar® Standard Colors Finish, Add	*716.58*	
08 91 19 00-0044	EA	24" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,614.94	112.30
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*139.03*	
		For Clear Lacquer Finish, Add	*278.07*	
		For Baked Enamel Standard Colors, Add	*417.10*	
		For Anodized Finish, Add	*556.14*	
		For Kynar® Standard Colors Finish, Add	*764.69*	
08 91 19 00-0045	EA	24" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,688.81	119.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*144.96*	
		For Clear Lacquer Finish, Add	*289.91*	
		For Baked Enamel Standard Colors, Add	*434.87*	
		For Anodized Finish, Add	*579.82*	
		For Kynar® Standard Colors Finish, Add	*797.26*	
08 91 19 00-0046	EA	24" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	1,810.97	126.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*155.71*	
		For Clear Lacquer Finish, Add	*311.41*	
		For Baked Enamel Standard Colors, Add	*467.12*	
		For Anodized Finish, Add	*622.83*	
		For Kynar® Standard Colors Finish, Add	*856.39*	
08 91 19 00-0047	EA	30" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	480.50	36.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*40.73*	
		For Clear Lacquer Finish, Add	*81.45*	
		For Baked Enamel Standard Colors, Add	*122.18*	
		For Anodized Finish, Add	*162.90*	
		For Kynar® Standard Colors Finish, Add	*223.99*	
08 91 19 00-0048	EA	30" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	621.53	48.83
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*52.39*	
		For Clear Lacquer Finish, Add	*104.78*	
		For Baked Enamel Standard Colors, Add	*157.16*	
		For Anodized Finish, Add	*209.55*	
		For Kynar® Standard Colors Finish, Add	*288.13*	
08 91 19 00-0049	EA	30" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	725.47	56.15
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*61.32*	
		For Clear Lacquer Finish, Add	*122.63*	
		For Baked Enamel Standard Colors, Add	*183.95*	
		For Anodized Finish, Add	*245.27*	
		For Kynar® Standard Colors Finish, Add	*337.24*	
08 91 19 00-0050	EA	30" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	846.72	63.47
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*71.98*	
		For Clear Lacquer Finish, Add	*143.95*	
		For Baked Enamel Standard Colors, Add	*215.93*	
		For Anodized Finish, Add	*287.91*	
		For Kynar® Standard Colors Finish, Add	*395.87*	
08 91 19 00-0051	EA	30" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	976.74	68.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*84.00*	
		For Clear Lacquer Finish, Add	*168.01*	
		For Baked Enamel Standard Colors, Add	*252.01*	
		For Anodized Finish, Add	*336.01*	
		For Kynar® Standard Colors Finish, Add	*462.02*	
08 91 19 00-0052	EA	30" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,086.15	75.68
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*93.48*	
		For Clear Lacquer Finish, Add	*186.96*	
		For Baked Enamel Standard Colors, Add	*280.44*	
		For Anodized Finish, Add	*373.92*	
		For Kynar® Standard Colors Finish, Add	*514.13*	
08 91 19 00-0053	EA	30" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,167.90	80.56
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*100.68*	
		For Clear Lacquer Finish, Add	*201.35*	
		For Baked Enamel Standard Colors, Add	*302.03*	
		For Anodized Finish, Add	*402.71*	
		For Kynar® Standard Colors Finish, Add	*553.72*	
08 91 19 00-0054	EA	30" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,282.77	87.88
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*110.70*	
		For Clear Lacquer Finish, Add	*221.40*	
		For Baked Enamel Standard Colors, Add	*332.10*	
		For Anodized Finish, Add	*442.80*	
		For Kynar® Standard Colors Finish, Add	*608.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0055	EA	30" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,374.53	92.77
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*118.90*	
		For Clear Lacquer Finish, Add	*237.80*	
		For Baked Enamel Standard Colors, Add	*356.70*	
		For Anodized Finish, Add	*475.60*	
		For Kynar® Standard Colors Finish, Add	*653.94*	
08 91 19 00-0056	EA	30" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,514.32	102.53
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*130.93*	
		For Clear Lacquer Finish, Add	*261.85*	
		For Baked Enamel Standard Colors, Add	*392.78*	
		For Anodized Finish, Add	*523.70*	
		For Kynar® Standard Colors Finish, Add	*720.09*	
08 91 19 00-0057	EA	30" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,603.68	109.86
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*138.40*	
		For Clear Lacquer Finish, Add	*276.79*	
		For Baked Enamel Standard Colors, Add	*415.19*	
		For Anodized Finish, Add	*553.58*	
		For Kynar® Standard Colors Finish, Add	*761.18*	
08 91 19 00-0058	EA	30" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,709.11	114.74
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*147.96*	
		For Clear Lacquer Finish, Add	*295.93*	
		For Baked Enamel Standard Colors, Add	*443.89*	
		For Anodized Finish, Add	*591.85*	
		For Kynar® Standard Colors Finish, Add	*813.80*	
08 91 19 00-0059	EA	30" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	1,813.63	119.62
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*157.44*	
		For Clear Lacquer Finish, Add	*314.88*	
		For Baked Enamel Standard Colors, Add	*472.31*	
		For Anodized Finish, Add	*629.75*	
		For Kynar® Standard Colors Finish, Add	*865.91*	
08 91 19 00-0060	EA	30" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	1,901.17	126.95
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*164.73*	
		For Clear Lacquer Finish, Add	*329.45*	
		For Baked Enamel Standard Colors, Add	*494.18*	
		For Anodized Finish, Add	*658.91*	
		For Kynar® Standard Colors Finish, Add	*906.00*	
08 91 19 00-0061	EA	30" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,039.73	134.27
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*177.12*	
		For Clear Lacquer Finish, Add	*354.24*	
		For Baked Enamel Standard Colors, Add	*531.35*	
		For Anodized Finish, Add	*708.47*	
		For Kynar® Standard Colors Finish, Add	*974.15*	
08 91 19 00-0062	EA	36" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	533.08	41.51
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*45.01*	
		For Clear Lacquer Finish, Add	*90.02*	
		For Baked Enamel Standard Colors, Add	*135.02*	
		For Anodized Finish, Add	*180.03*	
		For Kynar® Standard Colors Finish, Add	*247.54*	
08 91 19 00-0063	EA	36" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	699.64	53.71
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*59.22*	
		For Clear Lacquer Finish, Add	*118.44*	
		For Baked Enamel Standard Colors, Add	*177.67*	
		For Anodized Finish, Add	*236.89*	
		For Kynar® Standard Colors Finish, Add	*325.72*	
08 91 19 00-0064	EA	36" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	809.04	61.04
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*68.70*	
		For Clear Lacquer Finish, Add	*137.39*	
		For Baked Enamel Standard Colors, Add	*206.09*	
		For Anodized Finish, Add	*274.79*	
		For Kynar® Standard Colors Finish, Add	*377.83*	
08 91 19 00-0065	EA	36" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	939.39	68.35
		Note: Includes bird screen. Excludes actuator.		
		For Flange Frame, Add	*80.27*	
		For Clear Lacquer Finish, Add	*160.54*	
		For Baked Enamel Standard Colors, Add	*240.80*	
		For Anodized Finish, Add	*321.07*	
		For Kynar® Standard Colors Finish, Add	*441.47*	
08 91 19 00-0066	EA	36" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,085.95	74.21
		Note: Includes bird screen.		
		For Flange Frame, Add	*93.75*	
		For Clear Lacquer Finish, Add	*187.50*	
		For Baked Enamel Standard Colors, Add	*281.26*	
		For Anodized Finish, Add	*375.01*	
		For Kynar® Standard Colors Finish, Add	*515.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0067	EA	36" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,199.78	80.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*103.87*	
		For Clear Lacquer Finish, Add	*207.73*	
		For Baked Enamel Standard Colors, Add	*311.60*	
		For Anodized Finish, Add	*415.46*	
		For Kynar® Standard Colors Finish, Add	*571.26*	
08 91 19 00-0068	EA	36" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,297.93	85.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*112.70*	
		For Clear Lacquer Finish, Add	*225.41*	
		For Baked Enamel Standard Colors, Add	*338.11*	
		For Anodized Finish, Add	*450.81*	
		For Kynar® Standard Colors Finish, Add	*619.87*	
08 91 19 00-0069	EA	36" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,429.19	92.77
		Note: Includes bird screen.		
		For Flange Frame, Add	*124.37*	
		For Clear Lacquer Finish, Add	*248.73*	
		For Baked Enamel Standard Colors, Add	*373.10*	
		For Anodized Finish, Add	*497.46*	
		For Kynar® Standard Colors Finish, Add	*684.01*	
08 91 19 00-0070	EA	36" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,528.56	100.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*132.84*	
		For Clear Lacquer Finish, Add	*265.68*	
		For Baked Enamel Standard Colors, Add	*398.51*	
		For Anodized Finish, Add	*531.35*	
		For Kynar® Standard Colors Finish, Add	*730.61*	
08 91 19 00-0071	EA	36" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,686.26	107.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*147.14*	
		For Clear Lacquer Finish, Add	*294.29*	
		For Baked Enamel Standard Colors, Add	*441.43*	
		For Anodized Finish, Add	*588.57*	
		For Kynar® Standard Colors Finish, Add	*809.29*	
08 91 19 00-0072	EA	36" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,790.19	114.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.07*	
		For Clear Lacquer Finish, Add	*312.14*	
		For Baked Enamel Standard Colors, Add	*468.21*	
		For Anodized Finish, Add	*624.28*	
		For Kynar® Standard Colors Finish, Add	*858.39*	
08 91 19 00-0073	EA	36" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	1,902.92	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*166.37*	
		For Clear Lacquer Finish, Add	*332.73*	
		For Baked Enamel Standard Colors, Add	*499.10*	
		For Anodized Finish, Add	*665.47*	
		For Kynar® Standard Colors Finish, Add	*915.02*	
08 91 19 00-0074	EA	36" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,020.19	124.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*177.12*	
		For Clear Lacquer Finish, Add	*354.24*	
		For Baked Enamel Standard Colors, Add	*531.35*	
		For Anodized Finish, Add	*708.47*	
		For Kynar® Standard Colors Finish, Add	*974.15*	
08 91 19 00-0075	EA	36" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,120.48	131.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*185.68*	
		For Clear Lacquer Finish, Add	*371.36*	
		For Baked Enamel Standard Colors, Add	*557.05*	
		For Anodized Finish, Add	*742.73*	
		For Kynar® Standard Colors Finish, Add	*1,021.25*	
08 91 19 00-0076	EA	36" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,277.26	139.16
		Note: Includes bird screen.		
		For Flange Frame, Add	*199.90*	
		For Clear Lacquer Finish, Add	*399.79*	
		For Baked Enamel Standard Colors, Add	*599.69*	
		For Anodized Finish, Add	*799.58*	
		For Kynar® Standard Colors Finish, Add	*1,099.42*	
08 91 19 00-0077	EA	42" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	620.30	46.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*52.75*	
		For Clear Lacquer Finish, Add	*105.51*	
		For Baked Enamel Standard Colors, Add	*158.26*	
		For Anodized Finish, Add	*211.01*	
		For Kynar® Standard Colors Finish, Add	*290.14*	
08 91 19 00-0078	EA	42" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	760.42	58.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*64.32*	
		For Clear Lacquer Finish, Add	*128.65*	
		For Baked Enamel Standard Colors, Add	*192.97*	
		For Anodized Finish, Add	*257.30*	
		For Kynar® Standard Colors Finish, Add	*353.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0079	EA	42" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	881.67	65.91
		Note: Includes bird screen.		
		For Flange Frame, Add	*74.98*	
		For Clear Lacquer Finish, Add	*149.97*	
		For Baked Enamel Standard Colors, Add	*224.95*	
		For Anodized Finish, Add	*299.94*	
		For Kynar® Standard Colors Finish, Add	*412.41*	
08 91 19 00-0080	EA	42" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,031.48	75.68
		Note: Includes bird screen.		
		For Flange Frame, Add	*88.01*	
		For Clear Lacquer Finish, Add	*176.02*	
		For Baked Enamel Standard Colors, Add	*264.04*	
		For Anodized Finish, Add	*352.05*	
		For Kynar® Standard Colors Finish, Add	*484.07*	
08 91 19 00-0081	EA	42" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,190.67	80.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*102.95*	
		For Clear Lacquer Finish, Add	*205.91*	
		For Baked Enamel Standard Colors, Add	*308.86*	
		For Anodized Finish, Add	*411.82*	
		For Kynar® Standard Colors Finish, Add	*566.25*	
08 91 19 00-0082	EA	42" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,317.97	85.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*114.71*	
		For Clear Lacquer Finish, Add	*229.41*	
		For Baked Enamel Standard Colors, Add	*344.12*	
		For Anodized Finish, Add	*458.83*	
		For Kynar® Standard Colors Finish, Add	*630.89*	
08 91 19 00-0083	EA	42" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,427.96	90.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*124.73*	
		For Clear Lacquer Finish, Add	*249.46*	
		For Baked Enamel Standard Colors, Add	*374.19*	
		For Anodized Finish, Add	*498.92*	
		For Kynar® Standard Colors Finish, Add	*686.02*	
08 91 19 00-0084	EA	42" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,559.22	97.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*136.39*	
		For Clear Lacquer Finish, Add	*272.78*	
		For Baked Enamel Standard Colors, Add	*409.18*	
		For Anodized Finish, Add	*545.57*	
		For Kynar® Standard Colors Finish, Add	*750.16*	
08 91 19 00-0085	EA	42" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,671.35	104.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*146.14*	
		For Clear Lacquer Finish, Add	*292.28*	
		For Baked Enamel Standard Colors, Add	*438.42*	
		For Anodized Finish, Add	*584.56*	
		For Kynar® Standard Colors Finish, Add	*803.77*	
08 91 19 00-0086	EA	42" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	1,846.36	112.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*162.18*	
		For Clear Lacquer Finish, Add	*324.35*	
		For Baked Enamel Standard Colors, Add	*486.53*	
		For Anodized Finish, Add	*648.70*	
		For Kynar® Standard Colors Finish, Add	*891.97*	
08 91 19 00-0087	EA	42" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	1,958.50	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*171.93*	
		For Clear Lacquer Finish, Add	*343.85*	
		For Baked Enamel Standard Colors, Add	*515.78*	
		For Anodized Finish, Add	*687.70*	
		For Kynar® Standard Colors Finish, Add	*945.59*	
08 91 19 00-0088	EA	42" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,085.79	124.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*183.68*	
		For Clear Lacquer Finish, Add	*367.36*	
		For Baked Enamel Standard Colors, Add	*551.03*	
		For Anodized Finish, Add	*734.71*	
		For Kynar® Standard Colors Finish, Add	*1,010.23*	
08 91 19 00-0089	EA	42" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,214.00	129.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*195.52*	
		For Clear Lacquer Finish, Add	*391.04*	
		For Baked Enamel Standard Colors, Add	*586.57*	
		For Anodized Finish, Add	*782.09*	
		For Kynar® Standard Colors Finish, Add	*1,075.37*	
08 91 19 00-0090	EA	42" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,332.52	136.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*205.91*	
		For Clear Lacquer Finish, Add	*411.82*	
		For Baked Enamel Standard Colors, Add	*617.73*	
		For Anodized Finish, Add	*823.64*	
		For Kynar® Standard Colors Finish, Add	*1,132.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0091	EA	42" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,501.14	144.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*221.31*	
		For Clear Lacquer Finish, Add	*442.61*	
		For Baked Enamel Standard Colors, Add	*663.92*	
		For Anodized Finish, Add	*885.22*	
		For Kynar® Standard Colors Finish, Add	*1,217.18*	
08 91 19 00-0092	EA	48" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	678.35	51.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*57.58*	
		For Clear Lacquer Finish, Add	*115.16*	
		For Baked Enamel Standard Colors, Add	*172.75*	
		For Anodized Finish, Add	*230.33*	
		For Kynar® Standard Colors Finish, Add	*316.70*	
08 91 19 00-0093	EA	48" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	831.23	63.47
		Note: Includes bird screen.		
		For Flange Frame, Add	*70.43*	
		For Clear Lacquer Finish, Add	*140.86*	
		For Baked Enamel Standard Colors, Add	*211.28*	
		For Anodized Finish, Add	*281.71*	
		For Kynar® Standard Colors Finish, Add	*387.35*	
08 91 19 00-0094	EA	48" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	973.76	73.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*82.73*	
		For Clear Lacquer Finish, Add	*165.46*	
		For Baked Enamel Standard Colors, Add	*248.18*	
		For Anodized Finish, Add	*330.91*	
		For Kynar® Standard Colors Finish, Add	*455.00*	
08 91 19 00-0095	EA	48" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,121.43	80.56
		Note: Includes bird screen.		
		For Flange Frame, Add	*96.03*	
		For Clear Lacquer Finish, Add	*192.06*	
		For Baked Enamel Standard Colors, Add	*288.09*	
		For Anodized Finish, Add	*384.12*	
		For Kynar® Standard Colors Finish, Add	*528.17*	
08 91 19 00-0096	EA	48" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,303.40	85.44
		Note: Includes bird screen.		
		For Flange Frame, Add	*113.25*	
		For Clear Lacquer Finish, Add	*226.50*	
		For Baked Enamel Standard Colors, Add	*339.75*	
		For Anodized Finish, Add	*453.00*	
		For Kynar® Standard Colors Finish, Add	*622.88*	
08 91 19 00-0097	EA	48" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,450.73	90.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*127.01*	
		For Clear Lacquer Finish, Add	*254.01*	
		For Baked Enamel Standard Colors, Add	*381.02*	
		For Anodized Finish, Add	*508.03*	
		For Kynar® Standard Colors Finish, Add	*698.54*	
08 91 19 00-0098	EA	48" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,571.97	97.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*137.67*	
		For Clear Lacquer Finish, Add	*275.33*	
		For Baked Enamel Standard Colors, Add	*413.00*	
		For Anodized Finish, Add	*550.67*	
		For Kynar® Standard Colors Finish, Add	*757.17*	
08 91 19 00-0099	EA	48" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,763.38	104.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*155.34*	
		For Clear Lacquer Finish, Add	*310.69*	
		For Baked Enamel Standard Colors, Add	*466.03*	
		For Anodized Finish, Add	*621.37*	
		For Kynar® Standard Colors Finish, Add	*854.39*	
08 91 19 00-0100	EA	48" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	1,846.36	112.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*162.18*	
		For Clear Lacquer Finish, Add	*324.35*	
		For Baked Enamel Standard Colors, Add	*486.53*	
		For Anodized Finish, Add	*648.70*	
		For Kynar® Standard Colors Finish, Add	*891.97*	
08 91 19 00-0101	EA	48" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,033.21	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*179.40*	
		For Clear Lacquer Finish, Add	*358.79*	
		For Baked Enamel Standard Colors, Add	*538.19*	
		For Anodized Finish, Add	*717.58*	
		For Kynar® Standard Colors Finish, Add	*986.68*	
08 91 19 00-0102	EA	48" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,162.65	126.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*190.88*	
		For Clear Lacquer Finish, Add	*381.75*	
		For Baked Enamel Standard Colors, Add	*572.63*	
		For Anodized Finish, Add	*763.50*	
		For Kynar® Standard Colors Finish, Add	*1,049.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0103	EA	48" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,304.52	131.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*204.09*	
		For Clear Lacquer Finish, Add	*408.17*	
		For Baked Enamel Standard Colors, Add	*612.26*	
		For Anodized Finish, Add	*816.34*	
		For Kynar® Standard Colors Finish, Add	*1,122.47*	
08 91 19 00-0104	EA	48" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,446.40	136.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*217.30*	
		For Clear Lacquer Finish, Add	*434.59*	
		For Baked Enamel Standard Colors, Add	*651.89*	
		For Anodized Finish, Add	*869.19*	
		For Kynar® Standard Colors Finish, Add	*1,195.13*	
08 91 19 00-0105	EA	48" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,564.58	141.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.14*	
		For Clear Lacquer Finish, Add	*456.28*	
		For Baked Enamel Standard Colors, Add	*684.42*	
		For Anodized Finish, Add	*912.56*	
		For Kynar® Standard Colors Finish, Add	*1,254.76*	
08 91 19 00-0106	EA	48" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	2,758.72	148.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*246.09*	
		For Clear Lacquer Finish, Add	*492.18*	
		For Baked Enamel Standard Colors, Add	*738.26*	
		For Anodized Finish, Add	*984.35*	
		For Kynar® Standard Colors Finish, Add	*1,353.48*	
08 91 19 00-0107	EA	54" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	751.31	58.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*63.41*	
		For Clear Lacquer Finish, Add	*126.83*	
		For Baked Enamel Standard Colors, Add	*190.24*	
		For Anodized Finish, Add	*253.65*	
		For Kynar® Standard Colors Finish, Add	*348.77*	
08 91 19 00-0108	EA	54" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	922.41	70.79
		Note: Includes bird screen.		
		For Flange Frame, Add	*78.08*	
		For Clear Lacquer Finish, Add	*156.16*	
		For Baked Enamel Standard Colors, Add	*234.24*	
		For Anodized Finish, Add	*312.32*	
		For Kynar® Standard Colors Finish, Add	*429.45*	
08 91 19 00-0109	EA	54" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,079.84	83.00
		Note: Includes bird screen.		
		For Flange Frame, Add	*91.38*	
		For Clear Lacquer Finish, Add	*182.77*	
		For Baked Enamel Standard Colors, Add	*274.15*	
		For Anodized Finish, Add	*365.53*	
		For Kynar® Standard Colors Finish, Add	*502.61*	
08 91 19 00-0110	EA	54" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,238.12	87.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*106.23*	
		For Clear Lacquer Finish, Add	*212.47*	
		For Baked Enamel Standard Colors, Add	*318.70*	
		For Anodized Finish, Add	*424.94*	
		For Kynar® Standard Colors Finish, Add	*584.29*	
08 91 19 00-0111	EA	54" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,455.61	92.77
		Note: Includes bird screen.		
		For Flange Frame, Add	*127.01*	
		For Clear Lacquer Finish, Add	*254.01*	
		For Baked Enamel Standard Colors, Add	*381.02*	
		For Anodized Finish, Add	*508.03*	
		For Kynar® Standard Colors Finish, Add	*698.54*	
08 91 19 00-0112	EA	54" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,606.59	97.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*141.13*	
		For Clear Lacquer Finish, Add	*282.26*	
		For Baked Enamel Standard Colors, Add	*423.39*	
		For Anodized Finish, Add	*564.52*	
		For Kynar® Standard Colors Finish, Add	*776.21*	
08 91 19 00-0113	EA	54" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,748.80	104.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*153.89*	
		For Clear Lacquer Finish, Add	*307.77*	
		For Baked Enamel Standard Colors, Add	*461.66*	
		For Anodized Finish, Add	*615.54*	
		For Kynar® Standard Colors Finish, Add	*846.37*	
08 91 19 00-0114	EA	54" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	1,957.51	112.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*173.29*	
		For Clear Lacquer Finish, Add	*346.58*	
		For Baked Enamel Standard Colors, Add	*519.87*	
		For Anodized Finish, Add	*693.16*	
		For Kynar® Standard Colors Finish, Add	*953.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0115	EA	54" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,104.27	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*186.50*	
		For Clear Lacquer Finish, Add	*373.00*	
		For Baked Enamel Standard Colors, Add	*559.51*	
		For Anodized Finish, Add	*746.01*	
		For Kynar® Standard Colors Finish, Add	*1,025.76*	
08 91 19 00-0116	EA	54" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,323.01	126.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*206.91*	
		For Clear Lacquer Finish, Add	*413.82*	
		For Baked Enamel Standard Colors, Add	*620.73*	
		For Anodized Finish, Add	*827.64*	
		For Kynar® Standard Colors Finish, Add	*1,138.01*	
08 91 19 00-0117	EA	54" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,463.97	131.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*220.03*	
		For Clear Lacquer Finish, Add	*440.06*	
		For Baked Enamel Standard Colors, Add	*660.09*	
		For Anodized Finish, Add	*880.12*	
		For Kynar® Standard Colors Finish, Add	*1,210.17*	
08 91 19 00-0118	EA	54" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,624.98	136.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*235.16*	
		For Clear Lacquer Finish, Add	*470.31*	
		For Baked Enamel Standard Colors, Add	*705.47*	
		For Anodized Finish, Add	*940.62*	
		For Kynar® Standard Colors Finish, Add	*1,293.35*	
08 91 19 00-0119	EA	54" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,779.60	141.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*249.64*	
		For Clear Lacquer Finish, Add	*499.28*	
		For Baked Enamel Standard Colors, Add	*748.92*	
		For Anodized Finish, Add	*998.56*	
		For Kynar® Standard Colors Finish, Add	*1,373.03*	
08 91 19 00-0120	EA	54" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	2,907.82	146.48
		Note: Includes bird screen.		
		For Flange Frame, Add	*261.49*	
		For Clear Lacquer Finish, Add	*522.97*	
		For Baked Enamel Standard Colors, Add	*784.46*	
		For Anodized Finish, Add	*1,045.94*	
		For Kynar® Standard Colors Finish, Add	*1,438.17*	
08 91 19 00-0121	EA	54" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,133.84	153.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*282.62*	
		For Clear Lacquer Finish, Add	*565.25*	
		For Baked Enamel Standard Colors, Add	*847.87*	
		For Anodized Finish, Add	*1,130.49*	
		For Kynar® Standard Colors Finish, Add	*1,554.43*	
08 91 19 00-0122	EA	60" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	807.54	63.47
		Note: Includes bird screen.		
		For Flange Frame, Add	*68.06*	
		For Clear Lacquer Finish, Add	*136.12*	
		For Baked Enamel Standard Colors, Add	*204.18*	
		For Anodized Finish, Add	*272.24*	
		For Kynar® Standard Colors Finish, Add	*374.32*	
08 91 19 00-0123	EA	60" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	996.28	78.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*84.00*	
		For Clear Lacquer Finish, Add	*168.01*	
		For Baked Enamel Standard Colors, Add	*252.01*	
		For Anodized Finish, Add	*336.01*	
		For Kynar® Standard Colors Finish, Add	*462.02*	
08 91 19 00-0124	EA	60" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,157.95	87.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*98.22*	
		For Clear Lacquer Finish, Add	*196.43*	
		For Baked Enamel Standard Colors, Add	*294.65*	
		For Anodized Finish, Add	*392.87*	
		For Kynar® Standard Colors Finish, Add	*540.19*	
08 91 19 00-0125	EA	60" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,340.81	92.77
		Note: Includes bird screen.		
		For Flange Frame, Add	*115.53*	
		For Clear Lacquer Finish, Add	*231.05*	
		For Baked Enamel Standard Colors, Add	*346.58*	
		For Anodized Finish, Add	*462.11*	
		For Kynar® Standard Colors Finish, Add	*635.40*	
08 91 19 00-0126	EA	60" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,567.74	100.09
		Note: Includes bird screen.		
		For Flange Frame, Add	*136.76*	
		For Clear Lacquer Finish, Add	*273.51*	
		For Baked Enamel Standard Colors, Add	*410.27*	
		For Anodized Finish, Add	*547.02*	
		For Kynar® Standard Colors Finish, Add	*752.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0127	EA	60" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,736.95	104.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*152.70*	
		For Clear Lacquer Finish, Add	*305.40*	
		For Baked Enamel Standard Colors, Add	*458.10*	
		For Anodized Finish, Add	*610.80*	
		For Kynar® Standard Colors Finish, Add	*839.85*	
08 91 19 00-0128	EA	60" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	1,885.54	112.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*166.09*	
		For Clear Lacquer Finish, Add	*332.19*	
		For Baked Enamel Standard Colors, Add	*498.28*	
		For Anodized Finish, Add	*664.38*	
		For Kynar® Standard Colors Finish, Add	*913.52*	
08 91 19 00-0129	EA	60" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,108.83	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*186.96*	
		For Clear Lacquer Finish, Add	*373.92*	
		For Baked Enamel Standard Colors, Add	*560.87*	
		For Anodized Finish, Add	*747.83*	
		For Kynar® Standard Colors Finish, Add	*1,028.27*	
08 91 19 00-0130	EA	60" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,266.52	126.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*201.26*	
		For Clear Lacquer Finish, Add	*402.52*	
		For Baked Enamel Standard Colors, Add	*603.79*	
		For Anodized Finish, Add	*805.05*	
		For Kynar® Standard Colors Finish, Add	*1,106.94*	
08 91 19 00-0131	EA	60" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,503.48	134.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*223.49*	
		For Clear Lacquer Finish, Add	*446.99*	
		For Baked Enamel Standard Colors, Add	*670.48*	
		For Anodized Finish, Add	*893.97*	
		For Kynar® Standard Colors Finish, Add	*1,229.21*	
08 91 19 00-0132	EA	60" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,653.55	139.16
		Note: Includes bird screen.		
		For Flange Frame, Add	*237.52*	
		For Clear Lacquer Finish, Add	*475.05*	
		For Baked Enamel Standard Colors, Add	*712.57*	
		For Anodized Finish, Add	*950.10*	
		For Kynar® Standard Colors Finish, Add	*1,306.38*	
08 91 19 00-0133	EA	60" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	2,824.58	144.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*253.65*	
		For Clear Lacquer Finish, Add	*507.30*	
		For Baked Enamel Standard Colors, Add	*760.95*	
		For Anodized Finish, Add	*1,014.60*	
		For Kynar® Standard Colors Finish, Add	*1,395.08*	
08 91 19 00-0134	EA	60" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	2,991.96	148.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*269.41*	
		For Clear Lacquer Finish, Add	*538.82*	
		For Baked Enamel Standard Colors, Add	*808.24*	
		For Anodized Finish, Add	*1,077.65*	
		For Kynar® Standard Colors Finish, Add	*1,481.77*	
08 91 19 00-0135	EA	60" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,133.84	153.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*282.62*	
		For Clear Lacquer Finish, Add	*565.25*	
		For Baked Enamel Standard Colors, Add	*847.87*	
		For Anodized Finish, Add	*1,130.49*	
		For Kynar® Standard Colors Finish, Add	*1,554.43*	
08 91 19 00-0136	EA	60" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,370.47	158.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*305.31*	
		For Clear Lacquer Finish, Add	*610.62*	
		For Baked Enamel Standard Colors, Add	*915.93*	
		For Anodized Finish, Add	*1,221.24*	
		For Kynar® Standard Colors Finish, Add	*1,679.21*	
08 91 19 00-0137	EA	66" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	931.19	68.35
		Note: Includes bird screen.		
		For Flange Frame, Add	*79.45*	
		For Clear Lacquer Finish, Add	*158.90*	
		For Baked Enamel Standard Colors, Add	*238.34*	
		For Anodized Finish, Add	*317.79*	
		For Kynar® Standard Colors Finish, Add	*436.96*	
08 91 19 00-0138	EA	66" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,151.82	83.00
		Note: Includes bird screen.		
		For Flange Frame, Add	*98.58*	
		For Clear Lacquer Finish, Add	*197.16*	
		For Baked Enamel Standard Colors, Add	*295.74*	
		For Anodized Finish, Add	*394.32*	
		For Kynar® Standard Colors Finish, Add	*542.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0139	EA	66" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,342.37	97.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*114.71*	
		For Clear Lacquer Finish, Add	*229.41*	
		For Baked Enamel Standard Colors, Add	*344.12*	
		For Anodized Finish, Add	*458.83*	
		For Kynar® Standard Colors Finish, Add	*630.89*	
08 91 19 00-0140	EA	66" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,541.65	102.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*133.66*	
		For Clear Lacquer Finish, Add	*267.32*	
		For Baked Enamel Standard Colors, Add	*400.97*	
		For Anodized Finish, Add	*534.63*	
		For Kynar® Standard Colors Finish, Add	*735.12*	
08 91 19 00-0141	EA	66" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,806.52	107.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*159.17*	
		For Clear Lacquer Finish, Add	*318.34*	
		For Baked Enamel Standard Colors, Add	*477.51*	
		For Anodized Finish, Add	*636.68*	
		For Kynar® Standard Colors Finish, Add	*875.43*	
08 91 19 00-0142	EA	66" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	1,991.22	112.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*176.66*	
		For Clear Lacquer Finish, Add	*353.32*	
		For Baked Enamel Standard Colors, Add	*529.99*	
		For Anodized Finish, Add	*706.65*	
		For Kynar® Standard Colors Finish, Add	*971.64*	
08 91 19 00-0143	EA	66" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,168.96	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*192.97*	
		For Clear Lacquer Finish, Add	*385.94*	
		For Baked Enamel Standard Colors, Add	*578.91*	
		For Anodized Finish, Add	*771.88*	
		For Kynar® Standard Colors Finish, Add	*1,061.34*	
08 91 19 00-0144	EA	66" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,377.67	126.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*212.38*	
		For Clear Lacquer Finish, Add	*424.75*	
		For Baked Enamel Standard Colors, Add	*637.13*	
		For Anodized Finish, Add	*849.51*	
		For Kynar® Standard Colors Finish, Add	*1,168.07*	
08 91 19 00-0145	EA	66" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,554.50	134.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*228.60*	
		For Clear Lacquer Finish, Add	*457.19*	
		For Baked Enamel Standard Colors, Add	*685.79*	
		For Anodized Finish, Add	*914.38*	
		For Kynar® Standard Colors Finish, Add	*1,257.27*	
08 91 19 00-0146	EA	66" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,826.40	144.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*253.83*	
		For Clear Lacquer Finish, Add	*507.66*	
		For Baked Enamel Standard Colors, Add	*761.50*	
		For Anodized Finish, Add	*1,015.33*	
		For Kynar® Standard Colors Finish, Add	*1,396.08*	
08 91 19 00-0147	EA	66" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,996.85	151.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*269.41*	
		For Clear Lacquer Finish, Add	*538.82*	
		For Baked Enamel Standard Colors, Add	*808.24*	
		For Anodized Finish, Add	*1,077.65*	
		For Kynar® Standard Colors Finish, Add	*1,481.77*	
08 91 19 00-0148	EA	66" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,177.89	156.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*286.54*	
		For Clear Lacquer Finish, Add	*573.08*	
		For Baked Enamel Standard Colors, Add	*859.62*	
		For Anodized Finish, Add	*1,146.16*	
		For Kynar® Standard Colors Finish, Add	*1,575.98*	
08 91 19 00-0149	EA	66" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,362.59	161.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*304.03*	
		For Clear Lacquer Finish, Add	*608.07*	
		For Baked Enamel Standard Colors, Add	*912.10*	
		For Anodized Finish, Add	*1,216.14*	
		For Kynar® Standard Colors Finish, Add	*1,672.19*	
08 91 19 00-0150	EA	66" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,522.68	166.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*319.07*	
		For Clear Lacquer Finish, Add	*638.13*	
		For Baked Enamel Standard Colors, Add	*957.20*	
		For Anodized Finish, Add	*1,276.27*	
		For Kynar® Standard Colors Finish, Add	*1,754.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0151	EA	66" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	3,786.65	170.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*344.49*	
		For Clear Lacquer Finish, Add	*688.97*	
		For Baked Enamel Standard Colors, Add	*1,033.46*	
		For Anodized Finish, Add	*1,377.95*	
		For Kynar® Standard Colors Finish, Add	*1,894.68*	
08 91 19 00-0152	EA	72" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	982.87	73.24
		Note: Includes bird screen.		
		For Flange Frame, Add	*83.64*	
		For Clear Lacquer Finish, Add	*167.28*	
		For Baked Enamel Standard Colors, Add	*250.92*	
		For Anodized Finish, Add	*334.56*	
		For Kynar® Standard Colors Finish, Add	*460.01*	
08 91 19 00-0153	EA	72" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,214.43	87.88
		Note: Includes bird screen.		
		For Flange Frame, Add	*103.87*	
		For Clear Lacquer Finish, Add	*207.73*	
		For Baked Enamel Standard Colors, Add	*311.60*	
		For Anodized Finish, Add	*415.46*	
		For Kynar® Standard Colors Finish, Add	*571.26*	
08 91 19 00-0154	EA	72" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,415.01	102.53
		Note: Includes bird screen.		
		For Flange Frame, Add	*120.99*	
		For Clear Lacquer Finish, Add	*241.99*	
		For Baked Enamel Standard Colors, Add	*362.98*	
		For Anodized Finish, Add	*483.98*	
		For Kynar® Standard Colors Finish, Add	*665.47*	
08 91 19 00-0155	EA	72" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,631.01	109.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*141.13*	
		For Clear Lacquer Finish, Add	*282.26*	
		For Baked Enamel Standard Colors, Add	*423.39*	
		For Anodized Finish, Add	*564.52*	
		For Kynar® Standard Colors Finish, Add	*776.21*	
08 91 19 00-0156	EA	72" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	1,915.02	114.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*168.55*	
		For Clear Lacquer Finish, Add	*337.11*	
		For Baked Enamel Standard Colors, Add	*505.66*	
		For Anodized Finish, Add	*674.22*	
		For Kynar® Standard Colors Finish, Add	*927.05*	
08 91 19 00-0157	EA	72" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,109.74	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*187.05*	
		For Clear Lacquer Finish, Add	*374.10*	
		For Baked Enamel Standard Colors, Add	*561.15*	
		For Anodized Finish, Add	*748.20*	
		For Kynar® Standard Colors Finish, Add	*1,028.77*	
08 91 19 00-0158	EA	72" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,299.32	126.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*204.54*	
		For Clear Lacquer Finish, Add	*409.08*	
		For Baked Enamel Standard Colors, Add	*613.63*	
		For Anodized Finish, Add	*818.17*	
		For Kynar® Standard Colors Finish, Add	*1,124.98*	
08 91 19 00-0159	EA	72" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,514.99	131.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*225.13*	
		For Clear Lacquer Finish, Add	*450.27*	
		For Baked Enamel Standard Colors, Add	*675.40*	
		For Anodized Finish, Add	*900.53*	
		For Kynar® Standard Colors Finish, Add	*1,238.23*	
08 91 19 00-0160	EA	72" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,700.01	139.16
		Note: Includes bird screen.		
		For Flange Frame, Add	*242.17*	
		For Clear Lacquer Finish, Add	*484.34*	
		For Baked Enamel Standard Colors, Add	*726.51*	
		For Anodized Finish, Add	*968.68*	
		For Kynar® Standard Colors Finish, Add	*1,331.94*	
08 91 19 00-0161	EA	72" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	2,996.85	151.36
		Note: Includes bird screen.		
		For Flange Frame, Add	*269.41*	
		For Clear Lacquer Finish, Add	*538.82*	
		For Baked Enamel Standard Colors, Add	*808.24*	
		For Anodized Finish, Add	*1,077.65*	
		For Kynar® Standard Colors Finish, Add	*1,481.77*	
08 91 19 00-0162	EA	72" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,184.60	158.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*286.72*	
		For Clear Lacquer Finish, Add	*573.45*	
		For Baked Enamel Standard Colors, Add	*860.17*	
		For Anodized Finish, Add	*1,146.89*	
		For Kynar® Standard Colors Finish, Add	*1,576.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0163	EA	72" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,371.12	163.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*304.40*	
		For Clear Lacquer Finish, Add	*608.80*	
		For Baked Enamel Standard Colors, Add	*913.20*	
		For Anodized Finish, Add	*1,217.60*	
		For Kynar® Standard Colors Finish, Add	*1,674.19*	
08 91 19 00-0164	EA	72" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,560.37	168.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*322.35*	
		For Clear Lacquer Finish, Add	*644.69*	
		For Baked Enamel Standard Colors, Add	*967.04*	
		For Anodized Finish, Add	*1,289.39*	
		For Kynar® Standard Colors Finish, Add	*1,772.91*	
08 91 19 00-0165	EA	72" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,737.77	173.34
		Note: Includes bird screen.		
		For Flange Frame, Add	*339.11*	
		For Clear Lacquer Finish, Add	*678.22*	
		For Baked Enamel Standard Colors, Add	*1,017.33*	
		For Anodized Finish, Add	*1,356.44*	
		For Kynar® Standard Colors Finish, Add	*1,865.11*	
08 91 19 00-0166	EA	72" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,019.05	178.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*366.26*	
		For Clear Lacquer Finish, Add	*732.52*	
		For Baked Enamel Standard Colors, Add	*1,098.79*	
		For Anodized Finish, Add	*1,465.05*	
		For Kynar® Standard Colors Finish, Add	*2,014.44*	
08 91 19 00-0167	EA	78" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,045.48	78.12
		Note: Includes bird screen.		
		For Flange Frame, Add	*88.92*	
		For Clear Lacquer Finish, Add	*177.85*	
		For Baked Enamel Standard Colors, Add	*266.77*	
		For Anodized Finish, Add	*355.69*	
		For Kynar® Standard Colors Finish, Add	*489.08*	
08 91 19 00-0168	EA	78" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,283.42	92.77
		Note: Includes bird screen.		
		For Flange Frame, Add	*109.79*	
		For Clear Lacquer Finish, Add	*219.58*	
		For Baked Enamel Standard Colors, Add	*329.36*	
		For Anodized Finish, Add	*439.15*	
		For Kynar® Standard Colors Finish, Add	*603.83*	
08 91 19 00-0169	EA	78" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,488.55	107.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*127.37*	
		For Clear Lacquer Finish, Add	*254.74*	
		For Baked Enamel Standard Colors, Add	*382.12*	
		For Anodized Finish, Add	*509.49*	
		For Kynar® Standard Colors Finish, Add	*700.55*	
08 91 19 00-0170	EA	78" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,719.13	114.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*148.97*	
		For Clear Lacquer Finish, Add	*297.93*	
		For Baked Enamel Standard Colors, Add	*446.90*	
		For Anodized Finish, Add	*595.86*	
		For Kynar® Standard Colors Finish, Add	*819.31*	
08 91 19 00-0171	EA	78" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,019.54	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*178.03*	
		For Clear Lacquer Finish, Add	*356.06*	
		For Baked Enamel Standard Colors, Add	*534.09*	
		For Anodized Finish, Add	*712.12*	
		For Kynar® Standard Colors Finish, Add	*979.16*	
08 91 19 00-0172	EA	78" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,222.45	124.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*197.34*	
		For Clear Lacquer Finish, Add	*394.69*	
		For Baked Enamel Standard Colors, Add	*592.03*	
		For Anodized Finish, Add	*789.38*	
		For Kynar® Standard Colors Finish, Add	*1,085.39*	
08 91 19 00-0173	EA	78" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,425.70	131.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*216.20*	
		For Clear Lacquer Finish, Add	*432.41*	
		For Baked Enamel Standard Colors, Add	*648.61*	
		For Anodized Finish, Add	*864.82*	
		For Kynar® Standard Colors Finish, Add	*1,189.12*	
08 91 19 00-0174	EA	78" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,654.13	136.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*238.07*	
		For Clear Lacquer Finish, Add	*476.14*	
		For Baked Enamel Standard Colors, Add	*714.21*	
		For Anodized Finish, Add	*952.28*	
		For Kynar® Standard Colors Finish, Add	*1,309.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0175	EA	78" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	2,852.83	144.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*256.48*	
		For Clear Lacquer Finish, Add	*512.95*	
		For Baked Enamel Standard Colors, Add	*769.43*	
		For Anodized Finish, Add	*1,025.90*	
		For Kynar® Standard Colors Finish, Add	*1,410.61*	
08 91 19 00-0176	EA	78" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,168.78	156.25
		Note: Includes bird screen.		
		For Flange Frame, Add	*285.63*	
		For Clear Lacquer Finish, Add	*571.26*	
		For Baked Enamel Standard Colors, Add	*856.89*	
		For Anodized Finish, Add	*1,142.52*	
		For Kynar® Standard Colors Finish, Add	*1,570.97*	
08 91 19 00-0177	EA	78" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,365.65	163.57
		Note: Includes bird screen.		
		For Flange Frame, Add	*303.85*	
		For Clear Lacquer Finish, Add	*607.70*	
		For Baked Enamel Standard Colors, Add	*911.56*	
		For Anodized Finish, Add	*1,215.41*	
		For Kynar® Standard Colors Finish, Add	*1,671.19*	
08 91 19 00-0178	EA	78" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,571.63	170.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*322.99*	
		For Clear Lacquer Finish, Add	*645.97*	
		For Baked Enamel Standard Colors, Add	*968.96*	
		For Anodized Finish, Add	*1,291.94*	
		For Kynar® Standard Colors Finish, Add	*1,776.42*	
08 91 19 00-0179	EA	78" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	3,760.89	175.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*340.93*	
		For Clear Lacquer Finish, Add	*681.87*	
		For Baked Enamel Standard Colors, Add	*1,022.80*	
		For Anodized Finish, Add	*1,363.74*	
		For Kynar® Standard Colors Finish, Add	*1,875.14*	
08 91 19 00-0180	EA	78" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	3,950.13	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*358.88*	
		For Clear Lacquer Finish, Add	*717.76*	
		For Baked Enamel Standard Colors, Add	*1,076.65*	
		For Anodized Finish, Add	*1,435.53*	
		For Kynar® Standard Colors Finish, Add	*1,973.85*	
08 91 19 00-0181	EA	78" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,249.63	185.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*387.86*	
		For Clear Lacquer Finish, Add	*775.71*	
		For Baked Enamel Standard Colors, Add	*1,163.57*	
		For Anodized Finish, Add	*1,551.42*	
		For Kynar® Standard Colors Finish, Add	*2,133.20*	
08 91 19 00-0182	EA	84" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,096.24	83.00
		Note: Includes bird screen.		
		For Flange Frame, Add	*93.02*	
		For Clear Lacquer Finish, Add	*186.05*	
		For Baked Enamel Standard Colors, Add	*279.07*	
		For Anodized Finish, Add	*372.09*	
		For Kynar® Standard Colors Finish, Add	*511.63*	
08 91 19 00-0183	EA	84" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,344.20	97.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*114.89*	
		For Clear Lacquer Finish, Add	*229.78*	
		For Baked Enamel Standard Colors, Add	*344.67*	
		For Anodized Finish, Add	*459.56*	
		For Kynar® Standard Colors Finish, Add	*631.90*	
08 91 19 00-0184	EA	84" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,571.21	112.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*134.66*	
		For Clear Lacquer Finish, Add	*269.32*	
		For Baked Enamel Standard Colors, Add	*403.98*	
		For Anodized Finish, Add	*538.64*	
		For Kynar® Standard Colors Finish, Add	*740.64*	
08 91 19 00-0185	EA	84" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,809.08	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*156.98*	
		For Clear Lacquer Finish, Add	*313.97*	
		For Baked Enamel Standard Colors, Add	*470.95*	
		For Anodized Finish, Add	*627.93*	
		For Kynar® Standard Colors Finish, Add	*863.41*	
08 91 19 00-0186	EA	84" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,128.61	124.51
		Note: Includes bird screen.		
		For Flange Frame, Add	*187.96*	
		For Clear Lacquer Finish, Add	*375.92*	
		For Baked Enamel Standard Colors, Add	*563.88*	
		For Anodized Finish, Add	*751.84*	
		For Kynar® Standard Colors Finish, Add	*1,033.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0187	EA	84" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,343.38	129.39
		Note: Includes bird screen.		
		For Flange Frame, Add	*208.46*	
		For Clear Lacquer Finish, Add	*416.92*	
		For Baked Enamel Standard Colors, Add	*625.38*	
		For Anodized Finish, Add	*833.84*	
		For Kynar® Standard Colors Finish, Add	*1,146.53*	
08 91 19 00-0188	EA	84" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,551.18	136.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*227.78*	
		For Clear Lacquer Finish, Add	*455.55*	
		For Baked Enamel Standard Colors, Add	*683.33*	
		For Anodized Finish, Add	*911.10*	
		For Kynar® Standard Colors Finish, Add	*1,252.76*	
08 91 19 00-0189	EA	84" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,797.83	141.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*251.46*	
		For Clear Lacquer Finish, Add	*502.93*	
		For Baked Enamel Standard Colors, Add	*754.39*	
		For Anodized Finish, Add	*1,005.86*	
		For Kynar® Standard Colors Finish, Add	*1,383.05*	
08 91 19 00-0190	EA	84" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,006.54	148.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*270.87*	
		For Clear Lacquer Finish, Add	*541.74*	
		For Baked Enamel Standard Colors, Add	*812.61*	
		For Anodized Finish, Add	*1,083.48*	
		For Kynar® Standard Colors Finish, Add	*1,489.79*	
08 91 19 00-0191	EA	84" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,341.64	161.13
		Note: Includes bird screen.		
		For Flange Frame, Add	*301.94*	
		For Clear Lacquer Finish, Add	*603.88*	
		For Baked Enamel Standard Colors, Add	*905.82*	
		For Anodized Finish, Add	*1,207.76*	
		For Kynar® Standard Colors Finish, Add	*1,660.66*	
08 91 19 00-0192	EA	84" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,545.79	168.45
		Note: Includes bird screen.		
		For Flange Frame, Add	*320.89*	
		For Clear Lacquer Finish, Add	*641.78*	
		For Baked Enamel Standard Colors, Add	*962.67*	
		For Anodized Finish, Add	*1,283.56*	
		For Kynar® Standard Colors Finish, Add	*1,764.89*	
08 91 19 00-0193	EA	84" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,770.00	175.78
		Note: Includes bird screen.		
		For Flange Frame, Add	*341.85*	
		For Clear Lacquer Finish, Add	*683.69*	
		For Baked Enamel Standard Colors, Add	*1,025.54*	
		For Anodized Finish, Add	*1,367.38*	
		For Kynar® Standard Colors Finish, Add	*1,880.15*	
08 91 19 00-0194	EA	84" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,010.27	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*364.90*	
		For Clear Lacquer Finish, Add	*729.79*	
		For Baked Enamel Standard Colors, Add	*1,094.69*	
		For Anodized Finish, Add	*1,459.58*	
		For Kynar® Standard Colors Finish, Add	*2,006.93*	
08 91 19 00-0195	EA	84" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,226.86	185.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*385.58*	
		For Clear Lacquer Finish, Add	*771.16*	
		For Baked Enamel Standard Colors, Add	*1,156.73*	
		For Anodized Finish, Add	*1,542.31*	
		For Kynar® Standard Colors Finish, Add	*2,120.68*	
08 91 19 00-0196	EA	84" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,549.12	190.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*416.83*	
		For Clear Lacquer Finish, Add	*833.66*	
		For Baked Enamel Standard Colors, Add	*1,250.48*	
		For Anodized Finish, Add	*1,667.31*	
		For Kynar® Standard Colors Finish, Add	*2,292.55*	
08 91 19 00-0197	EA	90" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,162.83	90.33
		Note: Includes bird screen.		
		For Flange Frame, Add	*98.22*	
		For Clear Lacquer Finish, Add	*196.43*	
		For Baked Enamel Standard Colors, Add	*294.65*	
		For Anodized Finish, Add	*392.87*	
		For Kynar® Standard Colors Finish, Add	*540.19*	
08 91 19 00-0198	EA	90" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,414.42	104.97
		Note: Includes bird screen.		
		For Flange Frame, Add	*120.45*	
		For Clear Lacquer Finish, Add	*240.89*	
		For Baked Enamel Standard Colors, Add	*361.34*	
		For Anodized Finish, Add	*481.79*	
		For Kynar® Standard Colors Finish, Add	*662.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0199	EA	90" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,650.54	119.62
		Note: Includes bird screen.		
		For Flange Frame, Add	*141.13*	
		For Clear Lacquer Finish, Add	*282.26*	
		For Baked Enamel Standard Colors, Add	*423.39*	
		For Anodized Finish, Add	*564.52*	
		For Kynar® Standard Colors Finish, Add	*776.21*	
08 91 19 00-0200	EA	90" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,895.70	126.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*164.18*	
		For Clear Lacquer Finish, Add	*328.36*	
		For Baked Enamel Standard Colors, Add	*492.54*	
		For Anodized Finish, Add	*656.72*	
		For Kynar® Standard Colors Finish, Add	*902.99*	
08 91 19 00-0201	EA	90" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,237.10	131.83
		Note: Includes bird screen.		
		For Flange Frame, Add	*197.34*	
		For Clear Lacquer Finish, Add	*394.69*	
		For Baked Enamel Standard Colors, Add	*592.03*	
		For Anodized Finish, Add	*789.38*	
		For Kynar® Standard Colors Finish, Add	*1,085.39*	
08 91 19 00-0202	EA	90" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,459.16	136.71
		Note: Includes bird screen.		
		For Flange Frame, Add	*218.57*	
		For Clear Lacquer Finish, Add	*437.15*	
		For Baked Enamel Standard Colors, Add	*655.72*	
		For Anodized Finish, Add	*874.29*	
		For Kynar® Standard Colors Finish, Add	*1,202.15*	
08 91 19 00-0203	EA	90" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,671.18	141.60
		Note: Includes bird screen.		
		For Flange Frame, Add	*238.80*	
		For Clear Lacquer Finish, Add	*477.60*	
		For Baked Enamel Standard Colors, Add	*716.40*	
		For Anodized Finish, Add	*955.20*	
		For Kynar® Standard Colors Finish, Add	*1,313.39*	
08 91 19 00-0204	EA	90" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	2,931.51	146.48
		Note: Includes bird screen.		
		For Flange Frame, Add	*263.86*	
		For Clear Lacquer Finish, Add	*527.71*	
		For Baked Enamel Standard Colors, Add	*791.57*	
		For Anodized Finish, Add	*1,055.42*	
		For Kynar® Standard Colors Finish, Add	*1,451.20*	
08 91 19 00-0205	EA	90" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,151.15	153.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*284.35*	
		For Clear Lacquer Finish, Add	*568.71*	
		For Baked Enamel Standard Colors, Add	*853.06*	
		For Anodized Finish, Add	*1,137.42*	
		For Kynar® Standard Colors Finish, Add	*1,563.95*	
08 91 19 00-0206	EA	90" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,505.37	166.01
		Note: Includes bird screen.		
		For Flange Frame, Add	*317.34*	
		For Clear Lacquer Finish, Add	*634.67*	
		For Baked Enamel Standard Colors, Add	*952.01*	
		For Anodized Finish, Add	*1,269.34*	
		For Kynar® Standard Colors Finish, Add	*1,745.35*	
08 91 19 00-0207	EA	90" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	3,718.64	173.34
		Note: Includes bird screen.		
		For Flange Frame, Add	*337.20*	
		For Clear Lacquer Finish, Add	*674.40*	
		For Baked Enamel Standard Colors, Add	*1,011.59*	
		For Anodized Finish, Add	*1,348.79*	
		For Kynar® Standard Colors Finish, Add	*1,854.59*	
08 91 19 00-0208	EA	90" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	3,962.89	180.66
		Note: Includes bird screen.		
		For Flange Frame, Add	*360.16*	
		For Clear Lacquer Finish, Add	*720.32*	
		For Baked Enamel Standard Colors, Add	*1,080.47*	
		For Anodized Finish, Add	*1,440.63*	
		For Kynar® Standard Colors Finish, Add	*1,980.87*	
08 91 19 00-0209	EA	90" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,217.74	185.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*384.67*	
		For Clear Lacquer Finish, Add	*769.33*	
		For Baked Enamel Standard Colors, Add	*1,154.00*	
		For Anodized Finish, Add	*1,538.66*	
		For Kynar® Standard Colors Finish, Add	*2,115.66*	
08 91 19 00-0210	EA	90" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,433.75	192.86
		Note: Includes bird screen.		
		For Flange Frame, Add	*404.80*	
		For Clear Lacquer Finish, Add	*809.60*	
		For Baked Enamel Standard Colors, Add	*1,214.41*	
		For Anodized Finish, Add	*1,619.21*	
		For Kynar® Standard Colors Finish, Add	*2,226.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0211	EA	90" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	4,775.15	197.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*437.97*	
		For Clear Lacquer Finish, Add	*875.93*	
		For Baked Enamel Standard Colors, Add	*1,313.90*	
		For Anodized Finish, Add	*1,751.86*	
		For Kynar® Standard Colors Finish, Add	*2,408.81*	
08 91 19 00-0212	EA	96" Wide x 12" High Fixed Intake Louver, Galvanized Aluminum	1,220.29	97.65
		Note: Includes bird screen.		
		For Flange Frame, Add	*102.50*	
		For Clear Lacquer Finish, Add	*205.00*	
		For Baked Enamel Standard Colors, Add	*307.50*	
		For Anodized Finish, Add	*410.00*	
		For Kynar® Standard Colors Finish, Add	*563.74*	
08 91 19 00-0213	EA	96" Wide x 18" High Fixed Intake Louver, Galvanized Aluminum	1,481.01	112.30
		Note: Includes bird screen.		
		For Flange Frame, Add	*125.64*	
		For Clear Lacquer Finish, Add	*251.28*	
		For Baked Enamel Standard Colors, Add	*376.92*	
		For Anodized Finish, Add	*502.56*	
		For Kynar® Standard Colors Finish, Add	*691.03*	
08 91 19 00-0214	EA	96" Wide x 24" High Fixed Intake Louver, Galvanized Aluminum	1,728.97	126.95
		Note: Includes bird screen.		
		For Flange Frame, Add	*147.51*	
		For Clear Lacquer Finish, Add	*295.01*	
		For Baked Enamel Standard Colors, Add	*442.52*	
		For Anodized Finish, Add	*590.03*	
		For Kynar® Standard Colors Finish, Add	*811.29*	
08 91 19 00-0215	EA	96" Wide x 30" High Fixed Intake Louver, Galvanized Aluminum	1,987.80	134.27
		Note: Includes bird screen.		
		For Flange Frame, Add	*171.93*	
		For Clear Lacquer Finish, Add	*343.85*	
		For Baked Enamel Standard Colors, Add	*515.78*	
		For Anodized Finish, Add	*687.70*	
		For Kynar® Standard Colors Finish, Add	*945.59*	
08 91 19 00-0216	EA	96" Wide x 36" High Fixed Intake Louver, Galvanized Aluminum	2,340.13	139.16
		Note: Includes bird screen.		
		For Flange Frame, Add	*206.18*	
		For Clear Lacquer Finish, Add	*412.36*	
		For Baked Enamel Standard Colors, Add	*618.55*	
		For Anodized Finish, Add	*824.73*	
		For Kynar® Standard Colors Finish, Add	*1,134.00*	
08 91 19 00-0217	EA	96" Wide x 42" High Fixed Intake Louver, Galvanized Aluminum	2,599.54	144.04
		Note: Includes bird screen.		
		For Flange Frame, Add	*231.15*	
		For Clear Lacquer Finish, Add	*462.29*	
		For Baked Enamel Standard Colors, Add	*693.44*	
		For Anodized Finish, Add	*924.58*	
		For Kynar® Standard Colors Finish, Add	*1,271.30*	
08 91 19 00-0218	EA	96" Wide x 48" High Fixed Intake Louver, Galvanized Aluminum	2,825.23	148.92
		Note: Includes bird screen.		
		For Flange Frame, Add	*252.74*	
		For Clear Lacquer Finish, Add	*505.48*	
		For Baked Enamel Standard Colors, Add	*758.22*	
		For Anodized Finish, Add	*1,010.96*	
		For Kynar® Standard Colors Finish, Add	*1,390.06*	
08 91 19 00-0219	EA	96" Wide x 54" High Fixed Intake Louver, Galvanized Aluminum	3,072.80	153.80
		Note: Includes bird screen.		
		For Flange Frame, Add	*276.52*	
		For Clear Lacquer Finish, Add	*553.04*	
		For Baked Enamel Standard Colors, Add	*829.56*	
		For Anodized Finish, Add	*1,106.08*	
		For Kynar® Standard Colors Finish, Add	*1,520.85*	
08 91 19 00-0220	EA	96" Wide x 60" High Fixed Intake Louver, Galvanized Aluminum	3,302.13	158.69
		Note: Includes bird screen.		
		For Flange Frame, Add	*298.48*	
		For Clear Lacquer Finish, Add	*596.95*	
		For Baked Enamel Standard Colors, Add	*895.43*	
		For Anodized Finish, Add	*1,193.90*	
		For Kynar® Standard Colors Finish, Add	*1,641.62*	
08 91 19 00-0221	EA	96" Wide x 66" High Fixed Intake Louver, Galvanized Aluminum	3,682.78	170.90
		Note: Includes bird screen.		
		For Flange Frame, Add	*334.10*	
		For Clear Lacquer Finish, Add	*668.20*	
		For Baked Enamel Standard Colors, Add	*1,002.30*	
		For Anodized Finish, Add	*1,336.40*	
		For Kynar® Standard Colors Finish, Add	*1,837.55*	
08 91 19 00-0222	EA	96" Wide x 72" High Fixed Intake Louver, Galvanized Aluminum	2,923.00	178.22
		Note: Includes bird screen.		
		For Flange Frame, Add	*256.66*	
		For Clear Lacquer Finish, Add	*513.31*	
		For Baked Enamel Standard Colors, Add	*769.97*	
		For Anodized Finish, Add	*1,026.63*	
		For Kynar® Standard Colors Finish, Add	*1,411.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0223	EA	96" Wide x 78" High Fixed Intake Louver, Galvanized Aluminum	4,153.06	185.54
		Note: Includes bird screen.		
		For Flange Frame, Add	*378.20*	
		For Clear Lacquer Finish, Add	*756.40*	
		For Baked Enamel Standard Colors, Add	*1,134.59*	
		For Anodized Finish, Add	*1,512.79*	
		For Kynar® Standard Colors Finish, Add	*2,080.09*	
08 91 19 00-0224	EA	96" Wide x 84" High Fixed Intake Louver, Galvanized Aluminum	4,417.01	190.42
		Note: Includes bird screen.		
		For Flange Frame, Add	*403.62*	
		For Clear Lacquer Finish, Add	*807.23*	
		For Baked Enamel Standard Colors, Add	*1,210.85*	
		For Anodized Finish, Add	*1,614.47*	
		For Kynar® Standard Colors Finish, Add	*2,219.89*	
08 91 19 00-0225	EA	96" Wide x 90" High Fixed Intake Louver, Galvanized Aluminum	4,643.95	197.74
		Note: Includes bird screen.		
		For Flange Frame, Add	*424.85*	
		For Clear Lacquer Finish, Add	*849.69*	
		For Baked Enamel Standard Colors, Add	*1,274.54*	
		For Anodized Finish, Add	*1,699.38*	
		For Kynar® Standard Colors Finish, Add	*2,336.65*	
08 91 19 00-0226	EA	96" Wide x 96" High Fixed Intake Louver, Galvanized Aluminum	5,011.20	205.07
		Note: Includes bird screen.		
		For Flange Frame, Add	*460.11*	
		For Clear Lacquer Finish, Add	*920.21*	
		For Baked Enamel Standard Colors, Add	*1,380.32*	
		For Anodized Finish, Add	*1,840.42*	
		For Kynar® Standard Colors Finish, Add	*2,530.58*	

08 91 19 00-0227 Gable Louver Vents *(08 91 19)*

Note: 1" deep, residential/light commercial grade louvers.

08 91 19 00-0228 Aluminum Gable Louver Vents *(08 91 19 00-0227)*

Note: Includes screen.

08 91 19 00-0229 Rectangular Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0230	EA	12" x 18" Rectangular Fixed Aluminum Gable Louver Vent	177.40	8.83
08 91 19 00-0231	EA	12" x 24" Rectangular Fixed Aluminum Gable Louver Vent	194.24	10.14
08 91 19 00-0232	EA	18" x 24" Rectangular Fixed Aluminum Gable Louver Vent	224.01	11.45
08 91 19 00-0233	EA	18" x 30" Rectangular Fixed Aluminum Gable Louver Vent	245.53	12.17
08 91 19 00-0234	EA	24" x 30" Rectangular Fixed Aluminum Gable Louver Vent	279.97	12.89
08 91 19 00-0235	EA	24" x 36" Rectangular Fixed Aluminum Gable Louver Vent	313.54	15.46
08 91 19 00-0236	EA	30" x 36" Rectangular Fixed Aluminum Gable Louver Vent	363.89	19.32
08 91 19 00-0237	EA	30" x 42" Rectangular Fixed Aluminum Gable Louver Vent	405.86	22.55
08 91 19 00-0238	EA	36" x 42" Rectangular Fixed Aluminum Gable Louver Vent	464.60	27.06
08 91 19 00-0239	EA	42" x 48" Rectangular Fixed Aluminum Gable Louver Vent	582.08	36.07

08 91 19 00-0240 Square Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0241	EA	12" x 12" Square Fixed Aluminum Gable Louver Vent	162.39	8.13
08 91 19 00-0242	EA	18" x 18" Square Fixed Aluminum Gable Louver Vent	201.19	10.31
08 91 19 00-0243	EA	24" x 24" Square Fixed Aluminum Gable Louver Vent	251.98	12.16
08 91 19 00-0244	EA	30" x 30" Square Fixed Aluminum Gable Louver Vent	321.93	16.11
08 91 19 00-0245	EA	36" x 36" Square Fixed Aluminum Gable Louver Vent	414.24	23.20
08 91 19 00-0246	EA	42" x 42" Square Fixed Aluminum Gable Louver Vent	523.28	31.55
08 91 19 00-0247	EA	48" x 48" Square Fixed Aluminum Gable Louver Vent	649.23	41.23

08 91 19 00-0248 Round Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0249	EA	12" Diameter Round Fixed Aluminum Gable Louver Vent	162.39	8.13
08 91 19 00-0250	EA	18" Diameter Round Fixed Aluminum Gable Louver Vent	201.19	10.31
08 91 19 00-0251	EA	24" Diameter Round Fixed Aluminum Gable Louver Vent	251.98	12.16
08 91 19 00-0252	EA	30" Diameter Round Fixed Aluminum Gable Louver Vent	321.93	16.11
08 91 19 00-0253	EA	36" Diameter Round Fixed Aluminum Gable Louver Vent	414.24	23.20
08 91 19 00-0254	EA	42" Diameter Round Fixed Aluminum Gable Louver Vent	523.35	31.57

08 91 19 00-0255 Octagonal Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0256	EA	12" x 12" Octagonal Fixed Aluminum Gable Louver Vent	162.39	8.13
08 91 19 00-0257	EA	12" x 18" Octagonal Fixed Aluminum Gable Louver Vent	177.40	8.83
08 91 19 00-0258	EA	12" x 24" Octagonal Fixed Aluminum Gable Louver Vent	194.24	10.14
08 91 19 00-0259	EA	18" x 18" Octagonal Fixed Aluminum Gable Louver Vent	201.19	10.31
08 91 19 00-0260	EA	18" x 24" Octagonal Fixed Aluminum Gable Louver Vent	224.01	11.45
08 91 19 00-0261	EA	18" x 30" Octagonal Fixed Aluminum Gable Louver Vent	245.53	12.17
08 91 19 00-0262	EA	24" x 24" Octagonal Fixed Aluminum Gable Louver Vent	251.98	12.16
08 91 19 00-0263	EA	24" x 30" Octagonal Fixed Aluminum Gable Louver Vent	279.97	12.89
08 91 19 00-0264	EA	24" x 36" Octagonal Fixed Aluminum Gable Louver Vent	313.54	15.46
08 91 19 00-0265	EA	30" x 30" Octagonal Fixed Aluminum Gable Louver Vent	321.93	16.11
08 91 19 00-0266	EA	30" x 36" Octagonal Fixed Aluminum Gable Louver Vent	363.89	19.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 91 19 00-0267	EA	30" x 42" Octagonal Fixed Aluminum Gable Louver Vent	405.86	22.55
08 91 19 00-0268	EA	36" x 36" Octagonal Fixed Aluminum Gable Louver Vent	414.24	23.20
08 91 19 00-0269	EA	36" x 42" Octagonal Fixed Aluminum Gable Louver Vent	464.60	27.06
08 91 19 00-0270	EA	36" x 48" Octagonal Fixed Aluminum Gable Louver Vent	514.96	30.92
08 91 19 00-0271	EA	42" x 42" Octagonal Fixed Aluminum Gable Louver Vent	523.35	31.57
08 91 19 00-0272	EA	42" x 48" Octagonal Fixed Aluminum Gable Louver Vent	582.08	36.07
08 91 19 00-0273	EA	48" x 48" Octagonal Fixed Aluminum Gable Louver Vent	649.23	41.23

08 91 19 00-0274 Round Top Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0275	EA	12" x 12" Round Top Fixed Aluminum Gable Louver Vent	162.39	8.13
08 91 19 00-0276	EA	12" x 18" Round Top Fixed Aluminum Gable Louver Vent	177.40	8.83
08 91 19 00-0277	EA	12" x 24" Round Top Fixed Aluminum Gable Louver Vent	194.24	10.14
08 91 19 00-0278	EA	18" x 18" Round Top Fixed Aluminum Gable Louver Vent	201.19	10.31
08 91 19 00-0279	EA	18" x 24" Round Top Fixed Aluminum Gable Louver Vent	224.01	11.45
08 91 19 00-0280	EA	18" x 30" Round Top Fixed Aluminum Gable Louver Vent	245.53	12.17
08 91 19 00-0281	EA	24" x 24" Round Top Fixed Aluminum Gable Louver Vent	251.98	12.16
08 91 19 00-0282	EA	24" x 30" Round Top Fixed Aluminum Gable Louver Vent	279.97	12.89
08 91 19 00-0283	EA	24" x 36" Round Top Fixed Aluminum Gable Louver Vent	313.54	15.46
08 91 19 00-0284	EA	30" x 30" Round Top Fixed Aluminum Gable Louver Vent	321.93	16.11
08 91 19 00-0285	EA	30" x 36" Round Top Fixed Aluminum Gable Louver Vent	363.89	19.32
08 91 19 00-0286	EA	30" x 42" Round Top Fixed Aluminum Gable Louver Vent	405.86	22.55
08 91 19 00-0287	EA	36" x 36" Round Top Fixed Aluminum Gable Louver Vent	414.24	23.20
08 91 19 00-0288	EA	36" x 42" Round Top Fixed Aluminum Gable Louver Vent	464.60	27.06
08 91 19 00-0289	EA	36" x 48" Round Top Fixed Aluminum Gable Louver Vent	514.96	30.92
08 91 19 00-0290	EA	42" x 42" Round Top Fixed Aluminum Gable Louver Vent	523.35	31.57
08 91 19 00-0291	EA	42" x 48" Round Top Fixed Aluminum Gable Louver Vent	582.08	36.07
08 91 19 00-0292	EA	48" x 48" Round Top Fixed Aluminum Gable Louver Vent	649.23	41.23

08 91 19 00-0293 Triangle Aluminum Gable Louver Vents *(08 91 19 00-0228)*

Note: Includes screen.

08 91 19 00-0294	EA	36" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	336.32	10.14
08 91 19 00-0295	EA	36" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	381.14	12.16
08 91 19 00-0296	EA	48" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	409.13	12.89
08 91 19 00-0297	EA	48" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	468.53	15.46
08 91 19 00-0298	EA	48" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	522.12	16.11
08 91 19 00-0299	EA	60" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	428.47	19.32
08 91 19 00-0300	EA	60" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	502.73	22.55
08 91 19 00-0301	EA	60" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	569.24	23.20
08 91 19 00-0302	EA	60" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	645.43	27.06
08 91 19 00-0303	EA	72" Base x 24" High Triangle Fixed Aluminum Gable Louver Vent	514.96	30.92
08 91 19 00-0304	EA	72" Base x 30" High Triangle Fixed Aluminum Gable Louver Vent	594.39	31.57
08 91 19 00-0305	EA	72" Base x 36" High Triangle Fixed Aluminum Gable Louver Vent	685.41	36.07
08 91 19 00-0306	EA	72" Base x 42" High Triangle Fixed Aluminum Gable Louver Vent	778.39	41.23
08 91 19 00-0307	EA	72" Base x 48" High Triangle Fixed Aluminum Gable Louver Vent	874.34	47.38

08 91 19 00-0308 Vinyl Gable Louver Vents *(08 91 19 00-0227)*

Note: Includes screen.

08 91 19 00-0309	EA	12" x 12" Square Fixed Vinyl Gable Louver Vent	54.25	8.13
08 91 19 00-0310	EA	12" x 18" Rectangular Fixed Vinyl Gable Louver Vent	65.31	8.83
08 91 19 00-0311	EA	18" x 24" Rectangular Fixed Vinyl Gable Louver Vent	88.96	11.45
08 91 19 00-0312	EA	24" x 30" Rectangular Fixed Vinyl Gable Louver Vent	121.15	12.89
08 91 19 00-0313	EA	18" Diameter Round Fixed Vinyl Gable Louver Vent	85.93	10.31
08 91 19 00-0314	EA	22" Diameter Round Fixed Vinyl Gable Louver Vent	99.37	12.16
08 91 19 00-0315	EA	30" Diameter Round Fixed Vinyl Gable Louver Vent	139.85	16.11
08 91 19 00-0316	EA	36" Diameter Round Fixed Vinyl Gable Louver Vent	204.30	23.20
08 91 19 00-0317	EA	18" x 18" Octagonal Fixed Vinyl Gable Louver Vent	85.93	10.31
08 91 19 00-0318	EA	22" x 22" Octagonal Fixed Vinyl Gable Louver Vent	97.23	11.45
08 91 19 00-0319	EA	27" x 27" Octagonal Fixed Vinyl Gable Louver Vent	124.96	12.89
08 91 19 00-0320	EA	32" x 32" Octagonal Fixed Vinyl Gable Louver Vent	177.71	19.32
08 91 19 00-0321	EA	40" x 40" Octagonal Fixed Vinyl Gable Louver Vent	418.63	30.92
08 91 19 00-0322	EA	14" x 22" Round Top Fixed Vinyl Gable Louver Vent	84.23	10.14
08 91 19 00-0323	EA	22" x 32" Round Top Fixed Vinyl Gable Louver Vent	117.07	12.89
08 91 19 00-0324	EA	34" x 22" Half Round Fixed Vinyl Gable Louver Vent	121.83	15.46
08 91 19 00-0325	EA	52" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	275.52	19.32
08 91 19 00-0326	EA	56" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	275.52	19.32
08 91 19 00-0327	EA	56" Base x 26" High Triangle Fixed Vinyl Gable Louver Vent	275.52	19.32
08 91 19 00-0328	EA	62" Base x 23" High Triangle Fixed Vinyl Gable Louver Vent	275.52	19.32
08 91 19 00-0329	EA	62-1/2" Base x 21" High Triangle Fixed Vinyl Gable Louver Vent	275.52	19.32
08 91 19 00-0330	EA	70-1/2" Base x 17" High Triangle Fixed Vinyl Gable Louver Vent	310.35	30.92
08 91 19 00-0331	EA	70-1/2" Base x 20-1/2" High Triangle Fixed Vinyl Gable Louver Vent	310.35	30.92
08 91 19 00-0332	EA	72-1/2" Base x 18" High Triangle Fixed Vinyl Gable Louver Vent	310.35	30.92
08 91 19 00-0333	EA	74" Base x 14-1/2" High Triangle Fixed Vinyl Gable Louver Vent	310.35	30.92

08 95 Vents *(08 90)*

08 95 13 Soffit Vents *(08 95)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
08 95 13 00-0001		**Aluminum Soffit Vents** *(08 95 13)*		
08 95 13 00-0002	LF	2-1/2" Wide Aluminum Soffit Vent	6.02	2.25
08 95 13 00-0003	LF	3" Wide Aluminum Soffit Vent	10.97	4.40
08 95 13 00-0004	EA	4" x 16" Under Eave Vent, Mill Finish	17.48	5.86
08 95 13 00-0005	EA	8" x 16" Under Eave Vent, Mill Finish	18.05	5.86
08 95 13 00-0006		**Vinyl Soffit Vents** *(08 95 13)*		
08 95 13 00-0007	LF	Up To 2" Vinyl Soffit Vent, Perforated, White	5.72	2.49
		For Colors, Add	*0.08*	
08 95 13 00-0008	LF	3" To 4" Vinyl Soffit Vent, Perforated, White	6.02	2.49
		For Colors, Add	*0.11*	
08 95 16		**Wall Vents** *(08 95)*		
08 95 16 00-0001		**Foundation Vents** *(08 95 16)*		
08 95 16 00-0002	SI	Galvanized Steel Foundation Vent	0.41	0.17
08 95 16 00-0003	SI	Aluminum Foundation Vent	0.66	0.17
08 95 16 00-0004	SI	Stainless Steel Foundation Vent	0.76	0.17
08 95 16 00-0005	SI	Plastic Foundation Vent	0.37	0.17

END OF SECTION 08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 Finishes

09 01 Maintenance of Finishes *(09)*

09 01 20 Maintenance of Plaster and Gypsum Board *(09 01)*

09 01 20 91 Plaster Restoration ***(09 01 20)***

09 01 20 91-0001 Cut And Patch Hole In Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes cutting of existing gypsum board, cutting new board to fit opening, taping, gypsum board finishing, and disposal of debris into dumpster. Per location. See CSI section 09 29 00 00-0000 for "Gypsum Board" repairs > 32 SF.

09 01 20 91-0002	SF	Up To 2 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	17.80	
09 01 20 91-0003	SF	>2 To 4 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	14.35	
09 01 20 91-0004	SF	>4 To 8 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	12.87	
09 01 20 91-0005	SF	>8 To 16 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location.	11.33	
09 01 20 91-0006	SF	>16 To 32 SF, Cut And Patch Hole In Gypsum Board To Match Existing Note: Per location. See CSI section 09 29 10 00-0001 for "Gypsum Board" repairs > 32 SF.	10.14	

09 01 20 91-0007 Patch/Finish Gypsum Board To Match Existing *(09 01 20 91)*
Note: Includes taping, gypsum board finishing. Per location. See CSI section 09 01 20 91-0001 for patching walls requiring gypsum board to be cut and installed.

09 01 20 91-0008	EA	Tape, Spackle And Finish Gypsum Board To Patch/Finish Small Diameter Holes Or Screw Head Pops	1.51	
		For ASTM C840 Level 1 Finish, Deduct		*-0.73*
		For ASTM C840 Level 2 Finish, Deduct		*-0.37*
		For ASTM C840 Level 3 Finish, Deduct		*-0.15*
		For ASTM C840 Level 5 High Quality Finish, Add		*1.12*

09 01 20 91-0009 Plaster/Stucco Repair *(09 01 20 91)*
Note: Per location.

09 01 20 91-0010 Clean And Repair Crack In Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0011	LF	Up To 10', Chip, Clean And Repair Crack In Plaster/Stucco	17.41	
09 01 20 91-0012	LF	>10' To 50', Chip, Clean And Repair Crack In Plaster/Stucco	13.96	
09 01 20 91-0013	LF	>50' To 100', Chip, Clean And Repair Crack In Plaster/Stucco	11.38	
09 01 20 91-0014	LF	>100' To 250', Chip, Clean And Repair Crack In Plaster/Stucco	8.79	
09 01 20 91-0015	LF	>250' To 500', Chip, Clean And Repair Crack In Plaster/Stucco	7.07	
09 01 20 91-0016	LF	>500', Chip, Clean And Repair Crack In Plaster/Stucco	5.34	

09 01 20 91-0017 Cut And Patch Hole In Plaster/Stucco To Match Existing *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0018	SF	Up To 10 SF, Cut And Patch Hole In Plaster To Match Existing	16.40	
09 01 20 91-0019	SF	>10 To 50 SF, Cut And Patch Hole In Plaster To Match Existing	14.49	
09 01 20 91-0020	SF	>50 To 100 SF, Cut And Patch Hole In Plaster To Match Existing	13.32	
09 01 20 91-0021	SF	>100 To 250 SF, Cut And Patch Hole In Plaster To Match Existing	12.36	
09 01 20 91-0022	SF	>250 To 500 SF, Cut And Patch Hole In Plaster To Match Existing	11.52	
09 01 20 91-0023	SF	>500 SF, Cut And Patch Hole In Plaster To Match Existing	10.59	

09 01 20 91-0024 Chip, Clean And Repair Plaster/Stucco *(09 01 20 91-0009)*
Note: Includes plaster weld.

09 01 20 91-0025	SF	Up To 10 SF, Chip, Clean And Repair Plaster/Stucco	31.18	
09 01 20 91-0026	SF	>10 To 50 SF, Chip, Clean And Repair Plaster/Stucco	22.56	
09 01 20 91-0027	SF	>50 To 250 SF, Chip, Clean And Repair Plaster/Stucco	16.53	
09 01 20 91-0028	SF	>250 SF, Chip, Clean And Repair Plaster/Stucco	13.08	

09 01 30 Maintenance of Tiling *(09 01)*

09 01 30 91 Tile Restoration ***(09 01 30)***

09 01 30 91-0001	SF	Regrout Floor Tile Including Removal Of Loose Grout	6.28	
09 01 30 91-0002	SF	Regrout Wall Tile Including Removal Of Loose Grout	7.83	
09 01 30 91-0003	SF	Up To 1 SF, Cut And Patch Hole In Wall Tile To Match Existing Note: Per location.	42.54	

09 01 60 Maintenance of Flooring *(09 01)*

09 01 60 91 Flooring Restoration ***(09 01 60)***

09 01 60 91-0001 Grinding, Polishing And Sealing Terrazzo *(09 01 60 91)*

09 01 60 91-0002	CSF	Grinding, Polishing And Sealing Existing Terrazzo	272.89	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 60 91-0003	SF	Removal Of Setting Bed And Clean Area For Terrazzo Repair	4.13	
09 01 60 91-0004	SF	Repair Existing Terrazzo	19.33	
09 01 60 91-0005	LF	Repair Cracks In Existing Terrazzo	4.30	

09 01 60 91-0006 Standard Flooring Maintenance *(09 01 60 91)*

09 01 60 91-0007	CSF	Steam Clean Carpet	40.91	
09 01 60 91-0008	CSF	Wax And Polish Tile And VCT Flooring	44.05	
		For Additional Coat, Add	*36.50*	
		For Stripping Existing Wax From Floor, Add	*41.36*	
09 01 60 91-0009	CSF	Wax And Polish Wood Flooring	25.23	
		For Additional Coat, Add	*21.87*	
		For Stripping Existing Wax From Floor, Add	*41.36*	
09 01 60 91-0010	MSF	Vacuum Floors	23.29	

09 01 60 91-0011 Prepare Existing Concrete Floor Prior To Installation Of Flooring *(09 01 60 91)*

09 01 60 91-0012	SY	Grinding Of Existing Concrete Floor Prior To Installation Of Flooring	8.27	
09 01 60 91-0013	SY	Chemical Prepare Existing Concrete Floor Prior To Installation Of Flooring	7.33	

09 01 60 91-0014 Floor Sealants *(09 01 60 91)*

09 01 60 91-0015	SF	Water-Based Emulsion, Masonry/Tile/Stone/Terrazzo Floor Sealant/Finish, Per Coat Note: For terrazzo, concrete, quarry tile, brick and unglazed ceramic tile.	1.10	
09 01 60 91-0016	SF	Water-Based, Clear Acrylic, Concrete Floor Sealant/Finish, Per Coat Note: For interior/exterior concrete surfaces.	1.21	
09 01 60 91-0017	SF	Fluorochemical Acrylate Copolymer Masonry/Tile/Stone/Terrazzo Floor Sealant	1.19	
09 01 60 91-0018	GAL	Masonry/Tile/Stone/Terrazzo Floor Sealant (Extra To Be Provided To Owner)	31.86	

09 01 80 Maintenance of Acoustic Treatment *(09 01)*

09 01 80 00-0001 Removal Of Acoustical Ceiling Treatment *(09 01 80)*

09 01 80 00-0002	SF	Removal Of Acoustical And Popcorn Ceilings Treatment	2.05	

09 01 90 Maintenance of Painting and Coating *(09 01)*

09 01 90 52 Maintenance Repainting *(09 01 90)*

09 01 90 52-0001 Cleaning And Preparation Of Painted And Unpainted Surfaces *(09 01 90 52)*

Note: In excess of surface preparation required, Water blast and pressure washing includes mild detergent and rinsing of surface until detergent free. Sand blast and water blast includes canvas/plastic for protection of existing surfaces as well as for containment.

09 01 90 52-0002 Concrete And Masonry Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0003	SF	Trisodium Phosphate (TSP), Clean Concrete Or Masonry Surfaces, Surface Preparation	0.37	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0004	SF	Calcimine Removal/Washing, Concrete And Masonry Surfaces, Surface Preparation	0.39	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0005	SF	Chemical Clean, Brush And Wash, Concrete And Masonry Surfaces, Surface Preparation	0.59	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0006	SF	Hand Scrape, Concrete And Masonry Surfaces, Surface Preparation	0.52	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0007	SF	Steam Clean, Concrete And Masonry Surfaces, Surface Preparation	0.73	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.16*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0008	SF	Up To 5,000 PSI Pressure Wash, Concrete And Masonry Surfaces, Surface Preparation	0.47	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.10*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0009	SF	10,000 To 12,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	1.33	
		For Up To 100, Add	*2.40*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.30*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.13*	
		For >15,000 To 30,000, Deduct	*-0.20*	
		For >30,000, Deduct	*-0.26*	
09 01 90 52-0010	SF	30,000 To 40,000 PSI Water Blast, Concrete And Masonry Surfaces, Surface Preparation	2.23	
		For Up To 100, Add	*4.20*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.53*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 15,000, Deduct	*-0.22*	
		For >15,000 To 30,000, Deduct	*-0.33*	
		For >30,000, Deduct	*-0.44*	
09 01 90 52-0011	SF	Sand Blasting, Concrete And Masonry Surfaces, Surface Preparation	2.94	
		For Heavy Condition Where Multiple Pass Is Required, Add	*1.47*	
		For Up To 100, Add	*5.28*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.66*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 15,000, Deduct	*-0.28*	
		For >15,000 To 30,000, Deduct	*-0.43*	
		For >30,000, Deduct	*-0.57*	

09 01 90 52-0012 Drywall Surfaces, Surface Preparation *(09 01 90 52-0001)*

See CSI section 09 01 20 91-0007 for Patch holes other than nail/screw holes and greater than 1/2" diameter.

09 01 90 52-0013	SF	Hand Wash Drywall Surfaces With Mild Detergent Or Degreaser (No Sanding, Repairing Or Scraping), Surface Preparation	0.29	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 01 90 52-0014	SF	Hand Wash, Minor Repair And Light Sanding Drywall Surfaces, Surface Preparation	0.49	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.12*	
09 01 90 52-0015	SF	Scrape, Repair And Sand Severely Damaged Drywall Surfaces, Surface Preparation	0.91	
		For Up To 100, Add	*1.72*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.22*	

09 01 90 52-0016 Metal Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0017	SF	Trisodium Phosphate (TSP), Clean Metal Surfaces, Surface Preparation	0.36	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0018	SF	Chemical Clean, Brush And Wash, Metal Surfaces, Surface Preparation	0.59	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.11*	
09 01 90 52-0019	SF	Hand Scraping And Sanding, Metal Surfaces, Surface Preparation	0.52	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0020	SF	Up To 5,000 PSI Pressure Wash, Metal Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0021	SF	Power Tool Cleaning, Metal Surfaces, Surface Preparation	1.16	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.17*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 30,000, Deduct	*-0.17*	
		For >30,000, Deduct	*-0.23*	
09 01 90 52-0022	SF	Steam Cleaning, Metal Surfaces, Surface Preparation	0.45	
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0023	SF	Loose Mill Scale With Fine Powder, Commercial Blast, Metal Surfaces, Surface Preparation	0.96	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.19*	
09 01 90 52-0024	SF	Tight Mill Scale With Fine Powder Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.32	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 30,000, Deduct	*-0.19*	
		For >30,000, Deduct	*-0.25*	
09 01 90 52-0025	SF	Exterior Coating Blistered Pitted, Rust, Commercial Blast, Metal Surfaces, Surface Preparation	1.94	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.25*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 15,000, Deduct	*-0.18*	
		For >15,000 To 30,000, Deduct	*-0.28*	
		For >30,000, Deduct	*-0.38*	
09 01 90 52-0026	SF	Badly Pitted With Rust Nodules, Commercial Blast, Metal Surfaces, Surface Preparation	3.24	
		For Up To 100, Add	*2.10*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.42*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 15,000, Deduct	*-0.31*	
		For >15,000 To 30,000, Deduct	*-0.47*	
		For >30,000, Deduct	*-0.63*	
09 01 90 52-0027	SF	Loose Mill Scale With Fine Powder Rust, Near White Blast, Metal Surfaces, Surface Preparation	2.45	
		For Up To 100, Add	*1.57*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.31*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 15,000, Deduct	*-0.23*	
		For >15,000 To 30,000, Deduct	*-0.36*	
		For >30,000, Deduct	*-0.47*	
09 01 90 52-0028	SF	Tight Mill Scale Little Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.04	
		For Up To 100, Add	*1.94*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 15,000, Deduct	*-0.29*	
		For >15,000 To 30,000, Deduct	*-0.44*	
		For >30,000, Deduct	*-0.59*	
09 01 90 52-0029	SF	Exterior Coat Blistered Pitted Rust, Near White Blast, Metal Surfaces, Surface Preparation	3.95	
		For Up To 100, Add	*2.52*	
		For >100 To 250, Add	*1.18*	
		For >250 To 500, Add	*0.50*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 15,000, Deduct	*-0.37*	
		For >15,000 To 30,000, Deduct	*-0.57*	
		For >30,000, Deduct	*-0.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0030	SF	Badly Pitted Rust Nodules, Near White Blast, Metal Surfaces, Surface Preparation	4.93	
		For Up To 100, Add	*3.14*	
		For >100 To 250, Add	*1.47*	
		For >250 To 500, Add	*0.63*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 15,000, Deduct	*-0.46*	
		For >15,000 To 30,000, Deduct	*-0.72*	
		For >30,000, Deduct	*-0.95*	

09 01 90 52-0031 Tile Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0032	SF	Trisodium Phosphate (TSP), Clean Tile Surfaces, Surface Preparation	0.33	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0033	CSF	Chemical Alkaline Cleaner, Brush And Wash Tile Surfaces, Surface Preparation	32.40	
		For Up To 100, Add	*24.13*	
		For >100 To 250, Add	*11.26*	
		For >250 To 500, Add	*4.83*	
		For >5,000 To 10,000, Deduct	*-1.62*	
		For >10,000 To 15,000, Deduct	*-3.23*	
		For >15,000 To 30,000, Deduct	*-4.85*	
		For >30,000, Deduct	*-6.47*	
09 01 90 52-0034	SF	Up To 5,000 PSI, Pressure Wash Tile Surfaces, Surface Preparation	0.32	
		For Up To 100, Add	*0.21*	
		For >100 To 250, Add	*0.10*	
		For >250 To 500, Add	*0.04*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.06*	

09 01 90 52-0035 Wood Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0036	SF	Prepare New Wood Floor For Finish, Multi Grit Sanding/Screening	1.21	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.17*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 15,000, Deduct	*-0.12*	
		For >15,000 To 30,000, Deduct	*-0.18*	
		For >30,000, Deduct	*-0.24*	
09 01 90 52-0037	SF	Trisodium Phosphate (TSP), Clean Wood Surfaces, Surface Preparation	0.34	
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0038	SF	Chemical Clean, Brush And Wash Wood Surfaces, Surface Preparation	0.49	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	
09 01 90 52-0039	SF	Hand Scrape Wood Surfaces, Surface Preparation	0.79	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.08*	
		For >15,000 To 30,000, Deduct	*-0.12*	
		For >30,000, Deduct	*-0.16*	
09 01 90 52-0040	SF	Steam Clean Wood Surfaces, Surface Preparation	0.71	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.14*	
09 01 90 52-0041	SF	Up To 5,000 PSI, Pressure Wash Wood Surfaces, Surface Preparation	0.49	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.07*	
		For >30,000, Deduct	*-0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0042	SF	Sanding Wood Paneling, Boards, Doors Or Other Wood Surfaces, Surface Preparation	0.67	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	
09 01 90 52-0043	SF	Sanding Wood Trim Surfaces, Surface Preparation	0.91	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 15,000, Deduct	*-0.09*	
		For >15,000 To 30,000, Deduct	*-0.14*	
		For >30,000, Deduct	*-0.18*	
09 01 90 52-0044	SF	Prime Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.60	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.06*	
		For >15,000 To 30,000, Deduct	*-0.09*	
		For >30,000, Deduct	*-0.12*	
09 01 90 52-0045	SF	Paint Wood Surfaces With Linseed Oil, 1 Coat, Surface Preparation	0.69	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.10*	
		For >30,000, Deduct	*-0.13*	

09 01 90 52-0046 Vinyl Siding Surfaces, Surface Preparation *(09 01 90 52-0001)*

09 01 90 52-0047	SF	Trisodium Phosphate (TSP), Clean, Vinyl Siding Surfaces, Surface Preparation	0.33	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.03*	
		For >15,000 To 30,000, Deduct	*-0.05*	
		For >30,000, Deduct	*-0.07*	
09 01 90 52-0048	SF	Hand Wash,Vinyl Siding Surfaces, Surface Preparation	0.51	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	
09 01 90 52-0049	SF	Up To 5,000 PSI Pressure Wash, Vinyl Siding Surfaces, Surface Preparation	0.40	
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.08*	
09 01 90 52-0050	SF	Steam Clean, Vinyl Siding Surfaces, Surface Preparation	0.74	
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >5,000 To 10,000, Deduct	*-0.03*	
		For >10,000 To 15,000, Deduct	*-0.07*	
		For >15,000 To 30,000, Deduct	*-0.11*	
		For >30,000, Deduct	*-0.14*	

09 01 90 52-0051 Plaster/Stucco Surfaces, Surface Preparation *(09 01 90 52-0001)*

Note: Based on total project quantity.

09 01 90 52-0052	SF	Trisodium Phosphate (TSP), Clean Plaster/Stucco Surfaces, Surface Preparation	0.37	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.05*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.04*	
		For >15,000 To 30,000, Deduct	*-0.06*	
		For >30,000, Deduct	*-0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 01 90 52-0053	SF	Up To 5,000 PSI Pressure Wash Plaster/Stucco Surfaces, Surface Preparation	0.53	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 15,000, Deduct	*-0.05*	
		For >15,000 To 30,000, Deduct	*-0.08*	
		For >30,000, Deduct	*-0.10*	

09 01 90 52-0054 Prep Work *(09 01 90 52-0001)*

09 01 90 52-0055	SF	Citrus Strip, Single Applications	0.87	

09 01 90 52-0056 Corrosive Inhibitor Sealant For Concrete *(09 01 90 52-0001)*

09 01 90 52-0057	SF	Corrosive Inhibitor Sealant For Concrete	0.58	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	

09 01 90 61 Repainting *(09 01 90)*

09 01 90 61-0001 Touchup and "Spot" Painting Of Surfaces *(09 01 90 61)*

Note: For use on individual areas less than 10 SF.

09 01 90 61-0002	SF	"Spot" Paint Surfaces, Per Coat	1.13	

09 01 90 91 Paint Restoration *(09 01 90)*

09 01 90 91-0001 Paint Removal, Strip To Bare Wood *(09 01 90 91)*

09 01 90 91-0002	SF	Flat Surfaces, Paint Removal, Strip To Bare Wood	5.91	
09 01 90 91-0003	SF	Cornices And Decorative Trim To 12" Wide, Paint Removal, Strip To Bare Wood	6.29	

09 05 Common Work Results For Finishes *(09)*

09 05 61 Common Work Results for Flooring Preparation *(09 05)*

09 05 61 13 Moisture Vapor Emission Control *(09 05 61)*

09 05 61 13-0001 Moisture Vapor Reduction (Koester VAP) *(09 05 61 13)*

09 05 61 13-0002	EA	Up To 200 SF, Water Vapor Emission Control System (Koester VAP 1-2000) Note: Clear	2,168.73	
09 05 61 13-0003	SF	>200 To 500 SF, Water Vapor Emission Control System (Koester VAP 1-2001) Note: Clear	11.48	
09 05 61 13-0004	SF	>500 To 1,000 SF, Water Vapor Emission Control System (Koester VAP 1-2002) Note: Clear	7.65	
09 05 61 13-0005	SF	>1,000 To 3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2003) Note: Clear	6.38	
09 05 61 13-0006	SF	>3,000 SF, Water Vapor Emission Control System (Koester VAP 1-2004) Note: Clear	5.10	

09 05 61 13-0007 Moisture Vapor Transmission Control (Dependable Cutdown® II) *(09 05 61 13)*

09 05 61 13-0008	SF	8# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	3.26	
09 05 61 13-0009	SF	15# Two Coats, Moisture Vapor Transmission Control (Dependable Cutdown® II)	4.42	

09 05 71 Acoustic Underlayment *(09 05)*

09 05 71 00-0001 Tile And Stone Acoustical Underlayment *(09 05 71)*

09 05 71 00-0002	SF	5 Mil Tile And Stone Acoustical Underlayment (EasyMat)	3.10	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*0.32*	

09 05 71 00-0003 Resilient Floor Acoustical Underlayment *(09 05 71)*

09 05 71 00-0004	SF	Vinyl, Linoleum, LVT And Vinyl Strip Flooring Acoustical Underlayment (Impacta, Soundseal VC300)	2.22	
09 05 71 00-0005	SF	2 MM Thick Resilient Plank Floor Acoustical Underlayment (Floormuffler)	1.29	
09 05 71 00-0006	SF	0.055" Thick High Density Polyurethane Foam Floor Acoustical Underlayment (Silencer LVT)	1.60	

09 20 Plaster and Gypsum Board *(09)*

09 22 Supports for Plaster and Gypsum Board *(09 20)*

Note: Per SF of wall area measures one side. Do not deduct for opens of less than 25 SF when calculating total wall square footage.

09 22 13 Metal Furring *(09 22)*

09 22 13 13 Metal Channel Furring *(09 22 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 13-0001		**Hat Furring Channel** *(09 22 13 13)*		
		Note: Includes clips where required.		
09 22 13 13-0002		**Installed On Walls, Hat Furring Channel** *(09 22 13 13-0001)*		
09 22 13 13-0003	SF	7/8", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	3.41	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.40*	
		For 12" On Center, Add	*0.54*	
		For 22 Gauge, Add	*0.31*	
		For 20 Gauge, Add	*0.82*	
09 22 13 13-0004	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Hat Furring Channel	3.65	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.45*	
		For 12" On Center, Add	*0.59*	
		For 22 Gauge, Add	*0.43*	
		For 20 Gauge, Add	*0.98*	
09 22 13 13-0005		**Installed On Columns And Beams, Hat Furring Channel** *(09 22 13 13-0001)*		
09 22 13 13-0006	SF	7/8", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	4.91	2.15
		For Columns And Beams >10' High, Add	*0.86*	
		For 24" On Center, Deduct	*-0.55*	
		For 12" On Center, Add	*0.77*	
		For 22 Gauge, Add	*0.31*	
		For 20 Gauge, Add	*1.05*	
09 22 13 13-0007	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Columns And Beams, Hat Furring Channel	5.15	2.15
		For Columns And Beams >10' High, Add	*0.86*	
		For 24" On Center, Deduct	*-0.60*	
		For 12" On Center, Add	*0.82*	
		For 22 Gauge, Add	*0.43*	
		For 20 Gauge, Add	*1.21*	
09 22 13 13-0008		**Installed On Ceilings, Hat Furring Channel** *(09 22 13 13-0001)*		
09 22 13 13-0009	SF	7/8", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	4.44	1.72
		For Ceilings >10' High, Add	*0.52*	
		For 24" On Center, Deduct	*-0.54*	
		For 12" On Center, Add	*0.72*	
		For 22 Gauge, Add	*0.50*	
		For 20 Gauge, Add	*1.18*	
09 22 13 13-0010	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Ceilings, Hat Furring Channel	4.68	1.72
		For Ceilings >10' High, Add	*0.52*	
		For 24" On Center, Deduct	*-0.59*	
		For 12" On Center, Add	*0.76*	
		For 22 Gauge, Add	*0.62*	
		For 20 Gauge, Add	*1.33*	
09 22 13 13-0011		**Z Furring Channel** *(09 22 13 13)*		
09 22 13 13-0012		**Installed On Walls, Z Furring Channel** *(09 22 13 13-0011)*		
09 22 13 13-0013	SF	1", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.00	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.32*	
		For 12" On Center, Add	*0.46*	
		For 22 Gauge, Add	*0.10*	
		For 20 Gauge, Add	*0.55*	
09 22 13 13-0014	SF	1-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.04	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.33*	
		For 12" On Center, Add	*0.47*	
		For 22 Gauge, Add	*0.12*	
		For 20 Gauge, Add	*0.58*	
09 22 13 13-0015	SF	2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.08	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.34*	
		For 12" On Center, Add	*0.48*	
		For 22 Gauge, Add	*0.14*	
		For 20 Gauge, Add	*0.60*	
09 22 13 13-0016	SF	2-1/2", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.11	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.34*	
		For 12" On Center, Add	*0.48*	
		For 22 Gauge, Add	*0.16*	
		For 20 Gauge, Add	*0.62*	
09 22 13 13-0017	SF	3", 25 Gauge, 16" On Center, Installed On Walls, Z Furring Channel	3.13	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.35*	
		For 12" On Center, Add	*0.49*	
		For 22 Gauge, Add	*0.17*	
		For 20 Gauge, Add	*0.64*	

09 22 13 23 Resilient Channel Furring *(09 22 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 13 23-0001		Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23)* Note: Includes clips where required.		
09 22 13 23-0002		Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*		
09 22 13 23-0003	SF	25 Gauge, 16" On Center, Installed On Walls, Single-Leg Resilient Channel, RC1 Furring Channel	3.23	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.37*	
		For 12" On Center, Add	*0.51*	
		For 20 Gauge, Add	*0.70*	
09 22 13 23-0004		Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel *(09 22 13 23-0001)*		
09 22 13 23-0005	SF	25 Gauge, 16" On Center, Installed On Ceilings, Single-Leg Resilient Channel, RC1 Furring Channel	3.87	1.72
		For Ceilings >10' High, Add	*0.52*	
		For 24" On Center, Deduct	*-0.43*	
		For 12" On Center, Add	*0.60*	
		For 20 Gauge, Add	*0.80*	
09 22 13 23-0006		Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23)* Note: Includes clips where required.		
09 22 13 23-0007		Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*		
09 22 13 23-0008	SF	25 Gauge, 16" On Center, Installed On Walls, Double-Leg Resilient Channel, RC2 Furring Channel	3.39	1.40
		For Walls >10' High, Add	*0.42*	
		For 24" On Center, Deduct	*-0.40*	
		For 12" On Center, Add	*0.54*	
		For 20 Gauge, Add	*0.81*	
09 22 13 23-0009		Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel *(09 22 13 23-0006)*		
09 22 13 23-0010	SF	25 Gauge, 16" On Center, Installed On Ceilings, Double-Leg Resilient Channel, RC2 Furring Channel	4.03	1.72
		For Ceilings >10' High, Add	*0.52*	
		For 24" On Center, Deduct	*-0.46*	
		For 12" On Center, Add	*0.63*	
		For 20 Gauge, Add	*0.91*	
09 22 16		**Non-Structural Metal Framing** *(09 22)* Note: Includes studs, bridging, fasteners, and metal stiffener at half height. Do not deduct for openings of less than 25 SF.		
09 22 16 13		**Non-Structural Metal Stud Framing** *(09 22 16)*		
09 22 16 13-0001		Non Load Bearing Wall Framing, 25 Gauge *(09 22 16 13)*		
09 22 16 13-0002	SF	1-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.12	0.58
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.42*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.37*	
		For Soffit, Columns Or Beams >10' High, Add	*1.81*	
		For Horizontal Installation Up To 10' High, Add	*0.43*	
		For Horizontal Installation >10' High, Add	*0.57*	
		For Curved Wall, Add	*0.44*	
		For 12" On Center, Add	*0.35*	
		For 24" On Center, Deduct	*-0.35*	
		For Up To 100, Add	*0.71*	
		For >100 To 300, Add	*0.36*	
		For >1,000, Deduct	*-0.17*	
09 22 16 13-0003	SF	2-1/2" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.25	0.61
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.45*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.44*	
		For Soffit, Columns Or Beams >10' High, Add	*1.90*	
		For Horizontal Installation Up To 10' High, Add	*0.45*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Curved Wall, Add	*0.46*	
		For 12" On Center, Add	*0.37*	
		For 24" On Center, Deduct	*-0.37*	
		For Up To 100, Add	*0.75*	
		For >100 To 300, Add	*0.38*	
		For >1,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0004	SF	3-5/8" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.46	0.63
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.49*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.53*	
		For Soffit, Columns Or Beams >10' High, Add	*2.01*	
		For Horizontal Installation Up To 10' High, Add	*0.49*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Curved Wall, Add	*0.48*	
		For 12" On Center, Add	*0.41*	
		For 24" On Center, Deduct	*-0.41*	
		For Up To 100, Add	*0.81*	
		For >100 To 300, Add	*0.41*	
		For >1,000, Deduct	*-0.21*	
09 22 16 13-0005	SF	4" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.63	0.67
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.53*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.61*	
		For Soffit, Columns Or Beams >10' High, Add	*2.11*	
		For Horizontal Installation Up To 10' High, Add	*0.52*	
		For Horizontal Installation >10' High, Add	*0.68*	
		For Curved Wall, Add	*0.50*	
		For 12" On Center, Add	*0.44*	
		For 24" On Center, Deduct	*-0.44*	
		For Up To 100, Add	*0.86*	
		For >100 To 300, Add	*0.43*	
		For >1,000, Deduct	*-0.23*	
09 22 16 13-0006	SF	6" Width, 16" On Center, 25 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.92	0.70
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.58*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.70*	
		For Soffit, Columns Or Beams >10' High, Add	*2.23*	
		For Horizontal Installation Up To 10' High, Add	*0.56*	
		For Horizontal Installation >10' High, Add	*0.73*	
		For Curved Wall, Add	*0.53*	
		For 12" On Center, Add	*0.50*	
		For 24" On Center, Deduct	*-0.50*	
		For Up To 100, Add	*0.94*	
		For >100 To 300, Add	*0.47*	
		For >1,000, Deduct	*-0.26*	

09 22 16 13-0007 Non Load Bearing Wall Framing, 20 Gauge *(09 22 16 13)*

09 22 16 13-0008	SF	1-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.38	0.59
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.48*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.43*	
		For Soffit, Columns Or Beams >10' High, Add	*1.88*	
		For Horizontal Installation Up To 10' High, Add	*0.46*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Curved Wall, Add	*0.45*	
		For 12" On Center, Add	*0.40*	
		For 24" On Center, Deduct	*-0.40*	
		For Up To 100, Add	*0.77*	
		For >100 To 300, Add	*0.39*	
		For >1,000, Deduct	*-0.21*	
09 22 16 13-0009	SF	2-1/2" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.61	0.62
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.52*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.51*	
		For Soffit, Columns Or Beams >10' High, Add	*1.98*	
		For Horizontal Installation Up To 10' High, Add	*0.50*	
		For Horizontal Installation >10' High, Add	*0.65*	
		For Curved Wall, Add	*0.47*	
		For 12" On Center, Add	*0.44*	
		For 24" On Center, Deduct	*-0.44*	
		For Up To 100, Add	*0.83*	
		For >100 To 300, Add	*0.42*	
		For >1,000, Deduct	*-0.24*	
09 22 16 13-0010	SF	3-5/8" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	2.88	0.65
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.58*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.60*	
		For Soffit, Columns Or Beams >10' High, Add	*2.09*	
		For Horizontal Installation Up To 10' High, Add	*0.53*	
		For Horizontal Installation >10' High, Add	*0.70*	
		For Curved Wall, Add	*0.49*	
		For 12" On Center, Add	*0.49*	
		For 24" On Center, Deduct	*-0.49*	
		For Up To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	
		For >1,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0011	SF	4" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural Structural, Galvanized Steel Framing With Tracks And Runners	3.06	0.68
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.61*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.68*	
		For Soffit, Columns Or Beams >10' High, Add	*2.20*	
		For Horizontal Installation Up To 10' High, Add	*0.56*	
		For Horizontal Installation >10' High, Add	*0.74*	
		For Curved Wall, Add	*0.52*	
		For 12" On Center, Add	*0.53*	
		For 24" On Center, Deduct	*-0.53*	
		For Up To 100, Add	*0.96*	
		For >100 To 300, Add	*0.48*	
		For >1,000, Deduct	*-0.29*	
09 22 16 13-0012	SF	6" Width, 16" On Center, 20 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.20	0.72
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.84*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.86*	
		For Soffit, Columns Or Beams >10' High, Add	*2.40*	
		For Horizontal Installation Up To 10' High, Add	*0.69*	
		For Horizontal Installation >10' High, Add	*0.87*	
		For Curved Wall, Add	*0.54*	
		For 12" On Center, Add	*0.75*	
		For 24" On Center, Deduct	*-0.75*	
		For Up To 100, Add	*1.20*	
		For >100 To 300, Add	*0.60*	
		For >1,000, Deduct	*-0.45*	

09 22 16 13-0013 Non Load Bearing Wall Framing, 18 Gauge *(09 22 16 13)*

09 22 16 13-0014	SF	2-1/2" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.55	0.63
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.71*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.64*	
		For Soffit, Columns Or Beams >10' High, Add	*2.12*	
		For Horizontal Installation Up To 10' High, Add	*0.60*	
		For Horizontal Installation >10' High, Add	*0.76*	
		For Curved Wall, Add	*0.48*	
		For 12" On Center, Add	*0.63*	
		For 24" On Center, Deduct	*-0.63*	
		For Up To 100, Add	*1.03*	
		For >100 To 300, Add	*0.52*	
		For >1,000, Deduct	*-0.37*	
09 22 16 13-0015	SF	3-5/8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.92	0.67
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.78*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.74*	
		For Soffit, Columns Or Beams >10' High, Add	*2.24*	
		For Horizontal Installation Up To 10' High, Add	*0.64*	
		For Horizontal Installation >10' High, Add	*0.81*	
		For Curved Wall, Add	*0.50*	
		For 12" On Center, Add	*0.70*	
		For 24" On Center, Deduct	*-0.70*	
		For Up To 100, Add	*1.12*	
		For >100 To 300, Add	*0.56*	
		For >1,000, Deduct	*-0.42*	
09 22 16 13-0016	SF	4" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.20	0.70
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.84*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.83*	
		For Soffit, Columns Or Beams >10' High, Add	*2.36*	
		For Horizontal Installation Up To 10' High, Add	*0.68*	
		For Horizontal Installation >10' High, Add	*0.86*	
		For Curved Wall, Add	*0.53*	
		For 12" On Center, Add	*0.75*	
		For 24" On Center, Deduct	*-0.75*	
		For Up To 100, Add	*1.19*	
		For >100 To 300, Add	*0.60*	
		For >1,000, Deduct	*-0.45*	
09 22 16 13-0017	SF	6" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.45	0.73
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.09*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.03*	
		For Soffit, Columns Or Beams >10' High, Add	*2.59*	
		For Horizontal Installation Up To 10' High, Add	*0.82*	
		For Horizontal Installation >10' High, Add	*1.01*	
		For Curved Wall, Add	*0.56*	
		For 12" On Center, Add	*1.00*	
		For 24" On Center, Deduct	*-1.00*	
		For Up To 100, Add	*1.46*	
		For >100 To 300, Add	*0.73*	
		For >1,000, Deduct	*-0.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0018	SF	8" Width, 16" On Center, 18 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.91	0.79
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.18*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.14*	
		For Soffit, Columns Or Beams >10' High, Add	*2.73*	
		For Horizontal Installation Up To 10' High, Add	*0.88*	
		For Horizontal Installation >10' High, Add	*1.08*	
		For Curved Wall, Add	*0.58*	
		For 12" On Center, Add	*1.09*	
		For 24" On Center, Deduct	*-1.09*	
		For Up To 100, Add	*1.57*	
		For >100 To 300, Add	*0.79*	
		For >1,000, Deduct	*-0.69*	

09 22 16 13-0019 Non Load Bearing Wall Framing, 16 Gauge *(09 22 16 13)*

09 22 16 13-0020	SF	2-1/2" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	3.77	0.65
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.75*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.69*	
		For Soffit, Columns Or Beams >10' High, Add	*2.18*	
		For Horizontal Installation Up To 10' High, Add	*0.62*	
		For Horizontal Installation >10' High, Add	*0.79*	
		For Curved Wall, Add	*0.49*	
		For 12" On Center, Add	*0.67*	
		For 24" On Center, Deduct	*-0.67*	
		For Up To 100, Add	*1.08*	
		For >100 To 300, Add	*0.54*	
		For >1,000, Deduct	*-0.40*	
09 22 16 13-0021	SF	3-5/8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.41	0.68
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.88*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.82*	
		For Soffit, Columns Or Beams >10' High, Add	*2.33*	
		For Horizontal Installation Up To 10' High, Add	*0.70*	
		For Horizontal Installation >10' High, Add	*0.87*	
		For Curved Wall, Add	*0.52*	
		For 12" On Center, Add	*0.80*	
		For 24" On Center, Deduct	*-0.80*	
		For Up To 100, Add	*1.23*	
		For >100 To 300, Add	*0.61*	
		For >1,000, Deduct	*-0.49*	
09 22 16 13-0022	SF	4" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	4.66	0.72
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*0.93*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*1.91*	
		For Soffit, Columns Or Beams >10' High, Add	*2.45*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*0.92*	
		For Curved Wall, Add	*0.54*	
		For 12" On Center, Add	*0.84*	
		For 24" On Center, Deduct	*-0.84*	
		For Up To 100, Add	*1.29*	
		For >100 To 300, Add	*0.65*	
		For >1,000, Deduct	*-0.52*	
09 22 16 13-0023	SF	6" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	5.86	0.76
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.17*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.11*	
		For Soffit, Columns Or Beams >10' High, Add	*2.68*	
		For Horizontal Installation Up To 10' High, Add	*0.87*	
		For Horizontal Installation >10' High, Add	*1.06*	
		For Curved Wall, Add	*0.57*	
		For 12" On Center, Add	*1.08*	
		For 24" On Center, Deduct	*-1.08*	
		For Up To 100, Add	*1.55*	
		For >100 To 300, Add	*0.78*	
		For >1,000, Deduct	*-0.69*	
09 22 16 13-0024	SF	8" Width, 16" On Center, 16 Gauge, Non Load Bearing, Non Structural, Galvanized Steel Stud Framing With Tracks And Runners	6.45	0.80
		For Powder-Actuated Fasteners Every 2', Add	*0.04*	
		For Walls >10' High, Add	*1.29*	
		For Soffit, Columns Or Beams Up To 10' High, Add	*2.24*	
		For Soffit, Columns Or Beams >10' High, Add	*2.83*	
		For Horizontal Installation Up To 10' High, Add	*0.94*	
		For Horizontal Installation >10' High, Add	*1.14*	
		For Curved Wall, Add	*0.60*	
		For 12" On Center, Add	*1.19*	
		For 24" On Center, Deduct	*-1.19*	
		For Up To 100, Add	*1.69*	
		For >100 To 300, Add	*0.84*	
		For >1,000, Deduct	*-0.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 16 13-0025		Galvanized Steel Backing Plates *(09 22 16 13)*		
		Note: Used to attach fixtures, cabinets, shelves or handrails to metal stud walls.		
09 22 16 13-0026	LF	3" Wide, 25 Gauge Galvanized Steel Backing Plate	1.09	
09 22 16 13-0027	LF	4" Wide, 25 Gauge Galvanized Steel Backing Plate	1.33	
09 22 16 13-0028	LF	6" Wide, 25 Gauge Galvanized Steel Backing Plate	1.68	
09 22 16 13-0029	LF	8" Wide, 25 Gauge Galvanized Steel Backing Plate	2.05	
09 22 16 13-0030	LF	10" Wide, 25 Gauge Galvanized Steel Backing Plate	2.41	
09 22 16 13-0031	LF	12" Wide, 25 Gauge Galvanized Steel Backing Plate	2.86	
09 22 16 13-0032	LF	3" Wide, 20 Gauge Galvanized Steel Backing Plate	1.37	
09 22 16 13-0033	LF	4" Wide, 20 Gauge Galvanized Steel Backing Plate	1.70	
09 22 16 13-0034	LF	6" Wide, 20 Gauge Galvanized Steel Backing Plate	2.23	
09 22 16 13-0035	LF	8" Wide, 20 Gauge Galvanized Steel Backing Plate	2.77	
09 22 16 13-0036	LF	10" Wide, 20 Gauge Galvanized Steel Backing Plate	3.33	
09 22 16 13-0037	LF	12" Wide, 20 Gauge Galvanized Steel Backing Plate	3.95	
09 22 16 13-0038	LF	3" Wide, 16 Gauge Galvanized Steel Backing Plate	1.85	
09 22 16 13-0039	LF	4" Wide, 16 Gauge Galvanized Steel Backing Plate	2.28	
09 22 16 13-0040	LF	6" Wide, 16 Gauge Galvanized Steel Backing Plate	3.07	
09 22 16 13-0041	LF	8" Wide, 16 Gauge Galvanized Steel Backing Plate	3.86	
09 22 16 13-0042	LF	10" Wide, 16 Gauge Galvanized Steel Backing Plate	4.70	
09 22 16 13-0043	LF	12" Wide, 16 Gauge Galvanized Steel Backing Plate	5.53	
09 22 16 13-0044	LF	3" Wide, 14 Gauge Galvanized Steel Backing Plate	2.16	
09 22 16 13-0045	LF	4" Wide, 14 Gauge Galvanized Steel Backing Plate	2.70	
09 22 16 13-0046	LF	6" Wide, 14 Gauge Galvanized Steel Backing Plate	3.69	
09 22 16 13-0047	LF	8" Wide, 14 Gauge Galvanized Steel Backing Plate	4.68	
09 22 16 13-0048	LF	10" Wide, 14 Gauge Galvanized Steel Backing Plate	5.73	
09 22 16 13-0049	LF	12" Wide, 14 Gauge Galvanized Steel Backing Plate	6.77	

09 22 36 Lath *(09 22)*

09 22 36 13 Gypsum Lath *(09 22 36)*

09 22 36 13-0001		Plaster Base Gypsum Panels *(09 22 36 13)*		
09 22 36 13-0002	SF	3/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.13	0.38
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0003	SF	1/2" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.54	0.44
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0004	SF	5/8" Thick, Installed On Studs Or Furred Walls, Plaster Base Gypsum Panel	1.96	0.51
		For Walls >10' High, Add	*0.13*	
		For Up To 100, Add	*0.52*	
		For >100 To 500, Add	*0.26*	
		For >5,000, Deduct	*-0.10*	
09 22 36 13-0005	SF	3/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.44	0.54
		For Ceilings >10' High, Add	*0.16*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0006	SF	1/2" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	1.89	0.62
		For Ceilings >10' High, Add	*0.19*	
		For Up To 100, Add	*0.63*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0007	SF	5/8" Thick, Installed On Ceiling, Plaster Base Gypsum Panel	2.36	0.72
		For Ceilings >10' High, Add	*0.21*	
		For Up To 100, Add	*0.72*	
		For >100 To 500, Add	*0.36*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0008	SF	3/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	1.74	0.69
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0009	SF	1/2" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.25	0.81
		For Columns And Beams >10' High, Add	*0.24*	
		For Up To 100, Add	*0.81*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	
09 22 36 13-0010	SF	5/8" Thick, Installed On Columns And Beams, Plaster Base Gypsum Panel	2.77	0.93
		For Columns And Beams >10' High, Add	*0.28*	
		For Up To 100, Add	*0.92*	
		For >100 To 500, Add	*0.46*	
		For >5,000, Deduct	*-0.18*	
09 22 36 13-0011		Firestop Plaster Base Gypsum Panels *(09 22 36 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 13-0012	SF	3/8" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.55	0.38
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0013	SF	1/2" Thick, Installed On Studs Or Furred Walls, Firestop Plaster Base Gypsum Panel	1.80	0.44
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0014	SF	3/8" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	1.86	0.54
		For Ceilings >10' High, Add	*0.16*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0015	SF	1/2" Thick, Installed On Ceilings, Firestop Plaster Base Gypsum Panel	2.15	0.62
		For Ceilings >10' High, Add	*0.19*	
		For Up To 100, Add	*0.63*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0016	SF	3/8" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.16	0.69
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0017	SF	1/2" Thick, Installed On Columns And Beams, Firestop Plaster Base Gypsum Panel	2.51	0.81
		For Columns And Beams >10' High, Add	*0.24*	
		For Up To 100, Add	*0.81*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	

09 22 36 13-0018 Foil Back Plaster Base Gypsum Panels *(09 22 36 13)*

09 22 36 13-0019	SF	3/8" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.55	0.38
		For Walls >10' High, Add	*0.10*	
		For Up To 100, Add	*0.39*	
		For >100 To 500, Add	*0.20*	
		For >5,000, Deduct	*-0.08*	
09 22 36 13-0020	SF	1/2" Thick, Installed On Studs Or Furred Walls, Foil Back Plaster Base Gypsum Panel	1.80	0.44
		For Walls >10' High, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 500, Add	*0.23*	
		For >5,000, Deduct	*-0.09*	
09 22 36 13-0021	SF	3/8" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	1.86	0.54
		For Ceilings >10' High, Add	*0.16*	
		For Up To 100, Add	*0.55*	
		For >100 To 500, Add	*0.27*	
		For >5,000, Deduct	*-0.11*	
09 22 36 13-0022	SF	1/2" Thick, Installed On Ceiling, Foil Back Plaster Base Gypsum Panel	2.15	0.62
		For Ceilings >10' High, Add	*0.19*	
		For Up To 100, Add	*0.63*	
		For >100 To 500, Add	*0.31*	
		For >5,000, Deduct	*-0.13*	
09 22 36 13-0023	SF	3/8" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.16	0.69
		For Columns And Beams >10' High, Add	*0.21*	
		For Up To 100, Add	*0.70*	
		For >100 To 500, Add	*0.35*	
		For >5,000, Deduct	*-0.14*	
09 22 36 13-0024	SF	1/2" Thick, Installed On Columns And Beams, Foil Back Plaster Base Gypsum Panel	2.51	0.81
		For Columns And Beams >10' High, Add	*0.24*	
		For Up To 100, Add	*0.81*	
		For >100 To 500, Add	*0.40*	
		For >5,000, Deduct	*-0.16*	

09 22 36 23 Metal Lath *(09 22 36)*

09 22 36 23-0001 Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0002	SF	1.75 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.81	0.53
		For Walls >10' High, Add	*0.15*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0003	SF	2 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.89	0.53
		For Walls >10' High, Add	*0.15*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	
09 22 36 23-0004	SF	2.5 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	1.97	0.53
		For Walls >10' High, Add	*0.15*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.60*	
		For >100 To 500, Add	*0.30*	
		For >5,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0005	SF	3.4 LB/SY, Installed On Studs Or Furred Walls, Flat Diamond, Expanded Metal Lath	2.26	0.57
		For Walls >10' High, Add	*0.16*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 23-0006	SF	1.75 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	1.98	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0007	SF	2 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.06	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0008	SF	2.5 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.14	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0009	SF	3.4 LB/SY, Installed On Ceiling, Flat Diamond, Expanded Metal Lath	2.35	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0010	SF	1.75 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.61	0.86
		For Columns And Beams >10' High, Add	*0.29*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.96*	
		For >100 To 500, Add	*0.48*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0011	SF	2 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.69	0.86
		For Columns And Beams >10' High, Add	*0.29*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.96*	
		For >100 To 500, Add	*0.48*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0012	SF	2.5 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	2.77	0.86
		For Columns And Beams >10' High, Add	*0.29*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.96*	
		For >100 To 500, Add	*0.48*	
		For >5,000, Deduct	*-0.19*	
09 22 36 23-0013	SF	3.4 LB/SY, Installed On Columns And Beams, Flat Diamond, Expanded Metal Lath	3.46	1.08
		For Columns And Beams >10' High, Add	*0.36*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.20*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	

09 22 36 23-0014 Self Furring, Flat Diamond, Expanded Metal Lath *(09 22 36 23)*

09 22 36 23-0015	SF	1.75 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.89	0.57
		For Walls >10' High, Add	*0.16*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 23-0016	SF	2.0 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	1.97	0.57
		For Walls >10' High, Add	*0.16*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 23-0017	SF	2.5 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.05	0.57
		For Walls >10' High, Add	*0.16*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 23-0018	SF	3.4 LB/SY, Installed On Solid Wall Surface, Self Furring, Flat Diamond, Expanded Metal Lath	2.26	0.57
		For Walls >10' High, Add	*0.16*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 22 36 23-0019	SF	1.75 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.09	1.08
		For Columns And Beams >10' High, Add	*0.36*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.20*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	
09 22 36 23-0020	SF	2.0 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.17	1.08
		For Columns And Beams >10' High, Add	*0.36*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.20*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	
09 22 36 23-0021	SF	2.5 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.25	1.08
		For Columns And Beams >10' High, Add	*0.36*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.20*	
		For >100 To 500, Add	*0.60*	
		For >5,000, Deduct	*-0.24*	
09 22 36 23-0022	SF	3.4 LB/SY, Installed On Columns And Beams, Self Furring, Flat Diamond, Expanded Metal Lath	3.80	1.23
		For Columns And Beams >10' High, Add	*0.41*	
		For Paper Backed Lath, Add	*0.06*	
		For Up To 100, Add	*1.37*	
		For >100 To 500, Add	*0.68*	
		For >5,000, Deduct	*-0.27*	

09 22 36 23-0023 High Rib Metal Lath *(09 22 36 23)*

09 22 36 23-0024	SF	2.75 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.21	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0025	SF	3.4 LB/SY, Installed On Ceiling, 1/8" High Rib Metal Lath	2.33	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0026	SF	3.4 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.40	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 23-0027	SF	4.0 LB/SY, Installed On Ceiling, 3/8" High Rib Metal Lath	2.54	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	

09 22 36 33 Fiberglass Lath *(09 22 36)*

09 22 36 33-0001 Non-Metallic, Fiberglass Lath *(09 22 36 33)*

09 22 36 33-0002	SF	1/8" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.40	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 33-0003	SF	1/4" Thick, Installed On Ceiling, Non-Metallic, Fiberglass Lath	2.55	0.61
		For Ceilings >10' High, Add	*0.21*	
		For Up To 100, Add	*0.69*	
		For >100 To 500, Add	*0.34*	
		For >5,000, Deduct	*-0.14*	
09 22 36 33-0004	SF	1/8" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	2.31	0.57
		For Walls >10' High, Add	*0.16*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	
09 22 36 33-0005	SF	1/4" Thick, Installed On Solid Wall Surface, Non-Metallic, Fiberglass Lath	2.46	0.57
		For Walls >10' High, Add	*0.16*	
		For Up To 100, Add	*0.64*	
		For >100 To 500, Add	*0.32*	
		For >5,000, Deduct	*-0.13*	

09 23 Gypsum Plastering *(09 20)*

09 23 13 Acoustical Gypsum Plastering *(09 23)*

Note: Excludes lath, furring and studs. See CSI section 09 22 00 00-0000 for metal studs and furring, 09 22 36 00-0000 for lath.

09 23 13 00-0001 Casing And Corner Beads *(09 23 13)*

09 23 13 00-0002	LF	Galvanized Expanded Flange Casing Bead For Plaster Applications	3.52	0.86
09 23 13 00-0003	LF	Zinc Expanded Flange Casing Bead For Plaster Applications	3.52	0.86
09 23 13 00-0004	LF	Vinyl Expanded Flange Casing Bead For Plaster Applications	3.55	0.86
09 23 13 00-0005	LF	Galvanized Corner Bead For Plaster Applications	3.39	0.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0006	LF	Vinyl Corner Bead For Plaster Applications	3.34	0.86

09 23 13 00-0007 Trim *(09 23 13)*

09 23 13 00-0008	LF	Galvanized "J" Trim For Plaster Applications	3.63	0.86
		For Vinyl Instead Of Galvanized, Add	*0.16*	
		For Zinc Instead Of Galvanized, Add	*1.08*	
09 23 13 00-0009	LF	Galvanized "L" Trim For Plaster Applications	3.63	0.86
		For Vinyl Instead Of Galvanized, Add	*0.16*	
		For Zinc Instead Of Galvanized, Add	*1.08*	
09 23 13 00-0010	LF	Galvanized "U" Trim For Plaster Applications	3.63	0.86
		For Vinyl Instead Of Galvanized, Add	*0.16*	
		For Zinc Instead Of Galvanized, Add	*1.08*	

09 23 13 00-0011 Plaster Forms And Expansion Joints *(09 23 13)*

09 23 13 00-0012	SF	1" Architectural Foam Forms To Cover With Plaster	4.10	
09 23 13 00-0013	LF	3/4" Galvanized Expansion Joint For Plaster Applications	4.09	0.86

09 23 13 00-0014 One Skim Coat Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0015	SF	Skim Coat One Coat Gypsum Plaster On Walls	1.09	
		For Walls >10' High, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.14*	
		For Horizontal Installation >10' High, Add	*0.29*	
		For Columns Or Beams Up To 10' High, Add	*0.30*	
		For Columns Or Beams >10' High, Add	*0.44*	
		For Up To 100, Add	*0.48*	
		For >100 To 500, Add	*0.24*	
		For >5,000, Deduct	*-0.19*	
09 23 13 00-0016	SF	For Each Additional Coat Over One, Skim Coat Gypsum Plaster On Walls	0.79	
		For Walls >10' High, Add	*0.07*	
		For Horizontal Installation Up To 10' High, Add	*0.10*	
		For Horizontal Installation >10' High, Add	*0.21*	
		For Columns Or Beams Up To 10' High, Add	*0.21*	
		For Columns Or Beams >10' High, Add	*0.32*	
		For Up To 100, Add	*0.35*	
		For >100 To 500, Add	*0.17*	
		For >5,000, Deduct	*-0.14*	

09 23 13 00-0017 Two Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0018	SF	Smooth Finish Two Coats Gypsum Plaster On Walls	5.51	3.19
		For Walls >10' High, Add	*0.53*	
		For Horizontal Installation Up To 10' High, Add	*0.79*	
		For Horizontal Installation >10' High, Add	*1.58*	
		For Columns Or Beams Up To 10' High, Add	*1.63*	
		For Columns Or Beams >10' High, Add	*2.42*	
		For Up To 100, Add	*2.63*	
		For >100 To 500, Add	*1.32*	
		For >5,000, Deduct	*-1.05*	
09 23 13 00-0019	SF	Sand Aggregate Two Coats Gypsum Plaster On Walls	5.64	3.02
		For Walls >10' High, Add	*0.49*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*1.48*	
		For Columns Or Beams Up To 10' High, Add	*1.53*	
		For Columns Or Beams >10' High, Add	*2.27*	
		For Up To 100, Add	*2.47*	
		For >100 To 500, Add	*1.24*	
		For >5,000, Deduct	*-0.99*	
09 23 13 00-0020	SF	Perlite Or Vermiculite Two Coats Gypsum Plaster On Walls	5.59	3.02
		For Walls >10' High, Add	*0.49*	
		For Horizontal Installation Up To 10' High, Add	*0.74*	
		For Horizontal Installation >10' High, Add	*1.48*	
		For Columns Or Beams Up To 10' High, Add	*1.53*	
		For Columns Or Beams >10' High, Add	*2.27*	
		For Up To 100, Add	*2.47*	
		For >100 To 500, Add	*1.24*	
		For >5,000, Deduct	*-0.99*	

09 23 13 00-0021 Three Coats Gypsum Plaster On Walls *(09 23 13)*

09 23 13 00-0022	SF	Smooth Finish Three Coats Gypsum Plaster On Walls	6.64	3.88
		For Walls >10' High, Add	*0.63*	
		For Horizontal Installation Up To 10' High, Add	*0.94*	
		For Horizontal Installation >10' High, Add	*1.88*	
		For Columns Or Beams Up To 10' High, Add	*1.95*	
		For Columns Or Beams >10' High, Add	*2.89*	
		For Up To 100, Add	*3.14*	
		For >100 To 500, Add	*1.57*	
		For >5,000, Deduct	*-1.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 23 13 00-0023	SF	Sand Aggregate Three Coats Gypsum Plaster On Walls	6.64	3.54
		For Walls >10' High, Add	*0.58*	
		For Horizontal Installation Up To 10' High, Add	*0.87*	
		For Horizontal Installation >10' High, Add	*1.75*	
		For Columns Or Beams Up To 10' High, Add	*1.81*	
		For Columns Or Beams >10' High, Add	*2.68*	
		For Up To 100, Add	*2.92*	
		For >100 To 500, Add	*1.46*	
		For >5,000, Deduct	*-1.17*	
09 23 13 00-0024	SF	Perlite Or Vermiculite Three Coats Gypsum Plaster On Walls	6.24	3.54
		For Walls >10' High, Add	*0.58*	
		For Horizontal Installation Up To 10' High, Add	*0.87*	
		For Horizontal Installation >10' High, Add	*1.74*	
		For Columns Or Beams Up To 10' High, Add	*1.80*	
		For Columns Or Beams >10' High, Add	*2.67*	
		For Up To 100, Add	*2.90*	
		For >100 To 500, Add	*1.45*	
		For >5,000, Deduct	*-1.16*	

09 23 13 00-0025 Plaster Bonding Agent *(09 23 13)*

09 23 13 00-0026	SF	1 Coat, Brush/Roller Plaster Bonding Agent	0.61	
		For Walls >10' High, Add	*0.05*	
		For Columns Or Beams Up To 10' High, Add	*0.15*	
		For Columns Or Beams >10' High, Add	*0.23*	
		For Ceiling Application Up To 10' High, Add	*0.07*	
		For Ceiling Application >10' High, Add	*0.12*	

09 24 Cement Plastering *(09 20)*

09 24 13 Acoustical Cement Plastering *(09 24)*

09 24 13 00-0001 Keene's Cement Plaster, Quick Setting, White Hard Plaster *(09 24 13)*

Note: Used for areas with higher than normal moisture.

09 24 13 00-0002	SF	1 Coat Keene's Cement Plaster On Walls	4.38	2.16
		For Walls >10' High, Add	*0.35*	
		For Horizontal Installation Up To 10' High, Add	*0.52*	
		For Horizontal Installation >10' High, Add	*1.04*	
		For Columns Or Beams Up To 10' High, Add	*1.07*	
		For Columns Or Beams >10' High, Add	*1.59*	
		For Up To 100, Add	*1.73*	
		For >100 To 500, Add	*0.86*	
		For >5,000, Deduct	*-0.69*	
09 24 13 00-0003	SF	2 Coat Keene's Cement Plaster On Walls	6.63	3.36
		For Walls >10' High, Add	*0.55*	
		For Horizontal Installation Up To 10' High, Add	*0.82*	
		For Horizontal Installation >10' High, Add	*1.64*	
		For Columns Or Beams Up To 10' High, Add	*1.69*	
		For Columns Or Beams >10' High, Add	*2.51*	
		For Up To 100, Add	*2.73*	
		For >100 To 500, Add	*1.37*	
		For >5,000, Deduct	*-1.09*	
09 24 13 00-0004	SF	3 Coat Keene's Cement Plaster On Walls	7.51	3.79
		For Walls >10' High, Add	*0.62*	
		For Horizontal Installation Up To 10' High, Add	*0.93*	
		For Horizontal Installation >10' High, Add	*1.85*	
		For Columns Or Beams Up To 10' High, Add	*1.92*	
		For Columns Or Beams >10' High, Add	*2.84*	
		For Up To 100, Add	*3.09*	
		For >100 To 500, Add	*1.55*	
		For >5,000, Deduct	*-1.24*	

09 24 23 Cement Stucco *(09 24)*

Note: Packaged product reinforced with fibers. All plastering excludes lath, furring or studs except as noted. See CSI section 09 22 00 00-0000 for metal studs and furring.

09 24 23 00-0001 Stucco *(09 24 23)*

Note: Excludes wall scaffolding or lifting equipment.

09 24 23 00-0002	SF	Scratch/Brown/Finish, Three Coat Troweled Stucco Note: Excludes lath and felt. Interior or exterior, one side.	8.30	2.68
		For Walls >10' High, Add	*0.73*	
		For Horizontal Installation Up To 10' High, Add	*1.10*	
		For Horizontal Installation >10' High, Add	*2.19*	
		For Columns Or Beams Up To 10' High, Add	*2.26*	
		For Columns Or Beams >10' High, Add	*3.36*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.53*	
		For Up To 100, Add	*3.65*	
		For >100 To 500, Add	*1.83*	
		For >5,000, Deduct	*-1.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 24 23 00-0003	SF	Scratch/Brown, Two Coat Troweled Stucco	3.56	1.30
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.27*	
		For Horizontal Installation Up To 10' High, Add	*0.40*	
		For Horizontal Installation >10' High, Add	*0.80*	
		For Columns Or Beams Up To 10' High, Add	*0.83*	
		For Columns Or Beams >10' High, Add	*1.23*	
		For Up To 100, Add	*1.34*	
		For >100 To 500, Add	*0.67*	
		For >5,000, Deduct	*-0.54*	
09 24 23 00-0004	SF	Scratch/Finish, Two Coat Troweled Stucco	5.47	1.30
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.47*	
		For Horizontal Installation Up To 10' High, Add	*0.71*	
		For Horizontal Installation >10' High, Add	*1.42*	
		For Columns Or Beams Up To 10' High, Add	*1.47*	
		For Columns Or Beams >10' High, Add	*2.18*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.30*	
		For Up To 100, Add	*2.37*	
		For >100 To 500, Add	*1.19*	
		For >5,000, Deduct	*-0.95*	
09 24 23 00-0005	SF	Finish Coat Troweled Stucco	3.57	0.86
		Note: Excludes lath and felt. Interior or exterior, one side.		
		For Walls >10' High, Add	*0.35*	
		For Horizontal Installation Up To 10' High, Add	*0.52*	
		For Horizontal Installation >10' High, Add	*1.04*	
		For Columns Or Beams Up To 10' High, Add	*1.07*	
		For Columns Or Beams >10' High, Add	*1.59*	
		For Color Added To Finish Coat, Add	*0.15*	
		For Smooth Float Finish, Add	*1.30*	
		For Up To 100, Add	*1.73*	
		For >100 To 500, Add	*0.86*	
		For >5,000, Deduct	*-0.69*	

09 24 33 Cement Parging *(09 24)*

09 24 33 00-0001 Cement Parging *(09 24 33)*

09 24 33 00-0002	SF	1/8" Thick Sand And Cement Parging	3.27	
09 24 33 00-0003	SF	1/4" Thick Sand And Cement Parging	4.19	
09 24 33 00-0004	SF	1/2" Thick Sand And Cement Parging	5.23	

09 28 Backing Boards and Underlayments *(09 20)*

09 28 13 Cementitious Backing Boards *(09 28)*

09 28 13 00-0001 Cementitious Backer Units *(09 28 13)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 13 00-0002	SF	1/4" Cementitious Backer Units For Installation On Floors	3.57	0.58
		For Up To 50, Add	*2.63*	
		For >50 To 250, Add	*0.46*	
		For >1,000, Deduct	*-0.23*	
		For Installation On Wall, Add	*0.46*	
		For Installation On Ceiling, Add	*1.16*	
09 28 13 00-0003	SF	1/2" Cementitious Backer Units For Installation On Floors	4.07	0.70
		For Up To 50, Add	*3.10*	
		For >50 To 250, Add	*0.56*	
		For >1,000, Deduct	*-0.28*	
		For Installation On Wall, Add	*0.56*	
		For Installation On Ceiling, Add	*1.39*	
09 28 13 00-0004	SF	5/8" Cementitious Backer Units For Installation On Floors	5.07	0.82
		For Up To 50, Add	*3.71*	
		For >50 To 250, Add	*0.65*	
		For >1,000, Deduct	*-0.33*	
		For Installation On Wall, Add	*0.65*	
		For Installation On Ceiling, Add	*1.63*	

09 28 16 Glass-Mat Faced Gypsum Backing Boards *(09 28)*

09 28 16 00-0001 Glass Mat Faced Backer Units, DensShield *(09 28 16)*

Note: Installed with mechanical fasteners to floor, wall and ceiling surfaces. Use thin-set from setting methods section for floor installations as applicable.

09 28 16 00-0002	SF	1/2" DensShield Tile Backer For Installation On Floors	2.59	0.65
		For Up To 50, Add	*1.90*	
		For >50 To 250, Add	*0.33*	
		For >1,000, Deduct	*-0.17*	
		For Installation On Wall, Add	*0.33*	
		For Installation On Ceiling, Add	*0.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 28 16 00-0003	SF	5/8" DensShield Tile Backer For Installation On Floors	3.23	0.75
		For Up To 50, Add	*2.20*	
		For >50 To 250, Add	*0.37*	
		For >1,000, Deduct	*-0.19*	
		For Installation On Wall, Add	*0.37*	
		For Installation On Ceiling, Add	*0.93*	

09 29 Gypsum Board *(09 20)*

09 29 10 Gypsum Board *(09 29)*

09 29 10 00-0001 Standard Gypsum Board Application *(09 29 10)*

Note: Includes gypsum board screwed in place on walls, ceilings, beams, columns, soffits, etc.. Excludes finishing. See CSI section 09 01 20 91-0001 for small repairs, 09 29 10 00-0036 for finishing gypsum board, 09 29 10 00-0049 for casing and corner bead.

09 29 10 00-0002 Standard Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0003	SF	1/4" Gypsum Board	1.09	0.37
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.18*	
		For Adhesive Applied Sheets, Add	*0.10*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.26*	
		For Horizontal Installation >10' High, Add	*0.38*	
		For Walls >10' High, Add	*0.06*	
		For Up To 128, Add	*0.37*	
		For >128 To 320, Add	*0.22*	
		For >1,536, Deduct	*-0.09*	
09 29 10 00-0004	SF	3/8" Gypsum Board	1.18	0.41
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.20*	
		For Adhesive Applied Sheets, Add	*0.10*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.29*	
		For Horizontal Installation >10' High, Add	*0.42*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.40*	
		For >128 To 320, Add	*0.24*	
		For >1,536, Deduct	*-0.09*	
09 29 10 00-0005	SF	1/2" Gypsum Board	1.30	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.22*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.48*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.45*	
		For >128 To 320, Add	*0.27*	
		For >1,536, Deduct	*-0.10*	
09 29 10 00-0006	SF	5/8" Gypsum Board	1.54	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.53*	
		For >128 To 320, Add	*0.32*	
		For >1,536, Deduct	*-0.12*	

09 29 10 00-0007 Fire Rated Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0008 Type X, Fire Rated Gypsum Board *(09 29 10 00-0007)*

09 29 10 00-0009	SF	5/8" Type X Fire Rated Gypsum Board	1.64	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.28*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.57*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.12*	

09 29 10 00-0010 Type C, Fire Rated Gypsum Board *(09 29 10 00-0007)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0011	SF	1/2" Type C Fire Rated Gypsum Board	1.50	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.36*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.51*	
		For >128 To 320, Add	*0.31*	
		For >1,536, Deduct	*-0.12*	
09 29 10 00-0012	SF	5/8" Type C Fire Rated Gypsum Board	1.68	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Foil Back Board, Add	*0.10*	
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.58*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.13*	

09 29 10 00-0013 Fire Rated Gypsum Board (Sheetrock® Ultracode®) *(09 29 10 00-0007)*

09 29 10 00-0014	SF	3/4" Fire Rated Gypsum Board (Sheetrock® Ultracode®)	2.27	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.70*	
		For >128 To 320, Add	*0.41*	
		For >1,536, Deduct	*-0.22*	

09 29 10 00-0015 Moisture Resistant Gypsum Board Application *(09 29 10 00-0001)*

Note: Water-resistant gypsum core.

09 29 10 00-0016	SF	1/2" Moisture Resistant Gypsum Board	1.41	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.48*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.47*	
		For >128 To 320, Add	*0.29*	
		For >1,536, Deduct	*-0.12*	
09 29 10 00-0017	SF	5/8" Moisture Resistant Gypsum Board	1.82	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.59*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.16*	

09 29 10 00-0018 Vinyl Faced Gypsum Board Application *(09 29 10 00-0001)*

Note: Includes clips and adhesive.

09 29 10 00-0019	SF	3/8" Prefinished, Vinyl Faced Gypsum Board	2.58	0.37
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.21*	
		For Adhesive Applied Sheets, Add	*0.10*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.29*	
		For Horizontal Installation >10' High, Add	*0.42*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.68*	
		For >128 To 320, Add	*0.38*	
		For >1,536, Deduct	*-0.30*	
09 29 10 00-0020	SF	1/2" Prefinished, Vinyl Faced Gypsum Board	2.70	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.24*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.48*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.73*	
		For >128 To 320, Add	*0.41*	
		For >1,536, Deduct	*-0.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0021	SF	5/8" Prefinished, Vinyl Faced Gypsum Board	2.85	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.79*	
		For >128 To 320, Add	*0.45*	
		For >1,536, Deduct	*-0.32*	
09 29 10 00-0022	SF	1/2" Fire Rated, Prefinished Vinyl Faced Gypsum Board	3.13	0.48
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.36*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.84*	
		For >128 To 320, Add	*0.47*	
		For >1,536, Deduct	*-0.36*	
09 29 10 00-0023	SF	5/8" Fire Rated, Prefinished Vinyl Faced Gypsum Board	4.74	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.32*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*1.19*	
		For >128 To 320, Add	*0.66*	
		For >1,536, Deduct	*-0.59*	

09 29 10 00-0024 Moisture And Mold Resistant Gypsum Board Application *(09 29 10 00-0001)*

09 29 10 00-0025	SF	1/2", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	1.64	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.23*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.33*	
		For Horizontal Installation >10' High, Add	*0.48*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.52*	
		For >128 To 320, Add	*0.31*	
		For >1,536, Deduct	*-0.15*	
09 29 10 00-0026	SF	5/8", Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Mold-Guard™)	1.94	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Non-reinforced Board, Deduct	*-0.08*	
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.61*	
		For >128 To 320, Add	*0.36*	
		For >1,536, Deduct	*-0.18*	
09 29 10 00-0027	SF	1/2" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	1.94	0.46
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.25*	
		For Adhesive Applied Sheets, Add	*0.11*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.36*	
		For Horizontal Installation >10' High, Add	*0.53*	
		For Walls >10' High, Add	*0.08*	
		For Up To 128, Add	*0.60*	
		For >128 To 320, Add	*0.35*	
		For >1,536, Deduct	*-0.19*	
09 29 10 00-0028	SF	5/8" Fire Rated, Mesh Reinforced, Moisture And Mold Resistant Gypsum Board (Georgia-Pacific ToughRock® Fireguard X® Mold-Guard™)	2.17	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.41*	
		For Horizontal Installation >10' High, Add	*0.61*	
		For Walls >10' High, Add	*0.10*	
		For Up To 128, Add	*0.68*	
		For >128 To 320, Add	*0.40*	
		For >1,536, Deduct	*-0.20*	

09 29 10 00-0029 Impact Resistant Gypsum Board *(09 29 10 00-0001)*

Note: Includes tapered edge, mold and moisture resistant, fire-resistant, Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0030	SF	5/8" Fire Rated, Impact Resistant Gypsum Board (National Gypsum Hi-Impact®)	2.81	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.27*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.55*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.78*	
		For >128 To 320, Add	*0.45*	
		For >1,536, Deduct	*-0.31*	

09 29 10 00-0031 Abuse Resistant Gypsum Board *(09 29 10 00-0001)*

Note: Includes tapered edge, mold and moisture resistant, fire-resistant Type X gypsum core encased in a heavy, abrasion and mold/mildew/moisture resistant

09 29 10 00-0032	SF	5/8" Fire Rated, Abuse Resistant Gypsum Board (National Gypsum Hi-Abuse®)	1.99	0.53
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.26*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.37*	
		For Horizontal Installation >10' High, Add	*0.55*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.62*	
		For >128 To 320, Add	*0.36*	
		For >1,536, Deduct	*-0.19*	

09 29 10 00-0033 Noise Reducing Gypsum Board *(09 29 10 00-0001)*

09 29 10 00-0034	SF	1/2" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	3.76	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.28*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*0.98*	
		For >128 To 320, Add	*0.54*	
		For >1,536, Deduct	*-0.45*	
09 29 10 00-0035	SF	5/8" Noise Reducing Gypsum Board (National Gypsum SoundBreak)	4.54	0.55
		For Curved Surfaces With A 2'-0" Maximum Radius, Add	*0.29*	
		For Adhesive Applied Sheets, Add	*0.12*	
		Note: Includes bracing until adhesive is bonded		
		For Horizontal Installation Up To 10' High, Add	*0.38*	
		For Horizontal Installation >10' High, Add	*0.56*	
		For Walls >10' High, Add	*0.09*	
		For Up To 128, Add	*1.13*	
		For >128 To 320, Add	*0.62*	
		For >1,536, Deduct	*-0.57*	

09 29 10 00-0036 Finishing Gypsum Board Applications *(09 29 10)*

Note: Includes flat or curved walls, columns, soffits, recesses, and chases. Tape, spackle, sand and finish gypsum board to the appropriate level as defined by ASTM C 840. No taping or finishing is required for Level 0. For Level 1, tape is set in compound at joints and interior angles. Ridges and tool marks are acceptable. For Level 2, tape is set in compound and wiped with a joint knife leaving a thin coating of compound over joints, interior angles, fastener heads, and beads. Ridges and tool marks are acceptable. Compound applied over the body of the tape at the time of the tape is set satisfies the conditions for this level. For Level 3, tape is set in compound and one additional coat of compound is applied over all joints and interior angles. Fastener heads and accessories receive two separate coats of joint compound. Ridges and tool marks are not acceptable. For Level 4, tape is set in compound and two separate coats of compound are applied over all flat joints with one separate coat of compound applied over interior angles. Fastener heads and accessories receive three separate coats of compound. Ridges and tool marks are not acceptable. A Level 5 finish is a Level 4 finish plus a thin skim coat of compound applied to the entire drywall surface. All levels of finish require that the surface be free of excess compound. A single modifier may be used to change the level of finish to the appropriate level.

09 29 10 00-0037 Finish Gypsum Board Walls, ASTM C840 Level 4 *(09 29 10 00-0036)*

09 29 10 00-0038	SF	Up To 10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.62	
		For Up To 128, Add	*0.24*	
		For >128 To 320, Add	*0.15*	
		For >5,400, Deduct	*-0.06*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.30*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.15*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.06*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.46*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.46*	
09 29 10 00-0039	SF	>10' High, Walls, Tape, Spackle And Finish Gypsum Board	0.82	
		Note: Use this task for the entire wall area when the wall is >10' high.		
		For Up To 128, Add	*0.32*	
		For >128 To 320, Add	*0.20*	
		For >5,400, Deduct	*-0.08*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.40*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.20*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.08*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.61*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0040		**Finish Gypsum Board Ceilings, ASTM C840 Level 4** *(09 29 10 00-0036)*		
09 29 10 00-0041	SF	Up To 10' High, Ceilings, Tape, Spackle And Finish Gypsum Board	0.80	
		For Up To 128, Add	*0.31*	
		For >128 To 320, Add	*0.19*	
		For >5,400, Deduct	*-0.08*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.39*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.19*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.08*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.59*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.59*	
09 29 10 00-0042	SF	>10' High, Ceilings, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.07	
		For Up To 128, Add	*0.42*	
		For >128 To 320, Add	*0.26*	
		For >5,400, Deduct	*-0.11*	
		For ASTM C840 Level 1 Finish, Deduct	*-0.52*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.26*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.10*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.80*	
		For Spray Applied Textured Or Orange Peel Finish, Add	*0.80*	
09 29 10 00-0043		**Finish Gypsum Board Vertical Corners, ASTM C840 Level 4** *(09 29 10 00-0036)* Note: Inside or outside gypsum board corners.		
09 29 10 00-0044	LF	Up To 10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board	1.22	
		For ASTM C840 Level 1 Finish, Deduct	*-0.57*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.29*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.12*	
		For ASTM C840 Level 5 High Quality Finish, Add	*0.90*	
09 29 10 00-0045	LF	>10' High, Vertical Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.46	
		For ASTM C840 Level 1 Finish, Deduct	*-0.69*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.35*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.14*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.08*	
09 29 10 00-0046		**Finish Gypsum Board Horizontal Corners, ASTM C840 Level 4** *(09 29 10 00-0036)* Note: Inside or outside gypsum board corners.		
09 29 10 00-0047	LF	Up To 10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board	1.42	
		For ASTM C840 Level 1 Finish, Deduct	*-0.67*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.34*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.14*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.05*	
09 29 10 00-0048	LF	>10' High, Horizontal Corners, Tape, Spackle And Finish Gypsum Board Note: Use this task for the entire wall area when the wall is >10' high.	1.70	
		For ASTM C840 Level 1 Finish, Deduct	*-0.81*	
		For ASTM C840 Level 2 Finish, Deduct	*-0.41*	
		For ASTM C840 Level 3 Finish, Deduct	*-0.16*	
		For ASTM C840 Level 5 High Quality Finish, Add	*1.26*	
09 29 10 00-0049		**Casing And Corner Beads** *(09 29 10)*		
09 29 10 00-0050	LF	Casing, Galvanized Steel J-Bead For Gypsum Board	3.33	0.93
		For Up To 100, Add	*0.23*	
		For >500, Deduct	*-0.17*	
09 29 10 00-0051	LF	Corner Bead, Galvanized Steel For Gypsum Board	3.22	0.93
		For Up To 100, Add	*0.21*	
		For >500, Deduct	*-0.16*	
09 29 10 00-0052		**Preformed Architectural Profiles** *(09 29 10)*		
09 29 10 00-0053		**Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0054	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.12	1.12
09 29 10 00-0055	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.15	1.12
09 29 10 00-0056	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.26	1.12
09 29 10 00-0057	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.32	1.12
09 29 10 00-0058	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.47	1.12
09 29 10 00-0059	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.61	1.12
09 29 10 00-0060	LF	1" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.76	1.12
09 29 10 00-0061	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.22	1.12
09 29 10 00-0062	LF	2" x 1/2" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.69	1.12
09 29 10 00-0063	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.25	1.21
09 29 10 00-0064	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.25	1.21
09 29 10 00-0065	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.57	1.21
09 29 10 00-0066	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.63	1.21
09 29 10 00-0067	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.83	1.21
09 29 10 00-0068	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	4.92	1.21
09 29 10 00-0069	LF	1" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.03	1.21
09 29 10 00-0070	LF	1 1/2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	5.56	1.21
09 29 10 00-0071	LF	2" x 5/8" Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	6.08	1.21
09 29 10 00-0072	LF	3" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	8.24	1.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0073	LF	4" x 5/8", Aluminum Extrusions, Single Fin Trim Reveal For Gypsum Board	9.11	1.39
09 29 10 00-0074		**Edge Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0075	LF	1/2" Aluminum Extrusions, Edge Trim For Gypsum Board	3.83	1.16
09 29 10 00-0076	LF	5/8" Aluminum Extrusions, Edge Trim For Gypsum Board	4.06	1.16
09 29 10 00-0077	LF	1" Aluminum Extrusions, Edge Trim For Gypsum Board	4.73	1.28
09 29 10 00-0078	LF	1-1/4" Aluminum Extrusions, Edge Trim For Gypsum Board	4.97	1.39
09 29 10 00-0079	LF	1/2" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	6.74	1.16
09 29 10 00-0080	LF	5/8" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	6.97	1.16
09 29 10 00-0081	LF	1" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	7.64	1.28
09 29 10 00-0082	LF	1-1/4" Flexible Aluminum Extrusions, Edge Trim For Gypsum Board	7.87	1.39
09 29 10 00-0083		**Bevel Trim For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0084	LF	5/16" x 1/4" Aluminum Extrusions, Bevel Trim For Gypsum Board	4.06	1.16
09 29 10 00-0085	LF	5/8" x 5/8" Aluminum Extrusions, Bevel Trim For Gypsum Board	4.64	1.28
09 29 10 00-0086		**Trim/Wainscot Caps For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0087	LF	1-1/2" Wide Aluminum Extrusions, Trim/Wainscot Cap For Gypsum Board	5.46	1.39
09 29 10 00-0088		**Single Fin Wall/Trim Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0089	LF	1/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	3.80	0.75
09 29 10 00-0090	LF	1/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	3.90	0.84
09 29 10 00-0091	LF	3/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.50	0.93
09 29 10 00-0092	LF	1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.78	1.02
09 29 10 00-0093	LF	5/8" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.05	1.12
09 29 10 00-0094	LF	3/4" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.14	1.12
09 29 10 00-0095	LF	1" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.40	1.12
09 29 10 00-0096	LF	1-1/2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.89	1.12
09 29 10 00-0097	LF	2" x 1/2" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.06	1.12
09 29 10 00-0098	LF	1/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.83	1.21
09 29 10 00-0099	LF	1/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	4.89	1.21
09 29 10 00-0100	LF	3/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.21	1.21
09 29 10 00-0101	LF	1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.35	1.21
09 29 10 00-0102	LF	5/8" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.47	1.21
09 29 10 00-0103	LF	3/4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.62	1.21
09 29 10 00-0104	LF	1" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	5.82	1.21
09 29 10 00-0105	LF	1-1/2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.34	1.21
09 29 10 00-0106	LF	2" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	6.78	1.21
09 29 10 00-0107	LF	3" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	8.17	1.21
09 29 10 00-0108	LF	4" x 5/8" Aluminum Extrusions, Single Fin Wall Reveal For Gypsum Board	10.85	1.21
09 29 10 00-0109	LF	3-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	7.65	1.21
09 29 10 00-0110	LF	3-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	7.88	1.21
09 29 10 00-0111	LF	4-1/16" x 7/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	8.67	1.21
09 29 10 00-0112	LF	4-1/16" x 9/16", Aluminum Extrusions, Single Fin Wall Base For Gypsum Board	8.75	1.21
09 29 10 00-0113	LF	9/16" Tall with 1/2" Reveal, Aluminum Extrusions, Single Fin Wall Base With Reveal For Gypsum Board	9.89	1.21
09 29 10 00-0114	LF	5/8" Aluminum Extrusions, Single Fin Wall/Trim Reveal Hanging Track For Gypsum Board	8.20	1.21
09 29 10 00-0115		**'V' Groove Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0116	LF	1/4" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	6.08	1.67
09 29 10 00-0117	LF	3/4" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	6.98	1.86
09 29 10 00-0118	LF	1" x 1/2" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	7.96	2.23
09 29 10 00-0119	LF	9/32" x 5/8" Aluminum Extrusions, 'V' Groove Wall Reveal For Gypsum Board	8.15	2.42
09 29 10 00-0120		**Double Fin Wall Reveals For Gypsum Board** *(09 29 10 00-0052)*		
09 29 10 00-0121	LF	3/8" x 3/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.51	1.12
09 29 10 00-0122	LF	1/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.57	1.12
09 29 10 00-0123	LF	1/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.63	1.12
09 29 10 00-0124	LF	3/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.63	1.12
09 29 10 00-0125	LF	1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.89	1.12
09 29 10 00-0126	LF	5/8" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.01	1.10
09 29 10 00-0127	LF	3/4" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.12	1.12
09 29 10 00-0128	LF	1" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.38	1.12
09 29 10 00-0129	LF	1-1/2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.82	1.12
09 29 10 00-0130	LF	2" x 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.29	1.12
09 29 10 00-0131	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.85	1.21
09 29 10 00-0132	LF	1/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	5.91	1.21
09 29 10 00-0133	LF	3/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.02	1.21
09 29 10 00-0134	LF	1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.28	1.21
09 29 10 00-0135	LF	5/8" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.40	1.21
09 29 10 00-0136	LF	3/4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.49	1.21
09 29 10 00-0137	LF	1" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	6.78	1.21
09 29 10 00-0138	LF	1-1/2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.24	1.21
09 29 10 00-0139	LF	2" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	7.71	1.21
09 29 10 00-0140	LF	3" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	8.96	1.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 10 00-0141	LF	4" x 5/8" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.57	1.21
09 29 10 00-0142	LF	1-1/2" x 1" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	10.48	1.32
09 29 10 00-0143	LF	3/4" x 1 1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	11.97	1.61
09 29 10 00-0144	LF	1-1/2" x 1-1/2" Aluminum Extrusions, Double Fin Wall Reveal For Gypsum Board	12.35	1.61
09 29 10 00-0145	LF	1/2", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	9.49	1.10
09 29 10 00-0146	LF	1 3/16", Aluminum Extrusions, Double Fin Hanging Track Wall Reveal For Gypsum Board	9.04	1.61
09 29 10 00-0147	LF	1/4" Aluminum Extrusions, Double Fin Wall Covering Joiner For Gypsum Board	6.47	1.10

09 29 10 00-0148 Special Conditions Reveals For Gypsum Board *(09 29 10 00-0052)*

09 29 10 00-0149 Radius Conditions *(09 29 10 00-0148)*

09 29 10 00-0150	EA	8' Long Inside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	72.63	
09 29 10 00-0151	EA	8' Long Outside Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	72.63	
09 29 10 00-0152	EA	8' Long Circular / Arched Radius For Gypsum Board Note: Task used in conjunction with "Preformed Architectural Profiles" tasks.	72.63	

09 29 10 00-0153 Knee Brace Kit *(09 29 10 00-0148)*

09 29 10 00-0154	EA	46" H, Aluminum Extrusions, Knee Brace Kit For Gypsum Board	162.66	11.61

09 29 10 00-0155 Wall Bumper Rail *(09 29 10 00-0148)*

09 29 10 00-0156	LF	2-1/2" x 5/8", Aluminum Extrusions, Wall Bumper Rail For Gypsum Board	23.81	4.65

09 29 10 00-0157 Corners For Gypsum Board *(09 29 10 00-0052)*

09 29 10 00-0158	LF	1/2"R, Aluminum Extrusions, Outside Corner For Gypsum Board	5.14	1.12
09 29 10 00-0159	LF	5/8"R, Aluminum Extrusions, Outside Corner For Gypsum Board	5.50	1.21
09 29 10 00-0160	LF	3/4"R, Aluminum Extrusions, Outside Corner For Gypsum Board	6.06	1.26
09 29 10 00-0161	LF	1"R, Aluminum Extrusions, Outside Corner For Gypsum Board	6.74	1.32
09 29 10 00-0162	LF	1-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	8.17	1.61
09 29 10 00-0163	LF	2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	9.44	1.81
09 29 10 00-0164	LF	2-1/2" R, Aluminum Extrusions, Outside Corner For Gypsum Board	11.40	2.08
09 29 10 00-0165	LF	3" R, Aluminum Extrusions, Outside Corner For Gypsum Board	13.82	2.42
09 29 10 00-0166	LF	4" R, Aluminum Extrusions, Outside Corner For Gypsum Board	18.94	3.23
09 29 10 00-0167	LF	90 Degree 3/8" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	5.11	1.08
09 29 10 00-0168	LF	90 Degree 1-1/4" Aluminum Extrusions, Hi-Strength Corner For Gypsum Board	9.18	1.45
09 29 10 00-0169	LF	90 Degree 1-1/4" Aluminum Extrusions, Fabric Tuck Corner For Gypsum Board	6.76	1.45
09 29 10 00-0170	LF	90 Degree 1-1/4" Aluminum Extrusions, Corner With Vertical Reveal For Gypsum Board	11.73	1.45
09 29 10 00-0171	LF	45 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	16.59	1.81
09 29 10 00-0172	LF	60 Degree 2" Aluminum Extrusions, Corner For Gypsum Board	15.95	1.81
09 29 10 00-0173	LF	3/4" Aluminum Extrusions, Chamfered Corner For Gypsum Board	5.11	1.26
09 29 10 00-0174	LF	5/8" R, Aluminum Extrusions, Corners Return For Gypsum Board	5.12	1.21
09 29 10 00-0175	LF	1/2" x 1/2" Aluminum Extrusions, Double Corner Step For Gypsum Board	5.11	1.12
09 29 10 00-0176	LF	5/8" x 5/8" Aluminum Extrusions, Double Corner Step For Gypsum Board	5.38	1.21
09 29 10 00-0177	LF	1" x 1" Aluminum Extrusions, Double Corner Step For Gypsum Board	7.11	1.32
09 29 10 00-0178	LF	1/2" x 1/2" Aluminum Extrusions, Triple Corner Step For Gypsum Board	6.24	1.12
09 29 10 00-0179	LF	5/8" x 5/8" Aluminum Extrusions, Triple Corner Step For Gypsum Board	6.60	1.21
09 29 10 00-0180	LF	1" x 1" Aluminum Extrusions, Triple Corner Step For Gypsum Board	9.50	1.32
09 29 10 00-0181	LF	1/3" x 1/2" Aluminum Extrusions, Quad Corner Step For Gypsum Board	10.31	1.12
09 29 10 00-0182	LF	3" Aluminum Extrusions, Bullnose For Gypsum Board	17.91	2.42
09 29 10 00-0183	LF	3-7/8" Aluminum Extrusions, Bullnose For Gypsum Board	19.08	2.42
09 29 10 00-0184	LF	5-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	35.14	4.03
09 29 10 00-0185	LF	7-3/8", Aluminum Extrusions, Bullnose For Gypsum Board	57.90	5.71
09 29 10 00-0186	LF	3/4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	6.09	1.24
09 29 10 00-0187	LF	1" R, Aluminum Extrusions, Inside Corner For Gypsum Board	6.91	1.30
09 29 10 00-0188	LF	1-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	8.31	1.59
09 29 10 00-0189	LF	2"R, Aluminum Extrusions, Inside Corner For Gypsum Board	10.14	1.78
09 29 10 00-0190	LF	2-1/2" R, Aluminum Extrusions, Inside Corner For Gypsum Board	14.16	2.05
09 29 10 00-0191	LF	3"R, Aluminum Extrusions, Inside Corner For Gypsum Board	15.39	2.39
09 29 10 00-0192	LF	4" R, Aluminum Extrusions, Inside Corner For Gypsum Board	17.66	3.17
09 29 10 00-0193	LF	3-5/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	11.38	2.39
09 29 10 00-0194	LF	3-7/8", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	11.52	2.39
09 29 10 00-0195	LF	4-3/4", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	12.45	2.39
09 29 10 00-0196	LF	5", Aluminum Extrusions, Aluminum Wall Cap For Gypsum Board	12.74	2.39

09 29 82 Gypsum Board Fire Protection *(09 29)*

09 29 82 00-0001 Shaft Wall *(09 29 82)*

See CSI section 09 29 10 00-0036 for finishing drywall.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 29 82 00-0002	SF	3/4" Fire Rated Shaft Wall Assembly	6.21	2.32
		Note: 1/4" thick fiber-cement board with tapered edges over 1/2" thick type "X" gypsum board. Excludes studs or wall structure.		
		For Horizontal Installation Up To 10' High, Add	*1.58*	
		For Horizontal Installation >10' High, Add	*2.33*	
		For Walls >10' High, Add	*0.37*	
		For Up To 128, Add	*2.17*	
		For >128 To 320, Add	*1.32*	
		For >1,536, Deduct	*-0.47*	
09 29 82 00-0003	SF	7/8" Fire Rated Shaft Wall Assembly	7.17	2.78
		Note: 1/4" thick fiber-cement board with tapered edges over 5/8" thick type "X" gypsum board. Excludes studs or wall structure.		
		For Horizontal Installation Up To 10' High, Add	*1.90*	
		For Horizontal Installation >10' High, Add	*2.79*	
		For Walls >10' High, Add	*0.45*	
		For Up To 128, Add	*2.55*	
		For >128 To 320, Add	*1.55*	
		For >1,536, Deduct	*-0.52*	
09 29 82 00-0004	SF	2-1/2", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	5.72	1.79
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*1.22*	
		For Horizontal Installation >10' High, Add	*1.79*	
		For Walls >10' High, Add	*0.29*	
		For Up To 128, Add	*1.86*	
		For >128 To 320, Add	*1.11*	
		For Glass Mat Surfaces, Add	*0.24*	
09 29 82 00-0005	SF	4", 25 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	6.09	1.88
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*1.28*	
		For Horizontal Installation >10' High, Add	*1.88*	
		For Walls >10' High, Add	*0.30*	
		For Up To 128, Add	*1.97*	
		For >128 To 320, Add	*1.17*	
		For Glass Mat Surfaces, Add	*0.24*	
09 29 82 00-0006	SF	2-1/2", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	6.63	1.88
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*1.28*	
		For Horizontal Installation >10' High, Add	*1.88*	
		For Walls >10' High, Add	*0.30*	
		For Up To 128, Add	*2.08*	
		For >128 To 320, Add	*1.23*	
		For Glass Mat Surfaces, Add	*0.24*	
09 29 82 00-0007	SF	4", 20 Gauge C-H Stud/J-Runner, 1" Gypsum Liner Panel Shaft Wall Assembly	7.04	1.97
		Note: Includes sealant installed at top of wall and panel gaps. Excludes additional gypsum panels and finishing.		
		For Horizontal Installation Up To 10' High, Add	*1.34*	
		For Horizontal Installation >10' High, Add	*1.97*	
		For Walls >10' High, Add	*0.32*	
		For Up To 128, Add	*2.20*	
		For >128 To 320, Add	*1.30*	
		For Glass Mat Surfaces, Add	*0.24*	

09 30 Tiling *(09)*

Note: All tiles are standard grade ANSI 137.1 or higher, mounted and unmounted, cushioned or non-cushioned edge, all tile colors, all grout colors, PEI rating 1 through 4, and include patterns. Glazing shall meet ASTM C484 and C424. Mounted tiles are assembled into sheets to facilitate handling and installation. Perforated paper, fiber mesh, or other suitable bonding material applied to the front, backs or edges of the tile can be used to mount the tiles. Cushioned edge tile has facial edges with a distinct curvature that results in a slightly recessed joint. All floor, wall, ceiling, cove base and trim tile will be installed in accordance with ANSI 108.1 using these setting methods. Includes initial wax and seal.

09 30 13 Ceramic Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 13 00-0001 Ceramic Tiling *(09 30 13)*

09 30 13 00-0002	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Floor Tile	11.86	2.41
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*6.58*	
		For >50 To 250, Add	*0.96*	
		For >1,000, Deduct	*-0.48*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*0.92*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.03*	
09 30 13 00-0003	SF	Less Than 8" x 8", Mounted, Floor Tile	11.78	2.41
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*6.56*	
		For >50 To 250, Add	*0.96*	
		For >1,000, Deduct	*-0.48*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*0.92*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 13 00-0004	SF	8" x 8" And Larger Unmounted Floor Tile	12.98	1.51
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*7.76*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.21*	
09 30 13 00-0005	SF	2" x 2" x 1/4" Thick, Mounted, Unpolished Ceramic Wall Tile	12.88	2.92
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*7.60*	
		For >50 To 250, Add	*1.17*	
		For >1,000, Deduct	*-0.58*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.08*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.19*	
09 30 13 00-0006	SF	Less than 8" x 8" Mounted Wall Tile	12.80	2.92
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*7.58*	
		For >50 To 250, Add	*1.17*	
		For >1,000, Deduct	*-0.58*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.08*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.19*	
09 30 13 00-0007	SF	8" x 8" And Larger Unmounted Wall Tile	14.35	1.85
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For Up To 50, Add	*9.13*	
		For >50 To 250, Add	*1.48*	
		For >1,000, Deduct	*-0.74*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.31*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.42*	
09 30 13 00-0008	SF	Less than 8" x 8" Mounted Ceiling Tile	17.09	5.06
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.72*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.83*	
		For Up To 50, Add	*11.87*	
		For >50 To 250, Add	*2.03*	
		For >1,000, Deduct	*-1.01*	
09 30 13 00-0009	SF	8" x 8" And Larger Unmounted Ceiling Tile	19.12	3.03
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*2.02*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*2.13*	
		For Up To 50, Add	*13.90*	
		For >50 To 250, Add	*2.43*	
		For >1,000, Deduct	*-1.22*	
09 30 13 00-0010	LF	4-1/4" To 4-1/2" High, Cove Base Or Trim	10.16	2.11
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles.		
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.37*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.42*	
09 30 13 00-0011	LF	6" High x 12" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	14.64	2.11
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.37*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.42*	
09 30 13 00-0012	LF	6" High x 24" Long, Unpolished Ceramic Cove Base (Daltile Portfolio)	16.32	2.11
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.37*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.42*	
09 30 13 00-0013	EA	6" High, Unpolished Ceramic Cove Base Outer Corner	12.19	0.46

09 30 13 00-0014 Residential Ceramic Tiling *(09 30 13)*

09 30 13 00-0015	SF	Mounted Floor Tile, Residential Grade	9.21	2.41
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*5.92*	
		For >50 To 250, Add	*0.96*	
		For >1,000, Deduct	*-0.48*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*0.92*	
09 30 13 00-0016	SF	Mounted Wall Tile, Residential Grade	10.23	2.92
		Note: Includes glazed porcelain, unglazed porcelain and glazed ceramic tiles. Tiles mounted from back, side or front in 12" x 12", 12" x 24", or similar sized sheets.		
		For Up To 50, Add	*6.94*	
		For >50 To 250, Add	*1.17*	
		For >1,000, Deduct	*-0.58*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.08*	
09 30 13 00-0017	SF	2" x 2" x 1/4" Thick, Unpolished Ceramic Mounted Floor Tile, Residential Grade	8.60	2.41
		Note: Tiles mounted from back, side or front in 12" x 12", 12" x 24", 12" x 48", or similar sized sheets.		
		For Up To 50, Add	*5.77*	
		For >50 To 250, Add	*0.96*	
		For >1,000, Deduct	*-0.48*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*0.92*	

09 30 16 Quarry Tiling *(09 30)*

Note: Includes grout and sealing. Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 16 00-0001	SF	Unglazed Quarry Floor Tile	9.76	1.70
		Note: With or without embedded abrasive grit.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		For Up To 50, Add	*7.50*	
		For >50 To 250, Add	*1.35*	
		For >1,000, Deduct	*-0.68*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.21*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.32*	
09 30 16 00-0002	SF	Glazed Quarry Floor Tile	19.05	1.70
		For Up To 50, Add	*9.83*	
		For >50 To 250, Add	*1.35*	
		For >1,000, Deduct	*-0.68*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.21*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.32*	
09 30 16 00-0003	SF	Unglazed Quarry Wall Tile	11.11	2.01
		Note: With or without embedded abrasive grit.		
		For Up To 50, Add	*8.85*	
		For >50 To 250, Add	*1.62*	
		For >1,000, Deduct	*-0.81*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.42*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.53*	
09 30 16 00-0004	SF	Glazed Quarry Wall Tile	20.40	2.01
		For Up To 50, Add	*11.18*	
		For >50 To 250, Add	*1.62*	
		For >1,000, Deduct	*-0.81*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.42*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.53*	
09 30 16 00-0005	LF	6" High Unglazed Quarry Tile Cove Base Or Trim	13.60	2.23
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.44*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.49*	
09 30 16 00-0006	LF	6" High Glazed Quarry Tile Cove Base Or Trim	28.83	2.23
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.44*	
		For High-Modulus, Low-Viscosity, High-Strength Chemical Resistant Epoxy Grout, Add	*1.49*	

09 30 23 Glass Mosaic Tiling *(09 30)*

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 23 00-0001	SF	Unmounted Glass Tile	22.11	1.85

09 30 33 Stone Tiling *(09 30)*

Note: Excludes setting method. See CSI section 09 31 00 00-0000 for thin-set, 09 32 00 00-0000 for mortar-bed, 09 35 00 00-0000 for chemical-resistant.

09 30 33 00-0001 Marble Floor Tile *(09 30 33)*

09 30 33 00-0002	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cherry Blossom"	10.76	1.51
		For Up To 50, Add	*7.21*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0003	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Laurent Brown"	11.20	1.51
		For Up To 50, Add	*7.32*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0004	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Temple Gray"	11.44	1.51
		For Up To 50, Add	*7.38*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0005	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Cafe"	11.54	1.51
		For Up To 50, Add	*7.40*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0006	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "China Black"	11.61	1.51
		For Up To 50, Add	*7.42*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0007	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Sea Grass Honed"	11.71	1.51
		For Up To 50, Add	*7.44*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0008	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Gris Magma or Gris Nebula"	11.95	1.51
		For Up To 50, Add	*7.50*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0009	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Dark Green"	13.49	1.51
		For Up To 50, Add	*7.89*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0010	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cappuccino Light"	13.66	1.51
		For Up To 50, Add	*7.93*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0011	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Cream"	13.98	1.51
		For Up To 50, Add	*8.01*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0012	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Classic"	14.33	1.51
		For Up To 50, Add	*8.10*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0013	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato Carrara"	14.59	1.51
		For Up To 50, Add	*8.16*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0014	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Giallo Crystal Onyx"	15.44	1.51
		For Up To 50, Add	*8.38*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0015	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Cafe Forest or Rain Forest"	17.03	1.51
		For Up To 50, Add	*8.77*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0016	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Arabescato"	17.13	1.51
		For Up To 50, Add	*8.80*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0017	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Carrara White"	18.31	1.51
		For Up To 50, Add	*9.09*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0018	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Select Or Sahara Gold"	18.72	1.51
		For Up To 50, Add	*9.20*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0019	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Botticino Fiorito Or Michelangelo"	18.89	1.51
		For Up To 50, Add	*9.24*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0020	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Crema Marfil Antique"	19.16	1.51
		For Up To 50, Add	*9.31*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0021	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Dark Or Super Thassos Glass"	21.36	1.51
		For Up To 50, Add	*9.86*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0022	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rosa Verona"	22.61	1.51
		For Up To 50, Add	*10.17*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0023	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Rojo Alicante"	22.95	1.51
		For Up To 50, Add	*10.25*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0024	SF	12" x 12" x 3/8" And Larger Unmounted Marble Floor Tile, "Emperador Light"	23.12	1.51
		For Up To 50, Add	*10.30*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0025		**Granite Floor Tile** *(09 30 33)*		
09 30 33 00-0026	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Crystal Gray"	9.58	1.51
		For Up To 50, Add	*6.91*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0027	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Peach Flower"	10.42	1.51
		For Up To 50, Add	*7.12*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0028	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Golden Yellow"	11.10	1.51
		For Up To 50, Add	*7.29*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0029	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Absolute Black"	13.81	1.51
		For Up To 50, Add	*7.97*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0030	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tan Brown"	14.33	1.51
		For Up To 50, Add	*8.10*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0031	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Black Galaxy"	14.83	1.51
		For Up To 50, Add	*8.22*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0032	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Kashmir White Or Gold"	15.33	1.51
		For Up To 50, Add	*8.35*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0033	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Giallo Santa Cecelia"	15.94	1.51
		For Up To 50, Add	*8.50*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0034	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Verde UbaTuba"	16.52	1.51
		For Up To 50, Add	*8.65*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0035	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "New Venetian Gold"	17.13	1.51
		For Up To 50, Add	*8.80*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0036	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Tropic Brown"	17.70	1.51
		For Up To 50, Add	*8.94*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0037	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Baltic Brown Or Indian Dakota"	18.38	1.51
		For Up To 50, Add	*9.11*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0038	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Dynamic Blue"	19.06	1.51
		For Up To 50, Add	*9.28*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0039	SF	12" x 12" x 3/8" And Larger Unmounted Granite Floor Tile, "Blue Pearl Or Emerald Pearl"	21.43	1.51
		For Up To 50, Add	*9.87*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0040 Slate Floor Tile *(09 30 33)*

09 30 33 00-0041	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Raja Classic"	8.56	1.51
		For Up To 50, Add	*6.66*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0042	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Rustic Gold"	9.00	1.51
		For Up To 50, Add	*6.77*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0043	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "California Gold Or Black Rust"	9.24	1.51
		For Up To 50, Add	*6.83*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0044	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Indian Autumn"	9.24	1.51
		For Up To 50, Add	*6.83*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0045	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "China Multi, Earth, Or Autumn Blend"	9.41	1.51
		For Up To 50, Add	*6.87*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0046	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Lilac Kashmir Or Madras Yellow"	9.92	1.51
		For Up To 50, Add	*7.00*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0047	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Montauk Blue, Copper Quartzite, Montauk Black, San Rio Rustic, Or Gold Green Quartzite"	10.42	1.51
		For Up To 50, Add	*7.12*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0048	SF	12" x 12" And Larger Unmounted Slate Floor Tile, "Ocean Green Quartzite Or Golden White Quartzite"	10.59	1.51
		For Up To 50, Add	*7.16*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0049 Travertine Floor Tile *(09 30 33)*

09 30 33 00-0050	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Noce Rustic"	10.42	1.51
		For Up To 50, Add	*7.12*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0051	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Denizli Beige Or Oasis Walnut"	10.93	1.51
		For Up To 50, Add	*7.25*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 30 33 00-0052	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Gold"	11.27	1.51
		For Up To 50, Add	*7.33*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0053	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Navona Light - Ivory"	11.78	1.51
		For Up To 50, Add	*7.46*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0054	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Oasis Noce"	11.95	1.51
		For Up To 50, Add	*7.50*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0055	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Antique"	12.12	1.51
		For Up To 50, Add	*7.55*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0056	SF	12" x 12" x 3/8" And Larger Unmounted Travertine Floor Tile, "Durango Cream"	13.74	1.51
		For Up To 50, Add	*7.95*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 30 33 00-0057 Limestone Floor Tile *(09 30 33)*

09 30 33 00-0058	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Isis Gold"	13.64	1.51
		For Up To 50, Add	*7.93*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0059	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Tiara Beige"	14.15	1.51
		For Up To 50, Add	*8.05*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0060	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Halila Cream"	16.79	1.51
		For Up To 50, Add	*8.71*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0061	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Ramon Gold"	18.38	1.51
		For Up To 50, Add	*9.11*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0062	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Chestnut Brown Or Jersusalem Bone"	18.38	1.51
		For Up To 50, Add	*9.11*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0063	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Lagos Blue"	18.89	1.51
		For Up To 50, Add	*9.24*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	
09 30 33 00-0064	SF	12" x 12" And Larger Unmounted Limestone Floor Tile, "Jura Gray"	20.75	1.51
		For Up To 50, Add	*9.70*	
		For >50 To 250, Add	*1.20*	
		For >1,000, Deduct	*-0.60*	
		For High-Modulus, High-Strength Epoxy Grout, Add	*1.10*	
		For Heavy Duty Floors With A PEI 5 Rating, Add	*1.00*	

09 31 Thin-Set Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 31 13 Thin-Set Ceramic Tiling *(09 31)*

09 31 13 00-0001 Thin-Set Ceramic Tiling *(09 31 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 31 13 00-0002	SF	Thin Set - Latex Portland Cement Mortar	1.51	0.80
		For Up To 50, Add	*1.29*	
		For >50 To 250, Add	*0.24*	
		For >1,000, Deduct	*-0.12*	
09 31 13 00-0003	SF	Clean And Scarify Existing Tile For Installation Of New Tile Over Existing	0.77	
		For Up To 50, Add	*0.77*	
		For >50 To 250, Add	*0.15*	
		For >1,000, Deduct	*-0.08*	

09 32 Mortar-Bed Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 32 13 Mortar-Bed Ceramic Tiling *(09 32)*

09 32 13 00-0001 Mortar-Bed Ceramic Tiling *(09 32 13)*

09 32 13 00-0002	SF	3/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For residential floors. Includes 15 LB felt and wire reinforcement.	3.69	1.61
		For Up To 50, Add	*2.73*	
		For >50 To 250, Add	*0.48*	
		For >1,000, Deduct	*-0.24*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0003	SF	1-1/4" Minimum Thickness Portland Cement Mortar Setting Bed Note: For commercial floors. Includes 15 LB felt and wire reinforcement.	5.26	2.14
		For Up To 50, Add	*3.73*	
		For >50 To 250, Add	*0.64*	
		For >1,000, Deduct	*-0.32*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
09 32 13 00-0004	SF	3/4" Portland Cement Plaster Scratch Coat for Walls Note: Includes 15 LB felt and expanded metal lath.	11.25	4.82
		For Up To 50, Add	*10.04*	
		For >50 To 250, Add	*1.93*	
		For >1,000, Deduct	*-0.96*	
		For Exterior Installation (Galvanized Reinforcement), Add	*0.15*	
		For Installation Without Felt And Metal Lath, Deduct	*-1.93*	

09 34 Waterproofing-Membrane Tiling *(09 30)*

09 34 00 00-0001 Bonded Waterproofing System for Tiled Showers, Steam Showers, and Bathtub Surrounds *(09 34)*

09 34 00 00-0002 Prefabricated Assemblies For Tiled Showers (Schluter® KERDI Shower ST) *(09 34 00 00-0001)*

Note: For creating a watertight sloped shower assembly without a mortar bed. Includes a prefabricated polystyrene foam shower tray, 6" x 4-1/2" prefabricated polystyrene foam shower curb, waterproofing membrane for shower tray and surround, and center shower drain. Excludes tile, mortar, grout and shower accessories.

09 34 00 00-0003	EA	48" x 48", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	948.64
09 34 00 00-0004	EA	32" x 60", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,091.63
09 34 00 00-0005	EA	72" x 72", Prefabricated Assembly For Tiled Showers (Schluter® KERDI Shower ST/SC)	1,605.49

09 34 00 00-0006 Prefabricated Polystyrene Shower Curbs And Ramps *(09 34 00 00-0001)*

Note: Prefabricated shower curbs and ramps for tiling over. Excludes tile.

09 34 00 00-0007	EA	15-7/8" Width, 48" Length, Prefabricated Polystyrene Shower Ramp (Schluter® SR-122)	115.30
09 34 00 00-0008	EA	4-1/2" Width, 6" Height, 48" Length, Prefabricated Polystyrene Shower Curb (Schluter® SC-122)	109.09

09 34 00 00-0009 Prefabricated Polystyrene Shower Benches *(09 34 00 00-0001)*

Note: Prefabricated shower bench for tiling over. Excludes tile.

09 34 00 00-0010	EA	16" Width, 16" Depth, 20" Height, Triangular Prefabricated Polystyrene Shower Bench (Schluter® SB41)	227.88
09 34 00 00-0011	EA	32" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB4181)	453.78
09 34 00 00-0012	EA	48" Width, 16" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB41122)	559.21
09 34 00 00-0013	EA	32" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB2981)	408.60
09 34 00 00-0014	EA	42" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29107)	453.78
09 34 00 00-0015	EA	48" Width, 11-1/2" Depth, 20" Height, Rectangular Prefabricated Polystyrene Shower Bench (Schluter® SB29122)	483.91

09 34 00 00-0016 Prefabricated Polystyrene Shower Tray *(09 34 00 00-0001)*

Note: Prefabricated shower tray for tiling over. Excludes tile.

09 34 00 00-0017	EA	32" x 60", Prefabricated Polystyrene Shower Tray (Schluter® ST-81/152)	198.13
09 34 00 00-0018	EA	48" x 48", Prefabricated Polystyrene Shower Tray (Schluter® ST-122)	198.13
09 34 00 00-0019	EA	72" x 72", Prefabricated Polystyrene Shower Tray (Schluter® ST-183)	303.55

09 34 00 00-0020 Waterproofing, Uncoupling And Vapor Management Membranes (Schluter® DITRA) *(09 34 00 00-0001)*

09 34 00 00-0021	SF	1/8" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA)	3.53
09 34 00 00-0022	SF	5/16" Thick, High-Density Polyethylene Membrane With Grid Structure And Underside Anchoring Fleece, Waterproofing, Uncoupling And Vapor Management Membrane (Schluter® DITRA-XL)	4.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 34 00 00-0023		Bonded Waterproof Underlayment Membranes (Schluter® KERDI) *(09 34 00 00-0001)*		
09 34 00 00-0024	SF	0.008" Polyethylene Membrane With Polypropylene Fleece Laminated On Both Sides, Bonded Waterproof Underlayment Membrane (Schluter® KERDI 200/5M)	3.12	

09 35 Chemical-Resistant Tiling *(09 30)*

Note: Tile setting methods in this section are used with ceramic or quarry tile materials as applicable, for a complete installation.

09 35 13 Chemical-Resistant Ceramic Tiling *(09 35)*

09 35 13 00-0001		Chemical-Resistant Ceramic Tiling *(09 35 13)*		
09 35 13 00-0002	SF	Thin Set - Epoxy Mortar	4.14	1.06
		Note: Impact and chemical resistant.		
		For Up To 50, Add	*2.24*	
		For >50 To 250, Add	*0.32*	
		For >1,000, Deduct	*-0.16*	

09 39 Tiling Transitions *(09 30)*

09 39 00 00-0001		Tile Waterproofing And Crack Prevention *(09 39)*		
09 39 00 00-0002	CSF	30 Mil Waterproofing And Crack Prevention Membrane; RedGard	92.49	
09 39 00 00-0003		Waterproof Strip Membranes (Schluter® KERDI) *(09 39)*		
09 39 00 00-0004	LF	5" Wide, 4 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI BAND)	3.97	
09 39 00 00-0005	LF	10" Wide, 12 mil Polyethylene Waterproof Strip Membrane (Schluter® KERDI FLEX)	7.98	
09 39 00 00-0006		Coved Shaped Transition Profiles For Floor To Wall For Tile *(09 39)*		
09 39 00 00-0007	LF	5/16" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	5.25	
09 39 00 00-0008	LF	3/8" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	5.24	
09 39 00 00-0009	LF	1/2" Height, Satin Anodized Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-AHK)	5.42	
09 39 00 00-0010	LF	5/16" Height, PVC Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	5.00	
09 39 00 00-0011	LF	3/8" Height, Aluminum Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-PHK)	5.19	
09 39 00 00-0012		Coved Shaped Inside Edge Protection And Transition Profiles For Wall To Wall For Tile *(09 39)*		
09 39 00 00-0013	LF	9/32" x 9/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	10.57	
09 39 00 00-0014	LF	11/32" x 11/32" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	10.86	
09 39 00 00-0015	LF	7/16" x 7/16" Height, Stainless Steel Cove Shaped Transition Profile Trim For Tile (Schluter® Dilex-EHK)	11.19	
09 39 00 00-0016		Tile Substrate (Schluter® KERDI BOARD) *(09 39)*		
09 39 00 00-0017	SF	1/2" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	6.35	0.65
09 39 00 00-0018	SF	5/8" Tile Substrate And Building Panel (Schluter® KERDI BOARD)	7.14	0.75
09 39 00 00-0019		Floor Edge Protection And Transition Profiles For Tile *(09 39)*		
09 39 00 00-0020	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.86	
09 39 00 00-0021	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	2.93	
09 39 00 00-0022	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.02	
09 39 00 00-0023	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE)	3.16	
09 39 00 00-0024	LF	1/4" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.71	
09 39 00 00-0025	LF	5/16" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.82	
09 39 00 00-0026	LF	3/8" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.90	
09 39 00 00-0027	LF	1/2" Height, Curved Aluminum Edge Protection Trim For Tile (Schluter® SCHIENE-RADIUS)	3.98	
09 39 00 00-0028	LF	9/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	2.98	
09 39 00 00-0029	LF	1" Height, Aluminum Transition Trim For Tile (Schluter® RENO-T)	3.98	
09 39 00 00-0030	LF	1/4" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.73	
09 39 00 00-0031	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	3.91	
09 39 00 00-0032	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	4.09	
09 39 00 00-0033	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-TK)	4.89	
09 39 00 00-0034	LF	5/16" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	3.85	
09 39 00 00-0035	LF	3/8" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	4.03	
09 39 00 00-0036	LF	1/2" Height, Aluminum Transition Trim For Tile (Schluter® RENO-U)	4.83	
09 39 00 00-0037		Outside Wall Edge Protection And Transition Profiles For Tile *(09 39)*		
09 39 00 00-0038	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	3.83	
09 39 00 00-0039	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	4.02	
09 39 00 00-0040	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	4.30	
09 39 00 00-0041	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® QUADEC)	4.58	
09 39 00 00-0042	LF	1/4" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.21	
09 39 00 00-0043	LF	5/16" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.57	
09 39 00 00-0044	LF	3/8" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	4.92	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 39 00 00-0045	LF	1/2" Height, Aluminum Edge Protection Trim For Tile (Schluter® RONDEC)	5.55	

09 50 Ceilings *(09)*

Note: Includes cutting for area around columns, speakers, sprinklers, diffusers, etc.

09 51 Acoustical Ceilings *(09 50)*

Note: Excludes suspension system. See CSI section 09 53 00 00-0000 for suspension systems.

09 51 13 Acoustical Panel Ceilings *(09 51)*

Note: Includes cutting around sprinkler heads, speakers, or other penetrations through the ceiling.

09 51 13 00-0001 Fiberglass Panels *(09 51 13)*

09 51 13 00-0002 Fiberglass Acoustical Panels *(09 51 13 00-0001)*

09 51 13 00-0003	SF	2' x 2' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	5.47	0.37
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.76*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-4.41*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0004	SF	2' x 4' x 3/4" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	5.66	0.37
		For Up To 50, Add	*1.27*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-4.60*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0005	SF	2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	6.03	0.37
		For Up To 50, Add	*1.33*	
		For >50 To 200, Add	*0.82*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.82*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-4.97*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0006	SF	2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Optima®)	5.99	0.37
		For Up To 50, Add	*1.32*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-4.93*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0007	SF	2' x 2' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.95	0.37
		For Up To 50, Add	*2.07*	
		For >50 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*1.31*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-9.89*	
		For Ceilings >10' High, Add	*0.08*	
09 51 13 00-0008	SF	2' x 4' x 1" Thick, Fiberglass Acoustical Ceiling Panel (Armstrong Lyra™)	10.95	0.37
		For Up To 50, Add	*2.07*	
		For >50 To 200, Add	*1.31*	
		For >200 To 500, Add	*0.60*	
		For >2,500 To 4,000, Deduct	*-0.22*	
		For >4,000 To 5,000, Deduct	*-0.35*	
		For >5,000, Deduct	*-0.50*	
		For Individual Room Quantities <495, Add	*1.31*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-9.89*	
		For Ceilings >10' High, Add	*0.08*	

09 51 13 00-0009 Mineral Fiber Panels *(09 51 13)*

09 51 13 00-0010 Mineral Fiber Acoustical Ceiling Panels *(09 51 13 00-0009)*

Note: Includes square or tegular edge and class A fire rating.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0011	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.40	0.37
		For Up To 50, Add	*0.84*	
		For >50 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.18*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.17*	
		For Individual Room Quantities <495, Add	*0.48*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0012	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fissured)	2.21	0.37
		For Up To 50, Add	*0.82*	
		For >50 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.16*	
		For Individual Room Quantities <495, Add	*0.46*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0013	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	2.69	0.37
		For Up To 50, Add	*0.89*	
		For >50 To 200, Add	*0.51*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.51*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0014	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Georgian™)	2.60	0.37
		For Up To 50, Add	*0.87*	
		For >50 To 200, Add	*0.50*	
		For >200 To 500, Add	*0.19*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.18*	
		For Individual Room Quantities <495, Add	*0.50*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0015	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	4.07	0.37
		For Up To 50, Add	*1.09*	
		For >50 To 200, Add	*0.65*	
		For >200 To 500, Add	*0.26*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.24*	
		For Individual Room Quantities <495, Add	*0.65*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0016	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Dune)	3.21	0.37
		For Up To 50, Add	*0.97*	
		For >50 To 200, Add	*0.56*	
		For >200 To 500, Add	*0.22*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.20*	
		For Individual Room Quantities <495, Add	*0.56*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0017	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.43	0.37
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.59*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.13*	
		For >5,000, Deduct	*-0.21*	
		For Individual Room Quantities <495, Add	*0.59*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0018	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Fine Fissured)	3.04	0.37
		For Up To 50, Add	*0.94*	
		For >50 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.19*	
		For Individual Room Quantities <495, Add	*0.55*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0019	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.45	0.37
		For Up To 50, Add	*1.15*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0020	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima®)	4.43	0.37
		For Up To 50, Add	*1.15*	
		For >50 To 200, Add	*0.69*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.25*	
		For Individual Room Quantities <495, Add	*0.69*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0021	SF	2' x 2' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	5.97	0.37
		For Up To 50, Add	*1.38*	
		For >50 To 200, Add	*0.84*	
		For >200 To 500, Add	*0.36*	
		For >2,500 To 4,000, Deduct	*-0.13*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.84*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0022	SF	2' x 4' x 3/4" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong Ultima Health Zone™/High Washability)	6.56	0.37
		For Up To 50, Add	*1.47*	
		For >50 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.39*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.22*	
		For >5,000, Deduct	*-0.34*	
		For Individual Room Quantities <495, Add	*0.90*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0023	SF	2' x 2' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	5.71	0.37
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0024	SF	2' x 4' x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (Armstrong VL Perforated)	5.68	0.37
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.81*	
		For >200 To 500, Add	*0.34*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.30*	
		For Individual Room Quantities <495, Add	*0.81*	
		Note: For use with projects >500 SF		
		For Vertical Application, Add	*0.54*	
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0025	SF	20" x 60" x 5/8" Thick, Square Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2617)	2.50	0.37
		For Ceilings >10' High, Add	*0.09*	
09 51 13 00-0026	SF	20" x 60" x 5/8" Thick, Tapered Edge, Mineral Fiber Acoustical Ceiling Panel (USG Radar™2627)	2.77	0.37
		For Ceilings >10' High, Add	*0.09*	

09 51 13 00-0027 Wood Fiber Panels *(09 51 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0028	SF	2' x 2' x 1/2" Wood Fiber Acoustical Ceiling Panels	4.52	0.55
		For Up To 50, Add	*1.34*	
		For >50 To 200, Add	*0.78*	
		For >200 To 500, Add	*0.31*	
		For >2,500 To 4,000, Deduct	*-0.10*	
		For >4,000 To 5,000, Deduct	*-0.17*	
		For >5,000, Deduct	*-0.28*	
		For Individual Room Quantities <495, Add	*0.78*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-2.86*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0029	SF	2' x 4' x 1/2" Wood Fiber Acoustical Ceiling Panels	4.34	0.55
		For Up To 50, Add	*1.24*	
		For >50 To 200, Add	*0.73*	
		For >200 To 500, Add	*0.29*	
		For >2,500 To 4,000, Deduct	*-0.09*	
		For >4,000 To 5,000, Deduct	*-0.16*	
		For >5,000, Deduct	*-0.26*	
		For Individual Room Quantities <495, Add	*0.73*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-2.86*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0030	SF	2' x 2' x 5/8" Wood Fiber Acoustical Ceiling Panels	5.79	0.55
		For Up To 50, Add	*1.53*	
		For >50 To 200, Add	*0.91*	
		For >200 To 500, Add	*0.37*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.21*	
		For >5,000, Deduct	*-0.33*	
		For Individual Room Quantities <495, Add	*0.91*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-4.13*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0031	SF	2' x 4' x 5/8" Wood Fiber Acoustical Ceiling Panels	5.61	0.55
		For Up To 50, Add	*1.43*	
		For >50 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.12*	
		For >4,000 To 5,000, Deduct	*-0.20*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.86*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-4.13*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0032	SF	2' x 2' x 3/4" Wood Fiber Acoustical Ceiling Panels	7.02	0.55
		For Up To 50, Add	*1.72*	
		For >50 To 200, Add	*1.03*	
		For >200 To 500, Add	*0.43*	
		For >2,500 To 4,000, Deduct	*-0.15*	
		For >4,000 To 5,000, Deduct	*-0.24*	
		For >5,000, Deduct	*-0.38*	
		For Individual Room Quantities <495, Add	*1.03*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-5.36*	
		For Ceilings >10' High, Add	*0.12*	
09 51 13 00-0033	SF	2' x 4' x 3/4" Wood Fiber Acoustical Ceiling Panels	6.84	0.55
		For Up To 50, Add	*1.62*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.42*	
		For >2,500 To 4,000, Deduct	*-0.14*	
		For >4,000 To 5,000, Deduct	*-0.23*	
		For >5,000, Deduct	*-0.36*	
		For Individual Room Quantities <495, Add	*0.98*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-5.36*	
		For Ceilings >10' High, Add	*0.11*	
09 51 13 00-0034	SF	2' x 2' x 1" Wood Fiber Acoustical Ceiling Panels	5.26	0.55
		For Up To 50, Add	*1.45*	
		For >50 To 200, Add	*0.86*	
		For >200 To 500, Add	*0.35*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.19*	
		For >5,000, Deduct	*-0.31*	
		For Individual Room Quantities <495, Add	*0.86*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-3.60*	
		For Ceilings >10' High, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 13 00-0035	SF	2' x 4' x 1" Wood Fiber Acoustical Ceiling Panels	5.08	0.55
		For Up To 50, Add	*1.35*	
		For >50 To 200, Add	*0.80*	
		For >200 To 500, Add	*0.33*	
		For >2,500 To 4,000, Deduct	*-0.11*	
		For >4,000 To 5,000, Deduct	*-0.18*	
		For >5,000, Deduct	*-0.29*	
		For Individual Room Quantities <495, Add	*0.80*	
		Note: For use with projects >500 SF		
		For Owner Furnished Material, Deduct	*-3.60*	
		For Ceilings >10' High, Add	*0.11*	

09 51 13 00-0036 Removal And Reinstallation Of Acoustical Ceiling Panels *(09 51 13)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 51 13 00-0037	SF	Removal And Reinstallation Of Acoustical Panels Only	0.90	
		For Up To 50, Add	*0.50*	
		For >50 To 200, Add	*0.27*	
		For >200 To 500, Add	*0.09*	
		For >2,500 To 4,000, Deduct	*-0.02*	
		For >4,000 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.09*	
		For Ceilings >10' High, Add	*0.07*	

09 51 23 Acoustical Tile Ceilings *(09 51)*

Note: Includes fastening with staples and/or adhesive.

09 51 23 00-0001 Mineral Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0002	SF	12" x 12" x 1/2" Tongue And Groove Mineral Fiber Acoustical Ceiling Tile	4.37	1.02
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.58*	
		For >50 To 200, Add	*0.90*	
		For >200 To 500, Add	*0.33*	
		For >2,500, Deduct	*-0.22*	
		For Ceilings >10' High, Add	*0.17*	
09 51 23 00-0003	SF	12" x 12" x 5/8" Spline Mineral Fiber Acoustical Ceiling Tile	5.14	1.02
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.70*	
		For >50 To 200, Add	*0.98*	
		For >200 To 500, Add	*0.37*	
		For >2,500, Deduct	*-0.26*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.33*	
		For Ceilings >10' High, Add	*0.17*	
09 51 23 00-0004	SF	12" x 12" x 3/4" Spline Mineral Fiber Acoustical Ceiling Tile	5.76	1.02
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.79*	
		For >50 To 200, Add	*1.04*	
		For >200 To 500, Add	*0.40*	
		For >2,500, Deduct	*-0.29*	
		For Placing Tiles In Suspended Ceiling System, Deduct	*-0.33*	
		For Ceilings >10' High, Add	*0.17*	

09 51 23 00-0005 Wood Fiber Acoustical Tile Ceilings *(09 51 23)*

09 51 23 00-0006	SF	12" x 12" x 1/2" Staple Flange Wood Fiber Acoustical Ceiling Tile	4.05	1.02
		For Furring 1 x 3 Strips 12" On Center, Add	*0.50*	
		For Up To 50, Add	*1.54*	
		For >50 To 200, Add	*0.87*	
		For >200 To 500, Add	*0.32*	
		For >2,500, Deduct	*-0.20*	
		For Ceilings >10' High, Add	*0.17*	

09 51 33 Acoustical Metal Pan Ceilings *(09 51)*

09 51 33 13 Acoustical Snap-in Metal Pan Ceilings *(09 51 33)*

09 51 33 13-0001 Galvanized Steel, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*

09 51 33 13-0002	SF	24" x 24", Unperforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	15.13	0.82
09 51 33 13-0003	SF	24" x 24", Perforated, Tamper-Resistant, 18 Gauge, Galvanized Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ SecureLock™)	16.17	0.82

09 51 33 13-0004 Aluminum, Acoustical Snap-In Metal Ceiling Panels *(09 51 33 13)*

09 51 33 13-0005	SF	24" x 24", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.35	0.93
09 51 33 13-0006	SF	24" x 24", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.11	0.93
09 51 33 13-0007	SF	24" x 24", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	37.20	0.93
09 51 33 13-0008	SF	24" x 24", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.96	0.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 13-0009	SF	24" x 24", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.97	0.93
09 51 33 13-0010	SF	24" x 24", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	18.63	0.93
09 51 33 13-0011	SF	24" x 24", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	36.93	0.93
09 51 33 13-0012	SF	24" x 24", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.82	0.93
09 51 33 13-0013	SF	30" x 30", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	15.37	0.93
09 51 33 13-0014	SF	30" x 30", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.15	0.93
09 51 33 13-0015	SF	30" x 30", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	41.02	0.93
09 51 33 13-0016	SF	30" x 30", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.94	0.93
09 51 33 13-0017	SF	30" x 30", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.27	0.93
09 51 33 13-0018	SF	30" x 30", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.64	0.93
09 51 33 13-0019	SF	30" x 30", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	42.40	0.93
09 51 33 13-0020	SF	30" x 30", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.43	0.93
09 51 33 13-0021	SF	12" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	13.91	0.93
09 51 33 13-0022	SF	12" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.65	0.93
09 51 33 13-0023	SF	12" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	40.12	0.93
09 51 33 13-0024	SF	12" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.46	0.93
09 51 33 13-0025	SF	12" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.95	0.93
09 51 33 13-0026	SF	12" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	22.92	0.93
09 51 33 13-0027	SF	12" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	41.57	0.93
09 51 33 13-0028	SF	12" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	20.08	0.93
09 51 33 13-0029	SF	24" x 48", Unperforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.06	0.93
09 51 33 13-0030	SF	24" x 48", Unperforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.88	0.93
09 51 33 13-0031	SF	24" x 48", Unperforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	34.90	0.93
09 51 33 13-0032	SF	24" x 48", Unperforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.05	0.93
09 51 33 13-0033	SF	24" x 48", Perforated, 0.040" Thick, Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.75	0.93
09 51 33 13-0034	SF	24" x 48", Perforated, 0.040" Thick, Metallic Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.74	0.93
09 51 33 13-0035	SF	24" x 48", Perforated, 0.040" Thick, Wood Tone Painted Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	34.97	0.93
09 51 33 13-0036	SF	24" x 48", Perforated, 0.040" Thick, Anodized Aluminum, Acoustical Snap-In Metal Ceiling Panel (Armstrong MetalWorks™)	16.05	0.93

09 51 33 23 Acoustical Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 23-0001 Acoustical Lay-In Metal Pan Ceilings *(09 51 33 23)*

09 51 33 23-0002 Aluminum, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0003	SF	24" x 24", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	11.79	0.70
		For Walls >10' High, Add	*2.36*	
09 51 33 23-0004	SF	24" x 24", Unperforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	13.35	0.70
		For Walls >10' High, Add	*2.67*	
09 51 33 23-0005	SF	24" x 24", Unperforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	19.59	0.70
		For Walls >10' High, Add	*3.92*	
09 51 33 23-0006	SF	24" x 24", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	16.64	0.70
		For Walls >10' High, Add	*3.33*	
09 51 33 23-0007	SF	24" x 24", Perforated, Metallic Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.85	0.70
		For Walls >10' High, Add	*3.57*	
09 51 33 23-0008	SF	24" x 24", Perforated, Wood Tone Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	28.08	0.70
		For Walls >10' High, Add	*5.62*	
09 51 33 23-0009	SF	30" x 30", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.58	0.70
		For Walls >10' High, Add	*3.52*	
09 51 33 23-0010	SF	30" x 30", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	21.80	0.70
		For Walls >10' High, Add	*4.36*	
09 51 33 23-0011	SF	48" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.68	0.70
		For Walls >10' High, Add	*3.54*	
09 51 33 23-0012	SF	48" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	21.93	0.70
		For Walls >10' High, Add	*4.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 51 33 23-0013	SF	12" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.77	0.70
		For Walls >10' High, Add	*3.55*	
09 51 33 23-0014	SF	12" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	21.84	0.70
		For Walls >10' High, Add	*4.37*	
09 51 33 23-0015	SF	24" x 48", Unperforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	17.77	0.70
		For Walls >10' High, Add	*3.55*	
09 51 33 23-0016	SF	24" x 48", Perforated, Painted Aluminum, Acoustical Lay-In Metal Ceiling Panel (USG Panz™)	22.01	0.70
		For Walls >10' High, Add	*4.40*	

09 51 33 23-0017 Steel, Acoustical Lay-In Metal Ceiling Panels *(09 51 33 23-0001)*

09 51 33 23-0018	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	15.20	0.70
		For Walls >10' High, Add	*3.04*	
09 51 33 23-0019	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	18.11	0.70
		For Walls >10' High, Add	*3.62*	
09 51 33 23-0020	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	19.43	0.70
		For Walls >10' High, Add	*3.89*	
09 51 33 23-0021	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	18.25	0.70
		For Walls >10' High, Add	*3.65*	
09 51 33 23-0022	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	18.73	0.70
		For Walls >10' High, Add	*3.75*	
09 51 33 23-0023	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Lay-In Metal Ceiling Panel (Armstrong MetalWorks™ Vector®)	19.84	0.70
		For Walls >10' High, Add	*3.97*	

09 51 33 33 Acoustical Tegular Lay-in Metal Pan Ceilings *(09 51 33)*

09 51 33 33-0001 Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33)*

09 51 33 33-0002 Steel, Acoustical Tegular Lay-In Metal Pan Ceilings *(09 51 33 33-0001)*

09 51 33 33-0003	SF	24" x 24", Unperforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	11.11	0.70
09 51 33 33-0004	SF	24" x 24", Unperforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.50	0.70
09 51 33 33-0005	SF	24" x 24", Unperforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	17.63	0.70
09 51 33 33-0006	SF	24" x 24", Perforated, 0.021" Thick, Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	12.63	0.70
09 51 33 33-0007	SF	24" x 24", Perforated, 0.021" Thick, Metallic Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	14.30	0.70
09 51 33 33-0008	SF	24" x 24", Perforated, 0.021" Thick, Wood Tone Painted Steel, Acoustical Tegular Lay-In Metal Ceiling Panel (Armstrong MetalWorks™)	19.22	0.70

09 53 Acoustical Ceiling Suspension Assemblies *(09 50)*

09 53 23 Metal Acoustical Ceiling Suspension Assemblies *(09 53)*

09 53 23 00-0001 Ceiling Suspension Systems *(09 53 23)*

Note: Hot-dipped galvanized steel. Includes single 8 gauge wire hangers (between 3' To 4') attached from wood deck or wood members above to main members 4' on center. Includes all main tees, cross tees, wall angle, wall anchors, connector clips, hold down clips, double faced tape (where required). All above shall be mechanically installed by minimum 2-1/4" x 3/8" wedge anchors. Excludes chain supports for lights.

09 53 23 00-0002	SF	1' x 1' Grid, Concealed, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System Note: Excludes ceiling tile.	3.60	0.46
		For Fastening To Concrete, Add	*1.19*	
		For Fastening To Steel, Add	*1.28*	
		For Vertical Application, Add	*1.77*	
		For Individual Room Quantities <495, Add *Note: For use with projects >500 SF*	*0.38*	
		For Up To 50, Add	*1.35*	
		For >50 To 200, Add	*0.76*	
		For >200 To 500, Add	*0.28*	
		For >2,500 To 4,000, Deduct	*-0.08*	
		For >4,000 To 5,000, Deduct	*-0.15*	
		For >5,000, Deduct	*-0.21*	
		For Ceilings >10' High, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0003	SF	1' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.88	0.46
		For UL Listed (Fire Guard), Add	*0.18*	
		For 1-1/2" Wide Faced Grid, Add	*0.33*	
		For Fastening To Concrete, Add	*1.16*	
		For Fastening To Steel, Add	*1.25*	
		For Vertical Application, Add	*1.48*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.31*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.54*	
		For Up To 50, Add	*1.11*	
		For >50 To 200, Add	*0.63*	
		For >200 To 500, Add	*0.23*	
		For >2,500 To 4,000, Deduct	*-0.07*	
		For >4,000 To 5,000, Deduct	*-0.12*	
		For >5,000, Deduct	*-0.17*	
		For Ceilings >10' High, Add	*0.13*	
09 53 23 00-0004	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	2.39	0.46
		For UL Listed (Fire Guard), Add	*0.13*	
		For 1-1/2" Wide Faced Grid, Add	*0.24*	
		For Fastening To Concrete, Add	*1.15*	
		For Fastening To Steel, Add	*1.24*	
		For Vertical Application, Add	*1.36*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.27*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.38*	
		For Up To 50, Add	*0.98*	
		For >50 To 200, Add	*0.55*	
		For >200 To 500, Add	*0.20*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.10*	
		For >5,000, Deduct	*-0.15*	
		For Black Grid, Add	*0.11*	
		For Ceilings >10' High, Add	*0.12*	
		For Concealed Spline Grid, Add	*0.37*	
09 53 23 00-0005	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	1.96	0.46
		For UL Listed (Fire Guard), Add	*0.10*	
		For 1-1/2" Wide Faced Grid, Add	*0.18*	
		For Fastening To Concrete, Add	*1.12*	
		For Fastening To Steel, Add	*1.21*	
		For Vertical Application, Add	*1.30*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.23*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.30*	
		For Up To 50, Add	*0.81*	
		For >50 To 200, Add	*0.46*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.12*	
		For Black Grid, Add	*0.08*	
		For Ceilings >10' High, Add	*0.10*	
		For Concealed Spline Grid, Add	*0.30*	
09 53 23 00-0006	SF	1'-8" To 2' x 5' Grid, Hot Dipped Galvanized Steel, 15/16" T Bar Ceiling Suspension System	1.72	0.46
		For UL Listed (Fire Guard), Add	*0.09*	
		For 1-1/2" Wide Faced Grid, Add	*0.17*	
		For Fastening To Concrete, Add	*1.10*	
		For Fastening To Steel, Add	*1.19*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.20*	
		Note: For use with projects >500 SF		
		For Aluminum T-Bar System, Add	*0.27*	
		For Up To 50, Add	*0.71*	
		For >50 To 200, Add	*0.40*	
		For >200 To 500, Add	*0.14*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.07*	
		For >5,000, Deduct	*-0.11*	
		For Ceilings >10' High, Add	*0.08*	
09 53 23 00-0007	SF	2' x 2' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	2.56	0.46
		For UL Listed (Fire Guard), Add	*0.15*	
		For Fastening To Concrete, Add	*1.15*	
		For Fastening To Steel, Add	*1.24*	
		For Vertical Application, Add	*1.36*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.28*	
		Note: For use with projects >500 SF		
		For Up To 50, Add	*1.00*	
		For >50 To 200, Add	*0.57*	
		For >200 To 500, Add	*0.21*	
		For >2,500 To 4,000, Deduct	*-0.06*	
		For >4,000 To 5,000, Deduct	*-0.11*	
		For >5,000, Deduct	*-0.16*	
		For Black Grid, Add	*0.13*	
		For Ceilings >10' High, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 53 23 00-0008	SF	2' x 4' Grid, Hot Dipped Galvanized Steel, 9/16" T Bar Ceiling Suspension System	2.09	0.46
		For UL Listed (Fire Guard), Add	*0.12*	
		For Fastening To Concrete, Add	*1.12*	
		For Fastening To Steel, Add	*1.21*	
		For Vertical Application, Add	*1.30*	
		For Chemical Corrosion Resistant, Polyvinyl Chloride (PVC) Coated, Add	*2.50*	
		For Individual Room Quantities <495, Add	*0.23*	
		Note: For use with projects >500 SF		
		For Up To 50, Add	*0.83*	
		For >50 To 200, Add	*0.47*	
		For >200 To 500, Add	*0.17*	
		For >2,500 To 4,000, Deduct	*-0.05*	
		For >4,000 To 5,000, Deduct	*-0.09*	
		For >5,000, Deduct	*-0.13*	
		For Black Grid, Add	*0.10*	
		For Ceilings >10' High, Add	*0.10*	

09 53 23 00-0009 Ceiling Suspension System Accessories *(09 53 23)*

09 53 23 00-0010	LF	Pencil Rod Support For Suspended Ceiling with Accessories	1.06	
09 53 23 00-0011	LF	1" x 1/8" Flat Bar Bracing For Suspended Ceiling	2.92	1.30
		For 304 Stainless Steel, Add	*2.76*	
		For 316 Stainless Steel, Add	*3.10*	
		For Aluminum, Add	*0.17*	
		For Galvanized Steel, Add	*0.60*	
09 53 23 00-0012	LF	1" x 3/16" Flat Bar Bracing For Suspended Ceiling	4.19	1.39
		For 304 Stainless Steel, Add	*4.22*	
		For 316 Stainless Steel, Add	*4.74*	
		For Aluminum, Add	*0.27*	
		For Galvanized Steel, Add	*0.92*	
09 53 23 00-0013	LF	1-1/2" x 1/4" Flat Bar Bracing For Suspended Ceiling	6.02	1.48
		For 304 Stainless Steel, Add	*8.44*	
		For 316 Stainless Steel, Add	*9.47*	
		For Aluminum, Add	*0.53*	
		For Galvanized Steel, Add	*1.84*	
09 53 23 00-0014	EA	2', Exposed 15/16" Hot-dipped Galvanized Steel, Suspended Ceiling Cross Tee	5.79	0.27
		Note: Can be used to convert an existing 2' x 4' suspension system to a 2' x 2' system or to replace an individual component.		
09 53 23 00-0015	EA	Lateral Support For Suspended Ceiling Channel, Installed 12'-0" On Center Maximum	27.81	8.00
		Note: Includes vertical centerl strut and four 12 gauge diagonal wires.		
09 53 23 00-0016	EA	Up To 30" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	64.31	18.88
09 53 23 00-0017	EA	>30" To 48" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	66.66	19.24
09 53 23 00-0018	EA	>48" To 84" Compression Posts, Telescopic, With Splay Wires, Attached To Structure	74.80	19.24

09 53 23 00-0019 Removal And Reinstallation Of Acoustical Ceiling Suspension Assembly *(09 53 23)*

Note: 2'x2' Or 2'x4'. Includes storage and cleaning.

09 53 23 00-0020	SF	Removal And Reinstallation Of Acoustical Ceiling Tile And Grid, 2' x 2' Or 2' x 4'	1.59	
		Note: Suspension system tie wire, wall angles and bracing to remain in place.		
		For Up To 50, Add	*0.87*	
		For >50 To 200, Add	*0.48*	
		For >200 To 500, Add	*0.16*	
		For >2,500 To 4,000, Deduct	*-0.04*	
		For >4,000 To 5,000, Deduct	*-0.08*	
		For >5,000, Deduct	*-0.12*	
		For Ceilings >10' High, Add	*0.12*	
09 53 23 00-0021	SF	Removal And Reinstallation Of Grid System Only	0.93	
		Note: Suspension system tie wire, wall angles and bracing to remain in place.		
		For Up To 50, Add	*0.51*	
		For >50 To 200, Add	*0.28*	
		For >200 To 500, Add	*0.09*	
		For >2,500 To 4,000, Deduct	*-0.02*	
		For >4,000 To 5,000, Deduct	*-0.05*	
		For >5,000, Deduct	*-0.07*	
		For Ceilings >10' High, Add	*0.07*	

09 54 Specialty Ceilings *(09 50)*

09 54 16 Luminous Ceilings *(09 54)*

09 54 16 00-0001 Translucent Ceiling Panels *(09 54 16)*

09 54 16 00-0002	SF	2' x 2' x 0.013" Thick, Rigid Vinyl Plastic, Translucent Ceiling Panel	2.99	0.46
		For Ceilings >10' High, Add	*0.08*	
		For >100 To 200, Deduct	*-0.14*	
		For >200 To 300, Deduct	*-0.34*	
		For >300, Deduct	*-0.59*	

09 54 23 Linear Metal Ceilings *(09 54)*

09 54 23 00-0001 Linear Ceiling Systems *(09 54 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 54 23 00-0002		0.032" Aluminum, Linear Ceiling Systems *(09 54 23 00-0001)*		
		Note: For flat ceilings. Includes round or box style panels with KYNAR 500® or HYLAR 5000® PVDF finish. Includes ceiling suspension system and flush or recessed filler strips.		
09 54 23 00-0003	SF	4" Panel Width, 0.032" Aluminum, Linear Ceiling System	15.34	1.92
		For Up To 50, Add	*4.14*	
		For >50 To 200, Add	*2.45*	
		For >200 To 500, Add	*1.00*	
		For >2,500, Deduct	*-0.77*	
		For Ceilings >10' High, Add	*0.34*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-2.67*	
		For Curved Ceilings, Add	*1.14*	
09 54 23 00-0004	SF	8" Panel Width, 0.032" Aluminum, Linear Ceiling System	12.50	1.92
		For Up To 50, Add	*3.68*	
		For >50 To 200, Add	*2.15*	
		For >200 To 500, Add	*0.85*	
		For >2,500, Deduct	*-0.63*	
		For Ceilings >10' High, Add	*0.34*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-1.32*	
		For Curved Ceilings, Add	*1.12*	
09 54 23 00-0005	SF	12" Panel Width, 0.032" Aluminum, Linear Ceiling System	11.38	1.92
		For Up To 50, Add	*3.47*	
		For >50 To 200, Add	*2.02*	
		For >200 To 500, Add	*0.79*	
		For >2,500, Deduct	*-0.57*	
		For Ceilings >10' High, Add	*0.33*	
		For Linear Ceiling Systems Without Filler Strips, Deduct	*-0.89*	
		For Curved Ceilings, Add	*1.10*	
09 54 23 00-0006		Tin Ceilings *(09 54 23)*		
09 54 23 00-0007	SF	2' x 2' Tin Ceiling Embossed Panels	18.34	2.97
		For Up To 50, Add	*4.18*	
		For >50 To 200, Add	*2.55*	
		For >200 To 500, Add	*1.10*	
		For >2,500, Deduct	*-0.92*	
		For Ceilings >10' High, Add	*0.27*	
09 54 23 00-0008	SF	12" x 12" Tin Ceiling Embossed Plates	27.31	1.92
		For Up To 50, Add	*5.60*	
		For >50 To 200, Add	*3.49*	
		For >200 To 500, Add	*1.55*	
		For >2,500, Deduct	*-1.37*	
		For Ceilings >10' High, Add	*0.28*	
09 54 23 00-0009	SF	12" x 24" Tin Ceiling Embossed Plates	19.82	1.92
		For Up To 50, Add	*4.48*	
		For >50 To 200, Add	*2.74*	
		For >200 To 500, Add	*1.18*	
		For >2,500, Deduct	*-0.99*	
		For Ceilings >10' High, Add	*0.28*	
09 54 23 00-0010	SF	24" x 24" Tin Ceiling Embossed Plates	18.20	1.92
		For Up To 50, Add	*4.12*	
		For >50 To 200, Add	*2.52*	
		For >200 To 500, Add	*1.08*	
		For >2,500, Deduct	*-0.91*	
		For Ceilings >10' High, Add	*0.26*	
09 54 23 00-0011	SF	24" x 48" Tin Ceiling Embossed Plates	15.88	1.43
		For Up To 50, Add	*3.60*	
		For >50 To 200, Add	*2.20*	
		For >200 To 500, Add	*0.95*	
		For >2,500, Deduct	*-0.79*	
		For Ceilings >10' High, Add	*0.23*	
09 54 23 00-0012	LF	3" Or 4" Wide Embossed Molding	12.09	2.88
09 54 23 00-0013	LF	6" Wide Embossed Molding	15.22	3.35
09 54 23 00-0014	LF	12" Wide Embossed Molding	20.46	3.93
09 54 23 00-0015	EA	3", 4" Or 6" Wide Embossed Cross, Tee Or Ell	34.87	9.09
09 54 23 00-0016	EA	12" Wide Embossed Cross, Tee Or Ell	48.71	10.63

09 57 Special Function Ceilings *(09 50)*

09 57 63 High Impact Ceilings *(09 57)*

09 57 63 00-0001		High Impact Ceilings *(09 57 63)*		
09 57 63 00-0002	SF	Polyvinyl Chloride Face High Impact Ceiling Panels	6.36	0.93
		For Ceilings >10' High, Add	*0.11*	
09 57 63 00-0003	SF	High Impact Clips	2.43	0.75
		For Ceilings >10' High, Add	*0.09*	

09 60 Flooring *(09)*

Note: Perform moisture testing as recommended by manufacturer.

09 61 Flooring Treatment *(09 60)*

09 61 13 Slip-Resistant Flooring Treatment *(09 61)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 61 13 00-0001		Anti-Slip Tape *(09 61 13)*		
		Note: Grit sandpaper surface with adhesive back.		
09 61 13 00-0002	LF	1" Anti-Slip Tape	2.34	1.85
09 61 13 00-0003	LF	2" Anti-Slip Tape	2.92	2.05
09 61 13 00-0004	LF	3" Anti-Slip Tape	3.48	2.25
09 61 13 00-0005	LF	4" Anti-Slip Tape	4.01	2.47
09 61 13 00-0006	LF	6" Anti-Slip Tape	5.05	2.72
09 61 13 00-0007	LF	12" Anti-Slip Tape	8.70	4.07
09 61 13 00-0008	LF	24" Anti-Slip Tape	12.38	6.12

09 63 Masonry Flooring *(09 60)*

09 63 13 Brick Flooring *(09 63)*

09 63 13 00-0001		Clay Bricks *(09 63 13)*		
09 63 13 00-0002	SF	2-1/4" Thick Clay Brick Floor	24.25	8.22
		For Basket Weave Pattern, Add	*1.76*	
		For Herringbone Pattern, Add	*2.34*	
		For Epoxy Joints, Add	*4.65*	
09 63 13 00-0003	SF	3" Thick Clay Brick Floor	27.36	8.22
		For Basket Weave Pattern, Add	*1.76*	
		For Herringbone Pattern, Add	*2.34*	
		For Epoxy Joints, Add	*4.65*	
09 63 13 00-0004	SF	1/2" Thick Unglazed Clay Brick Floor	15.48	8.22
		For Basket Weave Pattern, Add	*1.76*	
		For Herringbone Pattern, Add	*2.34*	
		For Epoxy Joints, Add	*4.65*	
09 63 13 00-0005	SF	1/2" Thick Glazed Clay Brick Floor	18.30	8.22
		For Basket Weave Pattern, Add	*1.76*	
		For Herringbone Pattern, Add	*2.34*	
		For Epoxy Joints, Add	*4.65*	
09 63 13 00-0006	SF	3/4" Thick Unglazed Clay Brick Floor	16.74	8.22
		For Basket Weave Pattern, Add	*1.76*	
		For Herringbone Pattern, Add	*2.34*	
		For Epoxy Joints, Add	*4.65*	
09 63 13 00-0007	SF	3/4" Thick Glazed Clay Brick Floor	20.49	8.22
		For Basket Weave Pattern, Add	*1.76*	
		For Herringbone Pattern, Add	*2.34*	
		For Epoxy Joints, Add	*4.65*	
09 63 13 00-0008	SF	15/16" Thick Unglazed Clay Brick Floor	17.96	8.22
		For Basket Weave Pattern, Add	*1.76*	
		For Herringbone Pattern, Add	*2.34*	
		For Epoxy Joints, Add	*4.65*	
09 63 13 00-0009	SF	15/16" Thick Glazed Clay Brick Floor	22.70	8.22
		For Basket Weave Pattern, Add	*1.76*	
		For Herringbone Pattern, Add	*2.34*	
		For Epoxy Joints, Add	*4.65*	

09 63 43 Composition Stone Flooring *(09 63)*

09 63 43 00-0001		Cupric Oxychloride Cement, Seamless Flooring System *(09 63 43)*		
		Note: Chemical and slip resistant. OSHA and USDA approved.		
09 63 43 00-0002	SF	3/8" Thick, Cupric Oxychloride Cement, Seamless Flooring System, Trowel Applied	13.49	4.63

09 64 Wood Flooring *(09 60)*

09 64 13 Wood Flooring Underlayment *(09 64)*

09 64 13 00-0001		Wood Flooring Underlayment *(09 64 13)*		
09 64 13 00-0002	SF	Regular Weight Red Rosin Paper, Wood Flooring Underlayment	0.41	
09 64 13 00-0003	SF	Heavy Weight Red Rosin Paper, Wood Flooring Underlayment	0.42	
09 64 13 00-0004	SF	30 LB, Waxed Paper, Wood Flooring Underlayment	0.43	
09 64 13 00-0005	SF	15 LB, Asphalt Saturated Organic Felt, Wood Flooring Underlayment	0.49	
09 64 13 00-0006	SF	6 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.43	
09 64 13 00-0007	SF	8 Mil Thick, Polyethylene Film, Wood Flooring Underlayment	0.47	
09 64 13 00-0008	SF	1/8" Thick, Natural Cork, Wood Flooring Underlayment	1.67	0.29
09 64 13 00-0009	SF	1/4" Thick, Natural Cork, Wood Flooring Underlayment	1.74	0.29
09 64 13 00-0010	SF	3/32" Thick, Polyethylene Foam, Wood Flooring Underlayment (Roberts® Unison™ 70-025-15)	0.66	
09 64 13 00-0011	SF	2.0mm Thick, Progressive Foam Technology, Wood Flooring Underlayment (Roberts® Quiet Cushion 70-180)	0.80	
09 64 13 00-0012	SF	4.0mm Thick, Compressed Fiber, Wood Flooring Underlayment (Roberts® Super Felt 70-193)	0.85	
09 64 13 00-0013	SF	2.5mm Thick, Closed Cell Foam, Wood Flooring Underlayment (Roberts® Black Jack™ 70-026)	1.02	
09 64 13 00-0014	SF	1/8" Thick, Moisture Barrier, Sound Reduction And Cushioning, Wood Flooring Underlayment (Roberts® AirGuard™ 70-105)	1.03	0.19

09 64 23 Wood Parquet Flooring *(09 64)*

Note: All wood parquet flooring is prefinished at factory.

09 64 23 00-0001 Hardwood Parquet Flooring *(09 64 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 23 00-0002	SF	5/16" Thick Oak Parquet Flooring	13.04	0.93
		For Up To 20, Add	*4.57*	
		For >20 To 50, Add	*2.47*	
		For >50 To 100, Add	*1.23*	
		For >100 To 300, Add	*0.62*	

09 64 29 Wood Strip and Plank Flooring *(09 64)*

Note: All wood strip flooring is unfinished, tongue and groove.

09 64 29 00-0001 Unfinished Fir, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0002	SF	3-1/8" Plank Width, 3/4" Thick, Plain Sawn, Clear Vertical Grain (C Or Better) Unfinished Fir, Wood Strip Flooring	11.89	0.93
		For Factory Finish, Add	*0.77*	
		For Random Width Floor, Add	*2.76*	
		For Up To 20, Add	*3.66*	
		For >20 To 50, Add	*2.03*	
		For >50 To 100, Add	*1.01*	
		For >100 To 300, Add	*0.51*	

09 64 29 00-0003 Unfinished Oak, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0004 Unfinished White Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0005	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	9.48	0.93
		For Factory Finish, Add	*0.40*	
		For Random Width Floor, Add	*2.10*	
		For Up To 20, Add	*3.88*	
		For >20 To 50, Add	*2.04*	
		For >50 To 100, Add	*1.02*	
		For >100 To 300, Add	*0.51*	
09 64 29 00-0006	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	10.00	0.93
		For Factory Finish, Add	*0.45*	
		For Random Width Floor, Add	*2.23*	
		For Up To 20, Add	*3.96*	
		For >20 To 50, Add	*2.09*	
		For >50 To 100, Add	*1.05*	
		For >100 To 300, Add	*0.52*	
09 64 29 00-0007	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	10.79	0.93
		For Factory Finish, Add	*0.53*	
		For Random Width Floor, Add	*2.42*	
		For Up To 20, Add	*4.08*	
		For >20 To 50, Add	*2.17*	
		For >50 To 100, Add	*1.09*	
		For >100 To 300, Add	*0.54*	
09 64 29 00-0008	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished White Oak, Wood Strip Flooring	8.38	0.93
		For Factory Finish, Add	*0.42*	
		For Random Width Floor, Add	*1.89*	
		For Up To 20, Add	*3.14*	
		For >20 To 50, Add	*1.67*	
		For >50 To 100, Add	*0.84*	
		For >100 To 300, Add	*0.42*	
09 64 29 00-0009	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished White Oak, Wood Strip Flooring	8.79	0.93
		For Factory Finish, Add	*0.46*	
		For Random Width Floor, Add	*1.99*	
		For Up To 20, Add	*3.20*	
		For >20 To 50, Add	*1.72*	
		For >50 To 100, Add	*0.86*	
		For >100 To 300, Add	*0.43*	
09 64 29 00-0010	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished White Oak, Wood Strip Flooring	9.60	0.93
		For Factory Finish, Add	*0.54*	
		For Random Width Floor, Add	*2.19*	
		For Up To 20, Add	*3.32*	
		For >20 To 50, Add	*1.80*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	

09 64 29 00-0011 Unfinished Red Oak, Wood Strip Flooring *(09 64 29 00-0003)*

09 64 29 00-0012	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	9.57	0.93
		For Factory Finish, Add	*0.41*	
		For Random Width Floor, Add	*2.12*	
		For Up To 20, Add	*3.89*	
		For >20 To 50, Add	*2.05*	
		For >50 To 100, Add	*1.02*	
		For >100 To 300, Add	*0.51*	
09 64 29 00-0013	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	10.09	0.93
		For Factory Finish, Add	*0.46*	
		For Random Width Floor, Add	*2.25*	
		For Up To 20, Add	*3.97*	
		For >20 To 50, Add	*2.10*	
		For >50 To 100, Add	*1.05*	
		For >100 To 300, Add	*0.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0014	SF	2-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	10.88	0.93
		For Factory Finish, Add	*0.54*	
		For Random Width Floor, Add	*2.45*	
		For Up To 20, Add	*4.09*	
		For >20 To 50, Add	*2.18*	
		For >50 To 100, Add	*1.09*	
		For >100 To 300, Add	*0.55*	
09 64 29 00-0015	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #2 Common Unfinished Red Oak, Wood Strip Flooring	8.46	0.93
		For Factory Finish, Add	*0.43*	
		For Random Width Floor, Add	*1.91*	
		For Up To 20, Add	*3.15*	
		For >20 To 50, Add	*1.68*	
		For >50 To 100, Add	*0.84*	
		For >100 To 300, Add	*0.42*	
09 64 29 00-0016	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, #1 Common Unfinished Red Oak, Wood Strip Flooring	8.99	0.93
		For Factory Finish, Add	*0.48*	
		For Random Width Floor, Add	*2.04*	
		For Up To 20, Add	*3.23*	
		For >20 To 50, Add	*1.74*	
		For >50 To 100, Add	*0.87*	
		For >100 To 300, Add	*0.43*	
09 64 29 00-0017	SF	3-1/4" Plank Width, 3/4" Thick, Plain Sawn, Select Unfinished Red Oak, Wood Strip Flooring	9.69	0.93
		For Factory Finish, Add	*0.55*	
		For Random Width Floor, Add	*2.21*	
		For Up To 20, Add	*3.33*	
		For >20 To 50, Add	*1.81*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	

09 64 29 00-0018 Unfinished Maple, Wood Strip Flooring *(09 64 29)*

09 64 29 00-0019 25/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0020	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	11.49	0.93
		For Factory Finish, Add	*0.60*	
		For Random Width Floor, Add	*2.60*	
		For Up To 20, Add	*4.18*	
		For >20 To 50, Add	*2.24*	
		For >50 To 100, Add	*1.12*	
		For >100 To 300, Add	*0.56*	
09 64 29 00-0021	SF	2-1/4" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	10.62	0.93
		For Factory Finish, Add	*0.52*	
		For Random Width Floor, Add	*2.38*	
		For Up To 20, Add	*4.05*	
		For >20 To 50, Add	*2.15*	
		For >50 To 100, Add	*1.08*	
		For >100 To 300, Add	*0.54*	
09 64 29 00-0022	SF	3" Plank Width, 25/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	10.56	0.93
		For Factory Finish, Add	*0.64*	
		For Random Width Floor, Add	*2.43*	
		For Up To 20, Add	*3.47*	
		For >20 To 50, Add	*1.89*	
		For >50 To 100, Add	*0.95*	
		For >100 To 300, Add	*0.47*	
09 64 29 00-0023	SF	3" Plank Width, 25/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	9.69	0.93
		For Factory Finish, Add	*0.55*	
		For Random Width Floor, Add	*2.21*	
		For Up To 20, Add	*3.33*	
		For >20 To 50, Add	*1.81*	
		For >50 To 100, Add	*0.90*	
		For >100 To 300, Add	*0.45*	

09 64 29 00-0024 33/32" Thick, Unfinished Maple, Wood Strip Flooring *(09 64 29 00-0018)*

09 64 29 00-0025	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	13.38	0.93
		For Factory Finish, Add	*0.79*	
		For Random Width Floor, Add	*3.07*	
		For Up To 20, Add	*4.46*	
		For >20 To 50, Add	*2.43*	
		For >50 To 100, Add	*1.22*	
		For >100 To 300, Add	*0.61*	
09 64 29 00-0026	SF	2-1/4" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	12.21	0.93
		For Factory Finish, Add	*0.68*	
		For Random Width Floor, Add	*2.78*	
		For Up To 20, Add	*4.29*	
		For >20 To 50, Add	*2.31*	
		For >50 To 100, Add	*1.16*	
		For >100 To 300, Add	*0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 64 29 00-0027	SF	3" Plank Width, 33/32" Thick, Plain Sawn, First Grade (Select Or Better) Unfinished Maple, Wood Strip Flooring	12.57	0.93
		For Factory Finish, Add	*0.84*	
		For Random Width Floor, Add	*2.93*	
		For Up To 20, Add	*3.77*	
		For >20 To 50, Add	*2.09*	
		For >50 To 100, Add	*1.05*	
		For >100 To 300, Add	*0.52*	
09 64 29 00-0028	SF	3" Plank Width, 33/32" Thick, Plain Sawn, Second Grade (#1 Common) Unfinished Maple, Wood Strip Flooring	11.40	0.93
		For Factory Finish, Add	*0.72*	
		For Random Width Floor, Add	*2.64*	
		For Up To 20, Add	*3.59*	
		For >20 To 50, Add	*1.98*	
		For >50 To 100, Add	*0.99*	
		For >100 To 300, Add	*0.49*	

09 64 29 00-0029 Prefinished Engineered Wood Flooring *(09 64 29)*

Note: Glued or nailed. Excludes underlayment. See CSI section 09 64 13 00-0001 for wood flooring underlayment.

09 64 29 00-0030	SF	1/2" Thick, Red Oak, Prefinished Engineered Wood Flooring	11.73	0.93
		For Up To 20, Add	*3.40*	
		For >20 To 50, Add	*1.90*	
		For >50 To 100, Add	*0.95*	
		For >100 To 300, Add	*0.48*	
09 64 29 00-0031	SF	1/2" Thick, White Oak, Prefinished Engineered Wood Flooring	11.73	0.93
		For Up To 20, Add	*3.40*	
		For >20 To 50, Add	*1.90*	
		For >50 To 100, Add	*0.95*	
		For >100 To 300, Add	*0.48*	
09 64 29 00-0032	SF	1/2" Thick, Select Maple, Prefinished Engineered Wood Flooring	11.37	0.93
		For Up To 20, Add	*3.34*	
		For >20 To 50, Add	*1.87*	
		For >50 To 100, Add	*0.93*	
		For >100 To 300, Add	*0.47*	
09 64 29 00-0033	SF	1/2" Thick, Natural Hickory, Prefinished Engineered Wood Flooring	11.64	0.93
		For Up To 20, Add	*3.38*	
		For >20 To 50, Add	*1.89*	
		For >50 To 100, Add	*0.95*	
		For >100 To 300, Add	*0.47*	

09 64 66 Wood Athletic Flooring *(09 64)*

Note: On shims, sleepers and/or screeds. 1-1/2" or 2-1/4" widths. Excludes finish.

09 64 66 00-0001 Wood Gym/Stage/Dance Floors *(09 64 66)*

Note: Includes sanding and vent cove base. Excludes concrete repairs to subbase, thresholds, and finishing.

09 64 66 00-0002	SF	25/32" Maple Wood Gym/Stage/Dance Floor	12.26	4.65
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0003	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Resilient Pads (Connor DuraCushion)	16.30	6.04
		Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/8" resilient pads.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0004	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, Two Layers Of Plywood Panel Subfloor With Two Stage Resilient Pads (Connor NeoShok)	17.16	6.04
		Note: Includes 6 mil polyethylene vapor barrier, two layers of 15/32" plywood subfloor and 3/4" hemispherical two stage polyurethane resilient pads.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0005	SF	Floating 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Subfloor With Continuous Steel Channel Encased Sleepers And Resilient Pads (Connor PermaFlex)	18.98	6.04
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 15/32" plywood subfloor, a continuous steel channel encasing a 23/32" fixed sleeper, a 7/16" resilient pad and a 23/32" flex sleeper.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0006	SF	Fixed Resilient 25/32" Maple Wood Gym/Stage/Dance Floor System, One Layer Of Plywood Panel Subfloor With Resilient Pads (Connor Focus)	18.14	6.04
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 3/4" subfloor, 9/16" resilient pads and concrete anchors and clips.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	
09 64 66 00-0007	SF	Clip And Channel, Fixed 33/32" Maple Wood Gym/Stage/Dance Floor System (Connor PermaLock)	20.67	6.04
		Note: Includes 6 mil polyethylene vapor barrier, one layer of 1/2" impregnated fiberboard with channel grooves for 16 gauge steel anchor channel.		
		For Oak Or Birch, Deduct	*-0.20*	
		For Pine, Deduct	*-0.30*	
		For #1 Grade Material, Add	*0.50*	

09 65 Resilient Flooring *(09 60)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 03 54 16 00-0001 for self leveling underlayment for uneven floors.

09 65 13 Resilient Base and Accessories *(09 65)*

09 65 13 13 Resilient Base *(09 65 13)*

09 65 13 13-0001 Type TV Thermoplastic Vinyl Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0002	LF	2-1/2" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.26	0.94
		For Up To 20, Add	*1.23*	
		For >20 To 40, Add	*0.70*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.23*	
		For >960, Deduct	*-0.35*	
09 65 13 13-0003	LF	4" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	3.79	0.94
		For Up To 20, Add	*1.31*	
		For >20 To 40, Add	*0.75*	
		For >40 To 80, Add	*0.28*	
		For >240 To 960, Deduct	*-0.29*	
		For >960, Deduct	*-0.43*	
09 65 13 13-0004	LF	6" High, 1/8" Thick, Type TV Thermoplastic Vinyl Wall Base, All Colors	4.93	0.94
		For Up To 20, Add	*1.48*	
		For >20 To 40, Add	*0.87*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.40*	
		For >960, Deduct	*-0.60*	

09 65 13 13-0005 Type TP Thermoplastic Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0006	LF	2-1/2" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	3.60	0.94
		For Up To 20, Add	*1.28*	
		For >20 To 40, Add	*0.73*	
		For >40 To 80, Add	*0.27*	
		For >240 To 960, Deduct	*-0.27*	
		For >960, Deduct	*-0.40*	
09 65 13 13-0007	LF	4" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	4.00	0.94
		For Up To 20, Add	*1.34*	
		For >20 To 40, Add	*0.77*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.31*	
		For >960, Deduct	*-0.46*	
09 65 13 13-0008	LF	6" High, 1/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	5.10	0.94
		For Up To 20, Add	*1.51*	
		For >20 To 40, Add	*0.88*	
		For >40 To 80, Add	*0.35*	
		For >240 To 960, Deduct	*-0.42*	
		For >960, Deduct	*-0.63*	
09 65 13 13-0009	LF	2-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.65	0.94
		For Up To 20, Add	*1.74*	
		For >20 To 40, Add	*1.04*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.57*	
		For >960, Deduct	*-0.86*	
09 65 13 13-0010	LF	3" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	6.98	0.94
		For Up To 20, Add	*1.79*	
		For >20 To 40, Add	*1.07*	
		For >40 To 80, Add	*0.44*	
		For >240 To 960, Deduct	*-0.61*	
		For >960, Deduct	*-0.91*	
09 65 13 13-0011	LF	4-1/2" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	8.72	0.94
		For Up To 20, Add	*2.05*	
		For >20 To 40, Add	*1.24*	
		For >40 To 80, Add	*0.53*	
		For >240 To 960, Deduct	*-0.78*	
		For >960, Deduct	*-1.17*	
09 65 13 13-0012	LF	6" High, 3/8" Thick, Type TP Thermoplastic Rubber Wall Base, All Colors	12.16	0.94
		For Up To 20, Add	*2.57*	
		For >20 To 40, Add	*1.59*	
		For >40 To 80, Add	*0.70*	
		For >240 To 960, Deduct	*-1.12*	
		For >960, Deduct	*-1.68*	

09 65 13 13-0013 Type TS Thermoset Vulcanized Rubber Wall Base *(09 65 13 13)*

Note: Includes inside and outside corners.

09 65 13 13-0014	LF	2-1/2" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.04	1.12
		For Up To 20, Add	*1.35*	
		For >20 To 40, Add	*0.78*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.31*	
		For >960, Deduct	*-0.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 13-0015	LF	4" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	4.06	0.94
		For Up To 20, Add	*1.35*	
		For >20 To 40, Add	*0.78*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.31*	
		For >960, Deduct	*-0.47*	
09 65 13 13-0016	LF	6" High, 1/8" Thick, Type TS Thermoset Vulcanized Rubber Wall Base, All Colors	6.04	1.12
		For Up To 20, Add	*1.80*	
		For >20 To 40, Add	*1.05*	
		For >40 To 80, Add	*0.41*	
		For >240 To 960, Deduct	*-0.49*	
		For >960, Deduct	*-0.74*	

09 65 13 23 Resilient Stair Treads and Risers *(09 65 13)*

Note: All treads have integral nosing. Abrasive strip modifiers include either 1 or 2 strips running the length of the tread. All colors.

09 65 13 23-0001 Rubber Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0002 Raised Disc Or Other Patterned Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0003	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	12.69	1.49
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0004	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	13.63	1.60
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0005	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Raised disc or other pattern.	16.57	1.71
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0006 Smooth Surface Rubber Stair Tread *(09 65 13 23-0001)*

09 65 13 23-0007	LF	3/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	11.95	1.49
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0008	LF	1/4" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	12.62	1.60
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	
09 65 13 23-0009	LF	5/16" Thick, 9" To 12-1/2" Deep, Rubber Stair Tread Note: Smooth surface.	15.47	1.72
		For Abrasive Strip, Add	*2.75*	
		For Photo Luminescent Abrasive Strip, Add	*3.75*	

09 65 13 23-0010 Smooth Surface Rubber Stair Riser *(09 65 13 23-0001)*

09 65 13 23-0011	LF	1/8" Thick, Smooth Surface Rubber Stair Riser	6.97	0.90

09 65 13 23-0012 Smooth, Raised Disc or Other Patterned Rubber Landing Mats *(09 65 13 23-0001)*

09 65 13 23-0013	SF	1/8" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	17.64	1.38
09 65 13 23-0014	SF	3/16" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	21.05	1.49
09 65 13 23-0015	SF	7/32" Thick, Rubber Landing Mats Note: Smooth, raised disc or other patterned surface.	22.76	1.68

09 65 13 23-0016 Vinyl Stair Treads and Risers *(09 65 13 23)*

09 65 13 23-0017 Ribbed Vinyl Stair Tread *(09 65 13 23-0016)*

09 65 13 23-0018	LF	1/8" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	12.14	1.36
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0019	LF	3/16" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	13.40	1.49
		For Abrasive Strip, Add	*2.75*	
09 65 13 23-0020	LF	1/4" Thick, 9" To 12-1/2" Deep, Ribbed Vinyl Stair Tread	16.08	1.61
		For Abrasive Strip, Add	*2.75*	

09 65 13 23-0021 Smooth Surface Vinyl Stair Riser *(09 65 13 23-0016)*

09 65 13 23-0022	LF	1/8" Thick, 7" High, Smooth Surface Vinyl Stair Riser	6.75	0.90

09 65 13 33 Resilient Accessories *(09 65 13)*

09 65 13 33-0001 Flexible Self Leveling Cementitious Underlayments *(09 65 13 33)*

09 65 13 33-0002	SF	1/8" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	1.32	0.75
09 65 13 33-0003	SF	1/4" Thick, Flexible Self Leveling Cementitious Underlayment With Liquid Latex Modifiers	2.00	0.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 33-0004		Concrete Floor Prep *(09 65 13 33)*		
09 65 13 33-0005	SF	Removal Of Glue From Concrete Floor	0.94	
		Note: For removal of glue from VCT or carpet placement. Not to be used in conjunction with demolition tasks associated with floor tile installation.		
09 65 13 36		**Resilient Carpet Transitions** ***(09 65 13)***		
09 65 13 36-0001		Vinyl Transition Strip *(09 65 13 36)*		
09 65 13 36-0002	LF	Vinyl Transition Strip, Brown Or Black	1.89	0.68
		For >240 To 960, Deduct	*-0.14*	
		For >960, Deduct	*-0.21*	
09 65 13 36-0003	LF	Vinyl Floor Tile Reducer Strip, Brown Or Black	1.69	0.68
		For >240 To 960, Deduct	*-0.12*	
		For >960, Deduct	*-0.18*	
09 65 13 36-0004	LF	Vinyl Floor Tile Feature Strip, Brown Or Black	1.44	0.68
		For >240 To 960, Deduct	*-0.10*	
		For >960, Deduct	*-0.15*	
09 65 13 36-0005	LF	1/4" To 1/8" Material, Narrow, Vinyl, Slim Line Transition (Johnsonite SLT-XX-A)	2.27	0.94
		For Up To 20, Add	*0.94*	
		For >20 To 40, Add	*0.53*	
		For >40 To 80, Add	*0.19*	
		For >240 To 960, Deduct	*-0.15*	
		For >960, Deduct	*-0.23*	
09 65 13 36-0006		Vinyl, Wheeled Traffic Transitions *(09 65 13 36)*		
09 65 13 36-0007	LF	1/4" To 1/8" Material x 1-3/4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-A)	2.77	0.94
		For Up To 20, Add	*1.01*	
		For >20 To 40, Add	*0.58*	
		For >40 To 80, Add	*0.21*	
		For >240 To 960, Deduct	*-0.20*	
		For >960, Deduct	*-0.30*	
09 65 13 36-0008	LF	1/4" To 1/8" Material x 1", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-C)	2.77	0.94
		For Up To 20, Add	*1.01*	
		For >20 To 40, Add	*0.58*	
		For >40 To 80, Add	*0.21*	
		For >240 To 960, Deduct	*-0.20*	
		For >960, Deduct	*-0.30*	
09 65 13 36-0009	LF	5/16" To 1/16" Or 1/8" Material x 1-5/8", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-D)	3.33	0.94
		For Up To 20, Add	*1.10*	
		For >20 To 40, Add	*0.63*	
		For >40 To 80, Add	*0.24*	
		For >240 To 960, Deduct	*-0.26*	
		For >960, Deduct	*-0.39*	
09 65 13 36-0010	LF	1/4" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-H)	5.34	0.94
		For Up To 20, Add	*1.40*	
		For >20 To 40, Add	*0.83*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.46*	
		For >960, Deduct	*-0.69*	
09 65 13 36-0011	LF	1/4" To 1/8" Material x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HL)	5.36	0.94
		For Up To 20, Add	*1.40*	
		For >20 To 40, Add	*0.83*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.46*	
		For >960, Deduct	*-0.69*	
09 65 13 36-0012	LF	1/4" To 0.08" Or 2 mm Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-HT)	3.63	0.94
		For Up To 20, Add	*1.14*	
		For >20 To 40, Add	*0.66*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.29*	
		For >960, Deduct	*-0.43*	
09 65 13 36-0013	LF	1/4" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-J)	5.22	0.94
		For Up To 20, Add	*1.38*	
		For >20 To 40, Add	*0.82*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.45*	
		For >960, Deduct	*-0.67*	
09 65 13 36-0014	LF	1/4" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-JL)	5.40	0.94
		For Up To 20, Add	*1.41*	
		For >20 To 40, Add	*0.84*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.47*	
		For >960, Deduct	*-0.70*	
09 65 13 36-0015	LF	3/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-K)	4.58	0.94
		For Up To 20, Add	*1.28*	
		For >20 To 40, Add	*0.76*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.38*	
		For >960, Deduct	*-0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 13 36-0016	LF	3/8" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-L)	4.98	0.94
		For Up To 20, Add	*1.34*	
		For >20 To 40, Add	*0.80*	
		For >40 To 80, Add	*0.32*	
		For >240 To 960, Deduct	*-0.42*	
		For >960, Deduct	*-0.64*	
09 65 13 36-0017	LF	1/4" To 1/4" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-M)	5.40	0.94
		For Up To 20, Add	*1.41*	
		For >20 To 40, Add	*0.84*	
		For >40 To 80, Add	*0.34*	
		For >240 To 960, Deduct	*-0.47*	
		For >960, Deduct	*-0.70*	
09 65 13 36-0018	LF	1/8" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-N)	4.51	0.94
		For Up To 20, Add	*1.27*	
		For >20 To 40, Add	*0.75*	
		For >40 To 80, Add	*0.30*	
		For >240 To 960, Deduct	*-0.38*	
		For >960, Deduct	*-0.56*	
09 65 13 36-0019	LF	3/8" Material To Floor x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-P)	3.85	0.94
		For Up To 20, Add	*1.17*	
		For >20 To 40, Add	*0.68*	
		For >40 To 80, Add	*0.27*	
		For >240 To 960, Deduct	*-0.31*	
		For >960, Deduct	*-0.47*	
09 65 13 36-0020	LF	3/8" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-PL)	5.54	0.94
		For Up To 20, Add	*1.43*	
		For >20 To 40, Add	*0.85*	
		For >40 To 80, Add	*0.35*	
		For >240 To 960, Deduct	*-0.48*	
		For >960, Deduct	*-0.72*	
09 65 13 36-0021	LF	1/2" Material To Floor x 4", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Q)	7.06	0.94
		For Up To 20, Add	*1.66*	
		For >20 To 40, Add	*1.00*	
		For >40 To 80, Add	*0.43*	
		For >240 To 960, Deduct	*-0.63*	
		For >960, Deduct	*-0.95*	
09 65 13 36-0022	LF	0.08" To 1/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-X)	3.75	0.94
		For Up To 20, Add	*1.16*	
		For >20 To 40, Add	*0.67*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.30*	
		For >960, Deduct	*-0.45*	
09 65 13 36-0023	LF	0.08" To 0.08" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Y)	3.80	0.94
		For Up To 20, Add	*1.17*	
		For >20 To 40, Add	*0.68*	
		For >40 To 80, Add	*0.26*	
		For >240 To 960, Deduct	*-0.31*	
		For >960, Deduct	*-0.46*	
09 65 13 36-0024	LF	0.08" To 3/8" Material x 2-1/2", Vinyl, Wheeled Traffic Transition (Johnsonite CTA-XX-Z)	4.27	0.94
		For Up To 20, Add	*1.24*	
		For >20 To 40, Add	*0.73*	
		For >40 To 80, Add	*0.29*	
		For >240 To 960, Deduct	*-0.35*	
		For >960, Deduct	*-0.53*	

09 65 16 Resilient Sheet Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 16 23 Vinyl Sheet Flooring *(09 65 16)*

09 65 16 23-0001 Vinyl Sheet Flooring *(09 65 16 23)*

Note: For flash cove application, add additional square foot of material to form cove base.

09 65 16 23-0002	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medintech®)	7.31	0.56
		For Up To 40, Add	*2.94*	
		For >40 To 100, Add	*1.47*	
		For >1,000, Deduct	*-0.62*	
09 65 16 23-0003	SF	0.080" Overall Thickness, 0.080" Wear Layer, Homogeneous, Commercial Vinyl Sheet Flooring (Armstrong® Medley™)	5.99	0.56
		For Up To 40, Add	*2.68*	
		For >40 To 100, Add	*1.34*	
		For >1,000, Deduct	*-0.49*	
09 65 16 23-0004	SF	0.080" Overall Thickness, 0.050" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Connection Corlon®)	3.94	0.56
		For Up To 40, Add	*2.27*	
		For >40 To 100, Add	*1.14*	
		For >1,000, Deduct	*-0.28*	
09 65 16 23-0005	SF	0.080" Overall Thickness, 0.040" Wear Layer, Inlaid With Polyglass Backing, Commercial Vinyl Sheet Flooring (Armstrong® Possibilities® Petit Point™)	5.09	0.56
		For Up To 40, Add	*2.50*	
		For >40 To 100, Add	*1.25*	
		For >1,000, Deduct	*-0.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 16 23-0006	SF	0.080" Overall Thickness, 0.060" Wear Layer, Inlaid With Felt Backing, Commercial Vinyl Sheet Flooring (Armstrong® Medintech Tandem®)	6.78	0.56
		For Up To 40, Add	*2.84*	
		For >40 To 100, Add	*1.42*	
		For >1,000, Deduct	*-0.56*	
09 65 16 23-0007	SF	0.080" Overall Thickness, 0.020" Wear Layer, Slip Retardant Surface, Commercial Vinyl Sheet Flooring (Armstrong® Safeguard®)	9.34	0.56
		For Up To 40, Add	*3.35*	
		For >40 To 100, Add	*1.68*	
		For >1,000, Deduct	*-0.82*	

09 65 16 23-0008 Heat Welding Vinyl Sheet Flooring Seams *(09 65 16 23)*

Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.

09 65 16 23-0009	LF	Heat Weld Non-Patterned Vinyl Sheet Flooring Seams	5.22	
09 65 16 23-0010	LF	Heat Weld Patterned Vinyl Sheet Flooring Seams	5.50	

09 65 16 23-0011 Forming Vinyl Sheet Flooring Inside/Outside Cove Corners *(09 65 16 23)*

Note: Excludes heat welding.

09 65 16 23-0012	EA	Forming Vinyl Sheet Flooring Inside/Outside Cove Corners	12.45	

09 65 16 23-0013 Vinyl Sheet Flooring Accessories *(09 65 16 23)*

09 65 16 23-0014	LF	1/2" Radius Vinyl Cove Filler Strip	2.96	
09 65 16 23-0015	LF	1-1/4" Radius Vinyl Cove Filler Strip	2.68	
09 65 16 23-0016	LF	1-1/2" Radius Vinyl Cove Filler Strip	4.03	
09 65 16 23-0017	LF	1/8" Aluminum Cove Cap	2.15	

09 65 19 Resilient Tile Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete. Demolition includes removal of the tile and adhesive and cleaning of the surface for a new floor.

09 65 19 19 Vinyl Composition Tile Flooring *(09 65 19)*

09 65 19 19-0001 Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 1 solid color tile, Class 2 through pattern tile or Class 3 surface pattern tile as listed in the task description.

09 65 19 19-0002	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Imperial Texture®)	3.02	1.12
		For >1,000 To 3,000, Deduct	*-0.07*	
		For >3,000 To 6,000, Deduct	*-0.17*	
		For >6,000, Deduct	*-0.31*	
		For 3/32" Thick, Deduct	*-0.16*	
		For Extra Stock, Material Only, Deduct	*-1.31*	
09 65 19 19-0003	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon MultiColor™)	2.91	1.12
		For >1,000 To 3,000, Deduct	*-0.07*	
		For >3,000 To 6,000, Deduct	*-0.16*	
		For >6,000, Deduct	*-0.30*	
		For Extra Stock, Material Only, Deduct	*-1.31*	
09 65 19 19-0004	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Standard Excelon Rave®)	2.91	1.12
		For >1,000 To 3,000, Deduct	*-0.07*	
		For >3,000 To 6,000, Deduct	*-0.16*	
		For >6,000, Deduct	*-0.30*	
		For Extra Stock, Material Only, Deduct	*-1.31*	
09 65 19 19-0005	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® ChromaSpin™)	4.39	1.12
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.22*	
		For >6,000, Deduct	*-0.39*	
		For Extra Stock, Material Only, Deduct	*-1.31*	
09 65 19 19-0006	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Companion Square®)	4.40	1.12
		For >1,000 To 3,000, Deduct	*-0.09*	
		For >3,000 To 6,000, Deduct	*-0.22*	
		For >6,000, Deduct	*-0.39*	
		For Extra Stock, Material Only, Deduct	*-1.31*	
09 65 19 19-0007	SF	1/8" Thick, Class 3 Surface Pattern, Vinyl Composition Tile (VCT) (Armstrong® Arteffects®)	4.68	1.12
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.24*	
		For >6,000, Deduct	*-0.41*	
		For Extra Stock, Material Only, Deduct	*-1.31*	
09 65 19 19-0008	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Excelon Stonetex®)	4.72	1.12
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.24*	
		For >6,000, Deduct	*-0.41*	
		For Extra Stock, Material Only, Deduct	*-1.31*	
09 65 19 19-0009	SF	1/8" Thick, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Raffia™)	4.90	1.12
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.24*	
		For >6,000, Deduct	*-0.42*	
		For Extra Stock, Material Only, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 19 19-0010	SF	1/8" Thick, Slip Retardant, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® Safety Zone™)	6.51	1.12
		For >1,000 To 3,000, Deduct	*-0.14*	
		For >3,000 To 6,000, Deduct	*-0.31*	
		For >6,000, Deduct	*-0.51*	
		For Extra Stock, Material Only, Deduct	*-1.31*	
09 65 19 19-0011	SF	1/8" Thick, Class 1 Solid Color, Vinyl Composition Tile (VCT) (Armstrong® Excelon Feature™)	7.14	1.12
		For >1,000 To 3,000, Deduct	*-0.15*	
		For >3,000 To 6,000, Deduct	*-0.33*	
		For >6,000, Deduct	*-0.55*	
		For Extra Stock, Material Only, Deduct	*-1.31*	

09 65 19 19-0012 Static Dissipative Vinyl Composition Tile (VCT) *(09 65 19 19)*

Note: The following vinyl composition tiles are certified to ASTM F 1066 Class 2 through pattern tile as listed in the task description.

09 65 19 19-0013	SF	1/8" Thick, Static Dissipative, Class 2 Through Pattern, Vinyl Composition Tile (VCT) (Armstrong® SDT™)	12.38	1.12
		For >1,000 To 3,000, Deduct	*-0.26*	
		For >3,000 To 6,000, Deduct	*-0.58*	
		For >6,000, Deduct	*-0.95*	
		For Extra Stock, Material Only, Deduct	*-2.22*	
09 65 19 19-0014	SF	1/8" Thick, Static Dissipative, Soild Vinyl Composition Tile (VCT) (Staticworx, Ameriworx® ESD)	10.11	1.12
		For Up To 20, Add	*2.45*	
		For >20 To 40, Add	*1.48*	
		For >40 To 80, Add	*0.62*	
		For >1,000 To 3,000, Deduct	*-0.21*	
		For >3,000 To 6,000, Deduct	*-0.49*	
		For >6,000, Deduct	*-0.82*	
		For Extra Stock, Material Only, Deduct	*-2.22*	

09 65 19 23 Vinyl Tile Flooring *(09 65 19)*

09 65 19 23-0001 Vinyl Tile *(09 65 19 23)*

Note: Any size.

09 65 19 23-0002 Solid Vinyl Tile (SVT) *(09 65 19 23-0001)*

Note: The following solid vinyl tiles are certified to ASTM F 1700.

09 65 19 23-0003	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande)	7.88	1.12
		For Up To 20, Add	*1.95*	
		For >20 To 40, Add	*1.17*	
		For >40 To 80, Add	*0.49*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.38*	
		For >6,000, Deduct	*-0.64*	
09 65 19 23-0004	SF	1/8" Thick, Class 1 Type A, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Karim Kolors)	8.10	1.12
		For Up To 20, Add	*1.98*	
		For >20 To 40, Add	*1.19*	
		For >40 To 80, Add	*0.50*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.39*	
		For >6,000, Deduct	*-0.66*	
09 65 19 23-0005	SF	1/8" Thick, Slip Retardant, Class 1 Type B, Homogeneous, Solid Vinyl Tile (SVT) (Tarkett® Azrock® Cortina Grande SR)	8.25	1.12
		For Up To 20, Add	*2.00*	
		For >20 To 40, Add	*1.21*	
		For >40 To 80, Add	*0.51*	
		For >1,000 To 3,000, Deduct	*-0.17*	
		For >3,000 To 6,000, Deduct	*-0.40*	
		For >6,000, Deduct	*-0.67*	

09 65 19 23-0006 Luxury Vinyl Tile (LVT) *(09 65 19 23-0001)*

09 65 19 23-0007	SF	2.5mm Thick, Luxury Vinyl Tile (LVT) (Mannington Amtico)	9.51	1.12
		For Up To 20, Add	*2.19*	
		For >20 To 40, Add	*1.33*	
		For >40 To 80, Add	*0.57*	
		For >1,000 To 3,000, Deduct	*-0.20*	
		For >3,000 To 6,000, Deduct	*-0.45*	
		For >6,000, Deduct	*-0.74*	

09 65 19 33 Rubber Tile Flooring *(09 65 19)*

09 65 19 33-0001 Rubber Tile *(09 65 19 33)*

09 65 19 33-0002 Rubber Tile With Raised Discs, Assorted Colors *(09 65 19 33-0001)*

09 65 19 33-0003	SF	1/8" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	14.97	0.68
		For Up To 100, Add	*0.82*	
09 65 19 33-0004	SF	3/16" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	18.12	0.75
		For Up To 100, Add	*0.98*	
09 65 19 33-0005	SF	7/32" Thick Rubber Tile With Raised Discs Note: Smooth, raised disc or other patterned surface.	20.14	0.90
		For Up To 100, Add	*1.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 65 19 43 Polyester Composition Tile Flooring *(09 65 19)*

09 65 19 43-0001 Polyester Composition Floor Tile *(09 65 19 43)*

Note: Any size.

09 65 19 43-0002	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Migrations®)	4.49	1.12
		For >1,000 To 3,000, Deduct	*-0.10*	
		For >3,000 To 6,000, Deduct	*-0.23*	
		For >6,000, Deduct	*-0.39*	
		For Extra Stock, Material Only, Deduct	*-1.31*	
09 65 19 43-0003	SF	1/8" Thick, Polyester Composition Floor Tile (Armstrong® BioBased Tile® Striations®)	5.16	1.12
		For >1,000 To 3,000, Deduct	*-0.11*	
		For >3,000 To 6,000, Deduct	*-0.25*	
		For >6,000, Deduct	*-0.43*	
		For Extra Stock, Material Only, Deduct	*-1.31*	

09 65 23 Resilient Plank Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 23 00-0001 Vinyl Plank Flooring *(09 65 23)*

09 65 23 00-0002	SF	0.110" Overall Thickness, 0.012" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	5.52	0.56
		For Up To 40, Add	*2.59*	
		For >40 To 100, Add	*1.29*	
		For >1,000, Deduct	*-0.44*	
09 65 23 00-0003	SF	0.135" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	6.92	0.56
		For Up To 40, Add	*2.87*	
		For >40 To 100, Add	*1.43*	
		For >1,000, Deduct	*-0.58*	
09 65 23 00-0004	SF	0.16" Overall Thickness, 0.020" Wear Layer, Vinyl Plank Flooring (Armstrong® Luxe Plank™)	7.80	0.56
		For Up To 40, Add	*3.04*	
		For >40 To 100, Add	*1.52*	
		For >1,000, Deduct	*-0.67*	

09 65 43 Linoleum Flooring *(09 65)*

Note: Includes mastic and cleaning floor after installation is complete.

09 65 43 00-0001 Linoleum Flooring *(09 65 43)*

09 65 43 00-0002	SF	Linoleum Tile (Forbo Marmoleum Composition Tile, MCT)	4.85	1.12
09 65 43 00-0003	SF	2.5 mm, Linoleum Sheet (Forbo Marmoleum)	3.58	0.56
		For 3.2mm Thickness, Add	*0.49*	
		For 2mm Thickness, Deduct	*-0.23*	
09 65 43 00-0004	LF	Heat Weld Linoleum Sheet Flooring Seams	5.23	
		Note: For areas requiring seamless installations and superior infection control. Includes routing or hand grooving seams, installing welding rod with heat welding gun, trimming the weld rod flush with the floor surface and applying a protective finish to seam.		

09 65 66 Resilient Athletic Flooring *(09 65)*

09 65 66 00-0001 Recycled Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0002	SF	3/8" Height, Recycled Rubber, Interlocking Athletic Tile	5.02	0.52
		For Colors, Add	*0.85*	
09 65 66 00-0003	SF	1/2" Height, Recycled Rubber, Interlocking Athletic Tile	5.85	0.66
		For Colors, Add	*0.98*	
09 65 66 00-0004	SF	3/4" Height, Recycled Rubber, Interlocking Athletic Tile	6.83	1.05
		For Colors, Add	*1.07*	
09 65 66 00-0005	SF	1" Height, Recycled Rubber, Interlocking Athletic Tile	9.87	1.27
		For Colors, Add	*1.61*	

09 65 66 00-0006 Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tiles *(09 65 66)*

09 65 66 00-0007	SF	3/8" Height, Black Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-155)	26.35	0.52
		For Colors, Add	*3.20*	
09 65 66 00-0008	SF	9/16" Height, Black Raised Squares Surface, Closed Cell, 100 Percent Virgin Rubber, Hidden Interlocking Athletic Tile (Pawling HL-100)	38.09	0.52
		For Colors, Add	*4.67*	
09 65 66 00-0009	SF	3/8" Height, Black Raised Discs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-100)	27.82	0.52
		For Colors, Add	*3.38*	
09 65 66 00-0010	SF	9/16" Height, Black Raised Nubs Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling PL-200)	34.22	0.52
		For Colors, Add	*4.18*	
09 65 66 00-0011	SF	7/16" Height, Black Reversible Hammered Surface, Closed Cell, 100 Percent Virgin Rubber, Interlocking Athletic Tile (Pawling FL-150)	28.61	0.52
		For Colors, Add	*3.48*	

09 65 66 00-0012 Sheet Goods For Gym *(09 65 66)*

09 65 66 00-0013	SF	1/4" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	11.08	2.24
09 65 66 00-0014	SF	9/32" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	11.71	2.32
09 65 66 00-0015	SF	3/8" Polyvinyl Chloride (PVC) Cushioned Synthetic Gym Floor	12.27	2.39
09 65 66 00-0016	SF	1/8" Rubber Sheet Good For Gym Floor Base	4.07	1.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 65 66 00-0017	SF	3/16" Rubber Sheet Good For Gym Floor Base	4.56	2.10
09 65 66 00-0018	SF	1/4" Rubber Sheet Good For Gym Floor Base	5.27	2.24
09 65 66 00-0019	SF	3/8" Rubber Sheet Good For Gym Floor Base	5.79	2.39
09 65 66 00-0020	SF	1/2" Rubber Sheet Good For Gym Floor Base	6.13	2.54

09 65 66 00-0021 Polyurethane Floor Systems *(09 65 66)*
See CSI section 09 93 23 53-0015 for game lines.

09 65 66 00-0022	SF	9 mm Thick Base Coat, 2 mm Thick Top Coat, Polyurethane Floor System With Polyurethane/Rubber Granulate Base (Robbins Pulastic)	16.07	1.49

09 66 Terrazzo Flooring *(09 60)*

09 66 13 Portland Cement Terrazzo Flooring *(09 66)*
Note: Excludes divider strips. See CSI section 09 66 33 00-0000 for conductive terrazzo.

09 66 13 13 Sand Cushion Terrazzo Flooring *(09 66 13)*

09 66 13 13-0001 Floors Not Bonded To Concrete *(09 66 13 13)*
Note: 3" Thick - 5/8" topping and 1/4" sand cushion.

09 66 13 13-0002	SF	Terrazzo Floor, Not Bonded, Gray Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	28.38	2.48
		For Venetian Type Terrazzo, Add	*7.57*	
		For Abrasive Heavy Duty Terrazzo, Add	*7.57*	
		For Colors, Add	*3.79*	
		For Up To 100, Add	*6.81*	
		For >100 To 250, Add	*3.41*	
09 66 13 13-0003	SF	Terrazzo Floor, Not Bonded, White Cement 3" Thick With 5/8" Topping, 1/4" Sand Cushion	28.52	2.48
		For Venetian Type Terrazzo, Add	*7.64*	
		For Abrasive Heavy Duty Terrazzo, Add	*7.64*	
		For Colors, Add	*3.82*	
		For Up To 100, Add	*6.82*	
		For >100 To 250, Add	*3.41*	

09 66 13 16 Monolithic Terrazzo Flooring *(09 66 13)*

09 66 13 16-0001 Monolithic Terrazzo *(09 66 13 16)*

09 66 13 16-0002	SF	Monolithic Terrazzo, 3-1/2" Base 5/8" Topping, 4' To 5' Square Panels Topping Note: Including Mesh And Felt	15.83	2.48
		For Venetian Type Terrazzo, Add	*5.51*	
		For Abrasive Heavy Duty Terrazzo, Add	*5.51*	
		For Colors, Add	*2.76*	
		For Up To 100, Add	*3.03*	
		For >100 To 250, Add	*1.51*	

09 66 13 19 Bonded Terrazzo Flooring *(09 66 13)*

09 66 13 19-0001 Floors Bonded To Concrete *(09 66 13 19)*
Note: 1-3/4" Thick - 5/8" topping.

09 66 13 19-0002	SF	Terrazzo Floor, Bonded To Concrete, Gray Cement 1-3/4" Thick With 5/8" Topping	22.67	2.48
		For Venetian Type Terrazzo, Add	*6.25*	
		For Abrasive Heavy Duty Terrazzo, Add	*6.25*	
		For Colors, Add	*3.12*	
		For Up To 100, Add	*5.32*	
		For >100 To 250, Add	*2.66*	
09 66 13 19-0003	SF	Terrazzo Floor, Bonded To Concrete, White Cement 1-3/4" Thick With 5/8" Topping	22.82	2.48
		For Venetian Type Terrazzo, Add	*6.32*	
		For Abrasive Heavy Duty Terrazzo, Add	*6.32*	
		For Colors, Add	*3.16*	
		For Up To 100, Add	*5.34*	
		For >100 To 250, Add	*2.67*	

09 66 13 19-0004 Terrazzo Wainscot *(09 66 13 19)*

09 66 13 19-0005	SF	1-1/2" Thick Terrazzo Wainscot, Cast In Place, Bonded To Concrete Or Masonry	30.13	3.31
		For Venetian Type Terrazzo, Add	*4.04*	

09 66 13 19-0006 Terrazzo Base *(09 66 13 19)*

09 66 13 19-0007	SF	6" Cove Type Terrazzo Base, Cast In Place, Bonded To Concrete Or Masonry	29.96	2.21
		For Venetian Type Terrazzo, Add	*8.82*	

09 66 13 19-0008 Terrazzo Curb *(09 66 13 19)*

09 66 13 19-0009	LF	6" x 6" Terrazzo Curb, Cast In Place, Polished Top And 2 Faces	72.78	14.78
		For Venetian Type Terrazzo, Add	*11.76*	

09 66 13 19-0010 Stairs Cast In Place *(09 66 13 19)*
Note: Topping applied to concrete or metal.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 13 19-0011	LF	1-1/2" Thick x 12" Wide, Terrazzo Stair, Cast In Place, Bonded To Concrete Or Metal	30.67	4.97
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0012	LF	Terrazzo Stair Tread And Riser, Cast In Place, Bonded To Concrete Or Metal	76.29	16.54
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	
09 66 13 19-0013	SF	Terrazzo Stair Stringer And Fascia, Cast In Place, Bonded To Concrete Or Metal	31.12	4.97
		For Each SF Of Abrasive Surface Finish, Add	*0.35*	
		For Each LF Of Embedded Abrasive Strips, Add	*0.56*	
		For Each LF Of Abrasive Metal Nosing, Add	*3.90*	
		For Each SF Of Landings, Add	*1.50*	

09 66 13 19-0014 Divider Strips *(09 66 13 19)*

09 66 13 19-0015	LF	1-1/4" Deep, 14 Gauge, Zinc Plated Steel, Divider Strip	4.30	0.82
09 66 13 19-0016	LF	1-1/4" Deep, 14 Gauge, Brass, Divider Strip	4.81	0.82
09 66 13 19-0017	LF	1-1/4" Deep, 1/4" Thick, Zinc Plated Steel, Heavy Top Strip	6.61	0.82
09 66 13 19-0018	LF	1-1/4" Deep, 1/4" Thick, Galvanized Steel Bottom, Brass, Heavy Top Strip	9.62	0.82
09 66 13 19-0019	LF	1/2" x 1/2", 16 Gauge, Zinc Plated Steel, Divider Strip For Thin Set Floors	4.16	0.82
09 66 13 19-0020	LF	1/2" x 1/2", 16 Gauge, Brass, Divider Strip For Thin Set Floors	6.06	0.82
09 66 13 19-0021	LF	Vinyl Plastic, Divider Strip For Floor	4.67	0.82

09 66 16 Terrazzo Floor Tile *(09 66)*

09 66 16 13 Portland Cement Terrazzo Floor Tile *(09 66 16)*

09 66 16 13-0001 Flooring Tiles *(09 66 16 13)*

Note: Gray cement setting bed 3/16" polyester matrix or 1/2" cement matrix 12" x 12".

09 66 16 13-0002 Terrazzo Tiles With Non Slip Surface *(09 66 16 13-0001)*

09 66 16 13-0003	SF	9" x 9" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	25.64	2.31
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0004	SF	12" x 12" x 1" Non Slip Precast Terrazzo, Thin Set Floor Tile	26.26	2.31
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0005	SF	12" x 12" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	30.43	2.31
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0006	SF	18" x 18" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	32.65	2.31
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0007	SF	24" x 24" x 1-1/2" Non Slip Precast Terrazzo, Thin Set Floor Tile	34.26	2.31
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

09 66 16 13-0008 Terrazzo Tile Thin Set *(09 66 16 13-0001)*

09 66 16 13-0009	SF	Precast Terrazzo, 1/4"-1/2" Chips Floor Tiles, Thin Set Gray Cement Bed	25.43	2.31
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	
09 66 16 13-0010	SF	Precast Terrazzo, 3/8"-1" Chips Floor Tiles, Thin Set Gray Cement Bed	27.15	2.31
		For White Cement, Add	*0.36*	
		For Venetian Type Terrazzo, Add	*2.00*	

09 66 16 13-0011 Thin Set Terrazzo Wainscot *(09 66 16 13-0001)*

09 66 16 13-0012	SF	12" x 12" x 1" Terrazzo Tile Wainscot Thin Set	37.10	4.43
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0013	SF	18" x 18" x 1-1/2" Terrazzo Tile Wainscot Thin Set	42.21	4.43
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

09 66 16 13-0014 Thin Set Terrazzo Base, Gray Cement *(09 66 16 13-0001)*

09 66 16 13-0015	LF	6" High, Straight Terrazzo Base Thin Set, Gray Cement	12.54	2.21
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0016	LF	6" High, Cove Terrazzo Base Thin Set, Gray Cement	14.14	2.21
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0017	LF	8" High, Straight Terrazzo Base Thin Set, Gray Cement	14.71	2.21
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0018	LF	8" High, Cove Terrazzo Base Thin Set, Gray Cement	15.51	2.21
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 66 16 13-0019		Terrazzo Curbs *(09 66 16 13-0001)*		
09 66 16 13-0020	LF	8" x 8" Curb, Terrazzo Tile	24.45	2.96
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0021	LF	6" x 6" Curb, Terrazzo Tile	23.65	2.96
		For Each LF Of White Cement, Add	*0.50*	
		For Each LF Of Zinc Toe Strip, Add	*1.00*	
09 66 16 13-0022		Precast Terrazzo Stair Treads 12" Wide *(09 66 16 13-0001)*		
09 66 16 13-0023	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Diamond Pattern	63.50	2.96
09 66 16 13-0024	LF	1-1/2" Precast Terrazzo Stair Tread 12" Wide x 1-1/2" Thick, Non Slip Surface	53.91	2.96
09 66 16 13-0025	LF	2" Precast Terrazzo Straight Stair Tread	47.51	2.96
09 66 16 13-0026	LF	2" Precast Terrazzo Curved Stair Tread	55.77	2.96
09 66 16 13-0027		Stair Risers, 1" Thick To 6" High, Straight *(09 66 16 13-0001)*		
09 66 16 13-0028	LF	1"-6" High Precast Terrazzo Stair Riser Straight Section, Thin Set	28.42	2.21
09 66 16 13-0029	LF	1"-6" High Precast Terrazzo Stair Riser Straight Cove Section, Thin Set	33.22	2.21
09 66 16 13-0030		Stair Risers, 1" Thick To 6" High, Curved *(09 66 16 13-0001)*		
09 66 16 13-0031	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Vertical Section, Thin Set	42.28	2.21
09 66 16 13-0032	LF	1" To 6" High Precast Terrazzo Stair Riser Curved Cove Section, Thin Set	45.48	2.21
09 66 16 13-0033		Tread And Riser *(09 66 16 13)*		
09 66 16 13-0034		Stair Stringers, Notched For Treads And Risers *(09 66 16 13-0033)*		
09 66 16 13-0035	LF	1" Precast Terrazzo Stair Stringers Notched For Treads And Risers	70.35	5.91
09 66 16 13-0036	LF	2" Precast Terrazzo Stair Stringers Notched For Treads And Risers	85.06	5.91
09 66 16 13-0037		Structural Non-Slip Landings *(09 66 16 13-0033)*		
09 66 16 13-0038	SF	1-1/2" Thick Precast Terrazzo Stair Landing Structural, Non Slip	50.84	2.96
09 66 16 13-0039	SF	3" Thick Precast Terrazzo Stair Landing Structural, Non Slip	62.87	2.96
09 66 16 13-0040		Combined Tread And Riser *(09 66 16 13-0033)*		
09 66 16 13-0041		Straight Sections *(09 66 16 13-0040)*		
09 66 16 13-0042	LF	Precast Terrazzo Stair Tread And Riser 1-1/2" Tread, 3/4" Riser, Straight Section	112.25	5.91
09 66 16 13-0043	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Straight Section	134.63	5.91
09 66 16 13-0044		Curved Sections *(09 66 16 13-0040)*		
09 66 16 13-0045	LF	Precast Terrazzo Stair Tread And Riser 2" Tread, 1" Riser, Curved Section	141.33	5.91
09 66 16 13-0046	LF	Precast Terrazzo Stair Tread And Riser 3" Tread, 1" Riser, Curved Section	179.70	5.91
09 66 23		**Resinous Matrix Terrazzo Flooring** *(09 66)*		
09 66 23 16		**Epoxy-Resin Terrazzo Flooring** *(09 66 23)*		
09 66 23 16-0001		Epoxy Terrazzo *(09 66 23 16)*		
09 66 23 16-0002	SF	Chemical Resistant Epoxy Terrazzo, 1/4" Thick	21.68	2.48
09 66 33		**Conductive Terrazzo Flooring** *(09 66)*		
		Note: For anti-static areas.		
09 66 33 13		**Conductive Epoxy-Resin Terrazzo** *(09 66 33)*		
09 66 33 13-0001	SF	Terrazzo, Epoxy System, Floor Sparkproof, Conductive, Industrial	22.07	3.69
09 66 33 13-0002	SF	Terrazzo, Epoxy System, Base Sparkproof, Conductive, Industrial	40.61	3.69
09 66 33 16		**Conductive Polyester-Resin Terrazzo Flooring** *(09 66 33)*		
09 66 33 16-0001	SF	Terrazzo, Polyester System, Floor Sparkproof, Conductive, Industrial	16.78	3.69
09 66 33 16-0002	SF	Terrazzo, Polyester System, Base Sparkproof, Conductive, Industrial	29.41	3.69
09 66 33 19		**Conductive Plastic-Matrix Terrazzo Flooring** *(09 66 33)*		
09 66 33 19-0001	SF	Terrazzo, Polyacrylate System, Floor Sparkproof, Conductive, Industrial	18.71	3.69
09 66 33 19-0002	SF	Terrazzo, Polyacrylate System, Base Sparkproof, Conductive, Industrial	36.45	3.69
09 66 33 19-0003	SF	Terrazzo, Synthetic Latex Mastic System, Floor Sparkproof, Conductive, Industrial	27.53	3.69
09 66 33 19-0004	SF	Terrazzo, Synthetic Latex Mastic System, Base Sparkproof, Conductive, Industrial	31.05	3.69

09 67 Fluid-Applied Flooring *(09 60)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 67 16		**Epoxy-Marble Chip Flooring** *(09 67)*		
09 67 16 00-0001		Epoxy Marble Chip Flooring *(09 67 16)*		
09 67 16 00-0002	SF	Epoxy Marble Floor With Colored Quartz Chips In 1/4" Base	13.00	2.48
		Note: Includes primer, 1/4" epoxy marble coat with quartz chips and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
09 67 16 00-0003	SF	Epoxy Marble Chip Floor, Topping 3/16" Thick, Heavy Duty Epoxy	13.78	2.48
		Note: Includes primer, 3/16" marble chip coat and top seal coat.		
		For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
09 67 23		**Resinous Flooring** *(09 67)*		
09 67 23 00-0001		Epoxy Resin Flooring *(09 67 23)*		
		Note: Includes primer, slurry coat(s) and top coat(s) (assorted colors). Excludes existing floor preparation of sand/bead blasting or two pass floor grinding, degreasing and cleaning of existing floor system prior to application if applied directly to floor. Excludes floor patching, saw cutting joints, additional grinding of existing floor, leveling of floor, removal of existing floor or tiles, and applied markings or stripes. See CSI section 03 35 43 00-0001 for additional floor polish grinding.		
09 67 23 00-0002	SF	3/16" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	11.41	5.62
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
		For Up To 500, Add	*2.19*	
		For >500 To 1,000, Add	*1.38*	
		For >1,000 To 2,000, Add	*0.69*	
09 67 23 00-0003	SF	3/16" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	17.21	5.62
		Note: Includes primer, one 3/16" slurry coat and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.11*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.11*	
		For Up To 500, Add	*3.64*	
		For >500 To 1,000, Add	*2.25*	
		For >1,000 To 2,000, Add	*1.13*	
09 67 23 00-0004	SF	1/4" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	13.60	6.29
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.05*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.05*	
		For Up To 500, Add	*2.57*	
		For >500 To 1,000, Add	*1.63*	
		For >1,000 To 2,000, Add	*0.81*	
09 67 23 00-0005	SF	1/4" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	20.23	6.29
		Note: Includes primer, two 1/8" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.12*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.12*	
		For Up To 500, Add	*4.23*	
		For >500 To 1,000, Add	*2.62*	
		For >1,000 To 2,000, Add	*1.31*	
09 67 23 00-0006	SF	3/8" Heavy Duty (6,000 To 7,500 PSI) Epoxy Flooring Trowel Applied Mortar Compound	15.36	7.03
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.06*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.06*	
		For Up To 500, Add	*2.92*	
		For >500 To 1,000, Add	*1.85*	
		For >1,000 To 2,000, Add	*0.92*	
09 67 23 00-0007	SF	3/8" Chemical Resistant (10,000 To 12,000 PSI) Epoxy Flooring Trowel Applied Mortar Compound	22.40	7.03
		Note: Includes primer, two 3/16" slurry coats and top seal coats (color).		
		For Skid Resistant Abrasive Sand Finish, Add	*0.13*	
		For Skid Resistant, Orange Peel Texture, Non-Abrasive Topping, Add	*0.13*	
		For Up To 500, Add	*4.68*	
		For >500 To 1,000, Add	*2.90*	
		For >1,000 To 2,000, Add	*1.45*	
09 68		Carpeting *(09 60)*		
		Note: No VOC carpet and adhesives. Includes tack strips, glue and floor fastenings as required and vacuuming.		
09 68 13		**Tile Carpeting** *(09 68)*		
09 68 13 00-0001		Tufted Carpet Tiles *(09 68 13)*		
		Note: Level-loop pile or textured-loop pile carpet tiles. Includes glue or peel and stick backing.		
09 68 13 00-0002		Patterned Carpet Tiles (Shaw) *(09 68 13 00-0001)*		
09 68 13 00-0003		15 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*		
09 68 13 00-0004	SY	COMPANION STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	26.33	4.50
09 68 13 00-0005	SY	CORRESPOND STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	26.33	4.50
09 68 13 00-0006	SY	PARTNER STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	26.33	4.50
09 68 13 00-0007	SY	CENTRIC ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	31.70	4.50
09 68 13 00-0008	SY	SURROUND ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	31.70	4.50
09 68 13 00-0009	SY	GLAZE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.00	4.50
09 68 13 00-0010	SY	TRANSPARENT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.32	4.50
09 68 13 00-0011	SY	CLEAR ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.31	4.50
09 68 13 00-0012	SY	DIRECTION ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.43	4.50
09 68 13 00-0013	SY	REVERSE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.43	4.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0014	SY	SHAPE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.43	4.50
09 68 13 00-0015	SY	ARRANGE STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	25.54	4.50
09 68 13 00-0016	SY	ARRAY STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	25.54	4.50
09 68 13 00-0017	SY	OFFSET STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	25.54	4.50
09 68 13 00-0018	SY	STRUCTURE STRATAWORX® 15 Ounce, Patterned, Nylon Carpet Tile	25.54	4.50
09 68 13 00-0019	SY	POURED ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	29.58	4.50
09 68 13 00-0020	SY	STACKED ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	29.58	4.50
09 68 13 00-0021	SY	COMMONS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	30.07	4.50
09 68 13 00-0022	SY	MAKERSPACE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	30.07	4.50
09 68 13 00-0023	SY	QUAD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	30.07	4.50
09 68 13 00-0024	SY	DIFFUSE 24" X 24" ECOLOGIX® 15 Ounce, Patterned, Nylon Carpet Tile	32.35	4.50
09 68 13 00-0025	SY	DIFFUSE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	32.88	4.50
09 68 13 00-0026	SY	DISPERSE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	32.88	4.50
09 68 13 00-0027	SY	DISPERSE 24" X 24" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	33.99	4.50
09 68 13 00-0028	SY	DIFFUSE 24" X 24" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.22	4.50
09 68 13 00-0029	SY	INFINITE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.05	4.50
09 68 13 00-0030	SY	VAST ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.05	4.50
09 68 13 00-0031	SY	TANGLE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.60	4.50
09 68 13 00-0032	SY	TEMPT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.60	4.50
09 68 13 00-0033	SY	ENGAGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.79	4.50
09 68 13 00-0034	SY	THINK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.79	4.50
09 68 13 00-0035	SY	DIFFUSE 24" X 24" ECOLOGIX® ES 15 Ounce, Patterned, Nylon Carpet Tile	35.20	4.50
09 68 13 00-0036	SY	SCAPE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.91	4.50
09 68 13 00-0037	SY	REALM ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.98	4.50
09 68 13 00-0038	SY	SEA ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	31.38	4.50
09 68 13 00-0039	SY	SEA EDGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	31.38	4.50
09 68 13 00-0040	SY	SKY ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	31.38	4.50
09 68 13 00-0041	SY	CENTRAL LINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	32.57	4.50
09 68 13 00-0042	SY	CITY CENTRAL ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	32.57	4.50
09 68 13 00-0043	SY	BOUNDLESS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	32.66	4.50
09 68 13 00-0044	SY	SOURCE 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	32.66	4.50
09 68 13 00-0045	SY	UNDERTONE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	33.75	4.50
09 68 13 00-0046	SY	HYBRID ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.67	4.50
09 68 13 00-0047	SY	CATALYST ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.67	4.50
09 68 13 00-0048	SY	EMBARK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.50	4.50
09 68 13 00-0049	SY	TINGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	34.82	4.50
09 68 13 00-0050	SY	IMPACT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.15	4.50
09 68 13 00-0051	SY	ALLURE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.45	4.50
09 68 13 00-0052	SY	GLIMMER ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.45	4.50
09 68 13 00-0053	SY	SHINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.45	4.50
09 68 13 00-0054	SY	BASALT II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.71	4.50
09 68 13 00-0055	SY	FAULT LINES II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.71	4.50
09 68 13 00-0056	SY	GRAVEL II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.71	4.50
09 68 13 00-0057	SY	PAVERS II ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.71	4.50
09 68 13 00-0058	SY	CONNECT ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	35.94	4.50
09 68 13 00-0059	SY	FIELD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	36.66	4.50
09 68 13 00-0060	SY	BYLINE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	36.95	4.50
09 68 13 00-0061	SY	COLOR FORM 9" X 36" ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	36.79	4.50
09 68 13 00-0062	SY	LINAGE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	37.01	4.50
09 68 13 00-0063	SY	LINK ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	37.01	4.50
09 68 13 00-0064	SY	BALANCE ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	38.24	4.50
09 68 13 00-0065	SY	FOCUS ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	38.53	4.50
09 68 13 00-0066	SY	WANDER ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	39.63	4.50
09 68 13 00-0067	SY	EMOTION ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	40.27	4.50
09 68 13 00-0068	SY	STRAIGHTFORWARD ECOWORX® 15 Ounce, Patterned, Nylon Carpet Tile	40.76	4.50

09 68 13 00-0069 18 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0070	SY	BELONG ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	30.09	4.50
09 68 13 00-0071	SY	EASE 9" X 36" ECOLOGIX® 18 Ounce, Patterned, Nylon Carpet Tile	32.30	4.50
09 68 13 00-0072	SY	INTERLUDE ECOLOGIX® 18 Ounce, Patterned, Nylon Carpet Tile	32.30	4.50
09 68 13 00-0073	SY	CHALET 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	32.44	4.50
09 68 13 00-0074	SY	ANALOG 18" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	37.67	4.50
09 68 13 00-0075	SY	DISTORT 18" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	37.67	4.50
09 68 13 00-0076	SY	FRINGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	37.63	4.50
09 68 13 00-0077	SY	GLITCH 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	37.67	4.50
09 68 13 00-0078	SY	HAZE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	37.63	4.50
09 68 13 00-0079	SY	MANIPULATE 9" X 36" ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	37.67	4.50
09 68 13 00-0080	SY	VAPOR ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	37.63	4.50
09 68 13 00-0081	SY	CONSTRUCT ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	38.10	4.50
09 68 13 00-0082	SY	COPY ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	38.10	4.50
09 68 13 00-0083	SY	ROTATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	38.10	4.50
09 68 13 00-0084	SY	ACHROMATIC ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	38.09	4.50
09 68 13 00-0085	SY	DUOTONE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	38.09	4.50
09 68 13 00-0086	SY	SATURATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	38.09	4.50
09 68 13 00-0087	SY	VALUE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	38.09	4.50
09 68 13 00-0088	SY	KINETIC ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	40.52	4.50
09 68 13 00-0089	SY	IGNITE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	42.98	4.50
09 68 13 00-0090	SY	STILL ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	42.98	4.50
09 68 13 00-0091	SY	MERGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	43.69	4.50
09 68 13 00-0092	SY	MINIMAL ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	43.69	4.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0093	SY	DREAM ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	30.34	4.50
09 68 13 00-0094	SY	MEMORY ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	30.50	4.50
09 68 13 00-0095	SY	CAPTIVATE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	36.97	4.50
09 68 13 00-0096	SY	INTRIGUE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	37.36	4.50
09 68 13 00-0097	SY	MIRROR IMAGE ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	40.59	4.50
09 68 13 00-0098	SY	PRISMA ECOWORX® 18 Ounce, Patterned, Nylon Carpet Tile	40.72	4.50

09 68 13 00-0099 20 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0100	SY	AWARE 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	34.09	4.50
09 68 13 00-0101	SY	CONSCIOUS 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	34.09	4.50
09 68 13 00-0102	SY	INTENTION 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	34.09	4.50
09 68 13 00-0103	SY	PRESENT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	34.09	4.50
09 68 13 00-0104	SY	MOMENTUM IV ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	34.26	4.50
09 68 13 00-0105	SY	GRADIENT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	35.48	4.50
09 68 13 00-0106	SY	PETO II 20 ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	36.28	4.50
09 68 13 00-0107	SY	FLAT WEAVE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	36.69	4.50
09 68 13 00-0108	SY	HEDDLE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	36.69	4.50
09 68 13 00-0109	SY	CONVENE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	37.00	4.50
09 68 13 00-0110	SY	ESTABLISH ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	37.00	4.50
09 68 13 00-0111	SY	SUPPORT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	37.00	4.50
09 68 13 00-0112	SY	AWARE 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	37.44	4.50
09 68 13 00-0113	SY	CONSCIOUS 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	37.44	4.50
09 68 13 00-0114	SY	INTENTION 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	37.44	4.50
09 68 13 00-0115	SY	PRESENT 18" X 36" ECOLOGIX® 20 Ounce, Patterned, Nylon Carpet Tile	37.44	4.50
09 68 13 00-0116	SY	DASH ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	37.43	4.50
09 68 13 00-0117	SY	TRACK ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	37.43	4.50
09 68 13 00-0118	SY	TURN ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	37.43	4.50
09 68 13 00-0119	SY	AUGMENT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	38.48	4.50
09 68 13 00-0120	SY	HYPE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	38.48	4.50
09 68 13 00-0121	SY	SCULPT LOOP ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	38.40	4.50
09 68 13 00-0122	SY	ALIGN ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	38.54	4.50
09 68 13 00-0123	SY	SCULPT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	38.54	4.50
09 68 13 00-0124	SY	TRACE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	38.54	4.50
09 68 13 00-0125	SY	ABSORBED ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	38.71	4.50
09 68 13 00-0126	SY	VISIBLE ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	39.20	4.50
09 68 13 00-0127	SY	VIBRANT ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	39.20	4.50
09 68 13 00-0128	SY	FINE POINT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	41.52	4.50
09 68 13 00-0129	SY	LINEWEIGHT 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	41.52	4.50
09 68 13 00-0130	SY	STIPPLE 18" X 36" ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	41.52	4.50
09 68 13 00-0131	SY	CHROMA ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	43.77	4.50
09 68 13 00-0132	SY	SPECTRUM ECOWORX® 20 Ounce, Patterned, Nylon Carpet Tile	44.66	4.50

09 68 13 00-0133 22 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0134	SY	REPARTEE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	37.10	4.50
09 68 13 00-0135	SY	ENDLESS ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	37.51	4.50
09 68 13 00-0136	SY	OBSERVE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	37.51	4.50
09 68 13 00-0137	SY	RESPOND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	37.51	4.50
09 68 13 00-0138	SY	TRANSFORM ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	37.51	4.50
09 68 13 00-0139	SY	CHARISMA ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	38.64	4.50
09 68 13 00-0140	SY	APPLIED ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	38.71	4.50
09 68 13 00-0141	SY	DWELLING ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	39.12	4.50
09 68 13 00-0142	SY	SHELTER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	39.12	4.50
09 68 13 00-0143	SY	EMBELLISH ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	40.87	4.50
09 68 13 00-0144	SY	BIAS ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	41.53	4.50
09 68 13 00-0145	SY	KASURI ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	41.53	4.50
09 68 13 00-0146	SY	MESH ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	41.53	4.50
09 68 13 00-0147	SY	FILTER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	43.72	4.50
09 68 13 00-0148	SY	MIGRATE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	43.72	4.50
09 68 13 00-0149	SY	NUANCE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	43.72	4.50
09 68 13 00-0150	SY	ACTIVITY ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	44.35	4.50
09 68 13 00-0151	SY	REST ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	44.35	4.50
09 68 13 00-0152	SY	UNWIND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	44.35	4.50
09 68 13 00-0153	SY	INTERACT ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	44.53	4.50
09 68 13 00-0154	SY	PAUSE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	44.77	4.50
09 68 13 00-0155	SY	STEP ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	44.77	4.50
09 68 13 00-0156	SY	VANTAGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	44.77	4.50
09 68 13 00-0157	SY	DRIFT ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	45.90	4.50
09 68 13 00-0158	SY	EXPAND ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	45.72	4.50
09 68 13 00-0159	SY	AGATE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	46.47	4.50
09 68 13 00-0160	SY	JASPER ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	46.47	4.50
09 68 13 00-0161	SY	MICA ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	46.47	4.50
09 68 13 00-0162	SY	QUARTZ ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	46.47	4.50
09 68 13 00-0163	SY	ABSTRACT EDGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	47.92	4.50
09 68 13 00-0164	SY	VERTICAL EDGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	47.92	4.50
09 68 13 00-0165	SY	HORIZONTAL EDGE ECOWORX® 22 Ounce, Patterned, Nylon Carpet Tile	47.92	4.50

09 68 13 00-0166 24 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0167	SY	CONSTELLATION ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	39.45	4.50
09 68 13 00-0168	SY	OBSERVE COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	39.68	4.50
09 68 13 00-0169	SY	RESPOND COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	39.68	4.50
09 68 13 00-0170	SY	TRANSFORM COLOR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	39.68	4.50
09 68 13 00-0171	SY	FOUNDATION ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	40.51	4.50
09 68 13 00-0172	SY	BLOX ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	40.31	4.50
09 68 13 00-0173	SY	SITE LINES ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	40.88	4.50
09 68 13 00-0174	SY	BLISS ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	41.83	4.50
09 68 13 00-0175	SY	SERENITY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	41.83	4.50
09 68 13 00-0176	SY	TRANQUIL ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	41.83	4.50
09 68 13 00-0177	SY	KUSA ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	42.53	4.50
09 68 13 00-0178	SY	BLOCK PRINT ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	42.91	4.50
09 68 13 00-0179	SY	FADE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	45.28	4.50
09 68 13 00-0180	SY	OVERLAY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	45.28	4.50
09 68 13 00-0181	SY	BLUR ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	45.28	4.50
09 68 13 00-0182	SY	EXPOSE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	45.40	4.50
09 68 13 00-0183	SY	UNCOVER ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	45.40	4.50
09 68 13 00-0184	SY	EXPLORE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	45.74	4.50
09 68 13 00-0185	SY	LINGER ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	45.90	4.50
09 68 13 00-0186	SY	RENEW ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	45.74	4.50
09 68 13 00-0187	SY	FOLDED ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	48.87	4.50
09 68 13 00-0188	SY	FOLDED EDGE ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	48.68	4.50
09 68 13 00-0189	SY	IDENTITY ECOWORX® 24 Ounce, Patterned, Nylon Carpet Tile	52.36	4.50

09 68 13 00-0190 26 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0191	SY	PETO II 26 ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	39.74	4.50
09 68 13 00-0192	SY	BRILLIANCE ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	40.11	4.50
09 68 13 00-0193	SY	STRIKING ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	40.02	4.50
09 68 13 00-0194	SY	IMPRINT ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	42.11	4.50
09 68 13 00-0195	SY	SKETCH ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	42.20	4.50
09 68 13 00-0196	SY	VEIL ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	42.20	4.50
09 68 13 00-0197	SY	DISCOVER ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	42.33	4.50
09 68 13 00-0198	SY	SEEK ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	42.33	4.50
09 68 13 00-0199	SY	CITY GRID ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	42.74	4.50
09 68 13 00-0200	SY	BOTAN ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	43.77	4.50
09 68 13 00-0201	SY	HANA ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	43.77	4.50
09 68 13 00-0202	SY	RELIEF ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	45.40	4.50
09 68 13 00-0203	SY	DEPTH ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	48.17	4.50
09 68 13 00-0204	SY	ANGLE ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	51.63	4.50
09 68 13 00-0205	SY	HONEST ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	52.36	4.50
09 68 13 00-0206	SY	SLAB ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	52.66	4.50
09 68 13 00-0207	SY	BASE HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	53.37	4.50
09 68 13 00-0208	SY	COLOR SHIFT HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	53.37	4.50
09 68 13 00-0209	SY	CONTACT HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	53.37	4.50
09 68 13 00-0210	SY	BEVEL HEXAGON ECOWORX® 26 Ounce, Patterned, Nylon Carpet Tile	61.35	4.50

09 68 13 00-0211 28 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0212	SY	RICHE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	41.85	4.50
09 68 13 00-0213	SY	PRAIRIE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	44.64	4.50
09 68 13 00-0214	SY	CORDED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	45.01	4.50
09 68 13 00-0215	SY	PATH ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	45.75	4.50
09 68 13 00-0216	SY	PORTAL ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	45.75	4.50
09 68 13 00-0217	SY	KNIT ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	46.29	4.50
09 68 13 00-0218	SY	DECOR ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	46.05	4.50
09 68 13 00-0219	SY	CHAIN STITCH ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	46.28	4.50
09 68 13 00-0220	SY	AFFLUENCE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	46.05	4.50
09 68 13 00-0221	SY	BACK WEAVE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	47.06	4.50
09 68 13 00-0222	SY	EXCHANGE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	47.06	4.50
09 68 13 00-0223	SY	KNOTTED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	47.06	4.50
09 68 13 00-0224	SY	PROCESS ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	47.06	4.50
09 68 13 00-0225	SY	CHECK ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	48.88	4.50
09 68 13 00-0226	SY	HOUNDSTOOTH 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	48.88	4.50
09 68 13 00-0227	SY	JACQUARD 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	48.88	4.50
09 68 13 00-0228	SY	TEX28 Ounce, Patterned, Nylon Carpet Tile 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	48.88	4.50
09 68 13 00-0229	SY	THE ECCENTRIC ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	49.03	4.50
09 68 13 00-0230	SY	BATIK 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	49.37	4.50
09 68 13 00-0231	SY	IKAT 18" X 36" ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	49.37	4.50
09 68 13 00-0232	SY	LINEN 28 Ounce, Patterned, Nylon Carpet Tile ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	49.37	4.50
09 68 13 00-0233	SY	THE SOCIALITE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	49.70	4.50
09 68 13 00-0234	SY	PRESENCE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	51.88	4.50
09 68 13 00-0235	SY	STILL LIFE ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	51.88	4.50
09 68 13 00-0236	SY	FAMILIAR ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	52.36	4.50
09 68 13 00-0237	SY	HONED ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	52.66	4.50
09 68 13 00-0238	SY	FORM ECOWORX® 28 Ounce, Patterned, Nylon Carpet Tile	57.40	4.50

09 68 13 00-0239 30 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0240	SY	GLITZ ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	42.73	4.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0241	SY	LUMINOSITY ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	43.46	4.50
09 68 13 00-0242	SY	RADIANCE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	44.02	4.50
09 68 13 00-0243	SY	TAPESTRY 18" X 36" ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	49.37	4.50
09 68 13 00-0244	SY	BEYOND ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	53.90	4.50
09 68 13 00-0245	SY	EXPANSE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	53.90	4.50
09 68 13 00-0246	SY	ALCHEMY ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	57.40	4.50
09 68 13 00-0247	SY	CREATE ECOWORX® 30 Ounce, Patterned, Nylon Carpet Tile	58.43	4.50

09 68 13 00-0248 32 Ounce, Patterned, Nylon Carpet Tile *(09 68 13 00-0002)*

09 68 13 00-0249	SY	ENTWINE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	46.84	4.50
09 68 13 00-0250	SY	INGRAIN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	47.30	4.50
09 68 13 00-0251	SY	EARTH TONE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	47.92	4.50
09 68 13 00-0252	SY	REFLECT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	58.77	4.50
09 68 13 00-0253	SY	RESURFACE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	47.08	4.50
09 68 13 00-0254	SY	BLEND ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	51.58	4.50
09 68 13 00-0255	SY	HINT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	51.58	4.50
09 68 13 00-0256	SY	ORNATE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	51.22	4.50
09 68 13 00-0257	SY	RETHREAD ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	51.22	4.50
09 68 13 00-0258	SY	TECHNIQUE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	51.58	4.50
09 68 13 00-0259	SY	VANISH ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	51.58	4.50
09 68 13 00-0260	SY	BON JOUR ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	41.97	4.50
09 68 13 00-0261	SY	ZONE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	52.97	4.50
09 68 13 00-0262	SY	DYE LAB ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	60.11	4.50
09 68 13 00-0263	SY	DISSOLVE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	54.60	4.50
09 68 13 00-0264	SY	KIT ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	61.47	4.50
09 68 13 00-0265	SY	ARTISAN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	62.72	4.50
09 68 13 00-0266	SY	CLOTH ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	62.55	4.50
09 68 13 00-0267	SY	PLAIN WEAVE ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	62.75	4.50
09 68 13 00-0268	SY	ADORN ECOWORX® 32 Ounce, Patterned, Nylon Carpet Tile	57.46	4.50
09 68 13 00-0269	SY	ENTREE ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	49.32	4.50
09 68 13 00-0270	SY	WELCOME II ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	48.08	4.50
09 68 13 00-0271	SY	BON JOUR II ECOWORX® WALK-OFF 32 Ounce, Patterned, Nylon Carpet Tile	49.32	4.50

09 68 13 00-0272 Non-Patterned Carpet Tiles (Shaw) *(09 68 13 00-0001)*

09 68 13 00-0273 18 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0272)*

09 68 13 00-0274	SY	COLOR FRAME ECOWORX® 18 Ounce, Non-Patterned, Nylon Carpet Tile	37.08	4.50
09 68 13 00-0275	SY	COLOR PLAY ECOWORX® 18 Ounce, Non-Patterned, Nylon Carpet Tile	40.07	4.50

09 68 13 00-0276 20 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0272)*

09 68 13 00-0277	SY	CURVE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	37.47	4.50
09 68 13 00-0278	SY	DIAGONAL ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	37.47	4.50
09 68 13 00-0279	SY	POINT ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	37.47	4.50
09 68 13 00-0280	SY	SQUARE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	37.47	4.50
09 68 13 00-0281	SY	ADVANCE ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	37.43	4.50
09 68 13 00-0282	SY	IMPRESSION I ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	41.23	4.50
09 68 13 00-0283	SY	IMPRESSION II ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	41.23	4.50
09 68 13 00-0284	SY	IMPRESSION III ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	41.23	4.50
09 68 13 00-0285	SY	IMPRESSION IV ECOWORX® 20 Ounce, Non-Patterned, Nylon Carpet Tile	41.23	4.50

09 68 13 00-0286 22 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0272)*

09 68 13 00-0287	SY	PLANE HEXAGON ECOWORX® 22 Ounce, Non-Patterned, Nylon Carpet Tile	51.22	4.50

09 68 13 00-0288 24 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0272)*

09 68 13 00-0289	SY	NEST ECOWORX® 24 Ounce, Non-Patterned, Nylon Carpet Tile	39.12	4.50

09 68 13 00-0290 30 Ounce, Non-Patterned, Nylon Carpet Tile *(09 68 13 00-0272)*

09 68 13 00-0291	SY	TRU COLOURS ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile	41.86	4.50
09 68 13 00-0292	SY	COLOUR PLANK ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile	45.89	4.50
09 68 13 00-0293	SY	GRADATION ECOWORX® 30 Ounce, Non-Patterned, Nylon Carpet Tile	48.82	4.50

09 68 13 00-0294 ESD Static Control Carpet Tiles (Shaw StaticSmart) *(09 68 13 00-0001)*

Note: Includes conductive ESD releasable adhesive and grounding clips.

09 68 13 00-0295 16-24 Ounce, Static Control, Nylon Carpet Tile (StaticSmart) *(09 68 13 00-0294)*

09 68 13 00-0296	SY	DAILY PLANNER, Static Control, Nylon Carpet Carpet Tile	39.92	4.50
09 68 13 00-0297	SY	COLLABORATORS, Static Control, Nylon Carpet Carpet Tile	43.34	4.50
09 68 13 00-0298	SY	WORKSPACE, Static Control, Nylon Carpet Carpet Tile	39.99	4.50
09 68 13 00-0299	SY	LANDMARK SERIES, Static Control, Nylon Carpet Carpet Tile	42.18	4.50
09 68 13 00-0300	SY	LAN 4.1, Static Control, Nylon Carpet Carpet Tile	57.27	4.50
09 68 13 00-0301	SY	PRESIDENTIAL, Static Control, Nylon Carpet Carpet Tile	57.15	4.50
09 68 13 00-0302	SY	COLONIAL, Static Control, Nylon Carpet Carpet Tile	57.45	4.50
09 68 13 00-0303	SY	LAN 4.0, Static Control, Nylon Carpet Carpet Tile	67.57	4.50

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 13 00-0304	SY	DISCOVERY ECO, Static Control, Nylon Carpet Carpet Tile	56.11	4.50

09 68 16 Sheet Carpeting *(09 68)*

Note: Weights shown are face weight excluding backing weight and excludes padding. Demolition of carpet includes removal of glue if required. Residential carpet backing basis is for padding and commercial carpet backing is for glue down.

09 68 16 00-0001 Carpet Cushion *(09 68 16)*

09 68 16 00-0002 Carpet Padding *(09 68 16 00-0001)*

09 68 16 00-0003 Prime Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0004	SY	7/16" Thick, Prime Polyurethane Foam Carpet Padding	11.34	2.34
		For >200 To 400, Deduct	*-0.16*	
		For >400 To 600, Deduct	*-0.23*	
		For >600 To 900, Deduct	*-0.44*	
		For >900 To 1,500, Deduct	*-0.65*	
		For >1,500 To 2,200, Deduct	*-0.96*	
		For >2,200 To 3,500, Deduct	*-1.24*	
		For >3,500, Deduct	*-1.52*	
09 68 16 00-0005	SY	1/2" Thick, Prime Polyurethane Foam Carpet Padding	11.80	2.34
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.25*	
		For >600 To 900, Deduct	*-0.47*	
		For >900 To 1,500, Deduct	*-0.68*	
		For >1,500 To 2,200, Deduct	*-1.00*	
		For >2,200 To 3,500, Deduct	*-1.30*	
		For >3,500, Deduct	*-1.59*	

09 68 16 00-0006 Bonded (Rebond) Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0007	SY	1/4" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	7.36	2.34
		For >200 To 400, Deduct	*-0.08*	
		For >400 To 600, Deduct	*-0.11*	
		For >600 To 900, Deduct	*-0.24*	
		For >900 To 1,500, Deduct	*-0.37*	
		For >1,500 To 2,200, Deduct	*-0.56*	
		For >2,200 To 3,500, Deduct	*-0.74*	
		For >3,500, Deduct	*-0.93*	
09 68 16 00-0008	SY	5/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	7.67	2.34
		For >200 To 400, Deduct	*-0.08*	
		For >400 To 600, Deduct	*-0.12*	
		For >600 To 900, Deduct	*-0.26*	
		For >900 To 1,500, Deduct	*-0.39*	
		For >1,500 To 2,200, Deduct	*-0.59*	
		For >2,200 To 3,500, Deduct	*-0.78*	
		For >3,500, Deduct	*-0.97*	
09 68 16 00-0009	SY	3/8" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	6.19	2.34
		For >200 To 400, Deduct	*-0.05*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 900, Deduct	*-0.19*	
		For >900 To 1,500, Deduct	*-0.29*	
		For >1,500 To 2,200, Deduct	*-0.44*	
		For >2,200 To 3,500, Deduct	*-0.60*	
		For >3,500, Deduct	*-0.75*	
09 68 16 00-0010	SY	3/8" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	7.46	2.34
		For >200 To 400, Deduct	*-0.08*	
		For >400 To 600, Deduct	*-0.12*	
		For >600 To 900, Deduct	*-0.25*	
		For >900 To 1,500, Deduct	*-0.38*	
		For >1,500 To 2,200, Deduct	*-0.57*	
		For >2,200 To 3,500, Deduct	*-0.76*	
		For >3,500, Deduct	*-0.94*	
09 68 16 00-0011	SY	7/16" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	7.46	2.34
		For >200 To 400, Deduct	*-0.08*	
		For >400 To 600, Deduct	*-0.12*	
		For >600 To 900, Deduct	*-0.25*	
		For >900 To 1,500, Deduct	*-0.38*	
		For >1,500 To 2,200, Deduct	*-0.57*	
		For >2,200 To 3,500, Deduct	*-0.76*	
		For >3,500, Deduct	*-0.94*	
09 68 16 00-0012	SY	7/16" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	7.46	2.34
		For >200 To 400, Deduct	*-0.08*	
		For >400 To 600, Deduct	*-0.12*	
		For >600 To 900, Deduct	*-0.25*	
		For >900 To 1,500, Deduct	*-0.38*	
		For >1,500 To 2,200, Deduct	*-0.57*	
		For >2,200 To 3,500, Deduct	*-0.76*	
		For >3,500, Deduct	*-0.94*	
09 68 16 00-0013	SY	7/16" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	8.21	2.34
		For >200 To 400, Deduct	*-0.09*	
		For >400 To 600, Deduct	*-0.14*	
		For >600 To 900, Deduct	*-0.29*	
		For >900 To 1,500, Deduct	*-0.43*	
		For >1,500 To 2,200, Deduct	*-0.64*	
		For >2,200 To 3,500, Deduct	*-0.85*	
		For >3,500, Deduct	*-1.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0014	SY	1/2" Thick, 5.5 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	7.39	2.34
		For >200 To 400, Deduct	*-0.08*	
		For >400 To 600, Deduct	*-0.12*	
		For >600 To 900, Deduct	*-0.25*	
		For >900 To 1,500, Deduct	*-0.38*	
		For >1,500 To 2,200, Deduct	*-0.56*	
		For >2,200 To 3,500, Deduct	*-0.75*	
		For >3,500, Deduct	*-0.93*	
09 68 16 00-0015	SY	1/2" Thick, 6 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	7.64	2.34
		For >200 To 400, Deduct	*-0.08*	
		For >400 To 600, Deduct	*-0.12*	
		For >600 To 900, Deduct	*-0.26*	
		For >900 To 1,500, Deduct	*-0.39*	
		For >1,500 To 2,200, Deduct	*-0.59*	
		For >2,200 To 3,500, Deduct	*-0.78*	
		For >3,500, Deduct	*-0.97*	
09 68 16 00-0016	SY	1/2" Thick, 8 LB/CF Bonded (Rebond) Polyurethane Foam Carpet Padding	8.53	2.34
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.30*	
		For >900 To 1,500, Deduct	*-0.46*	
		For >1,500 To 2,200, Deduct	*-0.68*	
		For >2,200 To 3,500, Deduct	*-0.89*	
		For >3,500, Deduct	*-1.10*	

09 68 16 00-0017 Froth Polyurethane Foam Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0018	SY	0.175" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding	12.03	2.34
		For >200 To 400, Deduct	*-0.17*	
		For >400 To 600, Deduct	*-0.25*	
		For >600 To 900, Deduct	*-0.48*	
		For >900 To 1,500, Deduct	*-0.70*	
		For >1,500 To 2,200, Deduct	*-1.03*	
		For >2,200 To 3,500, Deduct	*-1.33*	
		For >3,500, Deduct	*-1.63*	
09 68 16 00-0019	SY	0.250" Thick, 12 LB/CF Froth Polyurethane Foam Rubber Carpet Padding	13.35	2.34
		For >200 To 400, Deduct	*-0.20*	
		For >400 To 600, Deduct	*-0.29*	
		For >600 To 900, Deduct	*-0.54*	
		For >900 To 1,500, Deduct	*-0.79*	
		For >1,500 To 2,200, Deduct	*-1.16*	
		For >2,200 To 3,500, Deduct	*-1.49*	
		For >3,500, Deduct	*-1.83*	
09 68 16 00-0020	SY	0.250" Thick, 16 LB/CF Froth Polyurethane Foam Rubber Carpet Padding	14.36	2.34
		For >200 To 400, Deduct	*-0.22*	
		For >400 To 600, Deduct	*-0.32*	
		For >600 To 900, Deduct	*-0.59*	
		For >900 To 1,500, Deduct	*-0.86*	
		For >1,500 To 2,200, Deduct	*-1.26*	
		For >2,200 To 3,500, Deduct	*-1.62*	
		For >3,500, Deduct	*-1.98*	

09 68 16 00-0021 Waffle Rubber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0022	SY	3/8" Thick, 90 OZ/SY Waffle Rubber Carpet Padding	13.70	2.34
		For >200 To 400, Deduct	*-0.20*	
		For >400 To 600, Deduct	*-0.30*	
		For >600 To 900, Deduct	*-0.56*	
		For >900 To 1,500, Deduct	*-0.82*	
		For >1,500 To 2,200, Deduct	*-1.19*	
		For >2,200 To 3,500, Deduct	*-1.54*	
		For >3,500, Deduct	*-1.88*	

09 68 16 00-0023 Flat Sponge Rubber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0024	SY	0.156" Thick, 62 OZ/SY Flat Sponge Rubber Carpet Padding	8.60	2.34
		For >200 To 400, Deduct	*-0.10*	
		For >400 To 600, Deduct	*-0.15*	
		For >600 To 900, Deduct	*-0.31*	
		For >900 To 1,500, Deduct	*-0.46*	
		For >1,500 To 2,200, Deduct	*-0.68*	
		For >2,200 To 3,500, Deduct	*-0.90*	
		For >3,500, Deduct	*-1.11*	
09 68 16 00-0025	SY	0.250" Thick, 68 OZ/SY Flat Sponge Rubber Carpet Padding	9.14	2.34
		For >200 To 400, Deduct	*-0.11*	
		For >400 To 600, Deduct	*-0.17*	
		For >600 To 900, Deduct	*-0.33*	
		For >900 To 1,500, Deduct	*-0.50*	
		For >1,500 To 2,200, Deduct	*-0.74*	
		For >2,200 To 3,500, Deduct	*-0.97*	
		For >3,500, Deduct	*-1.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0026	SY	0.250" Thick, 80 OZ/SY Flat Sponge Rubber Carpet Padding	9.54	2.34
		For >200 To 400, Deduct	*-0.12*	
		For >400 To 600, Deduct	*-0.18*	
		For >600 To 900, Deduct	*-0.35*	
		For >900 To 1,500, Deduct	*-0.53*	
		For >1,500 To 2,200, Deduct	*-0.78*	
		For >2,200 To 3,500, Deduct	*-1.02*	
		For >3,500, Deduct	*-1.25*	
09 68 16 00-0027	SY	0.250" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding	10.79	2.34
		For >200 To 400, Deduct	*-0.14*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.42*	
		For >900 To 1,500, Deduct	*-0.61*	
		For >1,500 To 2,200, Deduct	*-0.90*	
		For >2,200 To 3,500, Deduct	*-1.17*	
		For >3,500, Deduct	*-1.44*	
09 68 16 00-0028	SY	0.370" Thick, 100 OZ/SY Flat Sponge Rubber Carpet Padding	10.89	2.34
		For >200 To 400, Deduct	*-0.15*	
		For >400 To 600, Deduct	*-0.22*	
		For >600 To 900, Deduct	*-0.42*	
		For >900 To 1,500, Deduct	*-0.62*	
		For >1,500 To 2,200, Deduct	*-0.91*	
		For >2,200 To 3,500, Deduct	*-1.18*	
		For >3,500, Deduct	*-1.46*	

09 68 16 00-0029 Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0030	SY	0.235" Thick, 20 OZ/SY Synthetic Fiber Carpet Padding	4.60	2.34
		For >200 To 400, Deduct	*-0.02*	
		For >400 To 600, Deduct	*-0.03*	
		For >600 To 900, Deduct	*-0.11*	
		For >900 To 1,500, Deduct	*-0.18*	
		For >1,500 To 2,200, Deduct	*-0.28*	
		For >2,200 To 3,500, Deduct	*-0.40*	
		For >3,500, Deduct	*-0.51*	
09 68 16 00-0031	SY	0.235" Thick, 24 OZ/SY Synthetic Fiber Carpet Padding	5.42	2.34
		For >200 To 400, Deduct	*-0.04*	
		For >400 To 600, Deduct	*-0.06*	
		For >600 To 900, Deduct	*-0.15*	
		For >900 To 1,500, Deduct	*-0.24*	
		For >1,500 To 2,200, Deduct	*-0.36*	
		For >2,200 To 3,500, Deduct	*-0.50*	
		For >3,500, Deduct	*-0.64*	
09 68 16 00-0032	SY	0.275" Thick, 28 OZ/SY Synthetic Fiber Carpet Padding	5.04	2.34
		For >200 To 400, Deduct	*-0.03*	
		For >400 To 600, Deduct	*-0.04*	
		For >600 To 900, Deduct	*-0.13*	
		For >900 To 1,500, Deduct	*-0.21*	
		For >1,500 To 2,200, Deduct	*-0.33*	
		For >2,200 To 3,500, Deduct	*-0.45*	
		For >3,500, Deduct	*-0.58*	
09 68 16 00-0033	SY	0.300" Thick, 32 OZ/SY Synthetic Fiber Carpet Padding	5.18	2.34
		For >200 To 400, Deduct	*-0.03*	
		For >400 To 600, Deduct	*-0.05*	
		For >600 To 900, Deduct	*-0.13*	
		For >900 To 1,500, Deduct	*-0.22*	
		For >1,500 To 2,200, Deduct	*-0.34*	
		For >2,200 To 3,500, Deduct	*-0.47*	
		For >3,500, Deduct	*-0.60*	
09 68 16 00-0034	SY	0.350" Thick, 40 OZ/SY Synthetic Fiber Carpet Padding	6.03	2.34
		For >200 To 400, Deduct	*-0.05*	
		For >400 To 600, Deduct	*-0.07*	
		For >600 To 900, Deduct	*-0.18*	
		For >900 To 1,500, Deduct	*-0.28*	
		For >1,500 To 2,200, Deduct	*-0.43*	
		For >2,200 To 3,500, Deduct	*-0.58*	
		For >3,500, Deduct	*-0.73*	

09 68 16 00-0035 Double Stick Synthetic Fiber Carpet Padding *(09 68 16 00-0002)*

09 68 16 00-0036	SY	0.300" Thick, 32 OZ/SY Double Stick Synthetic Fiber Carpet Padding	6.29	2.34
		For >200 To 400, Deduct	*-0.05*	
		For >400 To 600, Deduct	*-0.08*	
		For >600 To 900, Deduct	*-0.19*	
		For >900 To 1,500, Deduct	*-0.30*	
		For >1,500 To 2,200, Deduct	*-0.45*	
		For >2,200 To 3,500, Deduct	*-0.61*	
		For >3,500, Deduct	*-0.77*	
09 68 16 00-0037	SY	0.375" Thick, 40 OZ/SY Double Stick Synthetic Fiber Carpet Padding	6.94	2.34
		For >200 To 400, Deduct	*-0.07*	
		For >400 To 600, Deduct	*-0.10*	
		For >600 To 900, Deduct	*-0.22*	
		For >900 To 1,500, Deduct	*-0.34*	
		For >1,500 To 2,200, Deduct	*-0.52*	
		For >2,200 To 3,500, Deduct	*-0.69*	
		For >3,500, Deduct	*-0.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0038		Commercial Broadloom Carpet *(09 68 16)* Note: Level-loop pile or textured-loop pile broadloom carpet.		
09 68 16 00-0039		Patterned Broadloom Carpet (Shaw) *(09 68 16 00-0038)*		
09 68 16 00-0040		20 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0041	SY	AMBITION III 20 CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	18.91	18.47
09 68 16 00-0042	SY	ESSENTIAL CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	23.92	18.47
09 68 16 00-0043	SY	PRIME CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	23.92	18.47
09 68 16 00-0044	SY	MODIFY CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	26.30	18.47
09 68 16 00-0045	SY	SWITCH CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	26.30	18.47
09 68 16 00-0046	SY	TRANSFER CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	26.30	18.47
09 68 16 00-0047	SY	SCRIBE CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	26.56	18.47
09 68 16 00-0048	SY	STYLUS CLASSICBAC® 20 Ounce, Patterned, Nylon Broadloom Carpet	26.56	18.47
09 68 16 00-0049	SY	CONTE' ULTRALOC® 20 Ounce, Patterned, Nylon Broadloom Carpet	33.19	18.47
09 68 16 00-0050	SY	ERASE ULTRALOC® 20 Ounce, Patterned, Nylon Broadloom Carpet	33.19	18.47
09 68 16 00-0051	SY	CADENCE ECOWORX® PERFORMANCE 20 Ounce, Patterned, Nylon Broadloom Carpet	38.72	18.47
09 68 16 00-0052		22 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0053	SY	BIRCH CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet	25.52	18.47
09 68 16 00-0054	SY	GROVE CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet	25.52	18.47
09 68 16 00-0055	SY	SUMMIT CLASSICBAC® 22 Ounce, Patterned, Nylon Broadloom Carpet	25.52	18.47
09 68 16 00-0056	SY	HIT THE BOOKS ULTRLOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	28.71	18.47
09 68 16 00-0057	SY	LAYER ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	28.82	18.47
09 68 16 00-0058	SY	DIMENSION ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	28.82	18.47
09 68 16 00-0059	SY	CHARISMA ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	31.01	18.47
09 68 16 00-0060	SY	AMPLIFY ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	31.88	18.47
09 68 16 00-0061	SY	HIT THE BOOKS ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	31.91	18.47
09 68 16 00-0062	SY	ILLUMINATE ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	31.88	18.47
09 68 16 00-0063	SY	EFFECT ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	33.32	18.47
09 68 16 00-0064	SY	FAÇADE ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	33.34	18.47
09 68 16 00-0065	SY	INLAY ULTRALOC® 22 Ounce, Patterned, Nylon Broadloom Carpet	33.32	18.47
09 68 16 00-0066	SY	COLLAGE ECOWORX® PERFORMANCE 22 Ounce, Patterned, Nylon Broadloom Carpet	36.20	18.47
09 68 16 00-0067		24 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0068	SY	ASSOCIATE ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	24.46	18.47
09 68 16 00-0069	SY	FOSSIL CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	24.97	18.47
09 68 16 00-0070	SY	TERRA CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	24.97	18.47
09 68 16 00-0071	SY	ECLECTIC CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	25.16	18.47
09 68 16 00-0072	SY	MELD CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	25.50	18.47
09 68 16 00-0073	SY	STAY ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	25.49	18.47
09 68 16 00-0074	SY	REMINISCE ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	25.81	18.47
09 68 16 00-0075	SY	CONTOUR CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	25.92	18.47
09 68 16 00-0076	SY	OUTLINE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	25.92	18.47
09 68 16 00-0077	SY	FLICKER CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	26.36	18.47
09 68 16 00-0078	SY	FLARE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	26.77	18.47
09 68 16 00-0079	SY	TONE CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	26.71	18.47
09 68 16 00-0080	SY	TINT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	27.20	18.47
09 68 16 00-0081	SY	BLOG ULTRLOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	27.36	18.47
09 68 16 00-0082	SY	BLOG CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	28.03	18.47
09 68 16 00-0083	SY	KUSA ULTRALOC® 24 Ounce, Patterned, Nylon Broadloom Carpet	32.39	18.47
09 68 16 00-0084	SY	ENGRAVE ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	44.64	18.47
09 68 16 00-0085	SY	ORNAMENT ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	44.64	18.47
09 68 16 00-0086	SY	SCREEN ECOWORX® PERFORMANCE 24 Ounce, Patterned, Nylon Broadloom Carpet	44.64	18.47
09 68 16 00-0087	SY	COLONEL CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	20.26	18.47
09 68 16 00-0088	SY	TOWN RESORT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	22.19	18.47
09 68 16 00-0089	SY	SENTIMENT CLASSICBAC® 24 Ounce, Patterned, Nylon Broadloom Carpet	26.33	18.47
09 68 16 00-0090		26 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*		
09 68 16 00-0091	SY	AMBITION III 26 CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	20.34	18.47
09 68 16 00-0092	SY	POTENTIAL III 26 CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	23.88	18.47
09 68 16 00-0093	SY	POTENTIAL III 26 UNITARY 26 Ounce, Patterned, Nylon Broadloom Carpet	25.18	18.47
09 68 16 00-0094	SY	INTERPLAY ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	25.24	18.47
09 68 16 00-0095	SY	PETO II CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	26.23	18.47
09 68 16 00-0096	SY	EVOLUTION CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	26.30	18.47
09 68 16 00-0097	SY	SPACE CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	26.22	18.47
09 68 16 00-0098	SY	DIVIDE CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	26.96	18.47
09 68 16 00-0099	SY	EDIT CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	27.40	18.47
09 68 16 00-0100	SY	EQUAL CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	27.40	18.47
09 68 16 00-0101	SY	TEXT CLASSICBAC® 26 Ounce, Patterned, Nylon Broadloom Carpet	28.01	18.47
09 68 16 00-0102	SY	TEXT ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	28.79	18.47
09 68 16 00-0103	SY	CONSTELLATION ULTRLOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	30.01	18.47
09 68 16 00-0104	SY	CROSS STITCH ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	31.33	18.47
09 68 16 00-0105	SY	ESCAPE ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	32.36	18.47
09 68 16 00-0106	SY	WISDOM ECOWORX® PERFORMANCE 26 Ounce, Patterned, Nylon Broadloom Carpet	32.75	18.47
09 68 16 00-0107	SY	BOTAN ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	33.11	18.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0108	SY	MAINFRAME ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	32.98	18.47
09 68 16 00-0109	SY	HANA ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	33.25	18.47
09 68 16 00-0110	SY	NAVIGATE ULTRALOC® 26 Ounce, Patterned, Nylon Broadloom Carpet	33.63	18.47
09 68 16 00-0111	SY	INTUITION ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	34.90	18.47
09 68 16 00-0112	SY	QUEST ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	34.90	18.47
09 68 16 00-0113	SY	SOPHISTICATION ULTRALOC® MB 26 Ounce, Patterned, Nylon Broadloom Carpet	34.90	18.47
09 68 16 00-0114	SY	JOIE ECOWORX® PERFORMANCE 26 Ounce, Patterned, Nylon Broadloom Carpet	43.43	18.47

09 68 16 00-0115 28 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*

09 68 16 00-0116	SY	POTENTIAL III 28 CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	25.68	20.05
09 68 16 00-0117	SY	MOMENTUM IV UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet	26.18	20.05
09 68 16 00-0118	SY	POTENTIAL III 28 UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet	26.91	20.05
09 68 16 00-0119	SY	CULTURE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	27.00	20.05
09 68 16 00-0120	SY	SCHOLAR II UNITARY 28 Ounce, Patterned, Nylon Broadloom Carpet	28.28	20.05
09 68 16 00-0121	SY	FIELD TRIP ULTRLOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	28.89	20.05
09 68 16 00-0122	SY	ACCOMPLISH CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	29.01	20.05
09 68 16 00-0123	SY	PROSPER CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	30.10	20.05
09 68 16 00-0124	SY	ASPIRE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	30.93	20.05
09 68 16 00-0125	SY	MOVEMENT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	31.10	20.05
09 68 16 00-0126	SY	SHIMMER ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	31.38	20.05
09 68 16 00-0127	SY	CORDED ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	31.97	20.05
09 68 16 00-0128	SY	FIELD TRIP ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	33.52	20.05
09 68 16 00-0129	SY	ACCOMPLISH ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	33.74	20.05
09 68 16 00-0130	SY	PROSPER ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	34.80	20.05
09 68 16 00-0131	SY	MEADOW ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	34.97	20.05
09 68 16 00-0132	SY	PROFILE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	35.19	20.05
09 68 16 00-0133	SY	ASPIRE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	35.34	20.05
09 68 16 00-0134	SY	DOUBLE KNIT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	35.64	20.05
09 68 16 00-0135	SY	BRIDGE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	36.81	20.05
09 68 16 00-0136	SY	GLADE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	37.67	20.05
09 68 16 00-0137	SY	ESSENCE ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	40.45	20.05
09 68 16 00-0138	SY	EXPRESSIVE ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	40.45	20.05
09 68 16 00-0139	SY	BASKET ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	43.74	20.05
09 68 16 00-0140	SY	IKAT ULTRALOC® 28 Ounce, Patterned, Nylon Broadloom Carpet	44.00	20.05
09 68 16 00-0141	SY	VERVE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	43.96	20.05
09 68 16 00-0142	SY	VITAE ECOWORX® PERFORMANCE 28 Ounce, Patterned, Nylon Broadloom Carpet	43.96	20.05
09 68 16 00-0143	SY	IMAGERY CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	28.50	20.05
09 68 16 00-0144	SY	GROUND FORCE CLASSICBAC® 28 Ounce, Patterned, Nylon Broadloom Carpet	25.92	20.05

09 68 16 00-0145 30 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*

09 68 16 00-0146	SY	GRADIENT CLASSICBAC® 30 Ounce, Patterned, Nylon Broadloom Carpet	29.12	20.05
09 68 16 00-0147	SY	HONOR ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	40.48	20.05
09 68 16 00-0148	SY	PEBBLE ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	40.66	20.05
09 68 16 00-0149	SY	BATIK ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	44.00	20.05
09 68 16 00-0150	SY	LINEN ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	44.00	20.05
09 68 16 00-0151	SY	TAPESTRY ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	44.00	20.05
09 68 16 00-0152	SY	TEXTILE ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	44.00	20.05
09 68 16 00-0153	SY	TRELLIS ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	45.37	20.05
09 68 16 00-0154	SY	TWINE ECOWORX® PERFORMANCE 30 Ounce, Patterned, Nylon Broadloom Carpet	45.37	20.05
09 68 16 00-0155	SY	BEYOND ULTRALOC® 30 Ounce, Patterned, Nylon Broadloom Carpet	45.61	20.05

09 68 16 00-0156 32 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*

09 68 16 00-0157	SY	REFUGE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	26.64	20.05
09 68 16 00-0158	SY	RETREAT ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	26.54	20.05
09 68 16 00-0159	SY	PLEAT CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	27.36	20.05
09 68 16 00-0160	SY	TAPER CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	27.36	20.05
09 68 16 00-0161	SY	STRIPES CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	27.59	20.05
09 68 16 00-0162	SY	HERRINGBONE CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	27.59	20.05
09 68 16 00-0163	SY	SQUARES CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	27.88	20.05
09 68 16 00-0164	SY	SOLID CLASSICBAC® 32 Ounce, Patterned, Nylon Broadloom Carpet	34.18	20.05
09 68 16 00-0165	SY	CORE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	35.60	20.05
09 68 16 00-0166	SY	TIMBER ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	39.36	20.05
09 68 16 00-0167	SY	GROUNDED ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	39.92	20.05
09 68 16 00-0168	SY	TRIBUTE ECOWORX® PERFORMANCE 32 Ounce, Patterned, Nylon Broadloom Carpet	42.99	20.05
09 68 16 00-0169	SY	GRACE ECOWORX® PERFORMANCE 32 Ounce, Patterned, Nylon Broadloom Carpet	43.48	20.05
09 68 16 00-0170	SY	INHERIT ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	46.70	20.05
09 68 16 00-0171	SY	EMBRACE ULTRALOC® 32 Ounce, Patterned, Nylon Broadloom Carpet	52.41	20.05

09 68 16 00-0172 34 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*

09 68 16 00-0173	SY	GLOW ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet	39.19	21.54
09 68 16 00-0174	SY	3SQUARE ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet	40.99	21.54
09 68 16 00-0175	SY	EDITION ULTRALOC® 34 Ounce, Patterned, Nylon Broadloom Carpet	47.73	21.54

09 68 16 00-0176 36 Ounce, Patterned, Nylon Broadloom Carpet *(09 68 16 00-0039)*

09 68 16 00-0177	SY	BELLCOURT CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	40.79	21.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 68 16 00-0178	SY	CRANFORD CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	40.79	21.54
09 68 16 00-0179	SY	KENNEBUNK CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	40.79	21.54
09 68 16 00-0180	SY	MORITZ CLASSICBAC® 36 Ounce, Patterned, Nylon Broadloom Carpet	40.79	21.54
09 68 16 00-0181	SY	FIBER ECOWORX® 36 Ounce, Patterned, Nylon Broadloom Carpet	43.06	21.54
09 68 16 00-0182		**38 Ounce, Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0039)*		
09 68 16 00-0183	SY	LANA ECOWORX® 38 Ounce, Patterned, Nylon Broadloom Carpet	51.28	21.54
09 68 16 00-0184	SY	ARTISAN LOOM ULTRALOC® 38 Ounce, Patterned, Nylon Broadloom Carpet	52.34	21.54
09 68 16 00-0185	SY	CHOK LOOM ULTRALOC® 38 Ounce, Patterned, Nylon Broadloom Carpet	51.77	21.54
09 68 16 00-0186	SY	AT EASE 39 SOFTBAC 38 Ounce, Patterned, Nylon Broadloom Carpet	34.98	21.54
09 68 16 00-0187	SY	AT EASE 49 SOFTBAC 38 Ounce, Patterned, Nylon Broadloom Carpet	38.28	21.54
09 68 16 00-0188	SY	WELCOME II PERFORMANCE RUBBER BACKING WALK-OFF 38 Ounce, Patterned, Nylon Broadloom Carpet	42.11	21.54
09 68 16 00-0189	SY	BON JOUR II PERFORMANCE RUBBER BACKING WALK-OFF 38 Ounce, Patterned, Nylon Broadloom Carpet	42.11	21.54
09 68 16 00-0190		**Non-Patterned Broadloom Carpet (Shaw)** *(09 68 16 00-0038)*		
09 68 16 00-0191		**24 Ounce, Non-Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0190)*		
09 68 16 00-0192	SY	HARBOR CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	21.93	18.47
09 68 16 00-0193	SY	UPSCALE CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	21.93	18.47
09 68 16 00-0194	SY	MEMOIRS CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	22.17	18.47
09 68 16 00-0195	SY	SCENERY CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	23.43	18.47
09 68 16 00-0196	SY	REIMAGINE CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	24.63	18.47
09 68 16 00-0197	SY	STATEMENT CLASSICBAC® 24 Ounce, Non-Patterned, Nylon Broadloom Carpet	25.89	18.47
09 68 16 00-0198		**30 Ounce, Non-Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0190)*		
09 68 16 00-0199	SY	DESIGN SERIES V 30 CLASSICBAC® 30 Ounce, Non-Patterned, Nylon Broadloom Carpet	27.11	20.05
09 68 16 00-0200	SY	HIGHLIGHT ECOWORX® PERFORMANCE 30 Ounce, Non-Patterned, Nylon Broadloom Carpet	34.20	20.05
09 68 16 00-0201		**34 Ounce, Non-Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0190)*		
09 68 16 00-0202	SY	RESIDENCE INN I CLASSICBAC® 34 Ounce, Non-Patterned, Nylon Broadloom Carpet	31.63	21.54
09 68 16 00-0203		**36 Ounce, Non-Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0190)*		
09 68 16 00-0204	SY	DESIGN SERIES V 36 CLASSICBAC® 36 Ounce, Non-Patterned, Nylon Broadloom Carpet	31.31	21.54
09 68 16 00-0205		**38 Ounce, Non-Patterned, Nylon Broadloom Carpet** *(09 68 16 00-0190)*		
09 68 16 00-0206	SY	VILLA CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	31.34	21.54
09 68 16 00-0207	SY	SCEPTER II CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	37.46	21.54
09 68 16 00-0208	SY	RESIDENCE INN II CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	34.83	21.54
09 68 16 00-0209	SY	RESIDENCE INN III CLASSICBAC® 38 Ounce, Non-Patterned, Nylon Broadloom Carpet	38.16	21.54
09 68 16 00-0210		**Carpet Accessories** *(09 68 16)*		
09 68 16 00-0211	LF	Metal Carpet Saddle Strip, Up To 4" Wide	5.13	0.82
09 68 16 00-0212	LF	Carpet Grip Tape, Double Sided, 6" Wide	2.57	0.82
09 68 16 00-0213		**Removal And Reinstallation Of Carpet And Pad** *(09 68 16)*		
		Note: Includes storage, cleaning and supply materials.		
09 68 16 00-0214	SY	Removal And Reinstallation Of Carpet And Pad	26.02	
09 68 16 00-0215		**Carpeting Support Functions** *(09 68 16)*		
09 68 16 00-0216		**Relocate Partitions, Modular Work Stations** *(09 68 16 00-0215)*		
		Note: Includes disassembly and reassembly of work station. Excludes electrical disconnection or reconnection.		
09 68 16 00-0217	EA	Relocate Modular Work Station	287.11	
09 68 16 00-0218		**Installation Of Owner Provided Broadloom Carpet** *(09 68 16)*		
09 68 16 00-0219	SY	Up To 24 Oz, Installation Of Owner Provided Broadloom Carpet	10.98	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.14*	
		For >15 To 33, Add	*1.07*	
09 68 16 00-0220	SY	>24 To 34 Oz, Installation Of Owner Provided Broadloom Carpet	12.77	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*2.50*	
		For >15 To 33, Add	*1.25*	
09 68 16 00-0221	SY	>34 Oz, Installation Of Owner Provided Broadloom Carpet	15.27	
		Note: Includes adhesive for glue-down or tack strip for padded installations.		
		For Up To 15, Add	*3.00*	
		For >15 To 33, Add	*1.50*	

09 69 Access Flooring *(09 60)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 69 13 Rigid-Grid Access Flooring *(09 69)*

09 69 13 00-0001 Panels, No Covering *(09 69 13)*

09 69 13 00-0002	SF	2' x 2' Panels - No Covering Access And Pedestal Floors	12.09	0.82
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0003	SF	2' x 2' Perforated Panels Access And Pedestal Floors	22.57	0.82
		For Carpet Covering, Add	*2.77*	
		For Vinyl Floor Covering, Add	*1.91*	
09 69 13 00-0004	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Raf Blue 7153T	21.04	0.90
09 69 13 00-0005	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Sage Brown 7777T	21.04	0.90
09 69 13 00-0006	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Moondance 6808	21.04	0.90
09 69 13 00-0007	SF	Tate 1250AS Panel Cover UTP Designer Plus Color Mosaic 6280	21.04	0.90
09 69 13 00-0008	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST2-2 Beige Star/Brown Trim	19.91	0.90
09 69 13 00-0009	SF	Tate 1250AS Panel Cover HPL 1/8" Nevamar ST6-1 Gray Star/Black Trim	19.91	0.90
09 69 13 00-0010	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Raf Blue 7153T	22.46	0.90
09 69 13 00-0011	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Sage Brown 7777T	22.46	0.90
09 69 13 00-0012	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Moodance 6808	22.46	0.90
09 69 13 00-0013	SF	Tate Concore 1500 Panel Cover UTP Designer Plus Color Mosaic 6280	22.46	0.90
09 69 13 00-0014	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST-2 Beige Star/Brown Trim	21.33	0.90
09 69 13 00-0015	SF	Tate Concore 1500 Panel Cover HPL 1/8" Nevamar ST6-1 Grey Star/Black Trim	21.33	0.90
09 69 13 00-0016	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST2-2 Beige Star Trim	26.96	0.90
09 69 13 00-0017	SF	Tate 1250AS Perforated 25% O/A Cover 1/8 " Nevamar HPL ST6-1 Gray Star Trim	26.96	0.90

09 69 13 00-0018 Pedestals *(09 69 13)*

09 69 13 00-0019	EA	6" To 12" Finished Floor Height, Pedestal Assembly	27.89	4.11
09 69 13 00-0020	EA	8" To 12" Finished Floor Height, Pedestal Assembly	29.30	4.11
09 69 13 00-0021	EA	18" To 24" Finished Floor Height, Pedestal Assembly	30.01	4.11
09 69 13 00-0022	EA	30" To 36" Finished Floor Height, Pedestal Assembly	32.58	4.11

09 69 13 00-0023 Stringers *(09 69 13)*

09 69 13 00-0024	EA	2' Bolted Stringers, Access And Pedestal Floors	15.19	4.92
09 69 13 00-0025	EA	4' Bolted Stringers, Access And Pedestal Floors	25.91	7.38
09 69 13 00-0026	EA	6' Bolted Stringers, Access And Pedestal Floors	41.24	12.31

09 69 13 00-0027 Understructure *(09 69 13)*

09 69 13 00-0028	SF	Standard Bolted Stringer Understructure 8" Or 12" Finished Floor Height	4.65	1.23
09 69 13 00-0029	SF	Standard Bolted Stringer Understructure 18" Or 24" Finished Floor Height	4.98	1.23
09 69 13 00-0030	SF	Standard Bolted Stringer Understructure 30" Or 36" Finished Floor Height	5.95	1.23

09 69 53 Access Flooring Accessories *(09 69)*

09 69 53 00-0001 Accessories *(09 69 53)*

09 69 53 00-0002	SF	Accessories, Ramp Assembly Access And Pedestal Floors	27.81	3.28
09 69 53 00-0003	LF	Accessories, Handrail Access And Pedestal Floors	44.93	5.74
09 69 53 00-0004	LF	Accessories, Fascia Plate Access And Pedestal Floors	19.60	5.74
09 69 53 00-0005	EA	Machine Cutouts	150.08	
09 69 53 00-0006	SF	Tate Tamp, Cover Step Master Slip Retard- Tile, Buckskin Or Slate	45.22	
09 69 53 00-0007	LF	Tate 2 Or 3 Riser Steps In Raised Floor System Note: Includes baffles, fascia plates trim and cover.	106.91	0.41
09 69 53 00-0008	LF	Tate Handrail	85.58	2.71
09 69 53 00-0009	SF	Hammered Aluminum Finish Fascia Note: Includes trim angles and hardware (8", 12", 18", 24").	32.89	2.71
09 69 53 00-0010	EA	7" x 17" Lexan Floor Mounted Grille. Note: Includes carpet trim to flush mount.	147.24	10.25
09 69 53 00-0011	EA	Cut Hole In Raised Floor And Trim With Black 1/2" Trim Material	36.51	
09 69 53 00-0012	EA	Cut Round Hole In Raised Floor And Trim Carpet Install 4" Plastic Insert (Gromtec#GT003)	36.51	
09 69 53 00-0013	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New UTP Carpet	41.96	1.64
09 69 53 00-0014	EA	Rehab Panel (Any Brand, Weight) Carpet Cover Only - New HPL	51.17	1.64
09 69 53 00-0015	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL/WA Edge Trim	39.42	1.64
09 69 53 00-0016	EA	Rehab Panel (Any Brand, Weight) HPL Cover Only - With New HPL Top set Trim Edge	51.16	1.64
09 69 53 00-0017	EA	Flush Mounted Electrical Box (Including Cutting Hole Trim Carpet) P/N Telo-7018-4	145.53	10.25
09 69 53 00-0018	EA	Flush Mounted Telephone Box (Grey/Black/Communications) Note: Includes cut hole.	105.02	10.25
09 69 53 00-0019	EA	Flush Mounted Electrical Box (In Existing Hole) P/N Telo 7018-4	145.53	10.25
09 69 53 00-0020	EA	Flush Mounted Telephone Box (Grey/Black/Communications) (In Existing Hole) P/N Telo-7018-2	72.21	1.64
09 69 53 00-0021	EA	Removal And Reinstallation Of Flush Mounted Electrical, Telephone Or Communications Floor Box In Raised Floor.	8.20	

09 69 53 00-0022 Final Cleaning For Computer Room Raised Floor System *(09 69 53)*

Note: Includes wipe dirt/dust from stringers and raised floor beneath raised floor. For new or existing systems.

09 69 53 00-0023	SF	Vacuum Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath Raised Floor	2.77	
09 69 53 00-0024	SF	Vacuum/Shampoo Raised Floor Carpet Panel, Wipe Dirt/Dust From Stringers And Floor Beneath	2.86	
09 69 53 00-0025	SF	Vacuum/Wet Mop Clean Raised Floor HPL Panel Wipe Dirt/Dust Stringers And Raised Floor	2.83	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 70 Wall Finishes (09)

09 72 Wall Coverings (09 70)

09 72 13 Cork Wall Coverings (09 72)

09 72 13 00-0001 Cork Wall Covering (09 72 13)

09 72 13 00-0002	SF	1/8" Cork Wall Covering	3.91	0.67
09 72 13 00-0003	SF	1/4" Cork Wall Covering	4.82	0.67
09 72 13 00-0004	SF	1/2" Cork Wall Covering	5.56	0.67
09 72 13 00-0005	SF	3/4" Cork Wall Covering	7.69	0.67

09 72 16 Vinyl-Coated Fabric Wall Coverings (09 72)

09 72 16 13 Flexible Vinyl Wall Coverings (09 72 16)

09 72 16 13-0001 Vinyl Wall Coverings (09 72 16 13)

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 16 13-0002	SF	7-10 Oz/SY Vinyl Wall Covering	2.66	0.67
		For Owner Furnished Material, Deduct	*-1.61*	
09 72 16 13-0003	SF	11-14 Oz/SY Vinyl Wall Covering	3.46	0.67
		For Owner Furnished Material, Deduct	*-2.34*	
09 72 16 13-0004	SF	15-19 Oz/SY Vinyl Wall Covering	4.06	0.67
		For Owner Furnished Material, Deduct	*-2.94*	
09 72 16 13-0005	SF	20 To 25 Ounces/SY Vinyl Wall Covering	4.80	0.67
		For Owner Furnished Material, Deduct	*-3.39*	
09 72 16 13-0006	SF	26-32 Oz/SY Vinyl Wall Covering	5.59	0.67
		For Owner Furnished Material, Deduct	*-4.12*	
09 72 16 13-0007	SF	33-38 Oz/SY Vinyl Wall Covering	6.75	0.67
		For Owner Furnished Material, Deduct	*-5.21*	

09 72 23 Wallpapering (09 72)

09 72 23 00-0001 Wallpaper Coverings (09 72 23)

Note: Includes wall preparation adhesive, and sizing compound. Demolition includes the removal of wall covering and adhesive.

09 72 23 00-0002	SF	Average Quality Wallpaper (Standard Grade)	1.86	0.89
09 72 23 00-0003	SF	High Quality Wallpaper (Designer Grade)	3.14	1.14
09 72 23 00-0004	SF	Textured Paintable Paper Installed On Ceiling	2.47	1.69

09 73 Wall Carpeting (09 70)

09 73 00 00-0001 Carpet Wall Covering (09 73)

09 73 00 00-0002	SY	28 Ounce, Nylon Carpet Wall Covering	35.38	20.53
09 73 00 00-0003	SY	32 Ounce, Nylon Carpet Wall Covering	36.16	20.53
09 73 00 00-0004	SY	34 Ounce, Nylon Carpet Wall Covering	39.19	22.12
09 73 00 00-0005	SY	35 Ounce, Nylon Carpet Wall Covering	41.48	22.12
09 73 00 00-0006	SY	36 Ounce, Nylon Carpet Wall Covering	43.82	22.12
09 73 00 00-0007	SY	38 Ounce, Nylon Carpet Wall Covering	44.76	22.12
09 73 00 00-0008	SY	40 Ounce, Nylon Carpet Wall Covering	46.55	23.89
09 73 00 00-0009	SY	42 Ounce, Nylon Carpet Wall Covering	48.50	23.89

09 74 Flexible Wood Sheets (09 70)

09 74 16 Flexible Wood Veneers (09 74)

09 74 16 00-0001 Flexible Wood Veneer (09 74 16)

09 74 16 00-0002	SF	1/32" Thick, Flexible Maple Wood Veneer	9.74	2.70
09 74 16 00-0003	SF	1/32" Thick, Flexible Oak Wood Veneer	10.01	2.70
09 74 16 00-0004	SF	1/32" Thick, Flexible Mahogany Wood Veneer	10.01	2.70
09 74 16 00-0005	SF	1/32" Thick, Flexible Birch Wood Veneer	10.29	2.70
09 74 16 00-0006	SF	1/32" Thick, Flexible Walnut Wood Veneer	11.65	2.70
09 74 16 00-0007	SF	1/32" Thick, Flexible Bamboo Wood Veneer	13.29	2.70
09 74 16 00-0008	SF	1/32" Thick, Flexible Fir Wood Veneer	15.20	2.70

09 74 16 00-0009 Flexible Exotic Wood Veneer (09 74 16)

09 74 16 00-0010	SF	1/32" Thick, Flexible Exotic Wood Veneer	19.94	2.70

09 78 Interior Wall Paneling (09 70)

09 78 13 Metal Interior Wall Paneling (09 78)

09 78 13 00-0001 Stainless Steel Wall Base (09 78 13)

Note: Grade CS304 with #4 satin polish

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 78 13 00-0002		**22 Gauge Stainless Steel Wall Base** *(09 78 13 00-0001)*		
09 78 13 00-0003	LF	2" Height, 22 Gauge, Stainless Steel Straight Wall Base	8.47	2.09
09 78 13 00-0004	LF	4" Height, 22 Gauge, Stainless Steel Straight Wall Base	12.21	2.30
09 78 13 00-0005	LF	4-3/4" Height, 22 Gauge, Stainless Steel Straight Wall Base	13.49	2.30
09 78 13 00-0006	LF	6" Height, 22 Gauge, Stainless Steel Straight Wall Base	16.11	2.51
09 78 13 00-0007	LF	8" Height, 22 Gauge, Stainless Steel Straight Wall Base	20.02	2.78
09 78 13 00-0008	LF	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	9.43	2.09
09 78 13 00-0009	LF	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	13.11	2.30
09 78 13 00-0010	LF	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	14.38	2.30
09 78 13 00-0011	LF	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	16.88	2.51
09 78 13 00-0012	LF	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	20.80	2.78
09 78 13 00-0013	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	22.73	4.18
09 78 13 00-0014	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	28.54	4.60
09 78 13 00-0015	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	30.47	4.60
09 78 13 00-0016	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	34.39	5.02
09 78 13 00-0017	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	40.54	5.58
09 78 13 00-0018	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	44.84	4.18
09 78 13 00-0019	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	50.71	4.60
09 78 13 00-0020	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	52.58	4.60
09 78 13 00-0021	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	56.57	5.02
09 78 13 00-0022	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	62.71	5.58
09 78 13 00-0023	EA	2" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	22.73	4.18
09 78 13 00-0024	EA	4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	28.54	4.60
09 78 13 00-0025	EA	4-3/4" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	30.47	4.60
09 78 13 00-0026	EA	6" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	34.39	5.02
09 78 13 00-0027	EA	8" Height, 22 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	40.54	5.58
09 78 13 00-0028	EA	2" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	53.74	4.18
09 78 13 00-0029	EA	4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	59.54	4.60
09 78 13 00-0030	EA	4-3/4" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	61.47	4.60
09 78 13 00-0031	EA	6" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	65.40	5.02
09 78 13 00-0032	EA	8" Height, 22 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	71.54	5.58
09 78 13 00-0033		**16 Gauge Stainless Steel Wall Base** *(09 78 13 00-0001)*		
09 78 13 00-0034	LF	2" Height, 16 Gauge, Stainless Steel Straight Wall Base	13.99	2.09
09 78 13 00-0035	LF	4" Height, 16 Gauge, Stainless Steel Straight Wall Base	23.29	2.30
09 78 13 00-0036	LF	4-3/4" Height, 16 Gauge, Stainless Steel Straight Wall Base	26.59	2.30
09 78 13 00-0037	LF	6" Height, 16 Gauge, Stainless Steel Straight Wall Base	32.56	2.51
09 78 13 00-0038	LF	8" Height, 16 Gauge, Stainless Steel Straight Wall Base	43.09	2.78
09 78 13 00-0039	LF	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	14.88	2.09
09 78 13 00-0040	LF	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	24.16	2.30
09 78 13 00-0041	LF	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	27.22	2.30
09 78 13 00-0042	LF	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	33.44	2.51
09 78 13 00-0043	LF	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel Wall Base	42.86	2.78
09 78 13 00-0044	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	30.98	4.18
09 78 13 00-0045	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	45.10	4.60
09 78 13 00-0046	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	50.00	4.60
09 78 13 00-0047	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	59.21	5.02
09 78 13 00-0048	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Inside Corner	73.67	5.58
09 78 13 00-0049	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	53.13	4.18
09 78 13 00-0050	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	67.25	4.60
09 78 13 00-0051	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	72.24	4.60
09 78 13 00-0052	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	81.38	5.02
09 78 13 00-0053	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Inside Corner	95.78	5.58
09 78 13 00-0054	EA	2" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	30.98	4.18
09 78 13 00-0055	EA	4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	45.10	4.60
09 78 13 00-0056	EA	4-3/4" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	50.00	4.60
09 78 13 00-0057	EA	6" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	59.21	5.02
09 78 13 00-0058	EA	8" Height, 16 Gauge, Stainless Steel Straight 12" x 12" Outside Corner	73.67	5.58
09 78 13 00-0059	EA	2" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	61.99	4.18
09 78 13 00-0060	EA	4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	76.10	4.60
09 78 13 00-0061	EA	4-3/4" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	81.11	4.60
09 78 13 00-0062	EA	6" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	90.25	5.02
09 78 13 00-0063	EA	8" Height, 16 Gauge, 1/4" Cove Bend Stainless Steel 12" x 12" Outside Corner	104.67	5.58

09 80 Acoustic Treatment *(09)*

09 81 Acoustic Insulation *(09 80)*

09 81 16 Acoustic Blanket Insulation *(09 81)*

09 81 16 00-0001		**Sound Attenuation Fire Blankets (SAFB)** *(09 81 16)*		
09 81 16 00-0002		**2.5 PCF Density, Sound Attenuation Fire Blankets (SAFB)** *(09 81 16 00-0001)*		
09 81 16 00-0003	SF	1-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.53	0.28
09 81 16 00-0004	SF	2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.63	0.28
09 81 16 00-0005	SF	2-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.78	0.28
09 81 16 00-0006	SF	3" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.89	0.28
09 81 16 00-0007	SF	3-1/2" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.03	0.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 81 16 00-0008	SF	4" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.17	0.28
09 81 16 00-0009	SF	5" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.36	0.28
09 81 16 00-0010	SF	6" Thick, 2.5 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	2.57	0.28

09 81 16 00-0011 4 PCF Density, Sound Attenuation Fire Blankets (SAFB) *(09 81 16 00-0001)*

09 81 16 00-0012	SF	1" Thick, 4 PCF Density, Sound Attenuation Fire Blanket (Thermafiber SAFB)	1.50	0.28

09 81 16 00-0013 Fiberglass Sound Attenuation Blankets *(09 81 16)*

Note: (Insul-Quilt)

09 81 16 00-0014	SF	2" Fiberglass Core Blanket, Faced With fiberglass Cloth And Backed With A Flame-Proof Foil (Insul-Quilt)	5.53	0.27

09 81 16 00-0015 Sound Attenuation Batts *(09 81 16)*

Note: NoiseReducer® by Certainteed, Quitezone® by Owens Corning, Sound-Shield® by Johns Mansville.

09 81 16 00-0016	SF	2-1/2" Thick, Unfaced Sound Attenuation Batt	0.96	0.37
09 81 16 00-0017	SF	3-1/2" Thick, Unfaced Sound Attenuation Batt	1.02	0.37
09 81 16 00-0018	SF	3-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.05	0.37
09 81 16 00-0019	SF	5-1/2" Thick, Unfaced Sound Attenuation Batt	1.16	0.37
09 81 16 00-0020	SF	5-1/2" Thick, Kraft Faced Sound Attenuation Batt	1.19	0.37
09 81 16 00-0021	SF	6-1/4" Thick, Unfaced Sound Attenuation Batt	1.18	0.37
09 81 16 00-0022	SF	6-1/4" Thick, Kraft Faced Sound Attenuation Batt	1.22	0.37

09 84 Acoustic Room Components *(09 80)*

09 84 13 Fixed Sound-Absorptive Panels *(09 84)*

09 84 13 00-0001 Sound Absorbing Panels And Attenuation Blankets *(09 84 13)*

Note: No backs, 3" thick modular, ceiling or wall hung back. Excludes ceiling suspension systems and wall furring system.

09 84 13 00-0002	SF	3" Thick Perforated Steel Sound Absorbing Panel Painted, No Back With Fiberglass Or Mineral Filler	9.12	1.85
09 84 13 00-0003	SF	1" Thick Fiberglass Sound Absorbing Panels With Glass Cloth Face For Walls	13.33	1.85

09 84 13 00-0004 Sound Absorbing Acoustical Wall Panel System *(09 84 13)*

See CSI section 06 11 16 00-0196 for wood furring.

09 84 13 00-0005 Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*

Note: Includes tackable surface, molding and mounting hardware for flush mount.

09 84 13 00-0006	SF	5/8" Panel Thickness, Vinyl Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Signature Vinyl)	10.22	2.09
09 84 13 00-0007	SF	3/4" Panel Thickness, Composed Fabric Surface (Non-Woven), Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Rhythms®)	9.50	2.09
09 84 13 00-0008	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 FR-701)	11.75	2.09
09 84 13 00-0009	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Lido™)	11.77	2.09
09 84 13 00-0010	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Spinel™)	12.91	2.09
09 84 13 00-0011	SF	3/4" Panel Thickness, Woven Fabric Surface, Mineral Fiber Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 60 Zirconia™)	12.91	2.09

09 84 13 00-0012 Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak®) *(09 84 13 00-0004)*

Note: Includes molding and mounting hardware for flush mount.

09 84 13 00-0013	SF	1" Panel Thickness, Composed Fabric Surface (Non-Woven), Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Rhythms®)	11.79	2.09
09 84 13 00-0014	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 FR-701)	13.64	2.09
09 84 13 00-0015	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Lido™)	13.64	2.09
09 84 13 00-0016	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Spinel™)	15.49	2.09
09 84 13 00-0017	SF	1" Panel Thickness, Woven Fabric Surface, Fiberglass Substrate, Sound Absorbing Acoustical Wall Panel System (Armstrong® Soundsoak® 85 Zirconia™)	15.49	2.09

09 84 13 00-0018 Sound Absorbing Panel, Eggcrate Style *(09 84 13)*

Note: Ceiling or wall hung back.

09 84 13 00-0019	SF	2" Thick Polyurethane Sound Wave (Eggcrate Style)	8.73	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0020	SF	3" Thick Polyurethane Sound Wave (Eggcrate Style)	11.42	
		For Pyramid Style, Add	*1.18*	
09 84 13 00-0021	SF	4" Thick Polyurethane Sound Wave (Eggcrate Style)	14.78	
		For Pyramid Style, Add	*1.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 84 13 00-0022	SF	2" Thick Melamine Sound Wave (Eggcrate Style)	11.16	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*2.05*	
		For Pyramid Style With Hypalon Coating, Add	*4.02*	
09 84 13 00-0023	SF	3" Thick Melamine Sound Wave (Eggcrate Style)	23.20	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	
09 84 13 00-0024	SF	4" Thick Melamine Sound Wave (Eggcrate Style)	29.67	
		For Eggcrate Style With Hypalon Coating, Add	*1.97*	
		For Pyramid Style, Add	*0.42*	
		For Pyramid Style With Hypalon Coating, Add	*2.40*	

09 84 13 00-0025 Sound Deadening Fiberboard *(09 84 13)*

09 84 13 00-0026	SF	1/2" Sound Deadening Fiberboard	2.16	0.46
		For Horizontal Installation Up To 10' High, Add	*0.29*	
		For Horizontal Installation >10' High, Add	*0.43*	
		For Walls >10' High, Add	*0.07*	
		For Up To 128, Add	*0.60*	
		For >128 To 320, Add	*0.34*	

09 90 Painting and Coating *(09)*

Note: Includes masking, safety signs, cleaning of area (dry wiping down walls, floors, doors, etc.), removal of loose paint (paint, caulk, etc.), feathering rough edges, sanding between coats, protective work to contain dust and paint splatters (drop cloths), unless otherwise noted, removal and reinstallation of cabinet hardware, switch covers and outlet plates, equipment to place paint and ladders. New construction work additionally includes filling knots, divots, depressions, holes (screw and nail holes in drywall to 1/4" diameter of unlimited quantity). All work designated as "brush/roller" includes brush work for cut and roller work up to cut in. See CSI section 01 56 16 00-0001 for temporary plastic sheeting to protect existing equipment or materials, 07 92 00 00-0000 for caulking where required, 09 01 20 00-0000 for severely damaged surface preparation in excess of items included above, hand scrape, pressure washing and chemical cleaning where required, 09 29 10 00-0037 for finishing exisiting wall surfaces or small holes not requiring patching in excess of items included above.

09 91 Painting *(09 90)*

09 91 13 Exterior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 13 00-0001 Paint Exterior Walls/Siding *(09 91 13)*

09 91 13 00-0002 Paint Exterior Brick Walls *(09 91 13 00-0001)*

09 91 13 00-0003	SF	1 Coat Filler, Brush Work, Paint Exterior Brick Walls	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0004	SF	1 Coat Paint, Brush Work, Paint Exterior Brick Walls	1.06	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0005	SF	2 Coats Paint, Brush Work, Paint Exterior Brick Walls	1.52	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Brick Walls	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Brick Walls	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Brick Walls	1.21	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0009	SF	1 Coat Filler, Sprayed, Paint Exterior Brick Walls	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0010	SF	1 Coat Paint, Sprayed, Paint Exterior Brick Walls	0.49	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.23*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0011	SF	2 Coats Paint, Sprayed, Paint Exterior Brick Walls	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

09 91 13 00-0012 Paint Exterior Concrete Walls *(09 91 13 00-0001)*

09 91 13 00-0013	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0014	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Walls	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0015	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Walls	1.28	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0016	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Walls	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0017	SF	1 Coat Paint, Brush/Roller Work, Painit Exterior Concrete Walls	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0018	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Walls	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0019	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Walls	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0020	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Walls	0.41	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	
09 91 13 00-0021	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Walls	0.71	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

09 91 13 00-0022 Paint Exterior Concrete Block Walls *(09 91 13 00-0001)*

09 91 13 00-0023 Paint Exterior Concrete Block Walls, Epoxy Paint *(09 91 13 00-0022)*

09 91 13 00-0024	SF	1 Coat Epoxy Filler, Brush Work, Paint Exterior Concrete Block Walls	0.88	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0025	SF	1 Coat Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.00	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0026	SF	2 Coats Epoxy Paint, Brush Work, Paint Exterior Concrete Block Walls	1.75	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0027	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.72	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0028	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.80	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0029	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.41	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0030	SF	1 Coat Epoxy Filler, Sprayed, Paint Exterior Concrete Block Walls	0.58	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0031	SF	1 Coat Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	0.65	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0032	SF	2 Coats Epoxy Paint, Sprayed, Paint Exterior Concrete Block Walls	1.24	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

09 91 13 00-0033 Paint Exterior Concrete Block Walls, Acrylic Latex Paint *(09 91 13 00-0022)*

09 91 13 00-0034	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Block Walls	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0035	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Block Walls	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0036	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Block Walls	1.74	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0037	SF	Texture Coat, Brush Work, Paint Exterior Concrete Block Walls	1.07	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0038	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0039	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0040	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Block Walls	1.39	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0041	SF	Texture Coat, Brush/Roller Work, Paint Exterior Concrete Block Walls	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0042	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Block Walls	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0043	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Block Walls	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0044	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Block Walls	1.02	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0045	SF	Texture Coat, Sprayed, Paint Exterior Concrete Block Walls	0.84	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0046		**Paint Exterior Drywall/Plaster Walls** *(09 91 13 00-0001)*		
09 91 13 00-0047	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Wall	0.65	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0048	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0049	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Walls	1.28	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.18*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.85*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0050	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.52	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0051	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.05*	
09 91 13 00-0052	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Walls	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Orange Peel Finish, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0053	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Walls	0.44	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.25*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0054	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.48	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
		For Epoxy Paint, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0055	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Walls	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Epoxy Paint, Add	*0.11*	

09 91 13 00-0056 Paint Exterior Metal Walls *(09 91 13 00-0001)*

09 91 13 00-0057 Paint Exterior Galvanized Walls *(09 91 13 00-0056)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0058	SF	1 Coat Primer, Brush Work, Paint Exterior Galvanized Wall Surfaces	0.80	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0059	SF	1 Coat Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	0.88	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0060	SF	2 Coats Paint, Brush Work, Paint Exterior Galvanized Wall Surfaces	1.60	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0061	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Galvanized Walls	0.59	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0062	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	0.68	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0063	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Galvanized Walls	1.28	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0064	SF	1 Coat Primer, Sprayed, Paint Exterior Galvanized Walls	0.50	
		For Work >15' To 20' Above Floor, Add	*0.04*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.24*	
		For >100 To 250, Add	*0.12*	
		For >250 To 500, Add	*0.05*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0065	SF	1 Coat Paint, Sprayed, Paint Exterior Galvanized Walls	0.66	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0066	SF	2 Coats Paint, Sprayed, Paint Exterior Galvanized Walls	1.11	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0067		Paint Exterior Aluminum And Aluminum Alloy Walls *(09 91 13 00-0056)*		
		Note: Alkyd enamel paint.		
09 91 13 00-0068	SF	1 Coat Primer, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	0.80	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0069	SF	1 Coat Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	0.88	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0070	SF	2 Coats Paint, Brush Work, Paint Exterior Aluminum And Aluminum Alloy Wall Surfaces	1.59	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 13 00-0071	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	0.66	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0072	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	0.74	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0073	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Aluminum And Aluminum Alloy Walls	1.39	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0074	SF	1 Coat Primer, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.56	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0075	SF	1 Coat Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	0.66	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0076	SF	2 Coats Paint, Sprayed, Paint Exterior Aluminum And Aluminum Alloy Walls	1.11	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	

09 91 13 00-0077 Paint Exterior Aluminum And Aluminum Alloy Roof Stacks *(09 91 13 00-0056)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0078	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Primer, Per LF Of Stack	10.98	
		For Work >15' To 20' Above Floor, Add	*1.48*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*2.46*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*3.94*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*5.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*7.55*	
		For >100 To 250, Add	*3.56*	
		For >250 To 500, Add	*1.53*	
		For >2,500 To 5,000, Deduct	*-0.55*	
		For >5,000 To 10,000, Deduct	*-1.10*	
		For >10,000 To 20,000, Deduct	*-1.65*	
		For >20,000, Deduct	*-2.20*	
09 91 13 00-0079	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 1 Coat Paint, Per LF Of Stack	12.21	
		For Work >15' To 20' Above Floor, Add	*1.64*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*2.73*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*4.37*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*6.01*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*8.39*	
		For >100 To 250, Add	*3.95*	
		For >250 To 500, Add	*1.70*	
		For >2,500 To 5,000, Deduct	*-0.61*	
		For >5,000 To 10,000, Deduct	*-1.22*	
		For >10,000 To 20,000, Deduct	*-1.83*	
		For >20,000, Deduct	*-2.44*	
09 91 13 00-0080	LF	Paint Exterior Aluminum And Aluminum Alloy Roof Stack With Heat Resistant Paint, 2 Coats Paint, Per LF Of Stack	22.84	
		For Work >15' To 20' Above Floor, Add	*3.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*5.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*8.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*11.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*15.77*	
		For >100 To 250, Add	*7.43*	
		For >250 To 500, Add	*3.20*	
		For >2,500 To 5,000, Deduct	*-1.14*	
		For >5,000 To 10,000, Deduct	*-2.28*	
		For >10,000 To 20,000, Deduct	*-3.43*	
		For >20,000, Deduct	*-4.57*	

09 91 13 00-0081 Paint Exterior Corrugated Metal Walls *(09 91 13 00-0056)*

09 91 13 00-0082	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Primer, Sprayed	0.62	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0083	SF	Paint Exterior Corrugated Metal Walls, 1 Coat Paint, Sprayed	0.85	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0084	SF	Paint Exterior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.40	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

09 91 13 00-0085 Paint Exterior Stucco Walls *(09 91 13 00-0001)*

09 91 13 00-0086	SF	Paint Exterior Stucco Wall Surfaces 1 Coat Primer, Brush Work	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0087	SF	Paint Exterior Stucco Wall Surfaces 1 Coat Paint, Brush Work	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0088	SF	Paint Exterior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.20	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0089	SF	Paint Exterior Stucco Walls, 1 Coat Primer, Brush/Roller Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0090	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Brush/Roller Work	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0091	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Brush/Roller Work	1.70	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 13 00-0092	SF	Paint Exterior Stucco Walls, 1 Coat Primer, Sprayed	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0093	SF	Paint Exterior Stucco Walls, 1 Coat Paint, Sprayed	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0094	SF	Paint Exterior Stucco Walls, 2 Coats Paint, Sprayed	1.47	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0095		Paint Exterior Wood Siding *(09 91 13 00-0001)*		
09 91 13 00-0096		Paint Exterior Smooth Wood Siding *(09 91 13 00-0095)*		
		Note: Includes tongue and groove, beveled, drop or board and batten siding.		
09 91 13 00-0097	SF	1 Coat Primer, Brush Work, Paint Exterior Wood Smooth Siding	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0098	SF	1 Coat Paint, Brush Work, Paint Exterior Wood Smooth Siding	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0099	SF	2 Coats Paint, Brush Work, Paint Exterior Wood Smooth Siding	1.47	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0100	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Smooth Wood Siding	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0101	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0102	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Smooth Wood Siding	1.26	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0103	SF	1 Coat Primer, Sprayed, Paint Exterior Smooth Wood Siding	0.51	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0104	SF	1 Coat Paint, Sprayed, Paint Exterior Smooth Wood Siding	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0105	SF	2 Coats Paint, Sprayed, Paint Exterior Smooth Wood Siding	1.01	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0106		Paint Exterior Rough Wood Siding *(09 91 13 00-0095)*		
		Note: Includes shingles, shakes or rough sawn siding.		
09 91 13 00-0107	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Primer, Brush Work	1.21	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0108	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 1 Coat Paint, Brush Work	1.22	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 13 00-0109	SF	Paint Exterior Wood Rough (Shingles, Shakes Or Rough Sawn) Siding, 2 Coats Paint, Brush Work	2.25	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.45*	
09 91 13 00-0110	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Brush/Roller Work	1.06	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 13 00-0111	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Brush/Roller Work	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0112	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Brush/Roller Work	2.14	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.21*	
		For >10,000 To 20,000, Deduct	*-0.32*	
		For >20,000, Deduct	*-0.43*	
09 91 13 00-0113	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Primer, Sprayed	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 13 00-0114	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 1 Coat Paint, Sprayed	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0115	SF	Paint Exterior Rough Wood Siding (Shingles, Shakes Or Rough Sawn), 2 Coats Paint, Sprayed	1.72	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	

09 91 13 00-0116 Paint Exterior Vinyl Siding *(09 91 13 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0117	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0118	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush Work	0.74	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0119	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush Work	1.38	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0120	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Brush/Roller Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0121	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Brush/Roller Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0122	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Brush/Roller Work	1.13	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0123	SF	Paint Exterior Vinyl Siding, 1 Coat Primer, Sprayed	0.56	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0124	SF	Paint Exterior Vinyl Siding, 1 Coat Paint, Sprayed	0.63	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0125	SF	Paint Exterior Vinyl Siding, 2 Coats Paint, Sprayed	1.24	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	

09 91 13 00-0126 Paint Exterior Ceilings *(09 91 13)*

09 91 13 00-0127 Paint Exterior Concrete Ceilings *(09 91 13 00-0126)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0128	SF	1 Coat Filler, Brush Work, Paint Exterior Concrete Ceiling	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0129	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Ceiling	0.77	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0130	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Ceiling	1.37	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0131	SF	1 Coat Filler, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0132	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	0.60	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0133	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Ceiling	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0134	SF	1 Coat Filler, Sprayed, Paint Exterior Concrete Ceiling	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0135	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Ceiling	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0136	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Ceiling	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	

09 91 13 00-0137 Drywall/Plaster *(09 91 13 00-0126)*

09 91 13 00-0138	SF	1 Coat Primer, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0139	SF	1 Coat Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	0.77	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0140	SF	2 Coats Paint, Brush Work, Paint Exterior Drywall/Plaster Ceiling	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.20*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Epoxy Paint, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0141	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.54	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.07*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0142	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	0.60	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.08*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0143	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Drywall/Plaster Ceiling	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0144	SF	1 Coat Primer, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
		For Epoxy Paint, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0145	SF	1 Coat Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
		For Epoxy Paint, Add	*0.06*	
09 91 13 00-0146	SF	2 Coats Paint, Sprayed, Paint Exterior Drywall/Plaster Ceiling	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Epoxy Paint, Add	*0.11*	

09 91 13 00-0147 Paint Exterior Wood Ceilings *(09 91 13 00-0126)*

09 91 13 00-0148 Paint Exterior Smooth Wood Ceilings *(09 91 13 00-0147)*

09 91 13 00-0149	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0150	SF	Paint Exterior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0151	SF	Paint Exterior Wood Smooth Ceiling, 2 Coats Paint, Brush Work	1.66	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 13 00-0152	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work	0.70	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0153	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.76	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0154	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.35	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0155	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0156	SF	Paint Exterior Smooth Wood Ceiling, 1 Coat Paint, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0157	SF	Paint Exterior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	1.05	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	

09 91 13 00-0158 Paint Exterior Rough Wood Ceilings *(09 91 13 00-0147)*

09 91 13 00-0159	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Primer, Brush Work	1.31	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.59*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 13 00-0160	SF	Paint Exterior Wood Rough Ceiling, 1 Coat Paint, Brush Work	1.34	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.92*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0161	SF	Paint Exterior Wood Rough Ceiling, 2 Coats Paint, Brush Work	2.34	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.82*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.13*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.47*	
09 91 13 00-0162	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Brush/Roller Work	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 13 00-0163	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Brush/Roller Work	1.24	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 13 00-0164	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Brush/Roller Work	2.22	
		For Oil Based Paint, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.65*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.89*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.22*	
		For >10,000 To 20,000, Deduct	*-0.33*	
		For >20,000, Deduct	*-0.44*	
09 91 13 00-0165	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Primer, Sprayed	0.91	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0166	SF	Paint Exterior Rough Wood Ceiling, 1 Coat Paint, Sprayed	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 13 00-0167	SF	Paint Exterior Rough Wood Ceiling, 2 Coats Paint, Sprayed	1.83	
		For Oil Based Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.37*	

09 91 13 00-0168 Paint Exterior Metal Ceilings *(09 91 13 00-0126)*

09 91 13 00-0169 Paint Exterior Galvanized Ceilings *(09 91 13 00-0168)*

Note: Linseed oil or acrylic latex paint.

09 91 13 00-0170	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush Work	0.88	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0171	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush Work	0.97	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0172	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.76	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 13 00-0173	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.67	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0174	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.76	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0175	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.35	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.82*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.27*	
09 91 13 00-0176	SF	Paint Exterior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.66	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0177	SF	Paint Exterior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.77	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0178	SF	Paint Exterior Galvanized Ceiling, 2 Coats Paint, Sprayed	1.22	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0179 Paint Exterior Aluminum And Aluminum Alloy Ceilings *(09 91 13 00-0168)*

Note: Alkyd enamel paint.

09 91 13 00-0180	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	0.88	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 13 00-0181	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	0.97	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0182	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work	1.76	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.55*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0183	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work	0.74	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0184	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.83	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0185	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.48	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
09 91 13 00-0186	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.66	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0187	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.66	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0188	SF	Paint Exterior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed	1.22	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	

09 91 13 00-0189 Paint Exterior Corrugated Metal Ceilings *(09 91 13 00-0168)*

09 91 13 00-0190	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.73	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0191	SF	Paint Exterior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed	0.85	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0192	SF	Paint Exterior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed	1.53	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	

09 91 13 00-0193 Paint Exterior Floors *(09 91 13)*

09 91 13 00-0194 Paint Exterior Concrete Floors *(09 91 13 00-0193)*

09 91 13 00-0195	SF	1 Coat Primer, Brush Work, Paint Exterior Concrete Floors And Decks	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0196	SF	1 Coat Paint, Brush Work, Paint Exterior Concrete Floors And Decks	0.60	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0197	SF	2 Coats Paint, Brush Work, Paint Exterior Concrete Floors And Decks	1.12	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 13 00-0198	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.46	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0199	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.52	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
09 91 13 00-0200	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 13 00-0201	SF	1 Coat Primer, Sprayed, Paint Exterior Concrete Floors And Decks	0.36	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.19*	
		For >100 To 250, Add	*0.09*	
		For >250 To 500, Add	*0.04*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.05*	
		For >20,000, Deduct	*-0.07*	
09 91 13 00-0202	SF	1 Coat Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.45	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0203	SF	2 Coats Paint, Sprayed, Paint Exterior Concrete Floors And Decks	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0204	SF	1 Coat Non Slip Paint, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	1.45	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 13 00-0205	SF	1 Coat Anti-Slip, Single Component Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	3.40	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.17*	
		For >5,000 To 10,000, Deduct	*-0.34*	
		For >10,000 To 20,000, Deduct	*-0.51*	
		For >20,000, Deduct	*-0.68*	
09 91 13 00-0206	SF	1 Coat Anti-Slip High Performance Epoxy Coating, Brush/Roller Work, Paint Exterior Concrete Floors And Decks	4.22	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.53*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.21*	
		For >5,000 To 10,000, Deduct	*-0.42*	
		For >10,000 To 20,000, Deduct	*-0.63*	
		For >20,000, Deduct	*-0.84*	

09 91 13 00-0207 Paint Exterior Wood Floors *(09 91 13 00-0193)*

09 91 13 00-0208	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 13 00-0209	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 13 00-0210	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.39	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 13 00-0211	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 13 00-0212	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 13 00-0213	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0214	SF	Paint Exterior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 91 13 00-0215	SF	Paint Exterior Wood Floors And Decks, 1 Coat Paint, Sprayed	0.57	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 13 00-0216	SF	Paint Exterior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.94	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 13 00-0217	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.54	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 13 00-0218	SF	Paint Exterior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work	4.31	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.22*	
		For >5,000 To 10,000, Deduct	*-0.43*	
		For >10,000 To 20,000, Deduct	*-0.65*	
		For >20,000, Deduct	*-0.86*	

09 91 13 00-0219 Paint Exterior Doors And Windows *(09 91 13)*

09 91 13 00-0220 Paint Exterior Door Frames *(09 91 13 00-0219)*

09 91 13 00-0221	LF	Paint Exterior Wood Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.91	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.24*	
09 91 13 00-0222	LF	Paint Exterior Wood Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.18	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.31*	
09 91 13 00-0223	LF	Paint Exterior Wood Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.98	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.52*	
09 91 13 00-0224	LF	Paint Exterior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.92	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.24*	
09 91 13 00-0225	LF	Paint Exterior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.19	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.31*	
09 91 13 00-0226	LF	Paint Exterior Metal Door Frame And Trim, 2 Coats Paint, Brush/Roller Work	1.99	
		For Painting Either Interior Or Exterior Only, Deduct	*-0.52*	

09 91 13 00-0227 Paint Exterior Metal Doors *(09 91 13 00-0219)*

09 91 13 00-0228	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door Note: One face	38.25	
		For Half Louvered Door, Add	*3.72*	
		For Full Louvered Door, Add	*6.20*	
		For Electrostatic Painting, Add	*5.84*	
		For >5 To 10, Deduct	*-1.91*	
		For >10 To 25, Deduct	*-3.83*	
		For >25, Deduct	*-5.74*	
09 91 13 00-0229	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door Note: One face	38.25	
		For Half Louvered Door, Add	*3.72*	
		For Full Louvered Door, Add	*6.20*	
		For Electrostatic Painting, Add	*5.84*	
		For >5 To 10, Deduct	*-1.91*	
		For >10 To 25, Deduct	*-3.83*	
		For >25, Deduct	*-5.74*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0230	EA	2 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	68.62	
		Note: One face		
		For Half Louvered Door, Add	*6.29*	
		For Full Louvered Door, Add	*10.48*	
		For Electrostatic Painting, Add	*10.87*	
		For >5 To 10, Deduct	*-3.43*	
		For >10 To 25, Deduct	*-6.86*	
		For >25, Deduct	*-10.29*	
09 91 13 00-0231	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Door	68.64	
		Note: Both faces		
		For Half Louvered Door, Add	*6.67*	
		For Full Louvered Door, Add	*11.12*	
		For Electrostatic Painting, Add	*10.49*	
		For >5 To 10, Deduct	*-3.43*	
		For >10 To 25, Deduct	*-6.86*	
		For >25, Deduct	*-10.30*	
09 91 13 00-0232	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Door	68.64	
		Note: Both faces		
		For Half Louvered Door, Add	*6.67*	
		For Full Louvered Door, Add	*11.12*	
		For Electrostatic Painting, Add	*10.49*	
		For >5 To 10, Deduct	*-3.43*	
		For >10 To 25, Deduct	*-6.86*	
		For >25, Deduct	*-10.30*	
09 91 13 00-0233	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Door	123.57	
		Note: Both faces		
		For Half Louvered Door, Add	*11.29*	
		For Full Louvered Door, Add	*18.82*	
		For Electrostatic Painting, Add	*19.60*	
		For >5 To 10, Deduct	*-6.18*	
		For >10 To 25, Deduct	*-12.36*	
		For >25, Deduct	*-18.54*	
09 91 13 00-0234	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	35.98	
		Note: One face		
		For Half Louvered Door, Add	*3.18*	
		For Full Louvered Door, Add	*5.30*	
		For Electrostatic Painting, Add	*5.82*	
		For >5 To 10, Deduct	*-1.80*	
		For >10 To 25, Deduct	*-3.60*	
		For >25, Deduct	*-5.40*	
09 91 13 00-0235	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	35.98	
		Note: One face		
		For Half Louvered Door, Add	*3.18*	
		For Full Louvered Door, Add	*5.30*	
		For Electrostatic Painting, Add	*5.82*	
		For >5 To 10, Deduct	*-1.80*	
		For >10 To 25, Deduct	*-3.60*	
		For >25, Deduct	*-5.40*	
09 91 13 00-0236	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	65.17	
		Note: One face		
		For Half Louvered Door, Add	*5.37*	
		For Full Louvered Door, Add	*8.95*	
		For Electrostatic Painting, Add	*10.92*	
		For >5 To 10, Deduct	*-3.26*	
		For >10 To 25, Deduct	*-6.52*	
		For >25, Deduct	*-9.78*	
09 91 13 00-0237	EA	1 Coat Primer, Sprayed, Paint Exterior Metal Door	64.58	
		Note: Both faces		
		For Half Louvered Door, Add	*5.70*	
		For Full Louvered Door, Add	*9.50*	
		For Electrostatic Painting, Add	*10.44*	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.46*	
		For >25, Deduct	*-9.69*	
09 91 13 00-0238	EA	1 Coat Paint, Sprayed, Paint Exterior Metal Door	64.58	
		Note: Both faces		
		For Half Louvered Door, Add	*5.70*	
		For Full Louvered Door, Add	*9.50*	
		For Electrostatic Painting, Add	*10.44*	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.46*	
		For >25, Deduct	*-9.69*	
09 91 13 00-0239	EA	2 Coats Paint, Sprayed, Paint Exterior Metal Door	117.45	
		Note: Both faces		
		For Half Louvered Door, Add	*9.65*	
		For Full Louvered Door, Add	*16.08*	
		For Electrostatic Painting, Add	*19.72*	
		For >5 To 10, Deduct	*-5.87*	
		For >10 To 25, Deduct	*-11.75*	
		For >25, Deduct	*-17.62*	
09 91 13 00-0240	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	1.93	
		For Electrostatic Painting, Add	*0.23*	
09 91 13 00-0241	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.01	
		For Electrostatic Painting, Add	*0.25*	
09 91 13 00-0242	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Overhead, Section Door, Or Roll Up Door	4.14	
		For Electrostatic Painting, Add	*0.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0243	SF	1 Coat Primer, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.22	
		For Electrostatic Painting, Add	*0.26*	
09 91 13 00-0244	SF	1 Coat Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	2.30	
		For Electrostatic Painting, Add	*0.28*	
09 91 13 00-0245	SF	2 Coats Paint, Sprayed, Paint Exterior Metal Overhead, Sectional Door, Or Roll Up Door	4.47	
		For Electrostatic Painting, Add	*0.54*	

09 91 13 00-0246 Paint Exterior Wood Doors *(09 91 13 00-0219)*

09 91 13 00-0247	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	35.73	
		Note: One face		
		For Half Louvered Door, Add	*3.72*	
		For Full Louvered Door, Add	*6.20*	
		For >5 To 10, Deduct	*-1.79*	
		For >10 To 25, Deduct	*-3.57*	
		For >25, Deduct	*-5.36*	
09 91 13 00-0248	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	35.73	
		Note: One face		
		For Half Louvered Door, Add	*3.72*	
		For Full Louvered Door, Add	*6.20*	
		For >5 To 10, Deduct	*-1.79*	
		For >10 To 25, Deduct	*-3.57*	
		For >25, Deduct	*-5.36*	
09 91 13 00-0249	EA	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Door	63.61	
		Note: One face		
		For Half Louvered Door, Add	*6.29*	
		For Full Louvered Door, Add	*10.48*	
		For >5 To 10, Deduct	*-3.18*	
		For >10 To 25, Deduct	*-6.36*	
		For >25, Deduct	*-9.54*	
09 91 13 00-0250	EA	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Door	64.11	
		Note: Both faces		
		For Half Louvered Door, Add	*6.67*	
		For Full Louvered Door, Add	*11.12*	
		For >5 To 10, Deduct	*-3.21*	
		For >10 To 25, Deduct	*-6.41*	
		For >25, Deduct	*-9.62*	
09 91 13 00-0251	EA	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Door	64.11	
		Note: Both faces		
		For Half Louvered Door, Add	*6.67*	
		For Full Louvered Door, Add	*11.12*	
		For >5 To 10, Deduct	*-3.21*	
		For >10 To 25, Deduct	*-6.41*	
		For >25, Deduct	*-9.62*	
09 91 13 00-0252	EA	2 Coats Paint, Brush Roller Work, Paint Exterior Wood Door	114.50	
		Note: Both faces		
		For Half Louvered Door, Add	*11.29*	
		For Full Louvered Door, Add	*18.82*	
		For >5 To 10, Deduct	*-5.73*	
		For >10 To 25, Deduct	*-11.45*	
		For >25, Deduct	*-17.18*	
09 91 13 00-0253	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	33.21	
		Note: One face		
		For Half Louvered Door, Add	*3.18*	
		For Full Louvered Door, Add	*5.30*	
		For >5 To 10, Deduct	*-1.66*	
		For >10 To 25, Deduct	*-3.32*	
		For >25, Deduct	*-4.98*	
09 91 13 00-0254	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	33.21	
		Note: One face		
		For Half Louvered Door, Add	*3.18*	
		For Full Louvered Door, Add	*5.30*	
		For >5 To 10, Deduct	*-1.66*	
		For >10 To 25, Deduct	*-3.32*	
		For >25, Deduct	*-4.98*	
09 91 13 00-0255	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	59.69	
		Note: One face		
		For Half Louvered Door, Add	*5.37*	
		For Full Louvered Door, Add	*8.96*	
		For >5 To 10, Deduct	*-2.98*	
		For >10 To 25, Deduct	*-5.97*	
		For >25, Deduct	*-8.95*	
09 91 13 00-0256	EA	1 Coat Primer, Sprayed, Paint Exterior Wood Door	59.59	
		Note: Both faces		
		For Half Louvered Door, Add	*5.70*	
		For Full Louvered Door, Add	*9.50*	
		For >5 To 10, Deduct	*-2.98*	
		For >10 To 25, Deduct	*-5.96*	
		For >25, Deduct	*-8.94*	
09 91 13 00-0257	EA	1 Coat Paint, Sprayed, Paint Exterior Wood Door	59.59	
		Note: Both faces		
		For Half Louvered Door, Add	*5.70*	
		For Full Louvered Door, Add	*9.50*	
		For >5 To 10, Deduct	*-2.98*	
		For >10 To 25, Deduct	*-5.96*	
		For >25, Deduct	*-8.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0258	EA	2 Coats Paint, Sprayed, Paint Exterior Wood Door	107.47	
		Note: Both faces		
		For Half Louvered Door, Add	*9.65*	
		For Full Louvered Door, Add	*16.08*	
		For >5 To 10, Deduct	*-5.37*	
		For >10 To 25, Deduct	*-10.75*	
		For >25, Deduct	*-16.12*	
09 91 13 00-0259	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	1.89	
09 91 13 00-0260	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	1.95	
09 91 13 00-0261	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	4.03	
09 91 13 00-0262	SF	1 Coat Primer, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.17	
09 91 13 00-0263	SF	1 Coat Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	2.24	
09 91 13 00-0264	SF	2 Coats Paint, Sprayed, Paint Exterior Wood Overhead, Sectional Door, Or Roll Up Door	4.35	

09 91 13 00-0265 Paint Exterior Metal Windows *(09 91 13 00-0219)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 13 00-0266	EA	Up To 8 SF Window Size, Paint Exterior Metal Window Including Trim	64.54	
		For Electrostatic Painting, Add	*7.79*	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.45*	
		For >25, Deduct	*-9.68*	
09 91 13 00-0267	EA	>8 To 14 SF Window Size, Paint Exterior Metal Window Including Trim	77.96	
		For Electrostatic Painting, Add	*9.87*	
		For >5 To 10, Deduct	*-3.90*	
		For >10 To 25, Deduct	*-7.80*	
		For >25, Deduct	*-11.69*	
09 91 13 00-0268	EA	>14 To 20 SF Window Size, Paint Exterior Metal Window Including Trim	105.15	
		For Electrostatic Painting, Add	*13.45*	
		For >5 To 10, Deduct	*-5.26*	
		For >10 To 25, Deduct	*-10.52*	
		For >25, Deduct	*-15.77*	
09 91 13 00-0269	EA	>20 To 26 SF Window Size, Paint Exterior Metal Window Including Trim	118.41	
		For Electrostatic Painting, Add	*15.16*	
		For >5 To 10, Deduct	*-5.92*	
		For >10 To 25, Deduct	*-11.84*	
		For >25, Deduct	*-17.76*	
09 91 13 00-0270	EA	>26 To 34 SF Window Size, Paint Exterior Metal Window Including Trim	131.32	
		For Electrostatic Painting, Add	*16.79*	
		For >5 To 10, Deduct	*-6.57*	
		For >10 To 25, Deduct	*-13.13*	
		For >25, Deduct	*-19.70*	
09 91 13 00-0271	SF	>34 SF Window Size, Paint Exterior Metal Window Including Trim	4.17	
		For Electrostatic Painting, Add	*0.53*	

09 91 13 00-0272 Paint Exterior Wood Windows *(09 91 13 00-0219)*

Note: Two finish coats paint over primer.

09 91 13 00-0273	EA	Up To 8 SF Window Size, Paint Exterior Wood Window Including Trim	62.86	
		For >5 To 10, Deduct	*-3.14*	
		For >10 To 25, Deduct	*-6.29*	
		For >25, Deduct	*-9.43*	
09 91 13 00-0274	EA	>8 To 14 SF Window Size, Paint Exterior Wood Window Including Trim	75.37	
		For >5 To 10, Deduct	*-3.77*	
		For >10 To 25, Deduct	*-7.54*	
		For >25, Deduct	*-11.31*	
09 91 13 00-0275	EA	>14 To 20 SF Window Size, Paint Exterior Wood Window Including Trim	101.47	
		For >5 To 10, Deduct	*-5.07*	
		For >10 To 25, Deduct	*-10.15*	
		For >25, Deduct	*-15.22*	
09 91 13 00-0276	EA	>20 To 26 SF Window Size, Paint Exterior Wood Window Including Trim	114.26	
		For >5 To 10, Deduct	*-5.71*	
		For >10 To 25, Deduct	*-11.43*	
		For >25, Deduct	*-17.14*	
09 91 13 00-0277	EA	>26 To 34 SF Window Size, Paint Exterior Wood Window Including Trim	126.75	
		For >5 To 10, Deduct	*-6.34*	
		For >10 To 25, Deduct	*-12.68*	
		For >25, Deduct	*-19.01*	
09 91 13 00-0278	SF	>34 SF Window Size, Paint Exterior Wood Window Including Trim	4.24	

09 91 13 00-0279 Paint Exterior Security Screens *(09 91 13 00-0219)*

09 91 13 00-0280	SF	Paint Exterior Security Screen, 1 Coat Primer, Brush/Roller Work	1.11	
		For Electrostatic Painting, Add	*0.14*	
09 91 13 00-0281	SF	Paint Exterior Security Screen, 1 Coat Paint, Brush/Roller Work	1.14	
		For Electrostatic Painting, Add	*0.14*	
09 91 13 00-0282	SF	Paint Exterior Security Screen, 2 Coats Paint, Brush/Roller Work	1.90	
		For Electrostatic Painting, Add	*0.23*	

09 91 13 00-0283 Paint Exterior Window Guards *(09 91 13 00-0219)*

09 91 13 00-0284	SF	Paint Exterior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.11	
09 91 13 00-0285	SF	Paint Exterior Metal Window Guards, 1 Coat Paint, Brush/Roller Work	1.14	
09 91 13 00-0286	SF	Paint Exterior Metal Window Guards, 2 Coats Paint, Brush/Roller Work	1.90	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0287		**Paint Exterior Window Trim** *(09 91 13 00-0219)*		
09 91 13 00-0288	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.01	
09 91 13 00-0289	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.01	
09 91 13 00-0290	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Wood Window Frame And Trim	1.61	
09 91 13 00-0291	LF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.14	
09 91 13 00-0292	LF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Window Frame And Trim	1.14	
09 91 13 00-0293	LF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal WIndow Frame And Trim	1.87	
09 91 13 00-0294		**Paint Roofing And Trim** *(09 91 13)*		
09 91 13 00-0295		**Paint Stain Or Seal Wood Roofing** *(09 91 13 00-0294)*		
09 91 13 00-0296	SF	Stain And Seal Shingles/Shake, 1 Coat, Brush/Roller Work	1.39	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0297	SF	Stain And Seal Shingles/Shake, 2 Coats, Brush/Roller Work	2.56	
		For Up To 100, Add	*1.37*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 91 13 00-0298		**Paint Metal Roofing** *(09 91 13 00-0294)*		
09 91 13 00-0299	SF	Paint Metal Roofing, 1 Coat Paint, Brush/Roller Work	0.62	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0300	SF	Paint Metal Roofing, 2 Coats Paint, Brush/Roller Work	1.08	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0301	SF	Paint Metal Roof, 1 Coat Epoxy Polyamide Cured Resin Primer, Sprayed	0.71	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 91 13 00-0302	SF	Paint Metal Roof, 1 Coat Aliphatic Polyurethane, Sprayed	0.64	
		For Up To 100, Add	*0.31*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0303		**Paint Fascia Board** *(09 91 13 00-0294)*		
09 91 13 00-0304	LF	Paint Fascia Board, 1 Coat Primer, Brush/Roller Work	0.57	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0305	LF	Paint Fascia Board, 1 Coat Paint, Brush/Roller Work	0.57	
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0306	LF	Paint Fascia Board, 2 Coats Paint, Brush/Roller Work	1.00	
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0307		**Paint Soffit** *(09 91 13 00-0294)*		
09 91 13 00-0308	SF	Paint Soffit, 1 Coat Primer, Brush/Roller Work	0.66	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0309	SF	Paint Soffit, 1 Coat Paint, Brush/Roller Work	0.66	
		For Up To 100, Add	*0.32*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0310	SF	Paint Soffit, 2 Coats Paint, Brush/Roller Work	1.13	
		For Up To 100, Add	*0.56*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0311		**Special Coatings For Metal Roofs** *(09 91 13 00-0294)*		
09 91 13 00-0312	SF	Carboline Carboxane 950 Coating System With 15 year warranty	8.07	
09 91 13 00-0313	SF	Carboline Carbothane 134HG Coating System With 1 year warranty	5.19	
09 91 13 00-0314		**Paint Site Work** *(09 91 13)*		
		Note: Tasks can be used for exterior or interior applications.		
09 91 13 00-0315		**Paint Structural Steel** *(09 91 13 00-0314)*		
09 91 13 00-0316		**Paint Structural Steel, Brush Work** *(09 91 13 00-0315)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0317	SF	1 Field Coat Primer, Brush/Roller Work, Paint Structural Steel	0.77	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.08*	
09 91 13 00-0318	SF	1 Field Coat Paint, Brush/Roller Work, Paint Structural Steel	0.67	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.07*	

09 91 13 00-0319 Paint Structural Steel, Spray Work *(09 91 13 00-0315)*

09 91 13 00-0320	SF	Paint Structural Steel, 1 Field Coat Primer, Spray Work	0.58	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0321	SF	Paint Structural Steel, 1 Field Coat Paint, Spray Work	0.47	
		For Electrostatic Painting, Add	*0.07*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For Epoxy Paint, Add	*0.06*	

09 91 13 00-0322 Paint Metal Decking, Beams And Bar Joist *(09 91 13 00-0315)*

09 91 13 00-0323	SF	1 Coat Primer, Sprayed, Paint Exposed Metal Decking	0.66	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0324	SF	1 Coat Paint, Sprayed, Paint Exposed Metal Decking	0.66	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For Epoxy Paint, Add	*0.07*	
09 91 13 00-0325	SF	2 Coats Paint, Sprayed, Paint Exposed Metal Decking	1.09	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0326	SF	1 Coat Primer, Brush/Roller Work, Paint Metal Bearms And Bar Joists	0.90	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0327	SF	1 Coat Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	0.88	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For Epoxy Paint, Add	*0.11*	
09 91 13 00-0328	SF	2 Coats Paint, Brush/Roller Work, Paint Metal Beams And Bar Joists	1.67	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
		For Epoxy Paint, Add	*0.22*	
09 91 13 00-0329	SF	1 Coat Primer, Sprayed, Paint Metal Beams And Bar Joists	0.80	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0330	SF	1 Coat Paint, Sprayed, Paint Metal Beams And Bar Joists	0.80	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0331	SF	2 Coats Paint, Sprayed, Paint Metal Beams And Bar Joists	1.34	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For Epoxy Paint, Add	*0.18*	

09 91 13 00-0332 Paint Steel Pipes *(09 91 13 00-0314)*

Note: Includes pipe, tubes, rails, conduit, etc.

09 91 13 00-0333	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 1 Coat Primer	1.27	
		For Electrostatic Painting, Add	*0.16*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0334	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Primer	1.42	
		For Electrostatic Painting, Add	*0.18*	
		For Epoxy Paint, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0335	LF	Paint Steel Pipes 4" Diameter, 1 Coat Primer	1.59	
		For Electrostatic Painting, Add	*0.20*	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0336	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Primer	1.99	
		For Electrostatic Painting, Add	*0.25*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0337	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Primer	2.53	
		For Electrostatic Painting, Add	*0.31*	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0338	LF	Paint Conduit, Steel Pipe 1/2"To 1-1/2" Diameter, 1 Coat Paint	1.27	
		For Electrostatic Painting, Add	*0.16*	
		For Epoxy Paint, Add	*0.12*	
09 91 13 00-0339	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 1 Coat Paint	1.42	
		For Electrostatic Painting, Add	*0.18*	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0340	LF	Paint Steel Pipes 4" Diameter, 1 Coat Paint	1.59	
		For Electrostatic Painting, Add	*0.20*	
		For Epoxy Paint, Add	*0.16*	
09 91 13 00-0341	LF	Paint Steel Pipes 6" To 8" Diameter, 1 Coat Paint	1.99	
		For Electrostatic Painting, Add	*0.25*	
		For Epoxy Paint, Add	*0.19*	
09 91 13 00-0342	LF	Paint Steel Pipes 10" To 12" Diameter 1 Coat Paint	2.53	
		For Electrostatic Painting, Add	*0.31*	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0343	LF	Paint Conduit, Steel Pipe 1/2" To 1-1/2" Diameter, 2 Coats	2.55	
		For Electrostatic Painting, Add	*0.33*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0344	LF	Paint Conduit, Steel Pipe 2" To 3-1/2" Diameter, 2 Coats	2.82	
		For Electrostatic Painting, Add	*0.35*	
		For Epoxy Paint, Add	*0.28*	
09 91 13 00-0345	LF	Paint Steel Pipes 4" Diameter, 2 Coats	3.06	
		For Electrostatic Painting, Add	*0.38*	
		For Epoxy Paint, Add	*0.31*	
09 91 13 00-0346	LF	Paint Steel Pipes 6" To 8" Diameter, 2 Coats	3.87	
		For Electrostatic Painting, Add	*0.48*	
		For Epoxy Paint, Add	*0.38*	
09 91 13 00-0347	LF	Paint Steel Pipes 10" To 12" Diameter, 2 Coats	4.76	
		For Electrostatic Painting, Add	*0.60*	
		For Epoxy Paint, Add	*0.48*	
09 91 13 00-0348	EA	Paint Exposed Single Or Double Gang, Outlet Box, 1 Coat Paint	6.36	
		For Electrostatic Painting, Add	*0.67*	
		For Epoxy Paint, Add	*0.38*	

09 91 13 00-0349 Paint Fencing *(09 91 13 00-0314)*

Note: Per side of fence. Based on gross fence area (length of fence x height of fence).

09 91 13 00-0350	SF	1 Coat Paint, Brush/Roller, Paint Existing Chain Link Fence	0.63	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
09 91 13 00-0351	SF	2 Coats Paint, Brush/Roller, Paint Existing Chain Link Fence	1.18	
		For Epoxy Paint, Add	*0.13*	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
09 91 13 00-0352	SF	1 Coat Paint, Sprayed, Paint Existing Chain Link Fence	0.57	
		For Epoxy Paint, Add	*0.07*	
		For Electrostatic Painting, Add	*0.08*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0353	SF	2 Coats Paint, Sprayed, Paint Existing Chain Link Fence	1.08	
		For Epoxy Paint, Add	*0.14*	
		For Electrostatic Painting, Add	*0.15*	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
09 91 13 00-0354	SF	1 Coat Primer, Brush/Roller, Paint Wrought Iron Fence	0.57	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0355	SF	1 Coat, Brush/Roller, Paint Wrought Iron Fence	0.54	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0356	SF	Each Additional Coat, Brush/Roller, Paint Wrought Iron Fence	0.38	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.22*	
		For >100 To 250, Add	*0.11*	
		For >250 To 500, Add	*0.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0357	SF	1 Coat Primer, Brush/Roller, Paint Picket Fence	0.75	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0358	SF	1 Coat, Brush/Roller, Paint Picket Fence	0.75	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 91 13 00-0359	SF	Each Additional Coat, Brush/Roller, Paint Picket Fence	0.53	
		For Epoxy Paint, Add	*0.05*	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0360	SF	1 Coat, Brush/Roller, Paint Wood Fences	0.55	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 91 13 00-0361	SF	2 Coats, Brush/Roller, Paint Wood Fences	0.97	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
09 91 13 00-0362	SF	1 Coat, Sprayed, Paint Wood Fences	0.45	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
09 91 13 00-0363	SF	2 Coats, Sprayed, Paint Wood Fences	0.83	
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	

09 91 13 00-0364 Paint Metal Louvers *(09 91 13 00-0314)*

09 91 13 00-0365	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Primer, Brush/Roller Work	1.08	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0366	SF	Paint Ventilation Louver, SF Of Opening Area, 1 Coat Alkyd, Brush/Roller Work	1.09	
		For Electrostatic Painting, Add	*0.13*	
09 91 13 00-0367	SF	Paint Ventilation Louver, SF Of Opening Area, 2 Coats Alkyd, Brush/Roller Work	2.23	
		For Electrostatic Painting, Add	*0.27*	

09 91 13 00-0368 Paint Ladders *(09 91 13 00-0314)*

09 91 13 00-0369	LF	Paint Ladders, 1 Coat Alkyd Primer, Brush/Roller Work	2.99	
		For Epoxy Paint, Add	*0.18*	
09 91 13 00-0370	LF	Paint Ladders, 1 Coat Alkyd Enamel, Brush/Roller Work	3.34	
		For Epoxy Paint, Add	*0.20*	
09 91 13 00-0371	LF	Paint Ladders, 2 Coats Alkyd Enamel, Brush/Roller Work	6.58	
		For Epoxy Paint, Add	*0.37*	

09 91 13 00-0372 Paint Handrails *(09 91 13 00-0314)*

09 91 13 00-0373	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	1.18	
		For Epoxy Paint, Add	*0.09*	
09 91 13 00-0374	LF	Paint Hand Rail And Bracket, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	1.31	
		For Epoxy Paint, Add	*0.10*	
09 91 13 00-0375	LF	Paint Hand Rail And Bracket, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	2.17	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0376	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Primer, Brush/Roller Work	2.10	
		For Epoxy Paint, Add	*0.24*	
09 91 13 00-0377	LF	Paint Pipe Rail And Pickets, 1 Rail, 1 Coat Alkyd Enamel, Brush/Roller Work	2.31	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0378	LF	Paint Pipe Rail And Pickets, 1 Rail, 2 Coats Alkyd Enamel, Brush/Roller Work	3.98	
		For Epoxy Paint, Add	*0.41*	
09 91 13 00-0379	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Primer, Brush/Roller Work	2.27	
		For Epoxy Paint, Add	*0.25*	
09 91 13 00-0380	LF	Paint Pipe Rail And Pickets, 2 Rails, 1 Coat Alkyd Enamel, Brush/Roller Work	2.50	
		For Epoxy Paint, Add	*0.26*	
09 91 13 00-0381	LF	Paint Pipe Rail And Pickets, 2 Rails, 2 Coats Alkyd Enamel, Brush/Roller Work	4.23	
		For Epoxy Paint, Add	*0.42*	
09 91 13 00-0382	LF	Paint Balustrades, 1 Coat Alkyd Primer, Brush/Roller Work	1.28	
		For Epoxy Paint, Add	*0.13*	
09 91 13 00-0383	LF	Paint Balustrades, 1 Coat Alkyd Enamel, Brush/Roller Work	1.40	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0384	LF	Paint Balustrades, 2 Coats Alkyd Enamel, Brush/Roller Work	2.55	
		For Epoxy Paint, Add	*0.26*	

09 91 13 00-0385 Paint Grating *(09 91 13 00-0314)*

09 91 13 00-0386	SF	Paint Gratings And Frames, 1 Coat Primer, Brush/Roller Work	2.17	
		For Epoxy Paint, Add	*0.14*	
09 91 13 00-0387	SF	Paint Gratings And Frames, 1 Coat Paint, Brush/Roller Work	2.20	
		For Epoxy Paint, Add	*0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 13 00-0388	SF	Paint Gratings And Frames, 2 Coats Paint, Brush/Roller Work	3.29	
		For Epoxy Paint, Add	*0.24*	

09 91 13 00-0389 Equipment And Tanks *(09 91 13 00-0314)*

09 91 13 00-0390 Valves, Primer And Finish Coats *(09 91 13 00-0389)*

09 91 13 00-0391	EA	Prime And Paint 4" And Smaller Valve	22.00	
09 91 13 00-0392	EA	Prime And Paint 6" To 10" Valve	26.89	
09 91 13 00-0393	EA	Prime And Paint 12" To 18" Valve	35.43	
09 91 13 00-0394	EA	Prime And Paint 20" To 24" Valve	47.62	
09 91 13 00-0395	EA	Prime And Paint >24" To 36" Valve	64.71	
09 91 13 00-0396	EA	Prime And Paint >36" To 48" Valve	87.96	

09 91 13 00-0397 Pumps And Motors. Primer And Finish Coats *(09 91 13 00-0389)*

09 91 13 00-0398	EA	Prime And Paint Pump Under 1 HP	67.24	
09 91 13 00-0399	EA	Prime And Paint Pump, 1 HP To 5 HP	88.10	
09 91 13 00-0400	EA	Prime And Paint Pump, >5 HP To 10 HP	105.35	
09 91 13 00-0401	EA	Prime And Paint Pump, >10 HP To 20 HP	117.68	
09 91 13 00-0402	EA	Prime And Paint Pump, >20 HP To 30 HP	137.29	
09 91 13 00-0403	EA	Prime And Paint Pump, >30 HP To 50 HP	156.89	
09 91 13 00-0404	EA	Prime And Paint Pump, >50 HP To 75 HP	172.87	
09 91 13 00-0405	EA	Prime And Paint Pump, >75 HP	196.13	

09 91 13 00-0406 Storage Tanks *(09 91 13 00-0389)*

09 91 13 00-0407	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Roller	0.83	
09 91 13 00-0408	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Roller	1.08	
09 91 13 00-0409	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Roller	2.06	
09 91 13 00-0410	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Roller	1.14	
09 91 13 00-0411	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Roller	1.42	
09 91 13 00-0412	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Roller	2.74	
09 91 13 00-0413	SF	Paint Storage Tank, Exterior Surface, 1 Coat Primer, Spray	0.89	
09 91 13 00-0414	SF	Paint Storage Tank, Exterior Surface, 1 Coat Paint, Spray	1.06	
09 91 13 00-0415	SF	Paint Storage Tank, Exterior Surface, 2 Coats Paint, Spray	2.04	
09 91 13 00-0416	SF	Paint Storage Tank, Interior Surface, 1 Coat Primer, Spray	1.03	
09 91 13 00-0417	SF	Paint Storage Tank, Interior Surface, 1 Coat Paint, Spray	1.33	
09 91 13 00-0418	SF	Paint Storage Tank, Interior Surface, 2 Coats Paint, Spray	2.57	

09 91 13 00-0419 Other Site Work Painting *(09 91 13 00-0314)*

09 91 13 00-0420 Paint Shutters Or Blinds, Solid Panel *(09 91 13 00-0419)*

09 91 13 00-0421	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Brush Work	2.35	
09 91 13 00-0422	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Brush Work	2.36	
09 91 13 00-0423	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Brush Work	4.18	
09 91 13 00-0424	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat Primer, Sprayed	1.48	
09 91 13 00-0425	SF	Paint Shutter Or Blinds, Solid Panel, 1 Coat, Sprayed	1.49	
09 91 13 00-0426	SF	Paint Shutter Or Blinds, Solid Panel, 2 Coats, Sprayed	2.75	

09 91 13 00-0427 Paint Shutters Or Blinds, Louvered Panel *(09 91 13 00-0419)*

09 91 13 00-0428	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Brush Work	2.91	
09 91 13 00-0429	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Brush Work	2.92	
09 91 13 00-0430	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Brush Work	5.17	
09 91 13 00-0431	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat Primer, Sprayed	1.81	
09 91 13 00-0432	SF	Paint Shutter Or Blinds, Louvered Panel, 1 Coat, Sprayed	1.82	
09 91 13 00-0433	SF	Paint Shutter Or Blinds, Louvered Panel, 2 Coats, Sprayed	3.36	

09 91 13 00-0434 Paint Flagpoles *(09 91 13 00-0419)*

09 91 13 00-0435	EA	Paint Steel Flagpole, 20' High, 1 Coat Paint	186.94	
09 91 13 00-0436	EA	Paint Steel Flagpole, 30' High, 1 Coat Paint	251.22	
09 91 13 00-0437	EA	Paint Steel Flagpole, 40' High, 1 Coat Paint	315.53	
09 91 13 00-0438	EA	Paint Steel Flagpole, 50' High, 1 Coat Paint	379.85	
09 91 13 00-0439	EA	Paint Steel Flagpole, 70' High, 1 Coat Paint	505.32	
09 91 13 00-0440	EA	Paint Steel Flagpole, 80' High, 1 Coat Paint	569.25	
09 91 13 00-0441	EA	Paint Steel Flagpole, 90' High, 1 Coat Paint	633.18	

09 91 13 00-0442 Paint Lattice Or Trellis *(09 91 13 00-0419)*

09 91 13 00-0443	SF	Paint Wood Lattice Or Trellis 1 Coat, Spray Per Side	1.17	
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 91 13 00-0444	SF	Paint Wood Lattice Or Trellis 2 Coats, Spray Per Side	2.16	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 13 00-0445 Paint Exterior Stairs *(09 91 13)*

09 91 13 00-0446 Paint Exterior Concrete Stairs *(09 91 13 00-0445)*

09 91 13 00-0447	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	12.95	
09 91 13 00-0448	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	12.95	
09 91 13 00-0449	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	16.82	
09 91 13 00-0450	RSR	Paint Exterior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	27.93	
09 91 13 00-0451	RSR	Paint Exterior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	25.92	

09 91 13 00-0452 Paint Exterior Metal Stairs *(09 91 13 00-0445)*

09 91 13 00-0453	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	6.77	
		For Oil Based Paint, Add		*0.36*
09 91 13 00-0454	RSR	Paint Exterior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	6.77	
		For Oil Based Paint, Add		*0.36*
09 91 13 00-0455	RSR	Paint Exterior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	13.53	
		For Oil Based Paint, Add		*0.73*

09 91 13 00-0456 Paint Exterior Wood Stairs *(09 91 13 00-0445)*

09 91 13 00-0457	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	6.67	
09 91 13 00-0458	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	6.67	
09 91 13 00-0459	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	10.54	
09 91 13 00-0460	RSR	Paint Exterior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	21.65	
09 91 13 00-0461	RSR	Paint Exterior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	13.35	

09 91 13 00-0462 Paint Exterior Stair Nosing *(09 91 13 00-0445)*

09 91 13 00-0463	LF	Paint Exterior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.24	

09 91 13 00-0464 Paint Exterior Trim *(09 91 13)*

09 91 13 00-0465 Paint Exterior Metal Trim And Gutters *(09 91 13 00-0464)*

09 91 13 00-0466	SF	1 Coat Primer, Brush Work, Paint Exterior Exposed Metal Trim	0.95	
09 91 13 00-0467	SF	1 Coat Paint, Brush Work, Paint Exterior Exposed Metal Trim	0.95	
09 91 13 00-0468	SF	2 Coats Paint, Brush Work, Paint Exterior Exposed Metal Trim	1.71	
09 91 13 00-0469	SF	1 Coat Primer, Brush/Roller Work, Paint Exterior Metal Trim	0.77	
09 91 13 00-0470	SF	1 Coat Paint, Brush/Roller Work, Paint Exterior Metal Trim	0.86	
09 91 13 00-0471	SF	2 Coats Paint, Brush/Roller Work, Paint Exterior Metal Trim	1.53	
09 91 13 00-0472	LF	1 Coat Paint, Brush Work, Paint Exterior Gutter And Downspout	1.37	
09 91 13 00-0473	LF	2 Coats Paint, Brush Work, Paint Exterior Gutter And Downspout	1.78	

09 91 13 00-0474 Paint Exterior Wood Trim *(09 91 13 00-0464)*

09 91 13 00-0475	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush Work	1.23	
		For Oil Based Paint, Add		*0.07*
09 91 13 00-0476	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush Work	1.33	
		For Oil Based Paint, Add		*0.08*
09 91 13 00-0477	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush Work	2.41	
		For Oil Based Paint, Add		*0.14*
09 91 13 00-0478	SF	Paint Exterior Wood Trim, 1 Coat Primer, Brush/Roller Work	0.97	
		For Oil Based Paint, Add		*0.06*
09 91 13 00-0479	SF	Paint Exterior Wood Trim, 1 Coat Paint, Brush/Roller Work	1.08	
		For Oil Based Paint, Add		*0.07*
09 91 13 00-0480	SF	Paint Exterior Wood Trim, 2 Coats Paint, Brush/Roller Work	2.00	
		For Oil Based Paint, Add		*0.12*

09 91 13 00-0481 Paint Exterior Miscellaneous Metal Surfaces *(09 91 13)*

09 91 13 00-0482	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Primer, Brush/Roller Work	1.03	
		For Epoxy Paint, Add		*0.11*
		For Electrostatic Painting, Add		*0.13*
09 91 13 00-0483	SF	Paint Exterior Miscellaneous Metal Surfaces, 1 Coat Alkyd Enamel, Brush/Roller Work	0.96	
		For Epoxy Paint, Add		*0.09*
		For Electrostatic Painting, Add		*0.12*
09 91 13 00-0484	SF	Paint Exterior Miscellaneous Metal Surfaces, 2 Coats Alkyd Enamel, Brush/Roller Work	1.93	
		For Epoxy Paint, Add		*0.18*
		For Electrostatic Painting, Add		*0.24*

09 91 23 Interior Painting *(09 91)*

Note: Acrylic latex paint unless otherwise stated. VOC compliant in all regulated areas, review specifications for levels. Paint tasks covers all paint sheens: flat, eggshell, satin, semi-gloss, or gloss.

09 91 23 00-0001 Paint Interior Walls *(09 91 23)*

09 91 23 00-0002 Paint Interior Brick Walls *(09 91 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0003	SF	1 Coat Filler, Brush Work, Paint Interior Brick Walls	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0004	SF	1 Coat Paint, Brush Work, Paint Interior Brick Walls	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0005	SF	2 Coat Paint, Brush Work, Paint Interior Brick Walls	1.65	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.33*	
09 91 23 00-0006	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Brick Walls	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0007	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Brick Walls	0.81	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0008	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Brick Walls	1.40	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0009	SF	1 Coat Filler, Sprayed, Paint Interior Brick Walls	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.07*	
09 91 23 00-0010	SF	1 Coat Paint, Sprayed, Paint Interior Brick Walls	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	
09 91 23 00-0011	SF	2 Coats Paint, Sprayed, Paint Interior Brick Walls	1.14	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.13*	
09 91 23 00-0012	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Brick Walls	0.82	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0013	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Brick Walls	0.68	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0014	SF	1 Coat Bonding Agent, Spray, Paint Interior Brick Walls	0.62	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.07*	

09 91 23 00-0015 Paint Interior Concrete Walls *(09 91 23 00-0001)*

09 91 23 00-0016	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Walls	0.69	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0017	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Walls	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0018	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Walls	1.37	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.27*	
09 91 23 00-0019	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Walls	0.56	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0020	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Walls	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.41*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0021	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Walls	1.14	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0022	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Walls	0.48	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
		For Backroll, Add	*0.06*	
09 91 23 00-0023	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Walls	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
		For Backroll, Add	*0.07*	
09 91 23 00-0024	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Walls	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.11*	
09 91 23 00-0025	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Walls	0.71	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0026	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Walls	0.58	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0027	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Walls	0.50	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Backroll, Add	*0.06*	

09 91 23 00-0028 Paint Interior Concrete Block Walls *(09 91 23 00-0001)*

09 91 23 00-0029 Paint Interior Concrete Block Walls, Epoxy Paint *(09 91 23 00-0028)*

09 91 23 00-0030	SF	1 Coat Epoxy Filler, Brush Work, Paint Interior Concrete Block Walls	0.95	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0031	SF	1 Coat Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.10	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0032	SF	2 Coats Epoxy Paint, Brush Work, Paint Interior Concrete Block Walls	1.96	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.85*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.22*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0033	SF	1 Coat Epoxy Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	0.77	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0034	SF	1 Coat Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	0.86	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0035	SF	2 Coats Epoxy Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	1.62	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0036	SF	1 Coat Epoxy Filler, Sprayed, Paint Interior Concrete Block Walls	0.65	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	
09 91 23 00-0037	SF	1 Coat Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	0.79	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0038	SF	2 Coats Epoxy Paint, Sprayed, Paint Interior Concrete Block Walls	1.44	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
		For Backroll, Add	*0.16*	

09 91 23 00-0039 Paint Interior Concrete Block Walls, Acrylic Latex Paint *(09 91 23 00-0028)*

09 91 23 00-0040	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Block Walls	0.88	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0041	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Block Walls	1.04	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0042	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Block Walls	1.89	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0043	SF	Texture Coat, Brush Work, Paint Interior Concrete Block Walls	1.16	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0044	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Block Walls	0.74	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0045	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Block Walls	0.87	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.54*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0046	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	1.57	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0047	SF	Texture Coat, Brush/Roller Work, Paint Interior Concrete Block Walls	0.98	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0048	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Block Walls	0.67	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	
09 91 23 00-0049	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Block Walls	0.77	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.09*	
09 91 23 00-0050	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Block Walls	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.14*	
09 91 23 00-0051	SF	Texture Coat, Sprayed, Paint Interior Concrete Block Walls	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.11*	

09 91 23 00-0052 Paint Interior Concrete Block Walls With Bonding Agent *(09 91 23 00-0028)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0053	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Block Walls	0.90	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0054	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Block Walls	0.76	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0055	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Block Walls	0.71	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.08*	

09 91 23 00-0056 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0001)*

09 91 23 00-0057 Paint Interior Plaster/Drywall Walls *(09 91 23 00-0056)*

09 91 23 00-0058	SF	1 Coat Primer, Brush Work, Paint Iinterior Plaster/Drywall Walls	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.10*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0059	SF	1 Coat Paint, Brush Work, Paint Interior Plaster/Drywall Walls	0.75	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.11*	
		For Epoxy Paint, Add	*0.06*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0060	SF	2 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.38	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.20*	
		For Epoxy Paint, Add	*0.12*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
09 91 23 00-0061	SF	3 Coats Paint, Brush Work, Paint Interior Plaster/Drywall Walls	1.98	
		For Oil Based Paint, Add	*0.11*	
		For Orange Peel Finish, Add	*0.28*	
		For Epoxy Paint, Add	*0.18*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.94*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.32*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.40*	
09 91 23 00-0062	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Orange Peel Finish, Add	*0.08*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0063	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Epoxy Paint, Add	*0.06*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0064	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Plaster/Drywall Walls	1.15	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.16*	
		For Epoxy Paint, Add	*0.12*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0065	SF	1 Coat Primer, Sprayed, Paint Interior Plaster/Drywall Walls	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
		For Backroll, Add	*0.06*	
09 91 23 00-0066	SF	1 Coat Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.55	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
		For Backroll, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0067	SF	2 Coats Paint, Sprayed, Paint Interior Plaster/Drywall Walls	0.89	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.11*	
		For Each Coat With Egg Shell Finish, Add	*0.01*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.11*	

09 91 23 00-0068 Paint Interior Plaster/Drywall Or Masonry Walls With Polymix Multi-Color Paint *(09 91 23 00-0056)*

09 91 23 00-0069	SF	Paint Interior Plaster/Drywall Or Masonry Walls, 2 Tone Polymix With Base Coat, Sprayed	1.46	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.29*	
09 91 23 00-0070	SF	Paint Interior Plaster/Drywall Or Masonry Walls, 3 Tone Polymix With Base Coat, Sprayed	1.58	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.70*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0071	SF	Paint Interior Plaster/Drywall Or Masonry Walls, 4 Tone Polymix With Base Coat, Sprayed	1.69	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.72*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

09 91 23 00-0072 Paint Interior Plaster/Drywall Walls, Acoustic Texture *(09 91 23 00-0056)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0073	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Primer, Sprayed	0.61	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0074	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 1 Coat Finish, Sprayed	0.73	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0075	SF	Paint Interior Plaster/Drywall Walls, Acoustic Texture, 2 Coats Finish, Sprayed	1.14	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
09 91 23 00-0076	SF	Paint Interior Plaster/Drywall Walls, Stipple Finish (Drippowder)	1.16	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.44*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.83*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	

09 91 23 00-0077 Paint Interior Metal Walls *(09 91 23 00-0001)*

09 91 23 00-0078 Paint Interior Galvanized Walls *(09 91 23 00-0077)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0079	SF	1 Coat Primer, Brush Work, Paint Interior Galvanized Wall Surfaces	0.86	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0080	SF	1 Coat Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	0.96	
		For Electrostatic Painting, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0081	SF	2 Coats Paint, Brush Work, Paint Interior Galvanized Wall Surfaces	1.73	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
09 91 23 00-0082	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Galvanized Walls	0.64	
		For Electrostatic Painting, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0083	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Galvanized Wall	0.74	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0084	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Galvanized Walls	1.39	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0085	SF	1 Coat Primer, Sprayed, Paint Interior Galvanized Walls	0.53	
		For Electrostatic Painting, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.26*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.11*	
		For Backroll, Add	*0.06*	
09 91 23 00-0086	SF	1 Coat Paint, Sprayed, Paint Interior Galvanized Walls	0.72	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.09*	
09 91 23 00-0087	SF	2 Coats Paint, Sprayed, Paint Interior Galvanized Walls	1.18	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.13*	

09 91 23 00-0088 Paint Interior Aluminum And Aluminum Alloy Walls *(09 91 23 00-0077)*

Note: Alkyd enamel paint.

09 91 23 00-0089	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Primer, Brush Work	0.86	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0090	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 1 Coat Paint, Brush Work	0.96	
		For Electrostatic Painting, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0091	SF	Paint Interior Aluminum And Aluminum Alloy Wall Surfaces, 2 Coats Paint, Brush Work	1.72	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.34*	
09 91 23 00-0092	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Brush/Roller Work	0.71	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0093	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Brush/Roller Work	0.80	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0094	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Brush/Roller Work	1.50	
		For Electrostatic Painting, Add	*0.22*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0095	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Primer, Sprayed	0.59	
		For Electrostatic Painting, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.30*	
		For >100 To 250, Add	*0.15*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.07*	
09 91 23 00-0096	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 1 Coat Paint, Sprayed	0.72	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.09*	
09 91 23 00-0097	SF	Paint Interior Aluminum And Aluminum Alloy Walls, 2 Coats Paint, Sprayed	1.18	
		For Electrostatic Painting, Add	*0.19*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
		For Backroll, Add	*0.13*	

09 91 23 00-0098 Paint Interior Corrugated Metal Walls *(09 91 23 00-0077)*

09 91 23 00-0099	SF	Paint Interior Corrugated Metal Walls, 1 Coat Primer, Sprayed	0.66	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.06*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0100	SF	Paint Interior Corrugated Metal Walls, 1 Coat Paint, Sprayed	0.90	
		For Electrostatic Painting, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.11*	
09 91 23 00-0101	SF	Paint Interior Corrugated Metal Walls, 2 Coats Paint, Sprayed	1.49	
		For Electrostatic Painting, Add	*0.23*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.39*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.30*	
		For Backroll, Add	*0.17*	

09 91 23 00-0102 Paint Interior Stucco Walls *(09 91 23 00-0001)*

09 91 23 00-0103	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush Work	1.19	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.24*	
09 91 23 00-0104	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush Work	1.30	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0105	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush Work	2.29	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.79*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.11*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.34*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0106	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Brush/Roller Work	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0107	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Brush/Roller Work	1.01	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0108	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Brush/Roller Work	1.85	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.28*	
		For >20,000, Deduct	*-0.37*	
09 91 23 00-0109	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Primer, Sprayed	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0110	SF	Paint Interior Stucco Wall Surfaces, 1 Coat Paint, Sprayed	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
		For Backroll, Add	*0.10*	
09 91 23 00-0111	SF	Paint Interior Stucco Wall Surfaces, 2 Coats Paint, Sprayed	1.60	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
		For Backroll, Add	*0.20*	

09 91 23 00-0112 Paint Interior Wood Walls *(09 91 23 00-0001)*

09 91 23 00-0113 Interior Wood Walls *(09 91 23 00-0112)*

09 91 23 00-0114	SF	1 Coat Paint, Brush Work, Paint Interior Wood Wall Surfaces	0.89	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0115	SF	2 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	1.62	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.56*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.76*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.08*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0116	SF	3 Coats Paint, Brush Work, Paint Interior Wood Wall Surfaces	2.31	
		For Oil Based Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.78*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.08*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
		For >2,500 To 5,000, Deduct	*-0.12*	
		For >5,000 To 10,000, Deduct	*-0.23*	
		For >10,000 To 20,000, Deduct	*-0.35*	
		For >20,000, Deduct	*-0.46*	
09 91 23 00-0117	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Walls	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0118	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Walls	0.72	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0119	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Walls	1.26	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.57*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0120	SF	1 Coat Primer, Sprayed, Paint Interior Wood Walls	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
		For Backroll, Add	*0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0121	SF	1 Coat Paint, Sprayed, Paint Interior Wood Walls	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.35*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.07*	
09 91 23 00-0122	SF	2 Coats Paint, Sprayed, Paint Interior Wood Walls	1.09	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.63*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.13*	

09 91 23 00-0123 Paint Interior Ceilings *(09 91 23)*

09 91 23 00-0124 Paint Interior Acoustical Ceilings *(09 91 23 00-0123)*

Note: Includes grid.

09 91 23 00-0125	SF	1 Coat Primer, Brush Work, Paint Interior Acoustical Ceiling	0.79	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0126	SF	1 Coat Paint, Brush Work, Paint Interior Acoustical Ceiling	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0127	SF	2 Coats Paint, Brush Work, Paint Interior Acoustical Ceiling	1.51	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0128	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.68	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0129	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0130	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Acoustical Ceiling	1.23	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0131	SF	1 Coat Primer, Sprayed, Paint Interior Acoustical Ceiling	0.62	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0132	SF	1 Coat Paint, Sprayed, Paint Interior Acoustical Ceiling	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.08*	
09 91 23 00-0133	SF	2 Coats Paint, Sprayed, Paint Interior Acoustical Ceiling	0.97	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.12*	

09 91 23 00-0134 Paint Interior Concrete Ceilings *(09 91 23 00-0123)*

09 91 23 00-0135	SF	1 Coat Filler, Brush Work, Paint Interior Concrete Ceiling	0.78	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0136	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Ceiling	0.85	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0137	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Ceiling	1.51	
		For Oil Based Paint, Add	*0.08*	
		For Epoxy Paint, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0138	SF	1 Coat Filler, Brush/Roller Work, Paint Interior Concrete Ceiling	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0139	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0140	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Ceiling	1.23	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0141	SF	1 Coat Filler, Sprayed, Paint Interior Concrete Ceiling	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.07*	
09 91 23 00-0142	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Ceiling	0.61	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.08*	
09 91 23 00-0143	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Ceiling	0.96	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.12*	
09 91 23 00-0144	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Ceiling	0.80	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0145	SF	1 Coat Bonding Agent, Brush/Roller, Paint Interior Concrete Ceiling	0.62	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0146	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Ceiling	0.61	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.08*	

09 91 23 00-0147 Paint Interior Drywall/Plaster Ceilings *(09 91 23 00-0123)*

09 91 23 00-0148	SF	1 Coat Primer, Brush Work, Pain Interior Drywall/Plaster Ceiling	0.79	
		For Epoxy Paint, Add	*0.08*	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0149	SF	1 Coat Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	0.85	
		For Epoxy Paint, Add	*0.07*	
		For Oil Based Paint, Add	*0.05*	
		For Orange Peel Finish, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0150	SF	2 Coats Paint, Brush Work, Paint Interior Drywall/Plaster Ceiling	1.51	
		For Epoxy Paint, Add	*0.13*	
		For Oil Based Paint, Add	*0.08*	
		For Orange Peel Finish, Add	*0.21*	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.73*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0151	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.68	
		For Epoxy Paint, Add	*0.07*	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 91 23 00-0152	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	0.66	
		For Epoxy Paint, Add	*0.06*	
		For Oil Based Paint, Add	*0.04*	
		For Orange Peel Finish, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0153	SF	2 Coats Paints, Brush/Roller Work, Paint Interior Drywall/Plaster Ceiling	1.23	
		For Epoxy Paint, Add	*0.12*	
		For Oil Based Paint, Add	*0.07*	
		For Orange Peel Finish, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.58*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.81*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.18*	
		For >20,000, Deduct	*-0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0154	SF	1 Coat Primer, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.62	
		For Epoxy Paint, Add	*0.07*	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.08*	
09 91 23 00-0155	SF	1 Coat Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.61	
		For Epoxy Paint, Add	*0.07*	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
		For Backroll, Add	*0.08*	
09 91 23 00-0156	SF	2 Coats Paint, Sprayed, Paint Interior Drywall/Plaster Ceiling	0.97	
		For Epoxy Paint, Add	*0.12*	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.12*	

09 91 23 00-0157 Paint Interior Metal Ceilings *(09 91 23 00-0123)*

09 91 23 00-0158 Galvanized Surfaces, Galvanized Primer *(09 91 23 00-0157)*

Note: Linseed oil or acrylic latex paint.

09 91 23 00-0159	SF	Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush Work	0.96	
		For Electrostatic Painting, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0160	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush Work	1.06	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0161	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush Work	1.91	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0162	SF	Paint Interior Galvanized Ceiling, 1 Coat Primer, Brush/Roller Work	0.73	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0163	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Brush/Roller Work	0.82	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0164	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Brush/Roller Work	1.52	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.48*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.66*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0165	SF	Paint Interior Galvanized Ceiling, 1 Coat Primer, Sprayed	0.72	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.09*	
09 91 23 00-0166	SF	Paint Interior Galvanized Ceiling, 1 Coat Paint, Sprayed	0.84	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	
09 91 23 00-0167	SF	Paint Interior Galvanized Ceiling, 2 Coats Paint, Sprayed	1.30	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
		For Backroll, Add	*0.15*	

09 91 23 00-0168 Aluminum And Aluminum Alloy Surface Pretreatment Primer *(09 91 23 00-0157)*

Note: Alkyd enamel paint.

09 91 23 00-0169	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush Work	0.96	
		For Electrostatic Painting, Add	*0.13*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.60*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0170	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush Work	1.06	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0171	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush Work	1.91	
		For Electrostatic Painting, Add	*0.25*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.19*	
		For >10,000 To 20,000, Deduct	*-0.29*	
		For >20,000, Deduct	*-0.38*	
09 91 23 00-0172	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Brush/Roller Work	0.80	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0173	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Brush/Roller Work	0.89	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0174	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Brush/Roller Work	1.68	
		For Electrostatic Painting, Add	*0.24*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.17*	
		For >10,000 To 20,000, Deduct	*-0.25*	
		For >20,000, Deduct	*-0.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0175	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Primer, Sprayed	0.72	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.40*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.14*	
		For Backroll, Add	*0.09*	
09 91 23 00-0176	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 1 Coat Paint, Sprayed	0.84	
		For Electrostatic Painting, Add	*0.12*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	
09 91 23 00-0177	SF	Paint Interior Aluminum And Aluminum Alloy Ceiling, 2 Coats Paint, Sprayed	1.30	
		For Electrostatic Painting, Add	*0.20*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.71*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
		For Backroll, Add	*0.15*	

09 91 23 00-0178 Paint Interior Ceiling Tile Grid *(09 91 23 00-0157)*

Note: Grid only.

09 91 23 00-0179	LF	Paint Interior Ceiling Tile Grid, 1 Coat Paint, Brush/Roller Work	0.21	
		For Electrostatic Painting, Add	*0.03*	
		For Work >15' To 20' Above Floor, Add	*0.03*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.14*	
		For >100 To 250, Add	*0.07*	
		For >250 To 500, Add	*0.03*	
		For >2,500 To 5,000, Deduct	*-0.01*	
		For >5,000 To 10,000, Deduct	*-0.02*	
		For >10,000 To 20,000, Deduct	*-0.03*	
		For >20,000, Deduct	*-0.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0180	LF	Paint Interior Ceiling Tile Grid, 2 Coats Paint, Brush/Roller Work	0.42	
		For Electrostatic Painting, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.04*	
		For >10,000 To 20,000, Deduct	*-0.06*	
		For >20,000, Deduct	*-0.08*	

09 91 23 00-0181 Paint Interior Corrugated Metal Ceilings *(09 91 23 00-0157)*

09 91 23 00-0182	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Primer, Sprayed	0.94	
		For Electrostatic Painting, Add	*0.14*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
		For Backroll, Add	*0.11*	
09 91 23 00-0183	SF	Paint Interior Corrugated Metal Ceiling, 1 Coat Paint, Sprayed	1.11	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.22*	
		For Backroll, Add	*0.14*	
09 91 23 00-0184	SF	Paint Interior Corrugated Metal Ceiling, 2 Coats Paint, Sprayed	1.75	
		For Electrostatic Painting, Add	*0.27*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.46*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.63*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.26*	
		For >20,000, Deduct	*-0.35*	
		For Backroll, Add	*0.20*	

09 91 23 00-0185 Paint Interior Wood Ceilings *(09 91 23 00-0123)*

09 91 23 00-0186 Paint Interior Smooth Wood Ceilings *(09 91 23 00-0185)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0187	SF	Paint Interior Wood Smooth Ceiling, 1 Coat Primer, Brush Work	0.95	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.43*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.19*	
09 91 23 00-0188	SF	Paint Interior Wood Smooth Ceiling, 1 Coat Paint, Brush Work	1.00	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.67*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 91 23 00-0189	SF	Paint Interior Wood Smooth Ceiling, 2 Coats Paint, Brush Work	1.81	
		For Oil Based Paint, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.61*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
		For >2,500 To 5,000, Deduct	*-0.09*	
		For >5,000 To 10,000, Deduct	*-0.18*	
		For >10,000 To 20,000, Deduct	*-0.27*	
		For >20,000, Deduct	*-0.36*	
09 91 23 00-0190	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Brush/Roller Work	0.75	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0191	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Brush/Roller Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0192	SF	Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Brush/Roller Work	1.55	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0193	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Primer, Sprayed	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.07*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.12*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	
09 91 23 00-0194	SF	Paint Interior Smooth Wood Ceiling, 1 Coat Paint, Sprayed	0.75	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.10*	
09 91 23 00-0195	SF	Paint Interior Smooth Wood Ceiling, 2 Coats Paint, Sprayed	1.13	
		For Oil Based Paint, Add	*0.07*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.21*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.17*	
		For >20,000, Deduct	*-0.23*	
		For Backroll, Add	*0.14*	

09 91 23 00-0196 Paint Interior Wood Beams *(09 91 23 00-0123)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0197	SF	Paint Interior Wood Beams, 1 Coat Primer, Brush Work	1.05	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.22*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0198	SF	Paint Interior Wood Beams, 1 Coat Paint, Brush Work	1.08	
		For Oil Based Paint, Add	*0.06*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.34*	
		For >250 To 500, Add	*0.15*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.16*	
		For >20,000, Deduct	*-0.22*	
09 91 23 00-0199	SF	Paint Interior Wood Beams, 2 Coats Paint, Brush Work	1.97	
		For Oil Based Paint, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
		For >2,500 To 5,000, Deduct	*-0.10*	
		For >5,000 To 10,000, Deduct	*-0.20*	
		For >10,000 To 20,000, Deduct	*-0.30*	
		For >20,000, Deduct	*-0.39*	
09 91 23 00-0200	SF	Paint Interior Wood Beams, 1 Coat Primer, Brush/Roller Work	0.83	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	
09 91 23 00-0201	SF	Paint Interior Wood Beams, 1 Coat Paint, Brush/Roller Work	0.82	
		For Oil Based Paint, Add	*0.05*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.36*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0202	SF	Paint Interior Wood Beams, 2 Coats Paint, Brush/Roller Work	1.55	
		For Oil Based Paint, Add	*0.09*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.49*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.31*	
09 91 23 00-0203	SF	Paint Interior Wood Beams, 1 Coat Primer, Sprayed	0.75	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.10*	
09 91 23 00-0204	SF	Paint Interior Wood Beams, 1 Coat Paint, Sprayed	0.75	
		For Oil Based Paint, Add	*0.04*	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.48*	
		For >100 To 250, Add	*0.23*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
		For Backroll, Add	*0.10*	
09 91 23 00-0205	SF	Paint Interior Wood Beams, 2 Coats Paint, Sprayed	1.24	
		For Oil Based Paint, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.53*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.12*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
		For Backroll, Add	*0.16*	

09 91 23 00-0206 Paint Interior Floors And Decks *(09 91 23)*

09 91 23 00-0207 Paint Interior Concrete Floors And Decks *(09 91 23 00-0206)*

09 91 23 00-0208	SF	1 Coat Primer, Brush Work, Paint Interior Concrete Floors And Decks	0.60	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0209	SF	1 Coat Paint, Brush Work, Paint Interior Concrete Floors And Decks	0.66	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0210	SF	2 Coats Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.29	
		For Oil Based Paint, Add	*0.07*	
		For Epoxy Paint, Add	*0.12*	
		For Up To 100, Add	*0.86*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0211	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.59	
		For Oil Based Paint, Add	*0.04*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0212	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.57	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.11*	
09 91 23 00-0213	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.92	
		For Oil Based Paint, Add	*0.06*	
		For Epoxy Paint, Add	*0.10*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
09 91 23 00-0214	SF	1 Coat Primer, Sprayed, Paint Interior Concrete Floors And Decks	0.47	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.07*	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
		For Backroll, Add	*0.06*	
09 91 23 00-0215	SF	1 Coat Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.48	
		For Oil Based Paint, Add	*0.03*	
		For Epoxy Paint, Add	*0.06*	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
		For Backroll, Add	*0.06*	
09 91 23 00-0216	SF	2 Coats Paint, Sprayed, Paint Interior Concrete Floors And Decks	0.84	
		For Oil Based Paint, Add	*0.05*	
		For Epoxy Paint, Add	*0.11*	
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.17*	
		For Backroll, Add	*0.10*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0217	SF	1 Coat Bonding Agent, Brush Work, Paint Interior Concrete Floors And Decks	0.62	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0218	SF	1 Coat Bonding Agent, Brush/Roller Work, Paint Interior Concrete Floors And Decks	0.61	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	
09 91 23 00-0219	SF	1 Coat Bonding Agent, Sprayed, Paint Interior Concrete Floors And Decks	0.49	
		For Up To 100, Add	*0.27*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.10*	
		For Backroll, Add	*0.06*	
09 91 23 00-0220	SF	1 Coat Non Slip Paint, Brush Work, Paint Interior Concrete Floors And Decks	1.59	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0221	SF	1 Coat Non Slip Epoxy Coating, Brush Work, Paint Interior Concrete Floors And Decks (Rust-Oleum® AS91864251)	4.36	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.22*	
		For >5,000 To 10,000, Deduct	*-0.44*	
		For >10,000 To 20,000, Deduct	*-0.65*	
		For >20,000, Deduct	*-0.87*	

09 91 23 00-0222 Paint Interior Wood Floors And Decks *(09 91 23 00-0206)*

09 91 23 00-0223	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush Work	0.73	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.45*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0224	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush Work	0.80	
		For Oil Based Paint, Add	*0.05*	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0225	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush Work	1.51	
		For Oil Based Paint, Add	*0.09*	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.15*	
		For >10,000 To 20,000, Deduct	*-0.23*	
		For >20,000, Deduct	*-0.30*	
09 91 23 00-0226	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Brush/Roller Work	0.58	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.33*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0227	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Brush/Roller Work	0.64	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.38*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.13*	
09 91 23 00-0228	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Brush/Roller Work	1.26	
		For Oil Based Paint, Add	*0.08*	
		For Up To 100, Add	*0.75*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
		For >2,500 To 5,000, Deduct	*-0.06*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.25*	
09 91 23 00-0229	SF	Paint Interior Wood Floors And Decks, 1 Coat Primer, Sprayed	0.50	
		For Oil Based Paint, Add	*0.03*	
		For Up To 100, Add	*0.29*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.08*	
		For >20,000, Deduct	*-0.10*	
		For Backroll, Add	*0.06*	
09 91 23 00-0230	SF	Paint Interior Wood Floors And Decks, 1 Coat Paint, Sprayed	0.63	
		For Oil Based Paint, Add	*0.04*	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	
		For Backroll, Add	*0.08*	
09 91 23 00-0231	SF	Paint Interior Wood Floors And Decks, 2 Coats Paint, Sprayed	0.90	
		For Oil Based Paint, Add	*0.06*	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.11*	
09 91 23 00-0232	SF	Paint Interior Wood Floors And Decks, 1 Coat Non Slip Paint, Brush Work	1.59	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.30*	
		For >250 To 500, Add	*0.14*	
		For >2,500 To 5,000, Deduct	*-0.08*	
		For >5,000 To 10,000, Deduct	*-0.16*	
		For >10,000 To 20,000, Deduct	*-0.24*	
		For >20,000, Deduct	*-0.32*	
09 91 23 00-0233	SF	Paint Interior Wood Floors And Decks, 1 Coat Non Slip Epoxy Coating, Brush Work	4.36	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.28*	
		For >2,500 To 5,000, Deduct	*-0.22*	
		For >5,000 To 10,000, Deduct	*-0.44*	
		For >10,000 To 20,000, Deduct	*-0.65*	
		For >20,000, Deduct	*-0.87*	

09 91 23 00-0234 Paint Interior Doors And Windows *(09 91 23)*

09 91 23 00-0235 Paint Interior Door Frames *(09 91 23 00-0234)*

09 91 23 00-0236	LF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	0.91	
		For Oil Based Paint, Add	*0.05*	
		For Painting One Face Of Frame Only, Deduct	*-0.24*	
09 91 23 00-0237	LF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trim	1.18	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.31*	
09 91 23 00-0238	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Door Frame And Trime	1.98	
		For Oil Based Paint, Add	*0.11*	
		For Painting One Face Of Frame Only, Deduct	*-0.52*	
09 91 23 00-0239	LF	Paint Interior Metal Door Frame And Trim, 1 Coat Primer, Brush/Roller Work	0.92	
		For Oil Based Paint, Add	*0.05*	
		For Painting One Face Of Frame Only, Deduct	*-0.24*	
09 91 23 00-0240	LF	Paint Interior Metal Door Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.19	
		For Oil Based Paint, Add	*0.06*	
		For Painting One Face Of Frame Only, Deduct	*-0.31*	
09 91 23 00-0241	LF	2 Coats Paint, Brush/Roller Work, Paint Interior Metal Door Frame And Trim	1.99	
		For Oil Based Paint, Add	*0.11*	
		For Painting One Face Of Frame Only, Deduct	*-0.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0242		Paint Interior Metal Doors *(09 91 23 00-0234)*		
09 91 23 00-0243	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Brush/Roller Work	41.01	
		For Electrostatic Painting, Add	*6.12*	
		For Half Louvered Door, Add	*4.14*	
		For Full Louvered Door, Add	*6.89*	
		For Oil Based Paint, Add	*2.72*	
		For >5 To 10, Deduct	*-2.05*	
		For >10 To 25, Deduct	*-4.10*	
		For >25, Deduct	*-6.15*	
09 91 23 00-0244	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Brush/Roller Work	41.01	
		For Electrostatic Painting, Add	*6.12*	
		For Half Louvered Door, Add	*4.14*	
		For Full Louvered Door, Add	*6.89*	
		For Oil Based Paint, Add	*2.72*	
		For >5 To 10, Deduct	*-2.05*	
		For >10 To 25, Deduct	*-4.10*	
		For >25, Deduct	*-6.15*	
09 91 23 00-0245	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Brush/Roller Work	73.28	
		For Electrostatic Painting, Add	*11.33*	
		For Half Louvered Door, Add	*6.99*	
		For Full Louvered Door, Add	*11.64*	
		For Oil Based Paint, Add	*5.00*	
		For >5 To 10, Deduct	*-3.66*	
		For >10 To 25, Deduct	*-7.33*	
		For >25, Deduct	*-10.99*	
09 91 23 00-0246	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Brush/Roller Work	73.57	
		For Electrostatic Painting, Add	*10.98*	
		For Half Louvered Door, Add	*7.41*	
		For Full Louvered Door, Add	*12.36*	
		For Oil Based Paint, Add	*4.89*	
		For >5 To 10, Deduct	*-3.68*	
		For >10 To 25, Deduct	*-7.36*	
		For >25, Deduct	*-11.04*	
09 91 23 00-0247	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Brush/Roller Work	73.58	
		For Electrostatic Painting, Add	*10.98*	
		For Half Louvered Door, Add	*7.41*	
		For Full Louvered Door, Add	*12.36*	
		For Oil Based Paint, Add	*4.89*	
		For >5 To 10, Deduct	*-3.68*	
		For >10 To 25, Deduct	*-7.36*	
		For >25, Deduct	*-11.04*	
09 91 23 00-0248	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Brush/Roller Work	131.94	
		For Electrostatic Painting, Add	*20.44*	
		For Half Louvered Door, Add	*12.54*	
		For Full Louvered Door, Add	*20.91*	
		For Oil Based Paint, Add	*9.01*	
		For >5 To 10, Deduct	*-6.60*	
		For >10 To 25, Deduct	*-13.19*	
		For >25, Deduct	*-19.79*	
09 91 23 00-0249	EA	Paint Interior Metal Door, One Face, 1 Coat Primer, Sprayed	35.98	
		For Electrostatic Painting, Add	*5.82*	
		For Half Louvered Door, Add	*3.18*	
		For Full Louvered Door, Add	*5.30*	
		For Oil Based Paint, Add	*2.54*	
		For >5 To 10, Deduct	*-1.80*	
		For >10 To 25, Deduct	*-3.60*	
		For >25, Deduct	*-5.40*	
		For Backroll, Add	*3.92*	
09 91 23 00-0250	EA	Paint Interior Metal Door, One Face, 1 Coat Paint, Sprayed	35.98	
		For Electrostatic Painting, Add	*5.82*	
		For Half Louvered Door, Add	*3.18*	
		For Full Louvered Door, Add	*5.30*	
		For Oil Based Paint, Add	*2.54*	
		For >5 To 10, Deduct	*-1.80*	
		For >10 To 25, Deduct	*-3.60*	
		For >25, Deduct	*-5.40*	
		For Backroll, Add	*3.92*	
09 91 23 00-0251	EA	Paint Interior Metal Door, One Face, 2 Coats Paint, Sprayed	65.17	
		For Electrostatic Painting, Add	*10.92*	
		For Half Louvered Door, Add	*5.37*	
		For Full Louvered Door, Add	*8.95*	
		For Oil Based Paint, Add	*4.73*	
		For >5 To 10, Deduct	*-3.26*	
		For >10 To 25, Deduct	*-6.52*	
		For >25, Deduct	*-9.78*	
		For Backroll, Add	*6.84*	
09 91 23 00-0252	EA	Paint Interior Metal Door, Both Faces, 1 Coat Primer, Sprayed	64.58	
		For Electrostatic Painting, Add	*10.44*	
		For Half Louvered Door, Add	*5.70*	
		For Full Louvered Door, Add	*9.50*	
		For Oil Based Paint, Add	*4.56*	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.46*	
		For >25, Deduct	*-9.69*	
		For Backroll, Add	*7.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0253	EA	Paint Interior Metal Door, Both Faces, 1 Coat Paint, Sprayed	64.58	
		For Electrostatic Painting, Add	*10.44*	
		For Half Louvered Door, Add	*5.70*	
		For Full Louvered Door, Add	*9.50*	
		For Oil Based Paint, Add	*4.56*	
		For >5 To 10, Deduct	*-3.23*	
		For >10 To 25, Deduct	*-6.46*	
		For >25, Deduct	*-9.69*	
		For Backroll, Add	*7.03*	
09 91 23 00-0254	EA	Paint Interior Metal Door, Both Faces, 2 Coats Paint, Sprayed	117.45	
		For Electrostatic Painting, Add	*19.72*	
		For Half Louvered Door, Add	*9.65*	
		For Full Louvered Door, Add	*16.08*	
		For Oil Based Paint, Add	*8.53*	
		For >5 To 10, Deduct	*-5.87*	
		For >10 To 25, Deduct	*-11.75*	
		For >25, Deduct	*-17.62*	
		For Backroll, Add	*12.30*	

09 91 23 00-0255 Paint Interior Wood Doors *(09 91 23 00-0234)*

09 91 23 00-0256	EA	Paint Interior Wood Door, One Face, 1 Coat Primer, Brush/Roller Work	38.49	
		For Oil Based Paint, Add	*2.47*	
		For Half Louvered Door, Add	*4.14*	
		For Full Louvered Door, Add	*6.89*	
		For >5 To 10, Deduct	*-1.92*	
		For >10 To 25, Deduct	*-3.85*	
		For >25, Deduct	*-5.77*	
09 91 23 00-0257	EA	Paint Interior Wood Door, One Face, 1 Coat Paint, Brush/Roller Work	38.49	
		For Oil Based Paint, Add	*2.47*	
		For Half Louvered Door, Add	*4.14*	
		For Full Louvered Door, Add	*6.89*	
		For >5 To 10, Deduct	*-1.92*	
		For >10 To 25, Deduct	*-3.85*	
		For >25, Deduct	*-5.77*	
09 91 23 00-0258	EA	Paint Interior Wood Door, One Face, 2 Coats Paint, Brush/Roller Work	68.27	
		For Oil Based Paint, Add	*4.50*	
		For Half Louvered Door, Add	*6.99*	
		For Full Louvered Door, Add	*11.64*	
		For >5 To 10, Deduct	*-3.41*	
		For >10 To 25, Deduct	*-6.83*	
		For >25, Deduct	*-10.24*	
09 91 23 00-0259	EA	Paint Interior Wood Door, Both Faces, 1 Coat Primer, Brush/Roller Work	69.05	
		For Oil Based Paint, Add	*4.43*	
		For Half Louvered Door, Add	*7.41*	
		For Full Louvered Door, Add	*12.36*	
		For >5 To 10, Deduct	*-3.45*	
		For >10 To 25, Deduct	*-6.91*	
		For >25, Deduct	*-10.36*	
09 91 23 00-0260	EA	Paint Interior Wood Door, Both Faces, 1 Coat Paint, Brush/Roller Work	69.05	
		For Oil Based Paint, Add	*4.43*	
		For Half Louvered Door, Add	*7.41*	
		For Full Louvered Door, Add	*12.36*	
		For >5 To 10, Deduct	*-3.45*	
		For >10 To 25, Deduct	*-6.91*	
		For >25, Deduct	*-10.36*	
09 91 23 00-0261	EA	Paint Interior Wood Door, Both Faces, 2 Coats Paint, Brush/Roller Work	122.87	
		For Oil Based Paint, Add	*8.11*	
		For Half Louvered Door, Add	*12.54*	
		For Full Louvered Door, Add	*20.91*	
		For >5 To 10, Deduct	*-6.14*	
		For >10 To 25, Deduct	*-12.29*	
		For >25, Deduct	*-18.43*	
09 91 23 00-0262	EA	Paint Interior Wood Door, One Face, 1 Coat Primer, Sprayed	33.21	
		For Oil Based Paint, Add	*2.26*	
		For Half Louvered Door, Add	*3.18*	
		For Full Louvered Door, Add	*5.30*	
		For >5 To 10, Deduct	*-1.66*	
		For >10 To 25, Deduct	*-3.32*	
		For >25, Deduct	*-4.98*	
		For Backroll, Add	*3.78*	
09 91 23 00-0263	EA	Paint Interior Wood Door, One Face, 1 Coat Paint, Sprayed	33.21	
		For Oil Based Paint, Add	*2.26*	
		For Half Louvered Door, Add	*3.18*	
		For Full Louvered Door, Add	*5.30*	
		For >5 To 10, Deduct	*-1.66*	
		For >10 To 25, Deduct	*-3.32*	
		For >25, Deduct	*-4.98*	
		For Backroll, Add	*3.78*	
09 91 23 00-0264	EA	Paint Interior Wood Door, One Face, 2 Coats Paint, Sprayed	59.69	
		For Oil Based Paint, Add	*4.18*	
		For Half Louvered Door, Add	*5.37*	
		For Full Louvered Door, Add	*8.96*	
		For >5 To 10, Deduct	*-2.98*	
		For >10 To 25, Deduct	*-5.97*	
		For >25, Deduct	*-8.95*	
		For Backroll, Add	*6.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0265	EA	Paint Interior Wood Door, Both Faces, 1 Coat Primer, Sprayed	59.59	
		For Oil Based Paint, Add	*4.06*	
		For Half Louvered Door, Add	*5.70*	
		For Full Louvered Door, Add	*9.50*	
		For >5 To 10, Deduct	*-2.98*	
		For >10 To 25, Deduct	*-5.96*	
		For >25, Deduct	*-8.94*	
		For Backroll, Add	*6.78*	
09 91 23 00-0266	EA	Paint Interior Wood Door, Both Faces, 1 Coat Paint, Sprayed	59.59	
		For Oil Based Paint, Add	*4.06*	
		For Half Louvered Door, Add	*5.70*	
		For Full Louvered Door, Add	*9.50*	
		For >5 To 10, Deduct	*-2.98*	
		For >10 To 25, Deduct	*-5.96*	
		For >25, Deduct	*-8.94*	
		For Backroll, Add	*6.78*	
09 91 23 00-0267	EA	Paint Interior Wood Door, Both Faces, 2 Coats Paint, Sprayed	107.47	
		For Oil Based Paint, Add	*7.53*	
		For Half Louvered Door, Add	*9.65*	
		For Full Louvered Door, Add	*16.08*	
		For >5 To 10, Deduct	*-5.37*	
		For >10 To 25, Deduct	*-10.75*	
		For >25, Deduct	*-16.12*	
		For Backroll, Add	*11.80*	

09 91 23 00-0268 Paint Interior Metal Windows *(09 91 23 00-0234)*

Note: Two finish coats paint over rust inhibitive primer.

09 91 23 00-0269	EA	Up To 8 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	70.73	
		For Oil Based Paint, Add	*3.98*	
		For Electrostatic Painting, Add	*8.41*	
		For >5 To 10, Deduct	*-3.54*	
		For >10 To 25, Deduct	*-7.07*	
		For >25, Deduct	*-10.61*	
09 91 23 00-0270	EA	>8 To 14 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	85.09	
		For Oil Based Paint, Add	*4.94*	
		For Electrostatic Painting, Add	*10.58*	
		For >5 To 10, Deduct	*-4.25*	
		For >10 To 25, Deduct	*-8.51*	
		For >25, Deduct	*-12.76*	
09 91 23 00-0271	EA	>14 To 20 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	114.66	
		For Oil Based Paint, Add	*6.71*	
		For Electrostatic Painting, Add	*14.40*	
		For >5 To 10, Deduct	*-5.73*	
		For >10 To 25, Deduct	*-11.47*	
		For >25, Deduct	*-17.20*	
09 91 23 00-0272	EA	>20 To 26 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	129.11	
		For Oil Based Paint, Add	*7.56*	
		For Electrostatic Painting, Add	*16.23*	
		For >5 To 10, Deduct	*-6.46*	
		For >10 To 25, Deduct	*-12.91*	
		For >25, Deduct	*-19.37*	
09 91 23 00-0273	EA	>26 To 34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	143.19	
		For Oil Based Paint, Add	*8.38*	
		For Electrostatic Painting, Add	*17.97*	
		For >5 To 10, Deduct	*-7.16*	
		For >10 To 25, Deduct	*-14.32*	
		For >25, Deduct	*-21.48*	
09 91 23 00-0274	SF	>34 SF Window Size, Paint Interior Metal Window Including Trim, Brush/Roller Work	4.55	
		For Oil Based Paint, Add	*0.27*	
		For Electrostatic Painting, Add	*0.57*	

09 91 23 00-0275 Wood Windows *(09 91 23 00-0234)*

Note: Two finish coats paint over primer.

09 91 23 00-0276	EA	Up To 8 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	69.05	
		For Oil Based Paint, Add	*3.82*	
		For >5 To 10, Deduct	*-3.45*	
		For >10 To 25, Deduct	*-6.91*	
		For >25, Deduct	*-10.36*	
09 91 23 00-0277	EA	>8 To 14 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	82.50	
		For Oil Based Paint, Add	*4.69*	
		For >5 To 10, Deduct	*-4.13*	
		For >10 To 25, Deduct	*-8.25*	
		For >25, Deduct	*-12.38*	
09 91 23 00-0278	EA	>14 To 20 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	117.03	
		For Oil Based Paint, Add	*6.65*	
		For >5 To 10, Deduct	*-5.85*	
		For >10 To 25, Deduct	*-11.70*	
		For >25, Deduct	*-17.55*	
09 91 23 00-0279	EA	>20 To 26 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	131.77	
		For Oil Based Paint, Add	*7.49*	
		For >5 To 10, Deduct	*-6.59*	
		For >10 To 25, Deduct	*-13.18*	
		For >25, Deduct	*-19.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0280	EA	>26 To 34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	138.62	
		For Oil Based Paint, Add	*7.92*	
		For >5 To 10, Deduct	*-6.93*	
		For >10 To 25, Deduct	*-13.86*	
		For >25, Deduct	*-20.79*	
09 91 23 00-0281	SF	>34 SF Window Size, Paint Interior Wood Windows Including Trim, Brush/Roller Work	4.63	
		For Oil Based Paint, Add	*0.26*	

09 91 23 00-0282 Paint Interior Security Screens *(09 91 23 00-0234)*

09 91 23 00-0283	SF	Paint Interior Security Screen, 1 Coat Primer, Brush/Roller Work	1.11	
		For Oil Based Paint, Add	*0.07*	
		For Electrostatic Painting, Add	*0.14*	
09 91 23 00-0284	SF	Paint Interior Security Screen, 1 Coat Paint, Brush/Roller Work	1.14	
		For Oil Based Paint, Add	*0.06*	
		For Electrostatic Painting, Add	*0.14*	
09 91 23 00-0285	SF	Paint Interior Security Screen, 2 Coats Paint, Brush/Roller Work	1.90	
		For Oil Based Paint, Add	*0.11*	
		For Electrostatic Painting, Add	*0.23*	

09 91 23 00-0286 Paint Interior Window Guards *(09 91 23 00-0234)*

09 91 23 00-0287	SF	Paint Interior Metal Window Guards, 1 Coat Primer, Brush/Roller Work	1.11	
		For Oil Based Paint, Add	*0.07*	
09 91 23 00-0288	SF	Paint Interior Metal Window Guards, 1 Coat Paint, Brush/Roller Work	1.14	
		For Oil Based Paint, Add	*0.06*	
09 91 23 00-0289	SF	Paint Interior Metal Window Guards, 2 Coats Paint, Brush/Roller Work	1.90	
		For Oil Based Paint, Add	*0.11*	

09 91 23 00-0290 Paint Interior Window Trim *(09 91 23 00-0234)*

09 91 23 00-0291	LF	Paint Interior Wood Window Frame And Trim, 1 Coat Primer, Brush/Roller Work	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.31*	
09 91 23 00-0292	LF	Paint Interior Wood Window Frame And Trim, 1 Coat Paint, Brush/Roller Work	1.10	
		For Oil Based Paint, Add	*0.07*	
		For Painting One Face Of Frame Only, Deduct	*-0.31*	
09 91 23 00-0293	LF	Paint Interior Wood Window Frame And Trim, 2 Coats Paint, Brush/Roller Work	2.39	
		For Oil Based Paint, Add	*0.14*	
		For Painting One Face Of Frame Only, Deduct	*-0.66*	
09 91 23 00-0294	LF	Paint Interior Metal Window Frame And Trim, 1 Coat Primer, Brush/Roller Work Note: Brush/roller work.	1.19	
		For Painting One Face Of Frame Only, Deduct	*-0.34*	
09 91 23 00-0295	LF	Paint Interior Metal Window Frame And Trim, 1 Coat Paint, Brush/Roller Work Note: Brush/roller work.	1.19	
		For Painting One Face Of Frame Only, Deduct	*-0.34*	
09 91 23 00-0296	LF	Paint Interior Metal Window Frame And Trim, 2 Coats Paint, Brush/Roller Work Note: Brush/roller work.	2.56	
		For Painting One Face Of Frame Only, Deduct	*-0.73*	

09 91 23 00-0297 Paint Interior Cabinets And Casework *(09 91 23)*

09 91 23 00-0298 Paint Interior Wood Cabinets And Casework *(09 91 23 00-0297)*

09 91 23 00-0299	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Paint, Brush/Roller Work	1.01	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0300	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 1 Coat Alkyd Or Latex Paint, Brush/Roller Work	1.38	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.21*	
09 91 23 00-0301	SF	Paint Interior Wood Cabinets And Casework, 1 Coat Enamel Primer, 2 Coats Alkyd Or Latex Paint, Brush/Roller Work	2.21	
		For >5,000 To 10,000, Deduct	*-0.11*	
		For >10,000 To 20,000, Deduct	*-0.22*	
		For >20,000, Deduct	*-0.33*	

09 91 23 00-0302 Paint Exposed Metal Lockers *(09 91 23 00-0297)*

09 91 23 00-0303	SF	Paint Exposed Metal Locker, 1 Coat Primer, Brush/Roller Work	1.03	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0304	SF	Paint Exposed Metal Locker, 1 Coat Alkyd Enamel, Brush/Roller Work	1.05	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.11*	
		For >20,000, Deduct	*-0.16*	
09 91 23 00-0305	SF	Paint Exposed Metal Locker, 2 Coats Alkyd Enamel, Brush/Roller Work	1.93	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.19*	
		For >20,000, Deduct	*-0.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 23 00-0306 Paint Interior Stairs *(09 91 23)*

09 91 23 00-0307 Paint Interior Concrete Stairs *(09 91 23 00-0306)*

Note: Includes the riser and tread.

09 91 23 00-0308	RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	14.35	
09 91 23 00-0309	RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	14.35	
09 91 23 00-0310	RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	11.25	
		Note: Excludes riser.		
09 91 23 00-0311	RSR	Paint Interior Concrete Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	22.36	
		Note: Excludes riser.		
09 91 23 00-0312	RSR	Paint Interior Concrete Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	28.71	

09 91 23 00-0313 Paint Interior Metal Stairs *(09 91 23 00-0306)*

Note: Includes the riser and tread.

09 91 23 00-0314	RSR	Paint Interior Metal Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	7.77	
09 91 23 00-0315	RSR	Paint Interior Metal Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	7.47	
09 91 23 00-0316	RSR	Paint Interior Metal Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	14.93	

09 91 23 00-0317 Paint Interior Wood Stairs *(09 91 23 00-0306)*

Note: Includes the riser and tread.

09 91 23 00-0318	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Primer, Brush/Roller Work	7.37	
09 91 23 00-0319	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Alkyd Enamel, Brush/Roller Work	7.37	
09 91 23 00-0320	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Paint, Brush/Roller Work	7.75	
		Note: Excludes riser.		
09 91 23 00-0321	RSR	Paint Interior Wood Stair (To 4' Wide), 1 Coat Non Slip Epoxy Coating, Brush/Roller Work	18.86	
		Note: Excludes riser.		
09 91 23 00-0322	RSR	Paint Interior Wood Stair (To 4' Wide), 2 Coats Alkyd Enamel, Brush/Roller Work	14.74	

09 91 23 00-0323 Paint Interior Stair Nosing *(09 91 23 00-0306)*

09 91 23 00-0324	LF	Paint Interior Yellow Stair Safety Strip, Up To 2", Non Slip, Brush Work	1.24	

09 91 23 00-0325 Paint Interior Trim *(09 91 23)*

09 91 23 00-0326 Paint Interior Metal Trim *(09 91 23 00-0325)*

09 91 23 00-0327	SF	Paint Interior Exposed Metal Trim, 1 Coat Primer, Brush Work	1.04	
		For Work >15' To 20' Above Floor, Add		*0.14*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.23*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.36*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.50*
		Note: Applied only to work area above 40'.		
09 91 23 00-0328	SF	Paint Interior Exposed Metal Trim, 1 Coat Paint, Brush Work	1.04	
		For Work >15' To 20' Above Floor, Add		*0.14*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.23*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.36*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.50*
		Note: Applied only to work area above 40'.		
09 91 23 00-0329	SF	Paint Interior Exposed Metal Trim, 2 Coats Paint, Brush Work	1.87	
		For Work >15' To 20' Above Floor, Add		*0.24*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.40*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.64*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.89*
		Note: Applied only to work area above 40'.		
09 91 23 00-0330	SF	Paint Interior Metal Trim, 1 Coat Primer, Brush/Roller Work	7.41	
		For Work >15' To 20' Above Floor, Add		*1.09*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*1.82*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*2.91*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*4.00*
		Note: Applied only to work area above 40'.		
09 91 23 00-0331	SF	Paint Interior Metal Trim, 1 Coat Paint, Brush/Roller Work	0.86	
		For Work >15' To 20' Above Floor, Add		*0.11*
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add		*0.18*
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add		*0.29*
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add		*0.40*
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0332	SF	Paint Interior Metal Trim, 2 Coats Paint, Brush/Roller Work	1.55	
		For Work >15' To 20' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.32*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.52*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.71*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0333 Paint Interior Wood Trim *(09 91 23 00-0325)*

09 91 23 00-0334	LF	1 Coat Primer, Brush Work, Paint Interior Wood Trim To 6" Wide	0.62	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.31*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.03*	
09 91 23 00-0335	LF	1 Coat Paint, Brush Work, Paint Interior Wood Trim To 6" Wide	0.68	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.04*	
09 91 23 00-0336	LF	2 Coats Paint, Paint Interior Wood Trim to 6" Wide	1.43	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.08*	
09 91 23 00-0337	SF	1 Coat Primer, Brush Work, Paint Interior Wood Trim	1.90	
		For Work >15' To 20' Above Floor, Add	*0.25*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.42*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.68*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.93*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.11*	
09 91 23 00-0338	SF	1 Coat Paint, Brush Work, Paint Interior Wood Trim	2.11	
		For Work >15' To 20' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.75*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.03*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.12*	
09 91 23 00-0339	SF	2 Coats Paint, Brush Work, Paint Interior Wood Trim	3.82	
		For Work >15' To 20' Above Floor, Add	*0.50*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.84*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.34*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.85*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.21*	
09 91 23 00-0340	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Wood Trim	1.56	
		For Work >15' To 20' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.34*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.54*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.74*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0341	SF	1 Coat Paint, Brush/Roller Work, Paint Interior Wood Trim	1.74	
		For Work >15' To 20' Above Floor, Add	*0.23*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.38*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.60*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.83*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.10*	
09 91 23 00-0342	SF	2 Coats Paint, Brush/Roller Work, Paint Interior Wood Trim	3.13	
		For Work >15' To 20' Above Floor, Add	*0.40*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.67*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*1.07*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*1.47*	
		Note: Applied only to work area above 40'.		
		For Oil Based Paint, Add	*0.18*	

09 91 23 00-0343 Paint Additives *(09 91 23)*

09 91 23 00-0344	SF	Mildewcide/Mold Killing Paint Additive Per Each Coat	0.02	
09 91 23 00-0345	SF	Class "B" Fire Rating, Fire Resistant Paint Additive	0.05	
		For Class "A" Fire Rating, Add	*0.05*	

09 91 23 00-0346 Hand Painting Letters/Numbers *(09 91 23)*

Note: Painting on walls, floors, poles, signs, etc.

09 91 23 00-0347	EA	Up To 1" High, Hand Paint, Per Letter/Number	1.92	
09 91 23 00-0348	EA	1" To 2" High, Hand Paint, Per Letter/Number	2.24	
09 91 23 00-0349	EA	2" To 3" High, Hand Paint, Per Letter/Number	3.40	
09 91 23 00-0350	EA	3" To 4" High, Hand Paint, Per Letter/Number	4.16	
09 91 23 00-0351	EA	4" To 6" High, Hand Paint, Per Letter/Number	5.74	
09 91 23 00-0352	EA	6" To 12" High, Hand Paint, Per Letter/Number	7.28	
09 91 23 00-0353	EA	Over 12" High, Hand Paint, Per Letter/Number	8.53	

09 91 23 00-0354 Glove/Mitt Application *(09 91 23)*

09 91 23 00-0355 Conduit/Pipe *(09 91 23 00-0354)*

09 91 23 00-0356	CSF	Acid Wash (Muriatic Acid) Conduit Or Pipe With Glove/Mitt	36.40	
		For Work >15' To 20' Above Floor, Add	*5.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*18.83*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0357	CSF	Metal Primer Conduit Or Pipe With Glove/Mitt	58.62	
		For Work >15' To 20' Above Floor, Add	*6.16*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*10.27*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*16.42*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*22.58*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0358	CSF	Enamel, Oil Base Paint, First Coat Conduit Or Pipe With Glove/Mitt	45.93	
		For Work >15' To 20' Above Floor, Add	*4.52*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*7.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*12.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*16.56*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0359	CSF	Enamel, Oil Base Paint, Second Coat Conduit Or Pipe With Glove/Mitt	37.40	
		For Work >15' To 20' Above Floor, Add	*3.39*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*5.65*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*9.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*12.42*	
		Note: Applied only to work area above 40'.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0360	CSF	Epoxy Coating, First Coat Conduit Or Pipe With Glove/Mitt	69.95	
		For Work >15' To 20' Above Floor, Add	*5.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*18.83*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0361	CSF	Epoxy Coating, Second Coat Conduit Or Pipe With Glove/Mitt	64.35	
		For Work >15' To 20' Above Floor, Add	*4.52*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*7.53*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*12.04*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*16.56*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0362 Ductwork *(09 91 23 00-0354)*

09 91 23 00-0363	CSF	Acid Wash (Muriatic Acid) Ductwork With Glove/Mitt	36.40	
		For Work >15' To 20' Above Floor, Add	*5.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*18.83*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0364	CSF	Metal Primer Ductwork With Glove/Mitt	51.68	
		For Work >15' To 20' Above Floor, Add	*5.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*18.83*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0365	CSF	Enamel, Oil Base Paint Ductwork With Glove/Mitt	41.74	
		For Work >15' To 20' Above Floor, Add	*4.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*6.85*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*10.95*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*15.06*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0366	CSF	Epoxy Coating, First Coat Ductwork With Glove/Mitt	67.38	
		For Work >15' To 20' Above Floor, Add	*5.13*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*8.56*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*13.69*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*18.83*	
		Note: Applied only to work area above 40'.		
09 91 23 00-0367	CSF	Epoxy Coating, Second Coat Ductwork With Glove/Mitt	58.46	
		For Work >15' To 20' Above Floor, Add	*4.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*6.85*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*10.95*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*15.06*	
		Note: Applied only to work area above 40'.		

09 91 23 00-0368 Paint Interior Miscellaneous Metal Surfaces *(09 91 23)*

09 91 23 00-0369	SF	1 Coat Primer, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.63	
		For Electrostatic Painting, Add	*0.08*	
		For Work >15' To 20' Above Floor, Add	*0.08*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.13*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.19*	
		For >250 To 500, Add	*0.08*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.06*	
		For >10,000 To 20,000, Deduct	*-0.09*	
		For >20,000, Deduct	*-0.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 23 00-0370	SF	1 Coat Alkyd Enamel, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	0.77	
		For Electrostatic Painting, Add	*0.10*	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.16*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.26*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.35*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.15*	
09 91 23 00-0371	SF	2 Coats Alkyd Enamel, Brush/Roller Work, Paint Interior Miscellaneous Metal Surfaces	1.32	
		For Electrostatic Painting, Add	*0.16*	
		For Work >15' To 20' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.28*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.45*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.62*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.18*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.13*	
		For >10,000 To 20,000, Deduct	*-0.20*	
		For >20,000, Deduct	*-0.26*	
09 91 23 00-0372	SF	1 Coat Primer, Sprayed, Paint Interior Miscellaneous Metal Surfaces	0.90	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.12*	
09 91 23 00-0373	SF	1 Coat Alkyd, Sprayed, Paint Interior Miscellaneous Metal Surfaces	0.90	
		For Electrostatic Painting, Add	*0.11*	
		For Work >15' To 20' Above Floor, Add	*0.11*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.19*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.30*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.41*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	
		For Backroll, Add	*0.12*	
09 91 23 00-0374	SF	2 Coats Alkyd, Sprayed, Paint Interior Miscellaneous Metal Surfaces	1.39	
		For Electrostatic Painting, Add	*0.17*	
		For Work >15' To 20' Above Floor, Add	*0.18*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.29*	
		Note: Applied only to work area above 20' to 30'.		
		For Work >30' To 40' Above Floor, Add	*0.47*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.64*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
		For >2,500 To 5,000, Deduct	*-0.07*	
		For >5,000 To 10,000, Deduct	*-0.14*	
		For >10,000 To 20,000, Deduct	*-0.21*	
		For >20,000, Deduct	*-0.28*	
		For Backroll, Add	*0.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 91 33 Painting Materials *(09 91)*

Note: Paint per gallon for owners to obtain extra paint. Not to be used in conjunction with other painting tasks.

09 91 33 00-0001 Primer *(09 91 33)*

09 91 33 00-0002	GAL	Alkyd Primer/Sealer, Interior, 500 SF Per Gallon	33.25	
09 91 33 00-0003	GAL	Alkyd Wood Primer, Exterior, 400 SF Per Gallon	26.48	
09 91 33 00-0004	GAL	Prime Coat Oil Wood Primer, 310 SF Per Gallon	33.58	
09 91 33 00-0005	GAL	Catalyzed Epoxy Primer, Two Component Type, 425 SF Per Gallon	76.08	
09 91 33 00-0006	EA	Cement Base Primer, 25 LB Sack	27.70	
09 91 33 00-0007	GAL	Alkali Resistant Concrete And Masonry Primer, Exterior, 225 SF Per Gallon	42.70	
09 91 33 00-0008	GAL	Alkali Resistant Concrete And Masonry Primer, Interior, 225 SF Per Gallon	34.27	
09 91 33 00-0009	GAL	Acrylic Latex Primer, Flat Exterior, Fast Drying Wood Undercoat And Back Primer, 400 SF per Gallon	26.48	
09 91 33 00-0010	GAL	Acrylic (Vinyl Acrylic) Block Filler, 50 SF Per Gallon	24.06	
09 91 33 00-0011	GAL	Acrylic (Vinyl Acrylic) Rust Inhibiting Metal, Primer - 500 SF Per Gallon: Paint - 260 SF Per Gallon	42.41	
09 91 33 00-0012	GAL	Acrylic Heavy Duty Wall Primer/Sealer, Low Odor Type, Alkali-Resistant, 800 SF Per Gallon	35.31	
09 91 33 00-0013	GAL	Acrylic (Vinyl Acrylic) Undercoat, All Purpose, Interior/Exterior, 500 SF Per Gallon	35.31	
09 91 33 00-0014	GAL	Latex Wood Primer, Exterior, 300 SF Per Gallon	39.81	
09 91 33 00-0015	GAL	Linseed (Oil Base) Primer, Exterior/Interior, 300 SF Per Gallon	25.97	
09 91 33 00-0016	GAL	Red Alkyd Primer, 500 SF Per Gallon	56.90	
09 91 33 00-0017	GAL	Wood Sealer/Primer, Interior, Clear, 600 SF Per Gallon	27.70	
09 91 33 00-0018	GAL	Zinc Chromate Primer, 300 SF Per Gallon	22.16	
09 91 33 00-0019	GAL	Zinc Dust/Zinc Oxide Primer, 300 SF Per Gallon	57.30	
09 91 33 00-0020	GAL	Stain Killer, Alcohol Base	35.73	
09 91 33 00-0021	GAL	Sealer, Primer Kilz, 400 SF Per Gallon	40.31	

09 91 33 00-0022 Paint *(09 91 33)*

09 91 33 00-0023	GAL	Aluminum Fiber Roof Coat On Composition Roof, 50 SF Per Gallon	19.39	
09 91 33 00-0024	GAL	Acrylic Urethane Sealer	96.13	
09 91 33 00-0025	GAL	Asphalt-Fiber Roof And Foundation Coating, Solvent Type Note: 75 SF per gallon on roof or concrete, 100 SF per gallon on metal.	10.39	
09 91 33 00-0026	GAL	Concrete Enamel Epoxy, 350 SF Per Gallon	60.07	
09 91 33 00-0027	GAL	Concrete Acrylic Sealer, 400 SF Per Gallon	31.50	
09 91 33 00-0028	GAL	Tar Emulsion, Driveway Coating, 120 SF Per Gallon	10.39	
09 91 33 00-0029	GAL	Acrylic Latex, Driveway Coating, 250 SF Per Gallon	15.75	
09 91 33 00-0030	GAL	Exterior, Oil Base, Gloss Enamel, 400 SF Per Gallon	31.85	
09 91 33 00-0031	GAL	Exterior, Oil Base, Gloss, 400 SF Per Gallon	42.41	
09 91 33 00-0032	GAL	Exterior, Oil Base, Semi-Gloss, 400 SF Per Gallon	34.62	
09 91 33 00-0033	GAL	Exterior, Flat, Oil Base	31.74	
09 91 33 00-0034	GAL	Exterior, Latex, Semi-Gloss, 400 SF Per Gallon	30.12	
09 91 33 00-0035	GAL	Exterior, Flat Latex, Trim Paint, 500 SF Per Gallon	35.49	
09 91 33 00-0036	GAL	Exterior, Latex Flat Paint, 300 SF Per Gallon	31.50	
09 91 33 00-0037	GAL	Exterior, Water Base, Latex Gloss Enamel	44.85	
09 91 33 00-0038	GAL	Cold Galvanizing Paint	224.90	
09 91 33 00-0039	GAL	High Heat Paint	80.56	
09 91 33 00-0040	GAL	Heat Resistant Paint	53.70	
09 91 33 00-0041	GAL	Zinc Chromate Paint	48.59	
09 91 33 00-0042	QT	Anti-Rust Enamel, 500 SF Per Quart	19.18	
09 91 33 00-0043	GAL	Rust Inhibitor, Ferrous Metal	53.70	
09 91 33 00-0044	GAL	Masonry Waterproofing, 100 SF Per Gallon	31.50	
09 91 33 00-0045	GAL	Alkyd Latex, Black	36.23	
09 91 33 00-0046	GAL	Alkyd Latex, White	36.23	
09 91 33 00-0047	GAL	Alkyd Latex, Colors	43.69	
09 91 33 00-0048	QT	Wrought Iron Paint, Black	49.02	
09 91 33 00-0049	GAL	Vinyl Paint	52.97	
09 91 33 00-0050	GAL	Silicone Alkyd	64.39	
09 91 33 00-0051	GAL	2 Component Solvent Based Acrylic Epoxy	65.43	
09 91 33 00-0052	GAL	2 Component Solvent Based Polyester Epoxy	82.05	
09 91 33 00-0053	GAL	Chlorinated Rubber	60.24	
09 91 33 00-0054	GAL	Polyamide Epoxy Sealer	62.32	
09 91 33 00-0055	GAL	Coal Tar Epoxy	44.66	
09 91 33 00-0056	GAL	Swimming Pool Enamel, 350 SF Per Gallon	55.74	
09 91 33 00-0057	GAL	Swimming Pool Epoxy Or Urethane Base	72.70	
09 91 33 00-0058	GAL	Swimming Pool Rubber Base	49.85	
09 91 33 00-0059	GAL	Interior, Latex Flat Paint, 300 SF Per Gallon	31.68	
09 91 33 00-0060	GAL	Interior, Latex Eggshell Or Semi-Gloss Enamel, 300 SF Per Gallon	35.49	
09 91 33 00-0061	GAL	Interior, Fire-Retardant Flat Paint, 200 SF Per Gallon	64.91	
09 91 33 00-0062	GAL	Interior, Ceiling White Latex Flat, 350 SF Per Gallon	21.98	
09 91 33 00-0063	GAL	Linseed Oil	19.21	
09 91 33 00-0064	GAL	Latex Floor Paint, 300 SF Per Gallon	31.50	
09 91 33 00-0065	GAL	Acrylic Floor Paint, 400 SF Per Gallon	35.49	
09 91 33 00-0066	GAL	Texture Paint, Sand Texture Latex, Armor Coat, 100 SF Per Gallon	32.46	
09 91 33 00-0067	GAL	Acoustic Spray-On Texture, Finish	26.08	

09 91 33 00-0068 Stain, Varnish *(09 91 33)*

09 91 33 00-0069	GAL	Thompson Water Sealer, 150 SF Per Gallon	18.00	
09 91 33 00-0070	GAL	Latex Redwood Stain, Water Base, 300 SF Per Gallon	33.58	
09 91 33 00-0071	GAL	Redwood Oil Stain, 300 SF Per Gallon	29.95	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 91 33 00-0072	GAL	Varnish, Clear	23.62	
09 91 33 00-0073	GAL	Penetrating Water-Repellent Stain	17.15	
09 91 33 00-0074	GAL	Redwood Hue Or Clear Stain	15.33	
09 91 33 00-0075	GAL	Polyurethane	26.92	
09 91 33 00-0076	GAL	Lacquer, Semi-Gloss	31.60	
09 91 33 00-0077	GAL	Shellac, Clear	41.45	
09 91 33 00-0078	GAL	Acetone	13.68	
09 91 33 00-0079	GAL	Paint Thinner	3.38	
09 91 33 00-0080	GAL	Shellac Or Lacquer Thinner	13.85	
09 91 33 00-0081	GAL	Turpentine	19.04	
09 91 33 00-0082	GAL	Wood Filler Paste	32.54	
09 91 33 00-0083	GAL	Wood Preservative, Pentachlorophenol, General Purpose, 40%, 150 SF Per Gallon	25.97	
09 91 33 00-0084	GAL	Waterbased Alkyd Urethane (Sherwin Williams B53W01153)	65.99	

09 91 43 Surface Preparation *(09 91)*

See CSI section 09 01 90 52-0000 for preparation on painted or unpainted surfaces.

09 93 Staining and Transparent Finishing *(09 90)*

Note: Includes light sanding or screening between coats.

09 93 13 Exterior Staining and Finishing *(09 93)*

09 93 13 53 Exterior Finishing *(09 93 13)*

09 93 13 53-0001 Stain Sealer *(09 93 13 53)*

Note: Measured by surface area of wall or ceiling.

09 93 13 53-0002	SF	Stain Sealer, Brush Work	0.75
		For Ceiling Work, Add	*0.10*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 20,000, Deduct	*-0.04*
		For >20,000, Deduct	*-0.06*
09 93 13 53-0003	SF	Stain Sealer, Brush/Roller Work	0.60
		For Ceiling Work, Add	*0.08*
		For >5,000 To 10,000, Deduct	*-0.02*
		For >10,000 To 20,000, Deduct	*-0.03*
		For >20,000, Deduct	*-0.05*
09 93 13 53-0004	SF	Stain Sealer, Sprayed	0.23
		For Ceiling Work, Add	*0.02*
		For >5,000 To 10,000, Deduct	*-0.01*
		For >10,000 To 20,000, Deduct	*-0.02*
		For >20,000, Deduct	*-0.02*

09 93 23 Interior Staining and Finishing *(09 93)*

Note: VOC compliant in all regulated areas, review specifications for levels.

09 93 23 13 Interior Staining *(09 93 23)*

09 93 23 13-0001 Stain Wood Trim *(09 93 23 13)*

09 93 23 13-0002	LF	Stain Wood Trim, Up To 6" Wide, 1 Coat Stain, With Brush And Wipe Off	0.90
		For Up To 100, Add	*0.65*
		For >100 To 250, Add	*0.31*
		For >250 To 500, Add	*0.13*
		For >4,000, Deduct	*-0.05*
09 93 23 13-0003	SF	Stain Wood Trim, 1 Coat Stain, With Brush And Wipe Off	1.34
		For Up To 100, Add	*0.96*
		For >100 To 250, Add	*0.45*
		For >250 To 500, Add	*0.19*
		For >4,000, Deduct	*-0.07*

09 93 23 13-0004 Stain Wood Floor *(09 93 23 13)*

09 93 23 13-0005	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush Work	0.41
		For Up To 100, Add	*0.26*
		For >100 To 250, Add	*0.12*
		For >250 To 500, Add	*0.05*
		For >4,000, Deduct	*-0.02*
09 93 23 13-0006	SF	Stain Or Varnish Wood Floor, 1 Coat Stain, Brush/Roller Work	0.30
		For Up To 100, Add	*0.18*
		For >100 To 250, Add	*0.09*
		For >250 To 500, Add	*0.04*
		For >4,000, Deduct	*-0.02*

09 93 23 13-0007 Stain Wood Door And Window *(09 93 23 13)*

09 93 23 13-0008	EA	Stain Wood Door, 1 Coat Stain With Brush And Wipe Off Wood Door (Per Face)	43.64
		For Up To 4, Add	*32.01*
		For >4 To 10, Add	*14.97*
		For >10 To 20, Add	*6.43*
		For >160, Deduct	*-2.18*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 13-0009	EA	Stain Wood Window, 1 Coat Stain With Brush And Wipe Off Wood Window And Frame (Per Face)	30.84	
		For Up To 4, Add	*22.07*	
		For >4 To 10, Add	*10.35*	
		For >10 To 20, Add	*4.45*	
		For >160, Deduct	*-1.54*	

09 93 23 13-0010 Stain Wood Cabinet *(09 93 23 13)*

09 93 23 13-0011	SF	Stain Cabinet, 1 Coat Stain With Brush And Wipe	1.09	

09 93 23 53 Interior Finishing *(09 93 23)*

09 93 23 53-0001 Concrete Finishes *(09 93 23 53)*

09 93 23 53-0002	SF	Finish Concrete Floor, 1 Coat Polyurethane	0.62	
		For Up To 100, Add	*0.39*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >4,000, Deduct	*-0.03*	

09 93 23 53-0003 Wood Trim Finishes *(09 93 23 53)*

09 93 23 53-0004	SF	Finish Wood Trim, 1 Coat Sealer And 1 Coat Varnish Or Polyurethane	1.08	
		For Up To 100, Add	*0.73*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
		For >4,000, Deduct	*-0.05*	
09 93 23 53-0005	SF	Finish Wood Trim, 1 Coat Varnish Or Polyurethane	0.72	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >4,000, Deduct	*-0.04*	

09 93 23 53-0006 Wood Floor Finishes *(09 93 23 53)*

09 93 23 53-0007	SF	Refinish Wood Floor, 2 Coats Polyurethane Note: Includes sanding existing floor.	2.56	
		For Up To 100, Add	*1.84*	
		For >100 To 250, Add	*0.86*	
		For >250 To 500, Add	*0.37*	
		For >4,000, Deduct	*-0.13*	
09 93 23 53-0008	SF	Polyurethane Wood Floor, 1 Coat Polyurethane, With Wool Applicator Or Brush Work Note: Includes screening between coats.	0.55	
		For Up To 100, Add	*0.37*	
		For >100 To 250, Add	*0.18*	
		For >250 To 500, Add	*0.08*	
		For >4,000, Deduct	*-0.03*	
09 93 23 53-0009	SF	Refinish Wood Floor, 1 Coat Sealer And 2 Coats Polyurethane Note: Includes sanding existing floor.	2.92	
		For Up To 100, Add	*2.08*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.42*	
		For >4,000, Deduct	*-0.15*	

09 93 23 53-0010 Wood Door And Window Finishes *(09 93 23 53)*

See CSI section 08 14 16 00-0627 for factory finish.

09 93 23 53-0011	EA	Varnish Or Polyurethane Wood Door, 1 Coat Shellac (Per Face)	31.51	
		For Up To 4, Add	*23.06*	
		For >4 To 10, Add	*10.79*	
		For >10 To 20, Add	*4.63*	
		For >160, Deduct	*-1.58*	
09 93 23 53-0012	EA	Varnish Or Polyurethane Wood Door, 3 Coats Shellac, With Light Sanding Between Coats (Per Face)	95.17	
		For Up To 4, Add	*68.77*	
		For >4 To 10, Add	*32.22*	
		For >10 To 20, Add	*13.84*	
		For >160, Deduct	*-4.76*	

09 93 23 53-0013 Cabinet Finishes *(09 93 23 53)*

09 93 23 53-0014	SF	Finish Cabinet, 1 Coat Shellac, Varnish Or Polyurethane	1.09	

09 93 23 53-0015 Gym, Stage And Dance Floor Finishes *(09 93 23 53)*

09 93 23 53-0016	SF	Yearly Maintenance Refinish Of Gym, Stage Or Dance Floor Note: Includes screening, one coat of finish and buffing. Excludes repainting of game lines.	1.34	
09 93 23 53-0017	SF	Finish New Elementary School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.18	
		For Stage Or Dance Floors, Deduct	*-0.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 93 23 53-0018	SF	Finish New Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.24	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0019	SF	Finish New High School Wood Gym, Stage Or Dance Floor Note: Includes sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.31	
		For Stage Or Dance Floors, Deduct	*-0.07*	
09 93 23 53-0020	SF	Refinish Existing Elementary School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.18	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0021	SF	Refinish Existing Middle Or Junior School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.24	
		For Stage Or Dance Floors, Deduct	*-0.06*	
09 93 23 53-0022	SF	Refinish Existing High School Wood Gym, Stage Or Dance Floor Note: Includes removal of existing finish and sanding to level, vacuuming, tack cloth wiping, seal coat, light sanding between coats, painting of all game lines, logos, court markings and solid paint areas, seal and finish coats per manufacturer's instructions, minimum four coats total with not less than two finish coats.	3.31	
		For Stage Or Dance Floors, Deduct	*-0.07*	

09 96 High-Performance Coatings *(09 90)*

09 96 23 Graffiti-Resistant Coatings *(09 96)*

09 96 23 00-0001 Anti-Graffiti Coating *(09 96 23)*

09 96 23 00-0002	SF	Sacrificial Anti-Graffiti Coating, Per Coat	1.11	
		For Up To 100, Add	*0.68*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	
09 96 23 00-0003	SF	Permanent (Non-Sacrificial) Anti-Graffiti Coating, Per Coat	1.18	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.15*	

09 96 53 Elastomeric Coatings *(09 96)*

09 96 53 00-0001 Elastomeric *(09 96 53)*

Note: Per coat.

09 96 53 00-0002	SF	1 Coat, Elastomeric Paint, Brush Work	1.00	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.12*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20'.*	*0.21*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.33*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.46*	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.10*	
		For >10,000 To 20,000, Deduct	*-0.15*	
		For >20,000, Deduct	*-0.20*	
09 96 53 00-0003	SF	1 Coat, Elastomeric Paint, Brush/Roller Work	0.91	
		For Work >15' To 20' Above Floor, Add *Note: Applied only to work area above 15' to 20'.*	*0.11*	
		For Work >20' To 30' Above Floor, Add *Note: Applied only to work area above 20'.*	*0.19*	
		For Work >30' To 40' Above Floor, Add *Note: Applied only to work area above 30' to 40'.*	*0.30*	
		For Work >40' Above Floor, Add *Note: Applied only to work area above 40'.*	*0.41*	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.28*	
		For >250 To 500, Add	*0.12*	
		For >2,500 To 5,000, Deduct	*-0.05*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.14*	
		For >20,000, Deduct	*-0.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 96 53 00-0004	SF	1 Coat, Elastomeric Paint, Sprayed	0.88	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.49*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.09*	
		For >10,000 To 20,000, Deduct	*-0.13*	
		For >20,000, Deduct	*-0.18*	
09 96 53 00-0005	SF	1 Coat, Elastomeric Primer, Brush Work	0.69	
		For Work >15' To 20' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.15*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.24*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.33*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.46*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.09*	
		For >2,500 To 5,000, Deduct	*-0.03*	
		For >5,000 To 10,000, Deduct	*-0.07*	
		For >10,000 To 20,000, Deduct	*-0.10*	
		For >20,000, Deduct	*-0.14*	
09 96 53 00-0006	SF	1 Coat, Elastomeric Primer, Brush/Roller Work	0.45	
		For Work >15' To 20' Above Floor, Add	*0.05*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.09*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.14*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.20*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.14*	
		For >250 To 500, Add	*0.06*	
		For >2,500 To 5,000, Deduct	*-0.02*	
		For >5,000 To 10,000, Deduct	*-0.05*	
		For >10,000 To 20,000, Deduct	*-0.07*	
		For >20,000, Deduct	*-0.09*	
09 96 53 00-0007	SF	1 Coat, Elastomeric Primer, Sprayed	0.83	
		For Work >15' To 20' Above Floor, Add	*0.10*	
		Note: Applied only to work area above 15' to 20'.		
		For Work >20' To 30' Above Floor, Add	*0.17*	
		Note: Applied only to work area above 20'.		
		For Work >30' To 40' Above Floor, Add	*0.27*	
		Note: Applied only to work area above 30' to 40'.		
		For Work >40' Above Floor, Add	*0.37*	
		Note: Applied only to work area above 40'.		
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
		For >2,500 To 5,000, Deduct	*-0.04*	
		For >5,000 To 10,000, Deduct	*-0.08*	
		For >10,000 To 20,000, Deduct	*-0.12*	
		For >20,000, Deduct	*-0.17*	

09 96 56 Epoxy Coatings *(09 96)*

09 96 56 00-0001 High Build Epoxy *(09 96 56)*

09 96 56 00-0002	SF	50 Mil, High Build Epoxy	2.67

09 96 56 00-0003 Laminated Epoxy With Fiberglass *(09 96 56)*

09 96 56 00-0004	SF	Laminated Epoxy With Fiberglass	4.60

09 96 66 Aggregate Wall Coatings *(09 96)*

09 96 66 00-0001 Troweled On *(09 96 66)*

09 96 66 00-0002	SF	Exposed Aggregate - 1/16" To 1/4" - Troweled On	3.63
09 96 66 00-0003	SF	Exposed Aggregate - 1/2" To 5/8" Troweled On	6.49
09 96 66 00-0004	SF	Exposed Aggregate - 1" Troweled On	9.75

09 96 66 00-0005 Sprayed On *(09 96 66)*

09 96 66 00-0006	SF	Exposed Aggregate - 1/8" - Sprayed On	2.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

09 97 Special Coatings *(09 90)*

09 97 13 Steel Coatings *(09 97)*

09 97 13 23 Exterior Steel Coatings *(09 97 13)*

Note: Steel Structure Painting Council, SSPC; Surface Preparation, SP.

09 97 13 23-0001 Surface Preparation For Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0002 SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

09 97 13 23-0003	SF	Type 1 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.20	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.42*	
		For >250 To 500, Add	*0.18*	
09 97 13 23-0004	SF	Type 2 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0005	SF	Type 3 Structural Steel SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0006	SF	Up To 14" Diameter Pipe SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.57	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	

09 97 13 23-0007 SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

09 97 13 23-0008	SF	Type 1 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.92	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0009	SF	Type 2 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.81	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0010	SF	Type 3 Structural Steel SP7 Brush Off Blast Cleaning Surface Preparation	0.80	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.11*	
09 97 13 23-0011	SF	Up To 14" Diameter Pipe SP7 Brush Off Blast Cleaning Surface Preparation	1.13	
		For Up To 100, Add	*0.78*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	

09 97 13 23-0012 SSPC SP6 Commercial Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

09 97 13 23-0013	SF	Type 1 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.32	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0014	SF	Type 2 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	2.03	
		For Up To 100, Add	*1.41*	
		For >100 To 250, Add	*0.66*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0015	SF	Type 3 Structural Steel SP6 Commercial Blast Cleaning Surface Preparation	1.89	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0016	SF	Up To 14" Diameter Pipe SP6 Commercial Blast Cleaning Surface Preparation	2.90	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.97*	
		For >250 To 500, Add	*0.42*	

09 97 13 23-0017 SSPC SP5 White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

09 97 13 23-0018	SF	Type 1 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	4.51	
		For Up To 100, Add	*3.18*	
		For >100 To 250, Add	*1.49*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0019	SF	Type 2 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.86	
		For Up To 100, Add	*2.71*	
		For >100 To 250, Add	*1.27*	
		For >250 To 500, Add	*0.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0020	SF	Type 3 Structural Steel SP5 White Metal Blast Cleaning Surface Preparation	3.55	
		For Up To 100, Add	*2.48*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.50*	
09 97 13 23-0021	SF	Up To 14" Diameter Pipe SP5 White Metal Blast Cleaning Surface Preparation	5.42	
		For Up To 100, Add	*3.87*	
		For >100 To 250, Add	*1.81*	
		For >250 To 500, Add	*0.78*	

09 97 13 23-0022 SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Structural Steel *(09 97 13 23-0001)*

09 97 13 23-0023	SF	Type 1 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	3.36	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0024	SF	Type 2 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.86	
		For Up To 100, Add	*2.00*	
		For >100 To 250, Add	*0.94*	
		For >250 To 500, Add	*0.41*	
09 97 13 23-0025	SF	Type 3 Structural Steel SP10 Near White Metal Blast Cleaning Surface Preparation	2.71	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0026	SF	Up To 14" Diameter Pipe SP10 Near White Metal Blast Cleaning Surface Preparation	3.95	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.57*	

09 97 13 23-0027 Protective Coatings For Tanks And Structural Steel *(09 97 13 23)*

Note: Type 1 structural steel - up to 2 SF per LF, Type 2 structural steel - over 2 SF to 5 SF per LF, Type 3 structural steel - over 5 SF per LF, and piping - under 14" diameter.

09 97 13 23-0028 1.5 Mil Prime Coat For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0029	SF	Spray Type 1 Structural Steel 1.5 Mil Prime Coat	0.97	
		For Up To 100, Add	*0.65*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0030	SF	Spray Type 2 Structural Steel 1.5 Mil Prime Coat	0.72	
		For Up To 100, Add	*0.47*	
		For >100 To 250, Add	*0.22*	
		For >250 To 500, Add	*0.10*	
09 97 13 23-0031	SF	Spray Type 3 Structural Steel 1.5 Mil Prime Coat	0.65	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 97 13 23-0032	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.16	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0033	SF	Brush Type 1 Structural Steel 1.5 Mil Prime Coat	1.16	
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0034	SF	Brush Type 2 Structural Steel 1.5 Mil Prime Coat	0.86	
		For Up To 100, Add	*0.58*	
		For >100 To 250, Add	*0.27*	
		For >250 To 500, Add	*0.12*	
09 97 13 23-0035	SF	Brush Type 3 Structural Steel 1.5 Mil Prime Coat	0.77	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 97 13 23-0036	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime Coat	1.39	
		For Up To 100, Add	*0.97*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.20*	

09 97 13 23-0037 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0038	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.84	
		For Up To 100, Add	*1.90*	
		For >100 To 250, Add	*0.90*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0039	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.04	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0040	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.90	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.58*	
		For >250 To 500, Add	*0.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0041	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.47	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 23-0042	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.13	
		For Up To 100, Add	*1.42*	
		For >100 To 250, Add	*0.67*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0043	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.54	
		For Up To 100, Add	*0.99*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
09 97 13 23-0044	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.42	
		For Up To 100, Add	*0.90*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0045	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.60	
		For Up To 100, Add	*1.76*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0046	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.67	
		For Up To 100, Add	*2.52*	
		For >100 To 250, Add	*1.19*	
		For >250 To 500, Add	*0.51*	
09 97 13 23-0047	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.62	
		For Up To 100, Add	*1.75*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0048	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.41	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0049	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.51	
		For Up To 100, Add	*3.14*	
		For >100 To 250, Add	*1.48*	
		For >250 To 500, Add	*0.64*	
09 97 13 23-0050	SF	Brush Type 1 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.75	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0051	SF	Brush Type 2 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.96	
		For Up To 100, Add	*1.31*	
		For >100 To 250, Add	*0.62*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0052	SF	Brush Type 3 Structural Steel 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.81	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0053	SF	Brush Up To 14" Diameter Pipe 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.38	
		For Up To 100, Add	*2.35*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	

09 97 13 23-0054 Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0055	SF	Spray Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.21	
		For Up To 100, Add	*1.48*	
		For >100 To 250, Add	*0.70*	
		For >250 To 500, Add	*0.30*	
09 97 13 23-0056	SF	Spray Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.80	
		For Up To 100, Add	*1.19*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0057	SF	Spray Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.64	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0058	SF	Spray Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.74	
		For Up To 100, Add	*1.88*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0059	SF	Spray Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.40	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0060	SF	Spray Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.15	
		For Up To 100, Add	*0.76*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 23-0061	SF	Spray Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.05	
		For Up To 100, Add	*0.69*	
		For >100 To 250, Add	*0.33*	
		For >250 To 500, Add	*0.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0062	SF	Spray Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.76	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 23-0063	SF	Brush Type 1 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.63	
		For Up To 100, Add	*1.80*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0064	SF	Brush Type 2 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	2.13	
		For Up To 100, Add	*1.44*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
09 97 13 23-0065	SF	Brush Type 3 Structural Steel Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.94	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0066	SF	Brush Up To 14" Diameter Pipe Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.28	
		For Up To 100, Add	*2.29*	
		For >100 To 250, Add	*1.08*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0067	SF	Brush Type 1 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.67	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0068	SF	Brush Type 2 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.37	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0069	SF	Brush Type 3 Structural Steel Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.25	
		For Up To 100, Add	*0.84*	
		For >100 To 250, Add	*0.40*	
		For >250 To 500, Add	*0.17*	
09 97 13 23-0070	SF	Brush Up To 14" Diameter Pipe Touch-Up And One 1.5 Mil Alkyd Finish Coat	2.11	
		For Up To 100, Add	*1.47*	
		For >100 To 250, Add	*0.69*	
		For >250 To 500, Add	*0.30*	

09 97 13 23-0071 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0072	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	3.56	
		For Up To 100, Add	*2.19*	
		For >100 To 250, Add	*1.05*	
		For >250 To 500, Add	*0.45*	
09 97 13 23-0073	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.56	
		For Up To 100, Add	*1.49*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0074	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.26	
		For Up To 100, Add	*1.26*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.27*	
09 97 13 23-0075	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	4.04	
		For Up To 100, Add	*2.54*	
		For >100 To 250, Add	*1.21*	
		For >250 To 500, Add	*0.52*	
09 97 13 23-0076	SF	Spray Type 1 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.49	
		For Up To 100, Add	*1.53*	
		For >100 To 250, Add	*0.73*	
		For >250 To 500, Add	*0.32*	
09 97 13 23-0077	SF	Spray Type 2 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.80	
		For Up To 100, Add	*1.04*	
		For >100 To 250, Add	*0.50*	
		For >250 To 500, Add	*0.22*	
09 97 13 23-0078	SF	Spray Type 3 Structural Steel Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.58	
		For Up To 100, Add	*0.88*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 23-0079	SF	Spray Up To 14" Diameter Pipe Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.83	
		For Up To 100, Add	*1.77*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	

09 97 13 23-0080 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0081	SF	Spray Type 1 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	3.78	
		For Up To 100, Add	*2.22*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.47*	
09 97 13 23-0082	SF	Spray Type 2 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.77	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0083	SF	Spray Type 3 Structural Steel 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.47	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0084	SF	Spray Up To 14" Diameter Pipe 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	4.27	
		For Up To 100, Add	*2.57*	
		For >100 To 250, Add	*1.23*	
		For >250 To 500, Add	*0.54*	
09 97 13 23-0085	SF	Spray Type 1 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	3.10	
		For Up To 100, Add	*1.82*	
		For >100 To 250, Add	*0.88*	
		For >250 To 500, Add	*0.38*	
09 97 13 23-0086	SF	Spray Type 2 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.26	
		For Up To 100, Add	*1.24*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0087	SF	Spray Type 3 Structural Steel Two 6 Mil High Build Epoxy Finish Coats	2.02	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	
09 97 13 23-0088	SF	Spray Up To 14" Diameter Pipe Two 6 Mil High Build Epoxy Finish Coats	3.50	
		For Up To 100, Add	*2.11*	
		For >100 To 250, Add	*1.01*	
		For >250 To 500, Add	*0.44*	

09 97 13 23-0089 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0090	SF	Spray Type 1 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	7.94	
		For Up To 100, Add	*4.78*	
		For >100 To 250, Add	*2.29*	
		For >250 To 500, Add	*1.00*	
09 97 13 23-0091	SF	Spray Type 2 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.96	
		For Up To 100, Add	*3.42*	
		For >100 To 250, Add	*1.65*	
		For >250 To 500, Add	*0.72*	
09 97 13 23-0092	SF	Spray Type 3 Structural Steel 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.73	
		For Up To 100, Add	*3.25*	
		For >100 To 250, Add	*1.57*	
		For >250 To 500, Add	*0.68*	
09 97 13 23-0093	SF	Spray Up To 14" Diameter Pipe 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	9.27	
		For Up To 100, Add	*5.75*	
		For >100 To 250, Add	*2.74*	
		For >250 To 500, Add	*1.19*	

09 97 13 23-0094 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0095	SF	Spray Type 1 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.12	
		For Up To 100, Add	*2.32*	
		For >100 To 250, Add	*1.12*	
		For >250 To 500, Add	*0.49*	
09 97 13 23-0096	SF	Spray Type 2 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.20	
		For Up To 100, Add	*1.63*	
		For >100 To 250, Add	*0.80*	
		For >250 To 500, Add	*0.35*	
09 97 13 23-0097	SF	Spray Type 3 Structural Steel 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	3.04	
		For Up To 100, Add	*1.51*	
		For >100 To 250, Add	*0.74*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0098	SF	Spray Up To 14" Diameter Pipe 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.71	
		For Up To 100, Add	*2.73*	
		For >100 To 250, Add	*1.31*	
		For >250 To 500, Add	*0.57*	
09 97 13 23-0099	SF	Spray Type 1 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	3.26	
		For Up To 100, Add	*1.83*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.39*	
09 97 13 23-0100	SF	Spray Type 2 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.53	
		For Up To 100, Add	*1.29*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0101	SF	Spray Type 3 Structural Steel Two 4 Mil High Build Vinyl Finish Coats	2.41	
		For Up To 100, Add	*1.20*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0102	SF	Spray Up To 14" Diameter Pipe Two 4 Mil High Build Vinyl Finish Coats	3.73	
		For Up To 100, Add	*2.16*	
		For >100 To 250, Add	*1.04*	
		For >250 To 500, Add	*0.45*	

09 97 13 23-0103 Two 8 Mil Coal Tar Epoxy Coats For Structural Steel *(09 97 13 23-0027)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 23-0104	SF	Spray Type 1 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	3.56	
		For Up To 100, Add	*2.23*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0105	SF	Spray Type 2 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.89	
		For Up To 100, Add	*1.77*	
		For >100 To 250, Add	*0.84*	
		For >250 To 500, Add	*0.37*	
09 97 13 23-0106	SF	Spray Type 3 Structural Steel Two 8 Mil Coal Tar Epoxy Coats	2.66	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 23-0107	SF	Spray Up To 14" Diameter Pipe Two 8 Mil Coal Tar Epoxy Coats	4.43	
		For Up To 100, Add	*2.87*	
		For >100 To 250, Add	*1.36*	
		For >250 To 500, Add	*0.59*	

09 97 13 23-0108 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0109	SF	Spray Type 1 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.47	
		For Up To 100, Add	*2.27*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.46*	
09 97 13 23-0110	SF	Spray Type 2 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.44	
		For Up To 100, Add	*1.52*	
		For >100 To 250, Add	*0.72*	
		For >250 To 500, Add	*0.31*	
09 97 13 23-0111	SF	Spray Type 3 Structural Steel One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.06	
		For Up To 100, Add	*1.23*	
		For >100 To 250, Add	*0.59*	
		For >250 To 500, Add	*0.26*	
09 97 13 23-0112	SF	Spray Up To 14" Diameter Pipe One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	3.97	
		For Up To 100, Add	*2.62*	
		For >100 To 250, Add	*1.24*	
		For >250 To 500, Add	*0.54*	

09 97 13 23-0113 One 3 Mil High Zinc Silicate Coat For Structural Steel *(09 97 13 23-0027)*

09 97 13 23-0114	SF	Spray Type 1 Structural Steel One 3 Mil High Zinc Silicate Coat	1.80	
		For Up To 100, Add	*1.00*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 23-0115	SF	Spray Type 2 Structural Steel One 3 Mil High Zinc Silicate Coat	1.30	
		For Up To 100, Add	*0.66*	
		For >100 To 250, Add	*0.32*	
		For >250 To 500, Add	*0.14*	
09 97 13 23-0116	SF	Spray Type 3 Structural Steel One 3 Mil High Zinc Silicate Coat	1.21	
		For Up To 100, Add	*0.59*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 23-0117	SF	Spray Up To 14" Diameter Pipe One 3 Mil High Zinc Silicate Coat	1.90	
		For Up To 100, Add	*1.07*	
		For >100 To 250, Add	*0.52*	
		For >250 To 500, Add	*0.23*	

09 97 13 23-0118 Two 1.5 Mil Vinyl Enamel Finish Coats For Structural Steel *(09 97 13 23-0027)*

Note: Installed over existing primer.

09 97 13 23-0119	SF	Spray Type 1 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.83	
		For Up To 100, Add	*1.71*	
		For >100 To 250, Add	*0.82*	
		For >250 To 500, Add	*0.36*	
09 97 13 23-0120	SF	Spray Type 2 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	2.29	
		For Up To 100, Add	*1.35*	
		For >100 To 250, Add	*0.65*	
		For >250 To 500, Add	*0.28*	
09 97 13 23-0121	SF	Spray Type 3 Structural Steel Two 1.5 Mil Vinyl Enamel Finish Coats	1.99	
		For Up To 100, Add	*1.13*	
		For >100 To 250, Add	*0.54*	
		For >250 To 500, Add	*0.24*	
09 97 13 23-0122	SF	Spray Up To 14" Diameter Pipe Two 1.5 Mil Vinyl Enamel Finish Coats	3.30	
		For Up To 100, Add	*2.06*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.43*	

09 97 13 24 Steel Water Storage Tank Painting *(09 97 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0001		**Surface Preparation For Tanks** *(09 97 13 24)* Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0002		**SSPC SP2 Or 3 Hand Or Power Tool Cleaning Surface Preparation For Tanks** *(09 97 13 24-0001)*		
09 97 13 24-0003	SF	Small Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.16	
		For Up To 100, Add	*0.87*	
		For >100 To 250, Add	*0.41*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0004	SF	Large Vessel/Tank SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.03	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0005	SF	Vessel/Tank Interior SP2/3 Hand Or Power Tool Cleaning Surface Preparation	1.45	
		For Up To 100, Add	*1.09*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0006		**SSPC SP7 Brush Off Blast Cleaning Surface Preparation For Tanks** *(09 97 13 24-0001)*		
09 97 13 24-0007	SF	Small Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.77	
		For Up To 100, Add	*0.52*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0008	SF	Large Vessel/Tank SP7 Brush Off Blast Cleaning Surface Preparation	0.61	
		For Up To 100, Add	*0.42*	
		For >100 To 250, Add	*0.20*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0009	SF	Vessel/Tank Interior SP7 Brush Off Blast Cleaning Surface Preparation	1.07	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0010		**SSPC SP6 Commercial Blast Cleaning Surface Preparation For Tanks** *(09 97 13 24-0001)*		
09 97 13 24-0011	SF	Small Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.88	
		For Up To 100, Add	*1.30*	
		For >100 To 250, Add	*0.61*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0012	SF	Large Vessel/Tank SP6 Commercial Blast Cleaning Surface Preparation	1.72	
		For Up To 100, Add	*1.18*	
		For >100 To 250, Add	*0.56*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0013	SF	Vessel/Tank Interior SP6 Commercial Blast Cleaning Surface Preparation	2.50	
		For Up To 100, Add	*1.77*	
		For >100 To 250, Add	*0.83*	
		For >250 To 500, Add	*0.36*	
09 97 13 24-0014		**SSPC SP5 White Metal Blast Cleaning Surface Preparation For Tanks** *(09 97 13 24-0001)*		
09 97 13 24-0015	SF	Small Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.39	
		For Up To 100, Add	*2.36*	
		For >100 To 250, Add	*1.11*	
		For >250 To 500, Add	*0.48*	
09 97 13 24-0016	SF	Large Vessel/Tank SP5 White Metal Blast Cleaning Surface Preparation	3.24	
		For Up To 100, Add	*2.25*	
		For >100 To 250, Add	*1.06*	
		For >250 To 500, Add	*0.46*	
09 97 13 24-0017	SF	Vessel/Tank Interior SP5 White Metal Blast Cleaning Surface Preparation	4.70	
		For Up To 100, Add	*3.35*	
		For >100 To 250, Add	*1.57*	
		For >250 To 500, Add	*0.68*	
09 97 13 24-0018		**SSPC SP10 Near White Metal Blast Cleaning Surface Preparation For Tanks** *(09 97 13 24-0001)*		
09 97 13 24-0019	SF	Small Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.70	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0020	SF	Large Vessel/Tank SP10 Near White Metal Blast Cleaning Surface Preparation	2.70	
		For Up To 100, Add	*1.89*	
		For >100 To 250, Add	*0.89*	
		For >250 To 500, Add	*0.38*	
09 97 13 24-0021	SF	Vessel/Tank Interior SP10 Near White Metal Blast Cleaning Surface Preparation	3.94	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.32*	
		For >250 To 500, Add	*0.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0022		**Protective Coatings For Tanks** *(09 97 13 24)*		
		Note: Small pressure vessels and tanks - up to 12' diameter, large pressure vessels and tanks - over 12' diameter, tank interiors - over 6' diameter.		
09 97 13 24-0023		**1.5 Mil Prime Coat For Tanks** *(09 97 13 24-0022)*		
09 97 13 24-0024	SF	Spray Small Vessel/Tank 1.5 Mil Prime Coat	0.56	
		For Up To 100, Add	*0.36*	
		For >100 To 250, Add	*0.17*	
		For >250 To 500, Add	*0.07*	
09 97 13 24-0025	SF	Spray Large Vessel/Tank 1.5 Mil Prime Coat	0.45	
		For Up To 100, Add	*0.28*	
		For >100 To 250, Add	*0.13*	
		For >250 To 500, Add	*0.06*	
09 97 13 24-0026	SF	Spray Tank Interior 1.5 Mil Prime Coat	1.10	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0027	SF	Brush Small Vessel/Tank 1.5 Mil Prime Coat	0.66	
		For Up To 100, Add	*0.44*	
		For >100 To 250, Add	*0.21*	
		For >250 To 500, Add	*0.09*	
09 97 13 24-0028	SF	Brush Large Vessel/Tank 1.5 Mil Prime Coat	0.53	
		For Up To 100, Add	*0.34*	
		For >100 To 250, Add	*0.16*	
		For >250 To 500, Add	*0.07*	
09 97 13 24-0029	SF	Brush Tank Interior 1.5 Mil Prime Coat	1.32	
		For Up To 100, Add	*0.93*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0030		**1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats For Tanks** *(09 97 13 24-0022)*		
09 97 13 24-0031	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.65	
		For Up To 100, Add	*1.03*	
		For >100 To 250, Add	*0.49*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0032	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.27	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.36*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0033	SF	Spray Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	3.11	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.43*	
09 97 13 24-0034	SF	Spray Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.24	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.37*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0035	SF	Spray Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	0.94	
		For Up To 100, Add	*0.55*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0036	SF	Spray Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	2.33	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.75*	
		For >250 To 500, Add	*0.32*	
09 97 13 24-0037	SF	Brush Small Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	2.09	
		For Up To 100, Add	*1.36*	
		For >100 To 250, Add	*0.64*	
		For >250 To 500, Add	*0.28*	
09 97 13 24-0038	SF	Brush Large Vessel/Tank 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	1.58	
		For Up To 100, Add	*0.98*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0039	SF	Brush Tank Interior 1.5 Mil Prime And Two 1.5 Mil Alkyd Finish Coats	4.04	
		For Up To 100, Add	*2.82*	
		For >100 To 250, Add	*1.33*	
		For >250 To 500, Add	*0.57*	
09 97 13 24-0040	SF	Brush Small Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.57	
		For Up To 100, Add	*1.02*	
		For >100 To 250, Add	*0.48*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0041	SF	Brush Large Vessel/Tank 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	1.19	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0042	SF	Brush Tank Interior 1.5 Mil Prime And One 1.5 Mil Alkyd Finish Coats	3.03	
		For Up To 100, Add	*2.12*	
		For >100 To 250, Add	*1.00*	
		For >250 To 500, Add	*0.43*	
09 97 13 24-0043		**Touch-Up And Two 1.5 Mil Alkyd Finish Coats For Tanks** *(09 97 13 24-0022)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0044	SF	Spray Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.47	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0045	SF	Spray Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.25	
		For Up To 100, Add	*0.79*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.16*	
09 97 13 24-0046	SF	Spray Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	3.24	
		For Up To 100, Add	*2.28*	
		For >100 To 250, Add	*1.07*	
		For >250 To 500, Add	*0.46*	
09 97 13 24-0047	SF	Spray Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.95	
		For Up To 100, Add	*0.62*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0048	SF	Spray Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.79	
		For Up To 100, Add	*0.50*	
		For >100 To 250, Add	*0.24*	
		For >250 To 500, Add	*0.10*	
09 97 13 24-0049	SF	Spray Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.07	
		For Up To 100, Add	*1.46*	
		For >100 To 250, Add	*0.68*	
		For >250 To 500, Add	*0.29*	
09 97 13 24-0050	SF	Brush Small Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.74	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0051	SF	Brush Large Vessel/Tank Touch-Up And Two 1.5 Mil Alkyd Finish Coats	1.47	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0052	SF	Brush Tank Interior Touch-Up And Two 1.5 Mil Alkyd Finish Coats	4.16	
		For Up To 100, Add	*3.02*	
		For >100 To 250, Add	*1.42*	
		For >250 To 500, Add	*0.61*	
09 97 13 24-0053	SF	Brush Small Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	1.12	
		For Up To 100, Add	*0.74*	
		For >100 To 250, Add	*0.35*	
		For >250 To 500, Add	*0.15*	
09 97 13 24-0054	SF	Brush Large Vessel/Tank Touch-Up And One 1.5 Mil Alkyd Finish Coat	0.94	
		For Up To 100, Add	*0.61*	
		For >100 To 250, Add	*0.29*	
		For >250 To 500, Add	*0.13*	
09 97 13 24-0055	SF	Brush Tank Interior Touch-Up And One 1.5 Mil Alkyd Finish Coats	2.72	
		For Up To 100, Add	*1.94*	
		For >100 To 250, Add	*0.91*	
		For >250 To 500, Add	*0.39*	

09 97 13 24-0056 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0057	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	2.08	
		For Up To 100, Add	*1.14*	
		For >100 To 250, Add	*0.55*	
		For >250 To 500, Add	*0.24*	
09 97 13 24-0058	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.77	
		For Up To 100, Add	*0.91*	
		For >100 To 250, Add	*0.44*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0059	SF	Spray Small Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.46	
		For Up To 100, Add	*0.80*	
		For >100 To 250, Add	*0.39*	
		For >250 To 500, Add	*0.17*	
09 97 13 24-0060	SF	Spray Large Vessel/Tank Two 2 Mil Epoxy Polyamide Cured Resin Finish Coats	1.24	
		For Up To 100, Add	*0.64*	
		For >100 To 250, Add	*0.31*	
		For >250 To 500, Add	*0.14*	

09 97 13 24-0061 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0062	SF	Spray Small Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	2.28	
		For Up To 100, Add	*1.17*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0063	SF	Spray Large Vessel/Tank 2 Mil Prime And Two 6 Mil High Build Epoxy Finish Coats	1.97	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.46*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0064	SF	Spray Small Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.87	
		For Up To 100, Add	*0.96*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0065	SF	Spray Large Vessel/Tank Two 6 Mil High Build Epoxy Finish Coats	1.62	
		For Up To 100, Add	*0.77*	
		For >100 To 250, Add	*0.38*	
		For >250 To 500, Add	*0.17*	

09 97 13 24-0066 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0067	SF	Spray Small Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.53	
		For Up To 100, Add	*3.13*	
		For >100 To 250, Add	*1.51*	
		For >250 To 500, Add	*0.66*	
09 97 13 24-0068	SF	Spray Large Vessel/Tank 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	5.07	
		For Up To 100, Add	*2.78*	
		For >100 To 250, Add	*1.35*	
		For >250 To 500, Add	*0.59*	
09 97 13 24-0069	SF	Spray Tank Interior 1 Mil Prime, Three 2.33 Mil Body Coats And Two 1 Mil Vinyl Finish Coats	8.59	
		For Up To 100, Add	*5.42*	
		For >100 To 250, Add	*2.58*	
		For >250 To 500, Add	*1.12*	

09 97 13 24-0070 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0071	SF	Spray Small Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.85	
		For Up To 100, Add	*1.45*	
		For >100 To 250, Add	*0.71*	
		For >250 To 500, Add	*0.31*	
09 97 13 24-0072	SF	Spray Large Vessel/Tank 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	2.52	
		For Up To 100, Add	*1.21*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0073	SF	Spray Tank Interior 1.5 Mil Prime And Two 4 Mil High Build Vinyl Finish Coats	4.36	
		For Up To 100, Add	*2.59*	
		For >100 To 250, Add	*1.24*	
		For >250 To 500, Add	*0.54*	
09 97 13 24-0074	SF	Spray Small Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	2.26	
		For Up To 100, Add	*1.16*	
		For >100 To 250, Add	*0.57*	
		For >250 To 500, Add	*0.25*	
09 97 13 24-0075	SF	Spray Large Vessel/Tank Two 4 Mil High Build Vinyl Finish Coats	1.99	
		For Up To 100, Add	*0.95*	
		For >100 To 250, Add	*0.47*	
		For >250 To 500, Add	*0.21*	
09 97 13 24-0076	SF	Spray Tank Interior Two 4 Mil High Build Vinyl Finish Coats	3.44	
		For Up To 100, Add	*2.04*	
		For >100 To 250, Add	*0.98*	
		For >250 To 500, Add	*0.43*	

09 97 13 24-0077 Two 8 Mil Coal Tar Epoxy Coats For Tanks *(09 97 13 24-0022)*

09 97 13 24-0078	SF	Spray Small Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.64	
		For Up To 100, Add	*1.59*	
		For >100 To 250, Add	*0.76*	
		For >250 To 500, Add	*0.33*	
09 97 13 24-0079	SF	Spray Large Vessel/Tank Two 8 Mil Coal Tar Epoxy Coats	2.19	
		For Up To 100, Add	*1.25*	
		For >100 To 250, Add	*0.60*	
		For >250 To 500, Add	*0.26*	
09 97 13 24-0080	SF	Spray Tank Interior Two 8 Mil Coal Tar Epoxy Coats	3.41	
		For Up To 100, Add	*2.17*	
		For >100 To 250, Add	*1.03*	
		For >250 To 500, Add	*0.45*	

09 97 13 24-0081 One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat For Tanks *(09 97 13 24-0022)*

09 97 13 24-0082	SF	Spray Small Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.81	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0083	SF	Spray Large Vessel/Tank One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	1.66	
		For Up To 100, Add	*0.94*	
		For >100 To 250, Add	*0.45*	
		For >250 To 500, Add	*0.20*	
09 97 13 24-0084	SF	Spray Tank Interior One 1 Mil Primer, One 3 Mil Intermediate And One 1 Mil Chlorinated Rubber Finish Coat	2.80	
		For Up To 100, Add	*1.79*	
		For >100 To 250, Add	*0.85*	
		For >250 To 500, Add	*0.37*	

09 97 13 24-0085 Two 6 Mil High Build Epoxy Finish Coats For Tanks Interior *(09 97 13 24-0022)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
09 97 13 24-0086	SF	Spray Small Tank Interior Two 6 Mil High Build Epoxy Finish Coats	4.01	
		For Up To 100, Add	*2.44*	
		For >100 To 250, Add	*1.17*	
		For >250 To 500, Add	*0.51*	
09 97 13 24-0087	SF	Spray Large Tank Interior Two 6 Mil High Build Epoxy Finish Coats	2.40	
		For Up To 100, Add	*1.28*	
		For >100 To 250, Add	*0.63*	
		For >250 To 500, Add	*0.27*	
09 97 13 24-0088		One 3 Mil High Zinc Silicate Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0089	SF	Spray Small Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.12	
		For Up To 100, Add	*0.53*	
		For >100 To 250, Add	*0.26*	
		For >250 To 500, Add	*0.12*	
09 97 13 24-0090	SF	Spray Large Vessel/Tank One 3 Mil High Zinc Silicate Coat	1.09	
		For Up To 100, Add	*0.51*	
		For >100 To 250, Add	*0.25*	
		For >250 To 500, Add	*0.11*	
09 97 13 24-0091	SF	Spray Tank Interior One 3 Mil High Zinc Silicate Coat	1.81	
		For Up To 100, Add	*1.05*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0092		Two 1.5 Mil Vinyl Enamel Finish Coats For Tanks *(09 97 13 24-0022)*		
		Note: Installed over existing primer.		
09 97 13 24-0093	SF	Spray Small Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.89	
		For Up To 100, Add	*1.06*	
		For >100 To 250, Add	*0.51*	
		For >250 To 500, Add	*0.22*	
09 97 13 24-0094	SF	Spray Large Vessel/Tank Two 1.5 Mil Vinyl Enamel Finish Coats	1.66	
		For Up To 100, Add	*0.89*	
		For >100 To 250, Add	*0.43*	
		For >250 To 500, Add	*0.19*	
09 97 13 24-0095	SF	Spray Tank Interior Two 1.5 Mil Vinyl Enamel Finish Coats	2.66	
		For Up To 100, Add	*1.64*	
		For >100 To 250, Add	*0.78*	
		For >250 To 500, Add	*0.34*	
09 97 13 24-0096		One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat For Tanks *(09 97 13 24-0022)*		
09 97 13 24-0097	SF	Spray/Mop Large Vessel/Tank One 1 Mil Primer And 95 Mil Hot Coal Tar Enamel Finish Coat	7.04	
		For Up To 100, Add	*4.55*	
		For >100 To 250, Add	*2.16*	
		For >250 To 500, Add	*0.93*	
09 97 26		**Cementitious Coatings** *(09 97)*		
09 97 26 13		**Interior Cementitious Coatings** *(09 97 26)*		
09 97 26 13-0001		Ceramic-Like Glazed Coating *(09 97 26 13)*		
09 97 26 13-0002		Ceramic-Like Glazed Coating, Cementitious *(09 97 26 13-0001)*		
09 97 26 13-0003	SF	Ceramic-like Glazed Coating. - Cementitious	2.23	
09 97 26 13-0004		Ceramic-Like Glazed Coating, Resin Base *(09 97 26 13-0001)*		
09 97 26 13-0005	SF	Ceramic-like Glazed Coating - Resin	1.86	
09 97 35		**Dry Erase Coatings** *(09 97)*		
09 97 35 00-0001		Dry-Erase Paint *(09 97 35)*		
09 97 35 00-0002		Dry-Erase Paint (IdeaPaint™ PRO) *(09 97 35 00-0001)*		
09 97 35 00-0003	SF	Dry-Erase Paint (IdeaPaint™ PRO), Applied With Roller	8.48	
		Note: Includes two coats of primer and white, white sand, light beige or light gray surface.		
09 97 35 00-0004		Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE) *(09 97 35 00-0001)*		
09 97 35 00-0005	SF	Clear, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	4.63	
		Note: For application over existing latex-based top coats.		
09 97 35 00-0006	SF	Black Or White, Low VOC/Odorless, Dry-Erase Paint (IdeaPaint™ CREATE), Applied With Roller	9.04	
		Note: Includes two coats of primer and white or black surface coat.		
09 97 63		**Special Coatings and Protection Systems** *(09 97)*		
09 97 63 00-0001		Acrylic Glazed Coating *(09 97 63)*		
09 97 63 00-0002	SF	Acrylic Glazed Coating	1.44	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 Specialties

10 01 Operation and Maintenance of Specialties *(10)*

10 01 40 Operation and Maintenance of Safety Specialties *(10 01)*

10 01 40 00-0001 Recharge Existing Portable Fire Extinguishers *(10 01 40)*
Note: Includes removal, filling, testing, certification and reinstallation.

10 01 40 00-0002 Recharge Carbon Dioxide, Class BC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0003	EA	Recharge 2.5 LB Carbon Dioxide Portable Fire Extinguisher	11.43	
10 01 40 00-0004	EA	Recharge 5 LB Carbon Dioxide Portable Fire Extinguisher	12.70	
10 01 40 00-0005	EA	Recharge 10 LB Carbon Dioxide Portable Fire Extinguisher	13.21	
10 01 40 00-0006	EA	Recharge 15 LB Carbon Dioxide Portable Fire Extinguisher	14.95	
10 01 40 00-0007	EA	Recharge 20 LB Carbon Dioxide Portable Fire Extinguisher	17.27	

10 01 40 00-0008 Recharge Dry Chemical, Class ABC Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0009	EA	Recharge 2.5 LB Dry Chemical Portable Fire Extinguisher	13.79	
10 01 40 00-0010	EA	Recharge 5 LB Dry Chemical Portable Fire Extinguisher	16.69	
10 01 40 00-0011	EA	Recharge 10 LB Dry Chemical Portable Fire Extinguisher	23.59	
10 01 40 00-0012	EA	Recharge 20 LB Dry Chemical Portable Fire Extinguisher	37.23	

10 01 40 00-0013 Recharge Other Portable Fire Extinguishers *(10 01 40 00-0001)*

10 01 40 00-0014	EA	Recharge 2.5 Gallon Pressurized Water Portable Fire Extinguisher	13.64	
10 01 40 00-0015	EA	Recharge 1.6 Gallon Wet Chemical Class K Fire Extinguisher	97.26	
10 01 40 00-0016	EA	Recharge 2.5 Gallon Wet Chemical Class K Fire Extinguisher	136.16	
10 01 40 00-0017	EA	Recharge 30 LB Dry Powder Class D Portable Fire Extinguisher	56.06	

10 01 50 Operation and Maintenance of Storage Specialties *(10 01)*

10 01 50 11 Operation and Maintenance of Storage Specialties ***(10 01 50)***

10 01 50 11-0001 Locker Repair And Refinishing *(10 01 50 11)*

10 01 50 11-0002	EA	Removal And Replacement Of Single Tier Locker Door	298.53	
10 01 50 11-0003	EA	Removal And Replacement Of Two Tier Locker Door	234.76	
10 01 50 11-0004	EA	Removal And Replacement Of Three Tier Locker Door	201.22	
10 01 50 11-0005	EA	Removal And Replacement Of Four Tier Locker Door	169.77	
10 01 50 11-0006	EA	Removal And Replacement Of Six Tier Or Sixteen Person Locker Door	94.08	
10 01 50 11-0007	EA	Realign Metal Locker Door For Proper Closure	41.01	
10 01 50 11-0008	EA	Patch Small Drill Holes in Locker	8.20	

10 10 Information Specialties *(10)*

10 11 Visual Display Units *(10 10)*

10 11 13 Chalkboards ***(10 11)***

10 11 13 13 Fixed Chalkboards ***(10 11 13)***
Note: Select task based off the square footage of an individual chalkboard. For example use the >12 To 16 SF range for each 3' x 5' chalkboard.

10 11 13 13-0001 Porcelain Enamel Steel Chalkboards *(10 11 13 13)*

10 11 13 13-0002 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 800 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	38.29	7.90
10 11 13 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	24.14	3.72
10 11 13 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	20.87	3.21
10 11 13 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	17.17	2.09
10 11 13 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	14.21	1.16

10 11 13 13-0008 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboards (Claridge 1300 Series) *(10 11 13 13-0001)*
Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, chalk tray and mounting hardware.

10 11 13 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	40.38	7.90
10 11 13 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	26.18	3.72
10 11 13 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	22.74	3.21
10 11 13 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	19.44	2.09
10 11 13 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Chalkboard	16.44	1.16

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 13-0014		**1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboards (Claridge 1600 Series)** *(10 11 13 13-0001)*		
		Note: Includes up to 1/2" core material, aluminum backing, chalk tray and mounting hardware.		
10 11 13 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	37.00	7.90
10 11 13 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	22.83	3.72
10 11 13 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	19.61	3.21
10 11 13 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	16.12	2.09
10 11 13 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Chalkboard	13.04	1.16
10 11 13 13-0020		**Remove And Reinstall Chalkboards** *(10 11 13 13)*		
10 11 13 13-0021	SF	Removal And Reinstallation Of Chalkboard	9.66	
10 11 13 13-0022		**Field Applied Chalkboard And Accessories** *(10 11 13 13)*		
10 11 13 13-0023		**Chalkboard Face Sheets And Panels** *(10 11 13 13-0022)*		
10 11 13 13-0024	SF	Porcelain Enamel Steel Chalkboard Face Sheet (Claridge Vitracite)	12.97	3.72
		Note: Includes porcelain enamel steel chalkboard skin.		
10 11 13 13-0025	SF	Porcelain Enamel Steel Chalkboard Panel (Claridge VIT)	15.29	3.72
		Note: Includes porcelain enamel steel surface mounted on either particle board or hardboard core with an aluminum moisture barrier back.		
10 11 13 13-0026		**Chalkboard And Markerboard Accessory Trays And Trim** *(10 11 13 13-0022)*		
10 11 13 13-0027	LF	Chalk And Marker Tray, Field Applied	15.12	5.11
10 11 13 13-0028	PR	Chalk And Marker Tray End Closures, Field Applied	22.32	9.29
10 11 13 13-0029	LF	Mullion Trim For Chalkboards And Markerboards, Field Applied	11.84	5.11
10 11 13 13-0030	LF	Screw On Trim For Chalkboards And Markerboards, Field Applied	12.09	5.11
10 11 13 13-0031	LF	1/2" Leg Map Rail For Chalkboards And Markerboards, Field Applied	12.85	5.11
10 11 13 13-0032	LF	1/4" Leg Map Rail For Chalkboards And Markerboards, Field Applied	13.48	5.11
10 11 13 13-0033	LF	No Leg Map Rail For Chalkboards And Markerboards, Field Applied	12.49	5.11
10 11 13 33		**Rail-Mounted Chalkboards** *(10 11 13)*		
10 11 13 33-0001		**Horizontal Sliding, Porcelain Enamel Steel Chalkboards (Claridge HS Series)** *(10 11 13 33)*		
10 11 13 33-0002		**Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0001)*		
10 11 13 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	1,693.37	92.91
10 11 13 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	1,898.24	92.91
10 11 13 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,148.34	98.94
10 11 13 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,386.37	98.94
10 11 13 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,969.28	106.37
10 11 13 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,159.15	106.37
10 11 13 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,567.26	111.48
10 11 13 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,038.58	111.48
10 11 13 33-0011		**Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0001)*		
10 11 13 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,304.47	92.91
10 11 13 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,728.82	92.91
10 11 13 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,121.05	98.94
10 11 13 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,510.66	98.94
10 11 13 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,000.41	106.37
10 11 13 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,172.12	106.37
10 11 13 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,888.93	111.48
10 11 13 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,462.10	111.48
10 11 13 33-0020		**Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0001)*		
10 11 13 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,565.01	92.91
10 11 13 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	2,911.99	92.91
10 11 13 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,289.22	98.94
10 11 13 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	3,687.52	98.94
10 11 13 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,461.50	106.37
10 11 13 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	4,644.26	106.37
10 11 13 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	5,480.29	111.48
10 11 13 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Chalkboard	6,114.70	111.48
10 11 13 33-0029		**Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge TW Series)** *(10 11 13 33)*		
10 11 13 33-0030		**One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboards** *(10 11 13 33-0029)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 13 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,019.04	92.91
10 11 13 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,225.48	92.91
10 11 13 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,432.95	98.94
10 11 13 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,791.37	98.94
10 11 13 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,057.27	106.37
10 11 13 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,388.05	106.37

10 11 13 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*

10 11 13 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	2,949.04	92.91
10 11 13 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,269.56	92.91
10 11 13 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	3,592.68	98.94
10 11 13 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,182.40	98.94
10 11 13 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,551.69	106.37
10 11 13 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,086.93	106.37

10 11 13 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0029)*

10 11 13 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,017.21	92.91
10 11 13 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,454.17	92.91
10 11 13 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	4,893.73	98.94
10 11 13 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	5,713.96	98.94
10 11 13 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,196.12	106.37
10 11 13 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,950.03	106.37

10 11 13 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards (Claridge MO Series) *(10 11 13 33)*

Note: Excludes remotes.

10 11 13 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*

10 11 13 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,454.48	185.81
10 11 13 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,637.33	185.81
10 11 13 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	6,842.85	191.62
10 11 13 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,177.77	191.62
10 11 13 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,549.57	197.42
10 11 13 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	7,872.65	197.42
10 11 13 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,578.97	209.03
10 11 13 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	8,668.34	209.03

10 11 13 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*

10 11 13 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,122.95	185.81
10 11 13 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,364.70	185.81
10 11 13 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	10,636.22	191.62
10 11 13 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,128.42	191.62
10 11 13 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	11,619.60	197.42
10 11 13 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	12,087.32	197.42
10 11 13 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,040.13	209.03
10 11 13 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,181.77	209.03

10 11 13 33-0070 Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboards *(10 11 13 33-0051)*

10 11 13 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,135.32	185.81
10 11 13 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	13,745.47	185.81
10 11 13 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,070.36	191.62
10 11 13 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	14,710.36	191.62
10 11 13 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	15,384.87	197.42
10 11 13 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	16,031.97	197.42
10 11 13 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,311.80	209.03
10 11 13 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Chalkboard	17,560.98	209.03

10 11 13 33-0079 Sliding Chalkboard And Markerboard Accessories *(10 11 13 33)*

10 11 13 33-0080	EA	One Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	482.22
10 11 13 33-0081	EA	Two Sliding Panel, Remote Control For Motor Operated Sliding Chalkboard Or Markerboard	822.51

10 11 16 Markerboards *(10 11)*

10 11 16 13 Fixed Markerboards *(10 11 16)*

Note: Select task based off the square footage of an individual markerboard. For example use the >12 To 16 SF range for each 3' x 5' markerboard.

10 11 16 13-0001 Porcelain Enamel Steel Markerboards *(10 11 16 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0002		**5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 800 Series)** *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0003	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	38.42	7.90
10 11 16 13-0004	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	24.60	3.72
10 11 16 13-0005	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	20.87	3.21
10 11 16 13-0006	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	17.34	2.09
10 11 16 13-0007	SF	>24 SF, 5/8" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	14.03	1.16
10 11 16 13-0008		**1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboards (Claridge 1300 Series)** *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0009	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	40.41	7.90
10 11 16 13-0010	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	25.19	3.72
10 11 16 13-0011	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	21.76	3.21
10 11 16 13-0012	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	18.46	2.09
10 11 16 13-0013	SF	>24 SF, 1-1/4" Face Aluminum Frame, Porcelain Enamel Steel Markerboard	15.86	1.16
10 11 16 13-0014		**1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboards (Claridge LCS Series)** *(10 11 16 13-0001)* Note: Includes up to 1/2" core material, aluminum backing, marker tray and mounting hardware.		
10 11 16 13-0015	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	36.99	7.90
10 11 16 13-0016	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	22.83	3.72
10 11 16 13-0017	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	20.57	3.21
10 11 16 13-0018	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	16.22	2.09
10 11 16 13-0019	SF	>24 SF, 1-3/4" Face Wood Frame, Porcelain Enamel Steel Markerboard	12.81	1.16
10 11 16 13-0020		**Melamine Markerboards** *(10 11 16 13)*		
10 11 16 13-0021		**1-1/4" Face Aluminum Frame, Melamine Markerboard (Claridge MLC Series)** *(10 11 16 13-0020)* Note: Includes full length map rail, map hooks, marker tray and mounting hardware.		
10 11 16 13-0022	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	30.92	7.90
10 11 16 13-0023	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	18.65	3.72
10 11 16 13-0024	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	16.18	3.21
10 11 16 13-0025	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	12.08	2.09
10 11 16 13-0026	SF	>24 SF, 1-1/4" Face Aluminum Frame, Melamine Markerboard	9.65	1.16
10 11 16 13-0027		**1-3/4" Face Wood Frame, Melamine Markerboard (Claridge MLC Series)** *(10 11 16 13-0020)* Note: Includes marker tray and mounting hardware.		
10 11 16 13-0028	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	30.25	7.90
10 11 16 13-0029	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	18.34	3.72
10 11 16 13-0030	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	15.74	3.21
10 11 16 13-0031	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	11.29	2.09
10 11 16 13-0032	SF	>24 SF, 1-3/4" Face Wood Frame, Melamine Markerboard	8.93	1.16
10 11 16 13-0033		**Nonporous, Non-Staining Markerboards** *(10 11 16 13)*		
10 11 16 13-0034		**5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)** *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0035	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	38.47	7.90
		For Magnetic Surface, Add	*2.27*	
10 11 16 13-0036	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.68	3.72
		For Magnetic Surface, Add	*1.73*	
10 11 16 13-0037	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	21.29	3.21
		For Magnetic Surface, Add	*1.49*	
10 11 16 13-0038	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	18.48	2.09
		For Magnetic Surface, Add	*1.43*	
10 11 16 13-0039	SF	>24 SF, 5/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	15.65	1.16
		For Magnetic Surface, Add	*1.33*	
10 11 16 13-0040		**1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series)** *(10 11 16 13-0033)* Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.		
10 11 16 13-0041	SF	Up To 6 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	38.47	7.90
		For Magnetic Surface, Add	*2.27*	
10 11 16 13-0042	SF	>6 To 12 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	24.68	3.72
		For Magnetic Surface, Add	*1.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 13-0043	SF	>12 To 16 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	21.29	3.21
		For Magnetic Surface, Add	*1.49*	
10 11 16 13-0044	SF	>16 To 24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	18.48	2.09
		For Magnetic Surface, Add	*1.43*	
10 11 16 13-0045	SF	>24 SF, 1-1/8" Face Aluminum Frame, Nonporous, Non-Staining Markerboard	15.65	1.16
		For Magnetic Surface, Add	*1.33*	

10 11 16 13-0046 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboards (EverWhite Classic Series) *(10 11 16 13-0033)*

Note: Includes non-staining permanent marker resistant surface, non-magnetic surface, marker tray and mounting hardware.

10 11 16 13-0047	SF	Up To 6 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	66.56	7.90
		For Magnetic Surface, Add	*5.08*	
10 11 16 13-0048	SF	>6 To 12 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	41.57	3.72
		For Magnetic Surface, Add	*3.41*	
10 11 16 13-0049	SF	>12 To 16 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	35.15	3.21
		For Magnetic Surface, Add	*2.87*	
10 11 16 13-0050	SF	>16 To 24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	29.44	2.09
		For Magnetic Surface, Add	*2.53*	
10 11 16 13-0051	SF	>24 SF, 1-1/4" Face Wood Frame, Nonporous, Non-Staining Markerboard	22.65	1.16
		For Magnetic Surface, Add	*2.03*	

10 11 16 13-0052 Nonporous, Non-Staining Markerboard Resurfacing Panels (EverWhite EverEZ Resurfacing Panels) *(10 11 16 13-0033)*

Note: Includes non-staining, permanent marker resistant, magnetic dry erase surface. Excludes frame. Resurfacing panel for mounting to existing chalkboard or markerboard consists of dry erase surface, 24-gauge treated steel interlayer and pressure-sensitive adhesive backing.

10 11 16 13-0053	SF	Up To 16 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	17.13	3.21
10 11 16 13-0054	SF	>16 To 24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	14.35	2.09
10 11 16 13-0055	SF	>24 SF, Nonporous, Non-Staining Markerboard Resurfacing Panel With Pressure-Sensitive Adhesive Backing	11.79	1.16

10 11 16 13-0056 Remove And Reinstall Markerboard *(10 11 16 13)*

10 11 16 13-0057	EA	Up To 6 SF, Removal And Reinstallation Of Markerboard	55.74	
10 11 16 13-0058	EA	>6 To 12 SF, Removal And Reinstallation Of Markerboard	65.03	
10 11 16 13-0059	EA	>12 To 16 SF, Removal And Reinstallation Of Markerboard	74.33	
10 11 16 13-0060	EA	>16 To 24 SF, Removal And Reinstallation Of Markerboard	83.61	
10 11 16 13-0061	EA	>24 SF, Removal And Reinstallation Of Markerboard	92.91	

10 11 16 13-0062 Field Applied Markerboard And Accessories *(10 11 16 13)*

10 11 16 13-0063 Markerboard Face Sheets And Panels *(10 11 16 13-0062)*

10 11 16 13-0064	SF	Porcelain Enamel Steel Markerboard Face Sheet (Claridge LCS) Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	12.78	3.72
10 11 16 13-0065	SF	Porcelain Enamel Steel Markerboard Face Sheet With Double Sided Tape (Claridge LCS EZ Stick) Note: Includes porcelain enamel steel markerboard skin backed with double sided tape.	14.87	3.72
10 11 16 13-0066	SF	Porcelain Enamel Steel Markerboard Panel (Claridge LCS) Note: Includes porcelain enamel steel surface mounted on either 3/8" particle board or 1/4" hardboard core with an aluminum moisture barrier back.	14.82	3.72
10 11 16 13-0067	SF	Melamine Markerboard Panel (Claridge 1032) Note: Includes 1/4" thick melamine panel.	9.01	3.72

10 11 16 13-0068 Chalkboard And Markerboard Accessory Trays And Trim *(10 11 16 13-0062)*

See CSI section 10 11 13 13-0026 for chalkboard and markerboard accessory trays and trim.

10 11 16 33 Rail-Mounted Markerboards *(10 11 16)*

10 11 16 33-0001 Horizontal Sliding, Porcelain Enamel Steel Markerboards (Claridge HS Series) *(10 11 16 33)*

10 11 16 33-0002 Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0003	EA	4' x 6' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	1,673.28	92.91
10 11 16 33-0004	EA	4' x 8' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	1,871.46	92.91
10 11 16 33-0005	EA	4' x 10' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,114.87	98.94
10 11 16 33-0006	EA	4' x 12' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,346.20	98.94
10 11 16 33-0007	EA	4' x 14' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,922.42	106.37
10 11 16 33-0008	EA	4' x 16' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,105.59	106.37
10 11 16 33-0009	EA	4' x 20' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,500.31	111.48
10 11 16 33-0010	EA	4' x 24' Frame, Two Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,958.24	111.48

10 11 16 33-0011 Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0012	EA	4' x 6' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,284.38	92.91
10 11 16 33-0013	EA	4' x 8' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,702.04	92.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0014	EA	4' x 10' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,087.57	98.94
10 11 16 33-0015	EA	4' x 12' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,470.49	98.94
10 11 16 33-0016	EA	4' x 14' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,953.54	106.37
10 11 16 33-0017	EA	4' x 16' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,118.55	106.37
10 11 16 33-0018	EA	4' x 20' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,821.98	111.48
10 11 16 33-0019	EA	4' x 24' Frame, Three Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,381.76	111.48

10 11 16 33-0020 Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0001)*

10 11 16 33-0021	EA	4' x 6' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,544.93	92.91
10 11 16 33-0022	EA	4' x 8' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	2,885.21	92.91
10 11 16 33-0023	EA	4' x 10' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,255.74	98.94
10 11 16 33-0024	EA	4' x 12' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	3,647.35	98.94
10 11 16 33-0025	EA	4' x 14' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,414.63	106.37
10 11 16 33-0026	EA	4' x 16' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	4,590.69	106.37
10 11 16 33-0027	EA	4' x 20' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	5,413.34	111.48
10 11 16 33-0028	EA	4' x 24' Frame, Four Sliding Panels, Horizontal Sliding, Porcelain Enamel Steel Markerboard	6,054.44	111.48

10 11 16 33-0029 Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge TW Series) *(10 11 16 33)*

10 11 16 33-0030 One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

10 11 16 33-0031	EA	8' x 4' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	1,992.25	92.91
10 11 16 33-0032	EA	8' x 5' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,192.01	92.91
10 11 16 33-0033	EA	8' x 6' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,392.78	98.94
10 11 16 33-0034	EA	8' x 8' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,737.81	98.94
10 11 16 33-0035	EA	8' x 10' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,990.32	106.37
10 11 16 33-0036	EA	8' x 12' Frame, One Sliding Panel, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,307.71	106.37

10 11 16 33-0037 Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

10 11 16 33-0038	EA	8' x 4' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	2,895.48	92.91
10 11 16 33-0039	EA	8' x 5' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,202.60	92.91
10 11 16 33-0040	EA	8' x 6' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,512.34	98.94
10 11 16 33-0041	EA	8' x 8' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,075.27	98.94
10 11 16 33-0042	EA	8' x 10' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,417.79	106.37
10 11 16 33-0043	EA	8' x 12' Frame, Two Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,926.24	106.37

10 11 16 33-0044 Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0029)*

10 11 16 33-0045	EA	8' x 4' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	3,936.87	92.91
10 11 16 33-0046	EA	8' x 5' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,353.74	92.91
10 11 16 33-0047	EA	8' x 6' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	4,773.22	98.94
10 11 16 33-0048	EA	8' x 8' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,553.27	98.94
10 11 16 33-0049	EA	8' x 10' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	5,995.27	106.37
10 11 16 33-0050	EA	8' x 12' Frame, Three Sliding Panels, Vertical Sliding, Porcelain Enamel Steel Markerboard	6,709.00	106.37

10 11 16 33-0051 Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards (Claridge MO Series) *(10 11 16 33)*

Note: Excludes remotes.

10 11 16 33-0052 One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*

10 11 16 33-0053	EA	10' x 4' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	6,421.00	185.81
10 11 16 33-0054	EA	10' x 5' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	6,595.48	185.81
10 11 16 33-0055	EA	10' x 6' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	6,792.63	191.62
10 11 16 33-0056	EA	10' x 8' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,110.82	191.62
10 11 16 33-0057	EA	10' x 10' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,465.88	197.42
10 11 16 33-0058	EA	10' x 12' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	7,772.22	197.42
10 11 16 33-0059	EA	10' x 14' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,461.80	209.03
10 11 16 33-0060	EA	10' x 16' Frame, One Sliding Panel, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	8,534.44	209.03

10 11 16 33-0061 Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*

10 11 16 33-0062	EA	10' x 4' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,056.00	185.81
10 11 16 33-0063	EA	10' x 5' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,281.01	185.81
10 11 16 33-0064	EA	10' x 6' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,535.80	191.62
10 11 16 33-0065	EA	10' x 8' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	10,994.51	191.62
10 11 16 33-0066	EA	10' x 10' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,452.22	197.42
10 11 16 33-0067	EA	10' x 12' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	11,886.46	197.42
10 11 16 33-0068	EA	10' x 14' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,805.80	209.03
10 11 16 33-0069	EA	10' x 16' Frame, Two Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	12,913.96	209.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 16 33-0070		Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboards *(10 11 16 33-0051)*		
10 11 16 33-0071	EA	10' x 4' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,034.89	185.81
10 11 16 33-0072	EA	10' x 5' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,619.93	185.81
10 11 16 33-0073	EA	10' x 6' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	13,919.72	191.62
10 11 16 33-0074	EA	10' x 8' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	14,509.50	191.62
10 11 16 33-0075	EA	10' x 10' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,133.80	197.42
10 11 16 33-0076	EA	10' x 12' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	15,730.68	197.42
10 11 16 33-0077	EA	10' x 14' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	16,960.30	209.03
10 11 16 33-0078	EA	10' x 16' Frame, Three Sliding Panels, Motor Operated Vertical Sliding, Porcelain Enamel Steel Markerboard	17,159.26	209.03
10 11 16 33-0079		Sliding Chalkboard And Markerboard Accessories *(10 11 16 33)*		
		See CSI section 10 11 13 33-0079 for sliding chalkboard and markerboard accessories.		
10 11 23		**Tackboards** *(10 11)*		
10 11 23 13		**Fixed Tackboards** *(10 11 23)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0001		Fixed Tackboards *(10 11 23 13)*		
		Note: Select task based off the square footage of an individual tackboard. For example use the >12 To 16 SF range for each 3' x 5' tackboard.		
10 11 23 13-0002		Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes up to 1/4" cork surface, unmounted or mounted on duracore or hardboard.		
10 11 23 13-0003		5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0002)*		
10 11 23 13-0004	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	26.38	7.90
10 11 23 13-0005	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	14.80	3.72
10 11 23 13-0006	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.82	3.21
10 11 23 13-0007	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	10.10	2.09
10 11 23 13-0008	SF	>24 SF, 5/8" Face Aluminum Frame, Cork Surface, Fixed Tackboard	8.09	1.16
10 11 23 13-0009		1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboards (Claridge 900A Series) *(10 11 23 13-0002)*		
10 11 23 13-0010	SF	Up To 6 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	27.63	7.90
10 11 23 13-0011	SF	>6 To 12 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	15.38	3.72
10 11 23 13-0012	SF	>12 To 16 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	12.53	3.21
10 11 23 13-0013	SF	>16 To 24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	9.64	2.09
10 11 23 13-0014	SF	>24 SF, 1-1/4" Face Aluminum Frame, Cork Surface, Fixed Tackboard	7.37	1.16
10 11 23 13-0015		1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0002)*		
10 11 23 13-0016	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	27.76	7.90
10 11 23 13-0017	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	16.59	3.72
10 11 23 13-0018	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	15.29	3.21
10 11 23 13-0019	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	11.65	2.09
10 11 23 13-0020	SF	>24 SF, 1-3/4" Face Wood Frame, Cork Surface, Fixed Tackboard	9.06	1.16
10 11 23 13-0021		Burlap Backed Cork Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes burlap backed 1/4" self healing cork surface, unmounted or mounted on hardboard.		
10 11 23 13-0022		5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0021)*		
10 11 23 13-0023	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	30.00	7.90
10 11 23 13-0024	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	19.14	3.72
10 11 23 13-0025	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.41	3.21
10 11 23 13-0026	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	14.71	2.09
10 11 23 13-0027	SF	>24 SF, 5/8" Face Aluminum Frame, Burlap Backed Cork Surface, Fixed Tackboard	12.78	1.16
10 11 23 13-0028		1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0021)*		
10 11 23 13-0029	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	33.03	7.90
10 11 23 13-0030	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	22.37	3.72
10 11 23 13-0031	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	20.67	3.21
10 11 23 13-0032	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	17.08	2.09
10 11 23 13-0033	SF	>24 SF, 1-3/4" Face Wood Frame, Burlap Backed Cork Surface, Fixed Tackboard	14.51	1.16
10 11 23 13-0034		Polyester Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)*		
		Note: Includes polyester fabric on cork underlay, unmounted or mounted on duracore. Class A rating.		
10 11 23 13-0035		5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0034)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 11 23 13-0036	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	27.24	7.90
10 11 23 13-0037	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	15.85	3.72
10 11 23 13-0038	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	14.01	3.21
10 11 23 13-0039	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	11.32	2.09
10 11 23 13-0040	SF	>24 SF, 5/8" Face Aluminum Frame, Polyester Fabric Surface, Fixed Tackboard	9.18	1.16

10 11 23 13-0041 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0034)*

10 11 23 13-0042	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	28.95	7.90
10 11 23 13-0043	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	18.07	3.72
10 11 23 13-0044	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	16.67	3.21
10 11 23 13-0045	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	13.16	2.09
10 11 23 13-0046	SF	>24 SF, 1-3/4" Face Wood Frame, Polyester Fabric Surface, Fixed Tackboard	10.63	1.16

10 11 23 13-0047 Vinyl Fabric Surface, Fixed Tackboards *(10 11 23 13-0001)*

Note: Includes vinyl fabric on cork underlay, unmounted or mounted on duracore.

10 11 23 13-0048 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 800 Series) *(10 11 23 13-0047)*

10 11 23 13-0049	SF	Up To 6 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	26.38	7.90
10 11 23 13-0050	SF	>6 To 12 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	14.86	3.72
10 11 23 13-0051	SF	>12 To 16 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	12.92	3.21
10 11 23 13-0052	SF	>16 To 24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	10.10	2.09
10 11 23 13-0053	SF	>24 SF, 5/8" Face Aluminum Frame, Vinyl Fabric Surface, Fixed Tackboard	7.95	1.16

10 11 23 13-0054 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboards (Claridge 700 Series) *(10 11 23 13-0047)*

10 11 23 13-0055	SF	Up To 6 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	27.76	7.90
10 11 23 13-0056	SF	>6 To 12 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	17.21	3.72
10 11 23 13-0057	SF	>12 To 16 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	15.29	3.21
10 11 23 13-0058	SF	>16 To 24 SF, 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	11.65	2.09
10 11 23 13-0059	SF	4' x 8', 1-3/4" Face Wood Frame, Vinyl Fabric Surface, Fixed Tackboard	9.06	1.16

10 12 Display Cases *(10 10)*

10 12 00 00-0001 Counter Display Cases *(10 12)*

10 12 00 00-0002	EA	30" x 12" x 36" Counter Display Cases	1,112.13	142.33
10 12 00 00-0003	EA	30" x 12" x 48" Counter Display Cases	1,196.28	142.33
10 12 00 00-0004	EA	30" x 18" x 36" Counter Display Cases	1,162.01	142.33
10 12 00 00-0005	EA	30" x 18" x 48" Counter Display Cases	1,120.14	63.26

10 12 00 00-0006 Upright Display Case *(10 12)*

10 12 00 00-0007	EA	72 In x 20 In x 70 In Upright Display Case	2,253.62	142.33

10 12 00 00-0008 Full Vision Display Case *(10 12)*

10 12 00 00-0009	EA	38 In x 20 In x 70 In Full Vision Display Case	1,492.60	142.33

10 13 Directories *(10 10)*

10 13 11 Directory and Bulletin Boards *(10 13)*

Note: Select task based off the square footage of an individual directory or bulletin board. For example use the >12 To 16 SF range for each 3' x 5' directory or bulletin board.

10 13 11 00-0001 Wall Mounted Directories *(10 13 11)*

Note: Includes changeable letters.

10 13 11 00-0002 Open Face, Wall Mounted Directories *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel.

10 13 11 00-0003 Wood Frame, Open Face, Wall Mounted Directories (Claridge 350 Series) *(10 13 11 00-0002)*

10 13 11 00-0004	SF	Up To 6 SF, Wood Frame, Open Face, Wall Mounted Directory	42.37	7.90
10 13 11 00-0005	SF	>6 To 12 SF, Wood Frame, Open Face, Wall Mounted Directory	27.37	3.72
10 13 11 00-0006	SF	>12 To 16 SF, Wood Frame, Open Face, Wall Mounted Directory	24.83	3.21
10 13 11 00-0007	SF	>16 To 24 SF, Wood Frame, Open Face, Wall Mounted Directory	18.88	2.09
10 13 11 00-0008	SF	>24 SF, Wood Frame, Open Face, Wall Mounted Directory	14.95	1.16

10 13 11 00-0009 Aluminum Frame, Open Face, Wall Mounted Directories (Claridge 432 Series) *(10 13 11 00-0002)*

10 13 11 00-0010	SF	Up To 6 SF, Aluminum Frame, Open Face, Wall Mounted Directory	42.77	7.90
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0011	SF	>6 To 12 SF, Aluminum Frame, Open Face, Wall Mounted Directory	27.63	3.72
		For Bronze Anodize Finish, Add	*12.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0012	SF	>12 To 16 SF, Aluminum Frame, Open Face, Wall Mounted Directory	25.36	3.21
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0013	SF	>16 To 24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	18.03	2.09
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0014	SF	>24 SF, Aluminum Frame, Open Face, Wall Mounted Directory	15.35	1.16
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0015 Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0016 Wood Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0017 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 3052 Series) *(10 13 11 00-0016)*

10 13 11 00-0018	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	101.72	7.90
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0019	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	80.92	3.72
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0020	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	67.80	3.21
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0021	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	62.57	2.09
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0022	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	56.40	1.16
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0023 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge 345 Series) *(10 13 11 00-0016)*

10 13 11 00-0024	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	87.77	7.90
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0025	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	69.99	3.21
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0026	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	50.14	2.09
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0027	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Directory Cabinet	44.95	1.16
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0028 Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0015)*

10 13 11 00-0029 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0030	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	91.26	7.90
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.09*	
10 13 11 00-0031	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	70.07	3.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.53*	
10 13 11 00-0032	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	59.32	3.21
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.58*	
10 13 11 00-0033	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	43.53	2.09
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*7.87*	
10 13 11 00-0034	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	40.42	1.16
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*7.62*	

10 13 11 00-0035 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinets (Claridge Contemporary Series) *(10 13 11 00-0028)*

10 13 11 00-0036	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	139.55	7.90
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*24.75*	
10 13 11 00-0037	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	80.87	3.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*14.69*	
10 13 11 00-0038	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	68.15	3.21
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0039	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	52.44	2.09
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.65*	
10 13 11 00-0040	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Directory Cabinet	48.32	1.16
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.20*	

10 13 11 00-0041 Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0001)*

Note: Includes vinyl or felt back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0042 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets *(10 13 11 00-0041)*

10 13 11 00-0043 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Directory Cabinets (Claridge 548 Series) *(10 13 11 00-0042)*

10 13 11 00-0044	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	137.11	7.90
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0045	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	91.20	3.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0046	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Directory Cabinet	88.52	3.21
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 13 11 00-0047 Wall Mounted Bulletin Boards *(10 13 11)*

10 13 11 00-0048 Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0049 Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0050 Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 3070 Series) *(10 13 11 00-0049)*

10 13 11 00-0051	SF	Up To 6 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	99.35	7.90
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0052	SF	>6 To 12 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	79.15	3.72
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0053	SF	>12 To 16 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	66.02	3.21
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0054	SF	>16 To 24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	60.89	2.09
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0055	SF	>24 SF, Hinged Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	55.61	1.16
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0056 Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge 310 Series) *(10 13 11 00-0049)*

10 13 11 00-0057	SF	Up To 12 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	83.56	7.90
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0058	SF	>12 To 16 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	65.99	3.21
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0059	SF	>16 To 24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	47.04	2.09
		For Fluorescent Lights, Add	*15.00*	
10 13 11 00-0060	SF	>24 SF, Sliding Door, Wood Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	42.59	1.16
		For Fluorescent Lights, Add	*15.00*	

10 13 11 00-0061 Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0048)*

10 13 11 00-0062 Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0063	SF	Up To 6 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	93.43	7.90
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.53*	
10 13 11 00-0064	SF	>6 To 12 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	72.24	3.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.96*	
10 13 11 00-0065	SF	>12 To 16 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	61.48	3.21
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*11.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 13 11 00-0066	SF	>16 To 24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	45.70	2.09
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*8.30*	
10 13 11 00-0067	SF	>24 SF, Hinged Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	42.59	1.16
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*8.05*	

10 13 11 00-0068 Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinets (Claridge Contemporary Series) *(10 13 11 00-0061)*

10 13 11 00-0069	SF	Up To 6 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	141.72	7.90
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*25.19*	
10 13 11 00-0070	SF	>6 To 12 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	83.03	3.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*15.12*	
10 13 11 00-0071	SF	>12 To 16 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	70.31	3.21
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*12.78*	
10 13 11 00-0072	SF	>16 To 24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	54.61	2.09
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*10.09*	
10 13 11 00-0073	SF	>24 SF, Sliding Door, Aluminum Frame, Glass Encased, Wall Mounted Bulletin Board Cabinet	50.48	1.16
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
		For Header Panel, Add	*9.63*	

10 13 11 00-0074 Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0047)*

Note: Includes cork, fabric or hook-fab back panel, 3/16" tempered glass and flat key tumbler lock. Surface or recess mounted.

10 13 11 00-0075 Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0074)*

10 13 11 00-0076 Hinged Door, Aluminum Frame, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinets *(10 13 11 00-0075)*

10 13 11 00-0077	SF	Up To 6 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	134.95	7.90
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0078	SF	>6 To 12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	89.03	3.72
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	
10 13 11 00-0079	SF	>12 SF, Hinged Door, Outdoor, Glass Encased, Wall Mounted Bulletin Board Cabinet	86.38	3.21
		For Fluorescent Lights, Add	*15.00*	
		For Bronze Anodize Finish, Add	*12.00*	

10 14 Signage *(10 10)*

Note: Where required, signage excludes electrical connection, disconnect, or terminations unless title states otherwise. See CSI section 26 05 19 16-0011 for electrical connection wiring, 26 05 83 00-0130 for terminations.

10 14 16 Plaques *(10 14)*

Note: Includes minimum 1/4" to 3/8" plaque with custom 1/4" raised lettering and emblem casting. Sizes one to four SF each.

10 14 16 00-0001 Metal Cased Plaque *(10 14 16)*

10 14 16 00-0002	SF	Bronze Cast Plaque With lettering Including Emblem Size 1-4 SF Each	532.55	23.21
		For >5 To 10, Deduct	*-57.65*	
		For >10 Each, Deduct	*-101.62*	
10 14 16 00-0003	SF	Aluminum Cast Plaque With lettering Including Emblem Size 1-4 SF Each	343.29	23.21
		For >5 To 10, Deduct	*-36.83*	
		For >10 Each, Deduct	*-61.88*	

10 14 16 00-0004 Metal Engraved Plaque, Etched *(10 14 16)*

10 14 16 00-0005	SF	Porcelainized Steel Engraved Plaque Including Emblem Size 1-4 SF Each	377.39	23.21
		For >5 To 10, Deduct	*-40.58*	
		For >10 Each, Deduct	*-69.04*	
10 14 16 00-0006	SF	Stainless Steel Engraved Plaque Including Emblem Size 1-4 SF Each	351.52	23.21
		For >5 To 10, Deduct	*-37.74*	
		For >10 Each, Deduct	*-63.60*	
10 14 16 00-0007	SF	Brass Engraved Plaque Including Emblem Size 1-4 SF Each	239.83	23.21
		For >5 To 10, Deduct	*-25.45*	
		For >10 Each, Deduct	*-40.15*	
10 14 16 00-0008	SF	Aluminum Engraved Plaque Including Emblem Size 1-4 SF Each	231.60	23.21
		For >5 To 10, Deduct	*-24.55*	
		For >10 Each, Deduct	*-38.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 16 00-0009		**Metal Built-Up Plaque** *(10 14 16)*		
10 14 16 00-0010	SF	Bronze Built-up Plaque	398.36	28.78
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-42.66*	
		For >10 Each, Deduct	*-70.89*	
10 14 16 00-0011	SF	Copper And Bronze Built-up Plaque	406.92	28.78
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-43.60*	
		For >10 Each, Deduct	*-72.69*	
10 14 16 00-0012	SF	Copper And Aluminum Built-up Plaque	382.96	28.78
		Note: Including Emblem Size 1-4 SF Each		
		For >5 To 10, Deduct	*-40.96*	
		For >10 Each, Deduct	*-67.65*	
10 14 16 00-0013	SF	Bronze Built-up Dedication Plaque	465.42	58.03
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-50.04*	
		For >10 Each, Deduct	*-84.97*	
10 14 16 00-0014	SF	Bronze Built-up Plaque	394.12	58.03
		Note: Including Raised Bronze Lettering		
		For >5 To 10, Deduct	*-42.19*	
		For >10 Each, Deduct	*-70.00*	
10 14 16 00-0015		**Metal Nameplate Plaques** *(10 14 16)*		
10 14 16 00-0016	SF	Cast Bronze Nameplate Plaque Including Emblem Size 1-4 SF Each	204.50	15.79
		For >5 To 10, Deduct	*-21.88*	
		For >10 Each, Deduct	*-36.13*	
10 14 16 00-0017	SF	Cast Aluminum Nameplate Plaque Including Emblem Size 1-4 SF Each	267.68	15.79
		For >5 To 10, Deduct	*-28.83*	
		For >10 Each, Deduct	*-49.40*	
10 14 16 00-0018	EA	1-1/2" x 6" Engraved Bronze Nameplate Including Emblem Size 1-4 SF Each	147.47	15.79
		For >5 To 10, Deduct	*-15.60*	
		For >10 Each, Deduct	*-24.16*	
10 14 16 00-0019	EA	1-1/2" x 6" Engraved Aluminum Nameplate Including Emblem Size 1-4 SF Each	132.47	15.79
		For >5 To 10, Deduct	*-13.95*	
		For >10 Each, Deduct	*-21.01*	
10 14 16 00-0020	SF	Bronze Built-up Plaque Including Raised Bronze Lettering (3' x 9")	383.93	58.03
		For >5 To 10, Deduct	*-41.07*	
		For >10 Each, Deduct	*-67.86*	
10 14 19		**Dimensional Letter Signage** *(10 14)*		
		Note: Mounted on masonry or concrete.		
10 14 19 00-0001		**Cast Characters** *(10 14 19)*		
		Note: Any font.		
10 14 19 00-0002		**Satin Finish, Cast Aluminum Characters** *(10 14 19 00-0001)*		
10 14 19 00-0003	EA	2" High x 3/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	41.23	5.81
		For Installation With Adhesive, Deduct	*-4.38*	
		For Clear Anodized, Add	*1.80*	
		For Satin Face And Enameled Return, Add	*5.41*	
		For Patina Finish, Add	*7.21*	
		For Color Anodized, Add	*9.01*	
10 14 19 00-0004	EA	3" High x 1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	48.64	6.27
		For Installation With Adhesive, Deduct	*-4.94*	
		For Clear Anodized, Add	*2.36*	
		For Satin Face And Enameled Return, Add	*7.07*	
		For Patina Finish, Add	*9.42*	
		For Color Anodized, Add	*11.78*	
10 14 19 00-0005	EA	4" High x 5/8" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	53.26	6.73
		For Installation With Adhesive, Deduct	*-5.36*	
		For Clear Anodized, Add	*2.63*	
		For Satin Face And Enameled Return, Add	*7.90*	
		For Patina Finish, Add	*10.53*	
		For Color Anodized, Add	*13.17*	
10 14 19 00-0006	EA	5" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	61.13	7.71
		For Installation With Adhesive, Deduct	*-6.12*	
		For Clear Anodized, Add	*3.05*	
		For Satin Face And Enameled Return, Add	*9.15*	
		For Patina Finish, Add	*12.20*	
		For Color Anodized, Add	*15.25*	
10 14 19 00-0007	EA	6" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	67.15	8.12
		For Installation With Adhesive, Deduct	*-6.61*	
		For Clear Anodized, Add	*3.47*	
		For Satin Face And Enameled Return, Add	*10.40*	
		For Patina Finish, Add	*13.86*	
		For Color Anodized, Add	*17.33*	
10 14 19 00-0008	EA	8" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	80.11	9.28
		For Installation With Adhesive, Deduct	*-7.72*	
		For Clear Anodized, Add	*4.30*	
		For Satin Face And Enameled Return, Add	*12.89*	
		For Patina Finish, Add	*17.19*	
		For Color Anodized, Add	*21.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0009	EA	9" High x 3/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	88.90	9.75
		For Installation With Adhesive, Deduct	*-8.35*	
		For Clear Anodized, Add	*4.99*	
		For Satin Face And Enameled Return, Add	*14.97*	
		For Patina Finish, Add	*19.96*	
		For Color Anodized, Add	*24.95*	
10 14 19 00-0010	EA	10" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	101.38	10.45
		For Installation With Adhesive, Deduct	*-9.25*	
		For Clear Anodized, Add	*5.96*	
		For Satin Face And Enameled Return, Add	*17.88*	
		For Patina Finish, Add	*23.84*	
		For Color Anodized, Add	*29.80*	
10 14 19 00-0011	EA	12" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	123.13	12.07
		For Installation With Adhesive, Deduct	*-10.99*	
		For Clear Anodized, Add	*7.48*	
		For Satin Face And Enameled Return, Add	*22.45*	
		For Patina Finish, Add	*29.94*	
		For Color Anodized, Add	*37.42*	
10 14 19 00-0012	EA	14" High x 1" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	147.19	13.93
		For Installation With Adhesive, Deduct	*-12.93*	
		For Clear Anodized, Add	*9.15*	
		For Satin Face And Enameled Return, Add	*27.44*	
		For Patina Finish, Add	*36.59*	
		For Color Anodized, Add	*45.74*	
10 14 19 00-0013	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	161.72	15.48
		For Installation With Adhesive, Deduct	*-14.28*	
		For Clear Anodized, Add	*9.98*	
		For Satin Face And Enameled Return, Add	*29.94*	
		For Patina Finish, Add	*39.92*	
		For Color Anodized, Add	*49.90*	
10 14 19 00-0014	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	180.51	16.71
		For Installation With Adhesive, Deduct	*-15.71*	
		For Clear Anodized, Add	*11.37*	
		For Satin Face And Enameled Return, Add	*34.10*	
		For Patina Finish, Add	*45.46*	
		For Color Anodized, Add	*56.83*	
10 14 19 00-0015	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	218.43	18.57
		For Installation With Adhesive, Deduct	*-18.35*	
		For Clear Anodized, Add	*14.41*	
		For Satin Face And Enameled Return, Add	*43.24*	
		For Patina Finish, Add	*57.66*	
		For Color Anodized, Add	*72.07*	
10 14 19 00-0016	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	263.75	20.89
		For Installation With Adhesive, Deduct	*-21.54*	
		For Clear Anodized, Add	*18.02*	
		For Satin Face And Enameled Return, Add	*54.05*	
		For Patina Finish, Add	*72.07*	
		For Color Anodized, Add	*90.09*	
10 14 19 00-0017	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Aluminum Sign Letter/Character, Installed With Studs	317.39	23.21
		For Installation With Adhesive, Deduct	*-25.16*	
		For Clear Anodized, Add	*22.45*	
		For Satin Face And Enameled Return, Add	*67.36*	
		For Patina Finish, Add	*89.81*	
		For Color Anodized, Add	*112.27*	

10 14 19 00-0018 Satin Finish, Cast Bronze Characters *(10 14 19 00-0001)*

10 14 19 00-0019	EA	2" High x 3/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	50.20	6.39
		For Installation With Adhesive, Deduct	*-5.06*	
		For Oxidized Finish, Add	*3.70*	
		For Polished Or Patina Finish, Add	*7.40*	
10 14 19 00-0020	EA	3" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	71.32	6.96
		For Installation With Adhesive, Deduct	*-6.35*	
		For Oxidized Finish, Add	*6.52*	
		For Polished Or Patina Finish, Add	*13.04*	
10 14 19 00-0021	EA	4" High x 5/8" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	77.86	7.43
		For Installation With Adhesive, Deduct	*-6.86*	
		For Oxidized Finish, Add	*7.22*	
		For Polished Or Patina Finish, Add	*14.45*	
10 14 19 00-0022	EA	5" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	94.50	8.35
		For Installation With Adhesive, Deduct	*-8.07*	
		For Oxidized Finish, Add	*9.16*	
		For Polished Or Patina Finish, Add	*18.32*	
10 14 19 00-0023	EA	6" High x 1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	105.04	8.91
		For Installation With Adhesive, Deduct	*-8.83*	
		For Oxidized Finish, Add	*10.39*	
		For Polished Or Patina Finish, Add	*20.79*	
10 14 19 00-0024	EA	8" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	139.52	10.21
		For Installation With Adhesive, Deduct	*-11.06*	
		For Oxidized Finish, Add	*14.80*	
		For Polished Or Patina Finish, Add	*29.60*	
10 14 19 00-0025	EA	9" High x 3/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	158.98	10.68
		For Installation With Adhesive, Deduct	*-12.22*	
		For Oxidized Finish, Add	*17.44*	
		For Polished Or Patina Finish, Add	*34.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0026	EA	10" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	177.97	11.61
		For Installation With Adhesive, Deduct	*-13.54*	
		For Oxidized Finish, Add	*19.73*	
		For Polished Or Patina Finish, Add	*39.46*	
10 14 19 00-0027	EA	12" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	211.24	13.46
		For Installation With Adhesive, Deduct	*-15.95*	
		For Oxidized Finish, Add	*23.61*	
		For Polished Or Patina Finish, Add	*47.21*	
10 14 19 00-0028	EA	14" High x 1" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	248.03	15.32
		For Installation With Adhesive, Deduct	*-18.53*	
		For Oxidized Finish, Add	*28.01*	
		For Polished Or Patina Finish, Add	*56.02*	
10 14 19 00-0029	EA	15" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	293.92	18.57
		For Installation With Adhesive, Deduct	*-22.13*	
		For Oxidized Finish, Add	*32.94*	
		For Polished Or Patina Finish, Add	*65.89*	
10 14 19 00-0030	EA	16" High x 1-1/4" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	305.36	19.97
		For Installation With Adhesive, Deduct	*-23.25*	
		For Oxidized Finish, Add	*33.83*	
		For Polished Or Patina Finish, Add	*67.65*	
10 14 19 00-0031	EA	18" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	432.29	23.21
		For Installation With Adhesive, Deduct	*-30.90*	
		For Oxidized Finish, Add	*50.91*	
		For Polished Or Patina Finish, Add	*101.83*	
10 14 19 00-0032	EA	20" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	520.23	26.12
		For Installation With Adhesive, Deduct	*-36.46*	
		For Oxidized Finish, Add	*62.37*	
		For Polished Or Patina Finish, Add	*124.73*	
10 14 19 00-0033	EA	24" High x 1-1/2" Deep, Satin Finish, Cast Bronze Sign Letter/Character, Installed With Studs	660.98	30.17
		For Installation With Adhesive, Deduct	*-45.12*	
		For Oxidized Finish, Add	*81.04*	
		For Polished Or Patina Finish, Add	*162.08*	

10 14 19 00-0034 Molded Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0035 Molded Plastic Characters *(10 14 19 00-0034)*

10 14 19 00-0036	EA	4" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	40.79	4.65
		For Installation With Adhesive, Deduct	*-3.90*	
10 14 19 00-0037	EA	5" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	44.00	5.11
		For Installation With Adhesive, Deduct	*-4.24*	
10 14 19 00-0038	EA	6" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	48.74	5.57
		For Installation With Adhesive, Deduct	*-4.67*	
10 14 19 00-0039	EA	8" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	64.81	6.04
		For Installation With Adhesive, Deduct	*-5.66*	
10 14 19 00-0040	EA	9" High x 3/4" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	70.08	6.50
		For Installation With Adhesive, Deduct	*-6.10*	
10 14 19 00-0041	EA	10" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	76.06	6.96
		For Installation With Adhesive, Deduct	*-6.59*	
10 14 19 00-0042	EA	12" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	88.63	8.12
		For Installation With Adhesive, Deduct	*-7.68*	
10 14 19 00-0043	EA	15" High x 1" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	117.85	10.21
		For Installation With Adhesive, Deduct	*-9.98*	
10 14 19 00-0044	EA	18" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	152.07	12.07
		For Installation With Adhesive, Deduct	*-12.43*	
10 14 19 00-0045	EA	24" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	231.65	14.86
		For Installation With Adhesive, Deduct	*-17.53*	
10 14 19 00-0046	EA	30" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	354.01	17.42
		For Installation With Adhesive, Deduct	*-24.66*	
10 14 19 00-0047	EA	36" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	470.98	19.97
		For Installation With Adhesive, Deduct	*-31.54*	
10 14 19 00-0048	EA	48" High x 1-1/2" Deep, Molded Plastic Sign Letter/Character, Installed With Studs	903.85	26.70
		For Installation With Adhesive, Deduct	*-55.87*	

10 14 19 00-0049 Cutout Characters *(10 14 19)*

Note: Any font.

10 14 19 00-0050 Satin Finish, Aluminum Characters *(10 14 19 00-0049)*

10 14 19 00-0051 1/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0052	EA	2" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	38.46	5.81
		For Installation With Adhesive, Deduct	*-4.24*	
		For Clear Anodized, Add	*1.53*	
		For Satin Face And Enameled Return, Add	*5.34*	
		For Color Anodized, Add	*7.63*	
		For Polished Or Patina Finish, Add	*7.63*	
		For Polished Anodized Finish, Add	*11.44*	
10 14 19 00-0053	EA	4" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	53.26	6.73
		For Installation With Adhesive, Deduct	*-5.36*	
		For Clear Anodized, Add	*2.63*	
		For Satin Face And Enameled Return, Add	*9.22*	
		For Color Anodized, Add	*13.17*	
		For Polished Or Patina Finish, Add	*13.17*	
		For Polished Anodized Finish, Add	*19.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0054	EA	6" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	71.31	8.12
		For Installation With Adhesive, Deduct	*-6.82*	
		For Clear Anodized, Add	*3.88*	
		For Satin Face And Enameled Return, Add	*13.58*	
		For Color Anodized, Add	*19.41*	
		For Polished Or Patina Finish, Add	*19.41*	
		For Polished Anodized Finish, Add	*29.11*	
10 14 19 00-0055	EA	8" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	87.04	9.28
		For Installation With Adhesive, Deduct	*-8.07*	
		For Clear Anodized, Add	*4.99*	
		For Satin Face And Enameled Return, Add	*17.47*	
		For Color Anodized, Add	*24.95*	
		For Polished Or Patina Finish, Add	*24.95*	
		For Polished Anodized Finish, Add	*37.43*	
10 14 19 00-0056	EA	10" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	99.99	10.45
		For Installation With Adhesive, Deduct	*-9.18*	
		For Clear Anodized, Add	*5.82*	
		For Satin Face And Enameled Return, Add	*20.37*	
		For Color Anodized, Add	*29.11*	
		For Polished Or Patina Finish, Add	*29.11*	
		For Polished Anodized Finish, Add	*43.66*	
10 14 19 00-0057	EA	12" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	114.82	12.07
		For Installation With Adhesive, Deduct	*-10.57*	
		For Clear Anodized, Add	*6.65*	
		For Satin Face And Enameled Return, Add	*23.29*	
		For Color Anodized, Add	*33.27*	
		For Polished Or Patina Finish, Add	*33.27*	
		For Polished Anodized Finish, Add	*49.90*	
10 14 19 00-0058	EA	14" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	134.71	13.93
		For Installation With Adhesive, Deduct	*-12.31*	
		For Clear Anodized, Add	*7.90*	
		For Satin Face And Enameled Return, Add	*27.65*	
		For Color Anodized, Add	*39.50*	
		For Polished Or Patina Finish, Add	*39.50*	
		For Polished Anodized Finish, Add	*59.25*	
10 14 19 00-0059	EA	16" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	159.72	16.71
		For Installation With Adhesive, Deduct	*-14.67*	
		For Clear Anodized, Add	*9.29*	
		For Satin Face And Enameled Return, Add	*32.50*	
		For Color Anodized, Add	*46.43*	
		For Polished Or Patina Finish, Add	*46.43*	
		For Polished Anodized Finish, Add	*69.65*	
10 14 19 00-0060	EA	18" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	179.63	18.57
		For Installation With Adhesive, Deduct	*-16.41*	
		For Clear Anodized, Add	*10.53*	
		For Satin Face And Enameled Return, Add	*36.87*	
		For Color Anodized, Add	*52.67*	
		For Polished Or Patina Finish, Add	*52.67*	
		For Polished Anodized Finish, Add	*79.01*	
10 14 19 00-0061	EA	20" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	215.24	20.89
		For Installation With Adhesive, Deduct	*-19.12*	
		For Clear Anodized, Add	*13.17*	
		For Satin Face And Enameled Return, Add	*46.08*	
		For Color Anodized, Add	*65.84*	
		For Polished Or Patina Finish, Add	*65.84*	
		For Polished Anodized Finish, Add	*98.75*	
10 14 19 00-0062	EA	22" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	246.22	22.05
		For Installation With Adhesive, Deduct	*-21.13*	
		For Clear Anodized, Add	*15.80*	
		For Satin Face And Enameled Return, Add	*55.30*	
		For Color Anodized, Add	*79.00*	
		For Polished Or Patina Finish, Add	*79.00*	
		For Polished Anodized Finish, Add	*118.50*	
10 14 19 00-0063	EA	24" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	303.53	23.21
		For Installation With Adhesive, Deduct	*-24.46*	
		For Clear Anodized, Add	*21.07*	
		For Satin Face And Enameled Return, Add	*73.73*	
		For Color Anodized, Add	*105.34*	
		For Polished Or Patina Finish, Add	*105.34*	
		For Polished Anodized Finish, Add	*158.00*	
10 14 19 00-0064	EA	30" High x 1/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	432.52	27.86
		For Installation With Adhesive, Deduct	*-32.77*	
		For Clear Anodized, Add	*32.11*	
		For Satin Face And Enameled Return, Add	*112.38*	
		For Color Anodized, Add	*160.55*	
		For Polished Or Patina Finish, Add	*160.55*	
		For Polished Anodized Finish, Add	*240.82*	

10 14 19 00-0065 3/8" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0066	EA	2" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	48.21	5.81
		For Installation With Adhesive, Deduct	*-4.73*	
		For Clear Anodized, Add	*2.50*	
		For Satin Face And Enameled Return, Add	*8.75*	
		For Color Anodized, Add	*12.50*	
		For Polished Or Patina Finish, Add	*12.50*	
		For Polished Anodized Finish, Add	*18.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0067	EA	4" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	68.54	6.73
		For Installation With Adhesive, Deduct	*-6.12*	
		For Clear Anodized, Add	*4.16*	
		For Satin Face And Enameled Return, Add	*14.56*	
		For Color Anodized, Add	*20.81*	
		For Polished Or Patina Finish, Add	*20.81*	
		For Polished Anodized Finish, Add	*31.21*	
10 14 19 00-0068	EA	6" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	86.44	8.12
		For Installation With Adhesive, Deduct	*-7.57*	
		For Clear Anodized, Add	*5.39*	
		For Satin Face And Enameled Return, Add	*18.88*	
		For Color Anodized, Add	*26.97*	
		For Polished Or Patina Finish, Add	*26.97*	
		For Polished Anodized Finish, Add	*40.46*	
10 14 19 00-0069	EA	8" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	107.99	9.28
		For Installation With Adhesive, Deduct	*-9.11*	
		For Clear Anodized, Add	*7.09*	
		For Satin Face And Enameled Return, Add	*24.80*	
		For Color Anodized, Add	*35.43*	
		For Polished Or Patina Finish, Add	*35.43*	
		For Polished Anodized Finish, Add	*53.14*	
10 14 19 00-0070	EA	10" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	125.02	10.45
		For Installation With Adhesive, Deduct	*-10.43*	
		For Clear Anodized, Add	*8.32*	
		For Satin Face And Enameled Return, Add	*29.13*	
		For Color Anodized, Add	*41.62*	
		For Polished Or Patina Finish, Add	*41.62*	
		For Polished Anodized Finish, Add	*62.43*	
10 14 19 00-0071	EA	12" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	146.75	12.07
		For Installation With Adhesive, Deduct	*-12.17*	
		For Clear Anodized, Add	*9.85*	
		For Satin Face And Enameled Return, Add	*34.46*	
		For Color Anodized, Add	*49.23*	
		For Polished Or Patina Finish, Add	*49.23*	
		For Polished Anodized Finish, Add	*73.85*	
10 14 19 00-0072	EA	14" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	171.84	13.93
		For Installation With Adhesive, Deduct	*-14.16*	
		For Clear Anodized, Add	*11.61*	
		For Satin Face And Enameled Return, Add	*40.65*	
		For Color Anodized, Add	*58.07*	
		For Polished Or Patina Finish, Add	*58.07*	
		For Polished Anodized Finish, Add	*87.10*	
10 14 19 00-0073	EA	16" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	212.65	16.71
		For Installation With Adhesive, Deduct	*-17.32*	
		For Clear Anodized, Add	*14.58*	
		For Satin Face And Enameled Return, Add	*51.03*	
		For Color Anodized, Add	*72.90*	
		For Polished Or Patina Finish, Add	*72.90*	
		For Polished Anodized Finish, Add	*109.34*	
10 14 19 00-0074	EA	18" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	245.99	18.57
		For Installation With Adhesive, Deduct	*-19.73*	
		For Clear Anodized, Add	*17.17*	
		For Satin Face And Enameled Return, Add	*60.10*	
		For Color Anodized, Add	*85.85*	
		For Polished Or Patina Finish, Add	*85.85*	
		For Polished Anodized Finish, Add	*128.78*	
10 14 19 00-0075	EA	20" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	285.03	20.89
		For Installation With Adhesive, Deduct	*-22.61*	
		For Clear Anodized, Add	*20.15*	
		For Satin Face And Enameled Return, Add	*70.51*	
		For Color Anodized, Add	*100.73*	
		For Polished Or Patina Finish, Add	*100.73*	
		For Polished Anodized Finish, Add	*151.10*	
10 14 19 00-0076	EA	22" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	318.91	22.05
		For Installation With Adhesive, Deduct	*-24.77*	
		For Clear Anodized, Add	*23.07*	
		For Satin Face And Enameled Return, Add	*80.74*	
		For Color Anodized, Add	*115.35*	
		For Polished Or Patina Finish, Add	*115.35*	
		For Polished Anodized Finish, Add	*173.02*	
10 14 19 00-0077	EA	24" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	354.09	23.21
		For Installation With Adhesive, Deduct	*-26.99*	
		For Clear Anodized, Add	*26.12*	
		For Satin Face And Enameled Return, Add	*91.43*	
		For Color Anodized, Add	*130.62*	
		For Polished Or Patina Finish, Add	*130.62*	
		For Polished Anodized Finish, Add	*195.92*	
10 14 19 00-0078	EA	30" High x 3/8" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	485.65	27.86
		For Installation With Adhesive, Deduct	*-35.43*	
		For Clear Anodized, Add	*37.42*	
		For Satin Face And Enameled Return, Add	*130.98*	
		For Color Anodized, Add	*187.11*	
		For Polished Or Patina Finish, Add	*187.11*	
		For Polished Anodized Finish, Add	*280.67*	

10 14 19 00-0079 1/2" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0080	EA	2" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	59.50	5.81
		For Installation With Adhesive, Deduct	*-5.30*	
		For Clear Anodized, Add	*3.63*	
		For Satin Face And Enameled Return, Add	*12.70*	
		For Color Anodized, Add	*18.15*	
		For Polished Or Patina Finish, Add	*18.15*	
		For Polished Anodized Finish, Add	*27.22*	
10 14 19 00-0081	EA	4" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	76.70	6.73
		For Installation With Adhesive, Deduct	*-6.53*	
		For Clear Anodized, Add	*4.98*	
		For Satin Face And Enameled Return, Add	*17.42*	
		For Color Anodized, Add	*24.89*	
		For Polished Or Patina Finish, Add	*24.89*	
		For Polished Anodized Finish, Add	*37.33*	
10 14 19 00-0082	EA	6" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	96.15	8.12
		For Installation With Adhesive, Deduct	*-8.06*	
		For Clear Anodized, Add	*6.37*	
		For Satin Face And Enameled Return, Add	*22.28*	
		For Color Anodized, Add	*31.83*	
		For Polished Or Patina Finish, Add	*31.83*	
		For Polished Anodized Finish, Add	*47.74*	
10 14 19 00-0083	EA	8" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	113.48	9.28
		For Installation With Adhesive, Deduct	*-9.39*	
		For Clear Anodized, Add	*7.63*	
		For Satin Face And Enameled Return, Add	*26.72*	
		For Color Anodized, Add	*38.17*	
		For Polished Or Patina Finish, Add	*38.17*	
		For Polished Anodized Finish, Add	*57.26*	
10 14 19 00-0084	EA	10" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	132.01	10.45
		For Installation With Adhesive, Deduct	*-10.78*	
		For Clear Anodized, Add	*9.02*	
		For Satin Face And Enameled Return, Add	*31.58*	
		For Color Anodized, Add	*45.12*	
		For Polished Or Patina Finish, Add	*45.12*	
		For Polished Anodized Finish, Add	*67.67*	
10 14 19 00-0085	EA	12" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	162.05	12.07
		For Installation With Adhesive, Deduct	*-12.93*	
		For Clear Anodized, Add	*11.38*	
		For Satin Face And Enameled Return, Add	*39.82*	
		For Color Anodized, Add	*56.88*	
		For Polished Or Patina Finish, Add	*56.88*	
		For Polished Anodized Finish, Add	*85.32*	
10 14 19 00-0086	EA	14" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	199.49	13.93
		For Installation With Adhesive, Deduct	*-15.55*	
		For Clear Anodized, Add	*14.38*	
		For Satin Face And Enameled Return, Add	*50.32*	
		For Color Anodized, Add	*71.89*	
		For Polished Or Patina Finish, Add	*71.89*	
		For Polished Anodized Finish, Add	*107.84*	
10 14 19 00-0087	EA	16" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	241.44	16.71
		For Installation With Adhesive, Deduct	*-18.76*	
		For Clear Anodized, Add	*17.46*	
		For Satin Face And Enameled Return, Add	*61.10*	
		For Color Anodized, Add	*87.29*	
		For Polished Or Patina Finish, Add	*87.29*	
		For Polished Anodized Finish, Add	*130.94*	
10 14 19 00-0088	EA	18" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	292.34	18.57
		For Installation With Adhesive, Deduct	*-22.05*	
		For Clear Anodized, Add	*21.81*	
		For Satin Face And Enameled Return, Add	*76.32*	
		For Color Anodized, Add	*109.03*	
		For Polished Or Patina Finish, Add	*109.03*	
		For Polished Anodized Finish, Add	*163.54*	
10 14 19 00-0089	EA	20" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	344.28	20.89
		For Installation With Adhesive, Deduct	*-25.57*	
		For Clear Anodized, Add	*26.07*	
		For Satin Face And Enameled Return, Add	*91.25*	
		For Color Anodized, Add	*130.36*	
		For Polished Or Patina Finish, Add	*130.36*	
		For Polished Anodized Finish, Add	*195.53*	
10 14 19 00-0090	EA	22" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	394.75	22.05
		For Installation With Adhesive, Deduct	*-28.56*	
		For Clear Anodized, Add	*30.65*	
		For Satin Face And Enameled Return, Add	*107.29*	
		For Color Anodized, Add	*153.27*	
		For Polished Or Patina Finish, Add	*153.27*	
		For Polished Anodized Finish, Add	*229.90*	
10 14 19 00-0091	EA	24" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	442.58	23.21
		For Installation With Adhesive, Deduct	*-31.42*	
		For Clear Anodized, Add	*34.97*	
		For Satin Face And Enameled Return, Add	*122.40*	
		For Color Anodized, Add	*174.86*	
		For Polished Or Patina Finish, Add	*174.86*	
		For Polished Anodized Finish, Add	*262.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0092	EA	30" High x 1/2" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	612.88	27.86
		For Installation With Adhesive, Deduct	*-41.79*	
		For Clear Anodized, Add	*50.15*	
		For Satin Face And Enameled Return, Add	*175.51*	
		For Color Anodized, Add	*250.73*	
		For Polished Or Patina Finish, Add	*250.73*	
		For Polished Anodized Finish, Add	*376.09*	

10 14 19 00-0093 3/4" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0094	EA	2" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	62.09	5.81
		For Installation With Adhesive, Deduct	*-5.43*	
		For Clear Anodized, Add	*3.89*	
		For Satin Face And Enameled Return, Add	*13.61*	
		For Color Anodized, Add	*19.44*	
		For Polished Or Patina Finish, Add	*19.44*	
		For Polished Anodized Finish, Add	*29.16*	
10 14 19 00-0095	EA	4" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	79.60	6.73
		For Installation With Adhesive, Deduct	*-6.67*	
		For Clear Anodized, Add	*5.27*	
		For Satin Face And Enameled Return, Add	*18.43*	
		For Color Anodized, Add	*26.34*	
		For Polished Or Patina Finish, Add	*26.34*	
		For Polished Anodized Finish, Add	*39.50*	
10 14 19 00-0096	EA	6" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	104.68	8.12
		For Installation With Adhesive, Deduct	*-8.48*	
		For Clear Anodized, Add	*7.22*	
		For Satin Face And Enameled Return, Add	*25.26*	
		For Color Anodized, Add	*36.09*	
		For Polished Or Patina Finish, Add	*36.09*	
		For Polished Anodized Finish, Add	*54.14*	
10 14 19 00-0097	EA	8" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	138.43	9.28
		For Installation With Adhesive, Deduct	*-10.64*	
		For Clear Anodized, Add	*10.13*	
		For Satin Face And Enameled Return, Add	*35.45*	
		For Color Anodized, Add	*50.65*	
		For Polished Or Patina Finish, Add	*50.65*	
		For Polished Anodized Finish, Add	*75.97*	
10 14 19 00-0098	EA	10" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	173.34	10.45
		For Installation With Adhesive, Deduct	*-12.85*	
		For Clear Anodized, Add	*13.16*	
		For Satin Face And Enameled Return, Add	*46.05*	
		For Color Anodized, Add	*65.78*	
		For Polished Or Patina Finish, Add	*65.78*	
		For Polished Anodized Finish, Add	*98.67*	
10 14 19 00-0099	EA	12" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	217.27	12.07
		For Installation With Adhesive, Deduct	*-15.69*	
		For Clear Anodized, Add	*16.90*	
		For Satin Face And Enameled Return, Add	*59.14*	
		For Color Anodized, Add	*84.49*	
		For Polished Or Patina Finish, Add	*84.49*	
		For Polished Anodized Finish, Add	*126.74*	
10 14 19 00-0100	EA	14" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	270.60	13.93
		For Installation With Adhesive, Deduct	*-19.10*	
		For Clear Anodized, Add	*21.49*	
		For Satin Face And Enameled Return, Add	*75.21*	
		For Color Anodized, Add	*107.45*	
		For Polished Or Patina Finish, Add	*107.45*	
		For Polished Anodized Finish, Add	*161.17*	
10 14 19 00-0101	EA	16" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	334.30	16.71
		For Installation With Adhesive, Deduct	*-23.40*	
		For Clear Anodized, Add	*26.74*	
		For Satin Face And Enameled Return, Add	*93.60*	
		For Color Anodized, Add	*133.72*	
		For Polished Or Patina Finish, Add	*133.72*	
		For Polished Anodized Finish, Add	*200.58*	
10 14 19 00-0102	EA	18" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	408.21	18.57
		For Installation With Adhesive, Deduct	*-27.84*	
		For Clear Anodized, Add	*33.39*	
		For Satin Face And Enameled Return, Add	*116.87*	
		For Color Anodized, Add	*166.96*	
		For Polished Or Patina Finish, Add	*166.96*	
		For Polished Anodized Finish, Add	*250.44*	
10 14 19 00-0103	EA	20" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	485.16	20.89
		For Installation With Adhesive, Deduct	*-32.62*	
		For Clear Anodized, Add	*40.16*	
		For Satin Face And Enameled Return, Add	*140.56*	
		For Color Anodized, Add	*200.80*	
		For Polished Or Patina Finish, Add	*200.80*	
		For Polished Anodized Finish, Add	*301.19*	
10 14 19 00-0104	EA	22" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	562.23	22.05
		For Installation With Adhesive, Deduct	*-36.93*	
		For Clear Anodized, Add	*47.40*	
		For Satin Face And Enameled Return, Add	*165.90*	
		For Color Anodized, Add	*237.01*	
		For Polished Or Patina Finish, Add	*237.01*	
		For Polished Anodized Finish, Add	*355.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0105	EA	24" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	642.71	23.21
		For Installation With Adhesive, Deduct	*-41.42*	
		For Clear Anodized, Add	*54.99*	
		For Satin Face And Enameled Return, Add	*192.45*	
		For Color Anodized, Add	*274.93*	
		For Polished Or Patina Finish, Add	*274.93*	
		For Polished Anodized Finish, Add	*412.39*	
10 14 19 00-0106	EA	30" High x 3/4" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	882.32	27.86
		For Installation With Adhesive, Deduct	*-55.26*	
		For Clear Anodized, Add	*77.09*	
		For Satin Face And Enameled Return, Add	*269.81*	
		For Color Anodized, Add	*385.45*	
		For Polished Or Patina Finish, Add	*385.45*	
		For Polished Anodized Finish, Add	*578.17*	

10 14 19 00-0107 1" Deep, Satin Finish, Aluminum Characters *(10 14 19 00-0050)*

10 14 19 00-0108	EA	2" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	68.95	5.81
		For Installation With Adhesive, Deduct	*-5.77*	
		For Clear Anodized, Add	*4.57*	
		For Satin Face And Enameled Return, Add	*16.01*	
		For Color Anodized, Add	*22.87*	
		For Polished Or Patina Finish, Add	*22.87*	
		For Polished Anodized Finish, Add	*34.31*	
10 14 19 00-0109	EA	4" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	85.13	6.73
		For Installation With Adhesive, Deduct	*-6.95*	
		For Clear Anodized, Add	*5.82*	
		For Satin Face And Enameled Return, Add	*20.37*	
		For Color Anodized, Add	*29.10*	
		For Polished Or Patina Finish, Add	*29.10*	
		For Polished Anodized Finish, Add	*43.65*	
10 14 19 00-0110	EA	6" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	111.67	8.12
		For Installation With Adhesive, Deduct	*-8.83*	
		For Clear Anodized, Add	*7.92*	
		For Satin Face And Enameled Return, Add	*27.71*	
		For Color Anodized, Add	*39.59*	
		For Polished Or Patina Finish, Add	*39.59*	
		For Polished Anodized Finish, Add	*59.38*	
10 14 19 00-0111	EA	8" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	152.40	9.28
		For Installation With Adhesive, Deduct	*-11.33*	
		For Clear Anodized, Add	*11.53*	
		For Satin Face And Enameled Return, Add	*40.34*	
		For Color Anodized, Add	*57.63*	
		For Polished Or Patina Finish, Add	*57.63*	
		For Polished Anodized Finish, Add	*86.45*	
10 14 19 00-0112	EA	10" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	206.52	10.45
		For Installation With Adhesive, Deduct	*-14.50*	
		For Clear Anodized, Add	*16.47*	
		For Satin Face And Enameled Return, Add	*57.66*	
		For Color Anodized, Add	*82.37*	
		For Polished Or Patina Finish, Add	*82.37*	
		For Polished Anodized Finish, Add	*123.56*	
10 14 19 00-0113	EA	12" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	269.83	12.07
		For Installation With Adhesive, Deduct	*-18.32*	
		For Clear Anodized, Add	*22.15*	
		For Satin Face And Enameled Return, Add	*77.54*	
		For Color Anodized, Add	*110.77*	
		For Polished Or Patina Finish, Add	*110.77*	
		For Polished Anodized Finish, Add	*166.16*	
10 14 19 00-0114	EA	14" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	340.91	13.93
		For Installation With Adhesive, Deduct	*-22.62*	
		For Clear Anodized, Add	*28.52*	
		For Satin Face And Enameled Return, Add	*99.82*	
		For Color Anodized, Add	*142.60*	
		For Polished Or Patina Finish, Add	*142.60*	
		For Polished Anodized Finish, Add	*213.90*	
10 14 19 00-0115	EA	16" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	423.45	16.71
		For Installation With Adhesive, Deduct	*-27.86*	
		For Clear Anodized, Add	*35.66*	
		For Satin Face And Enameled Return, Add	*124.81*	
		For Color Anodized, Add	*178.30*	
		For Polished Or Patina Finish, Add	*178.30*	
		For Polished Anodized Finish, Add	*267.44*	
10 14 19 00-0116	EA	18" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	512.49	18.57
		For Installation With Adhesive, Deduct	*-33.05*	
		For Clear Anodized, Add	*43.82*	
		For Satin Face And Enameled Return, Add	*153.37*	
		For Color Anodized, Add	*219.10*	
		For Polished Or Patina Finish, Add	*219.10*	
		For Polished Anodized Finish, Add	*328.65*	
10 14 19 00-0117	EA	20" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	630.00	20.89
		For Installation With Adhesive, Deduct	*-39.86*	
		For Clear Anodized, Add	*54.64*	
		For Satin Face And Enameled Return, Add	*191.25*	
		For Color Anodized, Add	*273.22*	
		For Polished Or Patina Finish, Add	*273.22*	
		For Polished Anodized Finish, Add	*409.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0118	EA	22" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	750.26	22.05
		For Installation With Adhesive, Deduct	*-46.34*	
		For Clear Anodized, Add	*66.20*	
		For Satin Face And Enameled Return, Add	*231.71*	
		For Color Anodized, Add	*331.02*	
		For Polished Or Patina Finish, Add	*331.02*	
		For Polished Anodized Finish, Add	*496.53*	
10 14 19 00-0119	EA	24" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	884.99	23.21
		For Installation With Adhesive, Deduct	*-53.54*	
		For Clear Anodized, Add	*79.21*	
		For Satin Face And Enameled Return, Add	*277.25*	
		For Color Anodized, Add	*396.07*	
		For Polished Or Patina Finish, Add	*396.07*	
		For Polished Anodized Finish, Add	*594.10*	
10 14 19 00-0120	EA	30" High x 1" Deep, Satin Finish, Aluminum Sign Letter/Character, Installed With Studs	1,249.06	27.86
		For Installation With Adhesive, Deduct	*-73.60*	
		For Clear Anodized, Add	*113.76*	
		For Satin Face And Enameled Return, Add	*398.17*	
		For Color Anodized, Add	*568.82*	
		For Polished Or Patina Finish, Add	*568.82*	
		For Polished Anodized Finish, Add	*853.22*	

10 14 19 00-0121 Satin Finish, Brass Characters *(10 14 19 00-0049)*

10 14 19 00-0122 1/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0123	EA	2" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	53.52	5.81
		For Installation With Adhesive, Deduct	*-5.00*	
		For Oxidized Finish, Add	*4.55*	
		For Polished Finish, Add	*9.09*	
10 14 19 00-0124	EA	4" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	69.11	6.73
		For Installation With Adhesive, Deduct	*-6.15*	
		For Oxidized Finish, Add	*6.33*	
		For Polished Finish, Add	*12.65*	
10 14 19 00-0125	EA	6" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	95.29	8.12
		For Installation With Adhesive, Deduct	*-8.01*	
		For Oxidized Finish, Add	*9.42*	
		For Polished Finish, Add	*18.84*	
10 14 19 00-0126	EA	8" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	124.83	9.28
		For Installation With Adhesive, Deduct	*-9.96*	
		For Oxidized Finish, Add	*13.15*	
		For Polished Finish, Add	*26.31*	
10 14 19 00-0127	EA	10" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	159.78	10.45
		For Installation With Adhesive, Deduct	*-12.17*	
		For Oxidized Finish, Add	*17.70*	
		For Polished Finish, Add	*35.40*	
10 14 19 00-0128	EA	12" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	202.01	12.07
		For Installation With Adhesive, Deduct	*-14.93*	
		For Oxidized Finish, Add	*23.06*	
		For Polished Finish, Add	*46.12*	
10 14 19 00-0129	EA	14" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	252.73	13.93
		For Installation With Adhesive, Deduct	*-18.21*	
		For Oxidized Finish, Add	*29.55*	
		For Polished Finish, Add	*59.11*	
10 14 19 00-0130	EA	16" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	308.27	16.71
		For Installation With Adhesive, Deduct	*-22.10*	
		For Oxidized Finish, Add	*36.21*	
		For Polished Finish, Add	*72.42*	
10 14 19 00-0131	EA	18" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	374.31	18.57
		For Installation With Adhesive, Deduct	*-26.14*	
		For Oxidized Finish, Add	*45.00*	
		For Polished Finish, Add	*90.01*	
10 14 19 00-0132	EA	20" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	445.14	20.89
		For Installation With Adhesive, Deduct	*-30.61*	
		For Oxidized Finish, Add	*54.24*	
		For Polished Finish, Add	*108.47*	
10 14 19 00-0133	EA	22" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	547.22	22.05
		For Installation With Adhesive, Deduct	*-36.18*	
		For Oxidized Finish, Add	*68.85*	
		For Polished Finish, Add	*137.70*	
10 14 19 00-0134	EA	24" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	600.11	23.21
		For Installation With Adhesive, Deduct	*-39.29*	
		For Oxidized Finish, Add	*76.09*	
		For Polished Finish, Add	*152.18*	
10 14 19 00-0135	EA	30" High x 1/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	902.36	27.86
		For Installation With Adhesive, Deduct	*-56.26*	
		For Oxidized Finish, Add	*118.64*	
		For Polished Finish, Add	*237.28*	

10 14 19 00-0136 3/8" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0137	EA	2" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	64.13	5.81
		For Installation With Adhesive, Deduct	*-5.53*	
		For Oxidized Finish, Add	*6.14*	
		For Polished Finish, Add	*12.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0138	EA	4" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	83.87	6.73
		For Installation With Adhesive, Deduct	*-6.89*	
		For Oxidized Finish, Add	*8.54*	
		For Polished Finish, Add	*17.08*	
10 14 19 00-0139	EA	6" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	120.40	8.12
		For Installation With Adhesive, Deduct	*-9.27*	
		For Oxidized Finish, Add	*13.19*	
		For Polished Finish, Add	*26.37*	
10 14 19 00-0140	EA	8" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	159.90	9.28
		For Installation With Adhesive, Deduct	*-11.71*	
		For Oxidized Finish, Add	*18.41*	
		For Polished Finish, Add	*36.83*	
10 14 19 00-0141	EA	10" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	212.88	10.45
		For Installation With Adhesive, Deduct	*-14.82*	
		For Oxidized Finish, Add	*25.67*	
		For Polished Finish, Add	*51.33*	
10 14 19 00-0142	EA	12" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	271.19	12.07
		For Installation With Adhesive, Deduct	*-18.39*	
		For Oxidized Finish, Add	*33.44*	
		For Polished Finish, Add	*66.87*	
10 14 19 00-0143	EA	14" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	341.39	13.93
		For Installation With Adhesive, Deduct	*-22.64*	
		For Oxidized Finish, Add	*42.85*	
		For Polished Finish, Add	*85.70*	
10 14 19 00-0144	EA	16" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	404.83	16.71
		For Installation With Adhesive, Deduct	*-26.93*	
		For Oxidized Finish, Add	*50.70*	
		For Polished Finish, Add	*101.39*	
10 14 19 00-0145	EA	18" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	509.32	18.57
		For Installation With Adhesive, Deduct	*-32.90*	
		For Oxidized Finish, Add	*65.25*	
		For Polished Finish, Add	*130.51*	
10 14 19 00-0146	EA	20" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	589.77	20.89
		For Installation With Adhesive, Deduct	*-37.85*	
		For Oxidized Finish, Add	*75.93*	
		For Polished Finish, Add	*151.86*	
10 14 19 00-0147	EA	22" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	726.23	22.05
		For Installation With Adhesive, Deduct	*-45.13*	
		For Oxidized Finish, Add	*95.70*	
		For Polished Finish, Add	*191.40*	
10 14 19 00-0148	EA	24" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	828.37	23.21
		For Installation With Adhesive, Deduct	*-50.70*	
		For Oxidized Finish, Add	*110.33*	
		For Polished Finish, Add	*220.65*	
10 14 19 00-0149	EA	30" High x 3/8" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,147.55	27.86
		For Installation With Adhesive, Deduct	*-68.52*	
		For Oxidized Finish, Add	*155.42*	
		For Polished Finish, Add	*310.84*	

10 14 19 00-0150 1/2" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0151	EA	2" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	80.80	5.81
		For Installation With Adhesive, Deduct	*-6.36*	
		For Oxidized Finish, Add	*8.64*	
		For Polished Finish, Add	*17.28*	
10 14 19 00-0152	EA	4" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	104.96	6.73
		For Installation With Adhesive, Deduct	*-7.94*	
		For Oxidized Finish, Add	*11.70*	
		For Polished Finish, Add	*23.41*	
10 14 19 00-0153	EA	6" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	151.80	8.12
		For Installation With Adhesive, Deduct	*-10.84*	
		For Oxidized Finish, Add	*17.90*	
		For Polished Finish, Add	*35.79*	
10 14 19 00-0154	EA	8" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	208.13	9.28
		For Installation With Adhesive, Deduct	*-14.12*	
		For Oxidized Finish, Add	*25.65*	
		For Polished Finish, Add	*51.30*	
10 14 19 00-0155	EA	10" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	289.57	10.45
		For Installation With Adhesive, Deduct	*-18.66*	
		For Oxidized Finish, Add	*37.17*	
		For Polished Finish, Add	*74.34*	
10 14 19 00-0156	EA	12" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	386.48	12.07
		For Installation With Adhesive, Deduct	*-24.15*	
		For Oxidized Finish, Add	*50.73*	
		For Polished Finish, Add	*101.46*	
10 14 19 00-0157	EA	14" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	479.31	13.93
		For Installation With Adhesive, Deduct	*-29.54*	
		For Oxidized Finish, Add	*63.54*	
		For Polished Finish, Add	*127.08*	
10 14 19 00-0158	EA	16" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	571.40	16.71
		For Installation With Adhesive, Deduct	*-35.26*	
		For Oxidized Finish, Add	*75.68*	
		For Polished Finish, Add	*151.36*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0159	EA	18" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	779.34	18.57
		For Installation With Adhesive, Deduct	*-46.40*	
		For Oxidized Finish, Add	*105.76*	
		For Polished Finish, Add	*211.52*	
10 14 19 00-0160	EA	20" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	879.02	20.89
		For Installation With Adhesive, Deduct	*-52.31*	
		For Oxidized Finish, Add	*119.32*	
		For Polished Finish, Add	*238.64*	
10 14 19 00-0161	EA	22" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,098.02	22.05
		For Installation With Adhesive, Deduct	*-63.72*	
		For Oxidized Finish, Add	*151.47*	
		For Polished Finish, Add	*302.94*	
10 14 19 00-0162	EA	24" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,284.90	23.21
		For Installation With Adhesive, Deduct	*-73.53*	
		For Oxidized Finish, Add	*178.81*	
		For Polished Finish, Add	*357.61*	
10 14 19 00-0163	EA	30" High x 1/2" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,938.47	27.86
		For Installation With Adhesive, Deduct	*-108.07*	
		For Oxidized Finish, Add	*274.06*	
		For Polished Finish, Add	*548.11*	

10 14 19 00-0164 3/4" Deep, Satin Finish, Brass Characters *(10 14 19 00-0121)*

10 14 19 00-0165	EA	2" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	98.99	5.81
		For Installation With Adhesive, Deduct	*-7.27*	
		For Oxidized Finish, Add	*11.37*	
		For Polished Finish, Add	*22.73*	
10 14 19 00-0166	EA	4" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	138.70	6.73
		For Installation With Adhesive, Deduct	*-9.63*	
		For Oxidized Finish, Add	*16.77*	
		For Polished Finish, Add	*33.53*	
10 14 19 00-0167	EA	6" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	189.47	8.12
		For Installation With Adhesive, Deduct	*-12.72*	
		For Oxidized Finish, Add	*23.55*	
		For Polished Finish, Add	*47.09*	
10 14 19 00-0168	EA	8" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	256.36	9.28
		For Installation With Adhesive, Deduct	*-16.53*	
		For Oxidized Finish, Add	*32.88*	
		For Polished Finish, Add	*65.77*	
10 14 19 00-0169	EA	10" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	348.57	10.45
		For Installation With Adhesive, Deduct	*-21.61*	
		For Oxidized Finish, Add	*46.02*	
		For Polished Finish, Add	*92.04*	
10 14 19 00-0170	EA	12" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	478.71	12.07
		For Installation With Adhesive, Deduct	*-28.76*	
		For Oxidized Finish, Add	*64.56*	
		For Polished Finish, Add	*129.13*	
10 14 19 00-0171	EA	14" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	597.52	13.93
		For Installation With Adhesive, Deduct	*-35.45*	
		For Oxidized Finish, Add	*81.27*	
		For Polished Finish, Add	*162.54*	
10 14 19 00-0172	EA	16" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	696.93	16.71
		For Installation With Adhesive, Deduct	*-41.53*	
		For Oxidized Finish, Add	*94.51*	
		For Polished Finish, Add	*189.02*	
10 14 19 00-0173	EA	18" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	929.35	18.57
		For Installation With Adhesive, Deduct	*-53.90*	
		For Oxidized Finish, Add	*128.26*	
		For Polished Finish, Add	*256.52*	
10 14 19 00-0174	EA	20" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,016.42	20.89
		For Installation With Adhesive, Deduct	*-59.18*	
		For Oxidized Finish, Add	*139.93*	
		For Polished Finish, Add	*279.86*	
10 14 19 00-0175	EA	22" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,290.80	22.05
		For Installation With Adhesive, Deduct	*-73.36*	
		For Oxidized Finish, Add	*180.39*	
		For Polished Finish, Add	*360.77*	
10 14 19 00-0176	EA	24" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	1,639.97	23.21
		For Installation With Adhesive, Deduct	*-91.28*	
		For Oxidized Finish, Add	*232.07*	
		For Polished Finish, Add	*464.13*	
10 14 19 00-0177	EA	30" High x 3/4" Deep, Satin Finish, Brass Sign Letter/Character, Installed With Studs	2,476.30	27.86
		For Installation With Adhesive, Deduct	*-134.96*	
		For Oxidized Finish, Add	*354.73*	
		For Polished Finish, Add	*709.46*	

10 14 19 00-0178 Satin Finish, Bronze Characters *(10 14 19 00-0049)*

10 14 19 00-0179 1/4" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0180	EA	2" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	55.18	5.81
		For Installation With Adhesive, Deduct	*-5.08*	
		For Oxidized Finish, Add	*4.80*	
		For Polished Or Patina Finish, Add	*9.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0181	EA	4" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	71.46	6.73
		For Installation With Adhesive, Deduct	*-6.27*	
		For Oxidized Finish, Add	*6.68*	
		For Polished Or Patina Finish, Add	*13.36*	
10 14 19 00-0182	EA	6" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	98.73	8.12
		For Installation With Adhesive, Deduct	*-8.19*	
		For Oxidized Finish, Add	*9.93*	
		For Polished Or Patina Finish, Add	*19.87*	
10 14 19 00-0183	EA	8" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	129.63	9.28
		For Installation With Adhesive, Deduct	*-10.20*	
		For Oxidized Finish, Add	*13.87*	
		For Polished Or Patina Finish, Add	*27.75*	
10 14 19 00-0184	EA	10" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	166.24	10.45
		For Installation With Adhesive, Deduct	*-12.49*	
		For Oxidized Finish, Add	*18.67*	
		For Polished Or Patina Finish, Add	*37.34*	
10 14 19 00-0185	EA	12" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	210.43	12.07
		For Installation With Adhesive, Deduct	*-15.35*	
		For Oxidized Finish, Add	*24.32*	
		For Polished Or Patina Finish, Add	*48.64*	
10 14 19 00-0186	EA	14" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	263.53	13.93
		For Installation With Adhesive, Deduct	*-18.75*	
		For Oxidized Finish, Add	*31.17*	
		For Polished Or Patina Finish, Add	*62.35*	
10 14 19 00-0187	EA	16" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	327.20	16.71
		For Installation With Adhesive, Deduct	*-23.05*	
		For Oxidized Finish, Add	*39.05*	
		For Polished Or Patina Finish, Add	*78.10*	
10 14 19 00-0188	EA	18" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	391.73	18.57
		For Installation With Adhesive, Deduct	*-27.02*	
		For Oxidized Finish, Add	*47.62*	
		For Polished Or Patina Finish, Add	*95.23*	
10 14 19 00-0189	EA	20" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	464.95	20.89
		For Installation With Adhesive, Deduct	*-31.60*	
		For Oxidized Finish, Add	*57.21*	
		For Polished Or Patina Finish, Add	*114.41*	
10 14 19 00-0190	EA	22" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	542.68	22.05
		For Installation With Adhesive, Deduct	*-35.96*	
		For Oxidized Finish, Add	*68.17*	
		For Polished Or Patina Finish, Add	*136.34*	
10 14 19 00-0191	EA	24" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	628.39	23.21
		For Installation With Adhesive, Deduct	*-40.71*	
		For Oxidized Finish, Add	*80.33*	
		For Polished Or Patina Finish, Add	*160.66*	
10 14 19 00-0192	EA	30" High x 1/4" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	954.12	27.86
		For Installation With Adhesive, Deduct	*-58.85*	
		For Oxidized Finish, Add	*126.40*	
		For Polished Or Patina Finish, Add	*252.81*	

10 14 19 00-0193 3/8" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0194	EA	2" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	65.41	5.81
		For Installation With Adhesive, Deduct	*-5.59*	
		For Oxidized Finish, Add	*6.33*	
		For Polished Or Patina Finish, Add	*12.66*	
10 14 19 00-0195	EA	4" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	85.27	6.73
		For Installation With Adhesive, Deduct	*-6.96*	
		For Oxidized Finish, Add	*8.75*	
		For Polished Or Patina Finish, Add	*17.50*	
10 14 19 00-0196	EA	6" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	123.89	8.12
		For Installation With Adhesive, Deduct	*-9.44*	
		For Oxidized Finish, Add	*13.71*	
		For Polished Or Patina Finish, Add	*27.42*	
10 14 19 00-0197	EA	8" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	163.85	9.28
		For Installation With Adhesive, Deduct	*-11.91*	
		For Oxidized Finish, Add	*19.01*	
		For Polished Or Patina Finish, Add	*38.01*	
10 14 19 00-0198	EA	10" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	222.25	10.45
		For Installation With Adhesive, Deduct	*-15.29*	
		For Oxidized Finish, Add	*27.07*	
		For Polished Or Patina Finish, Add	*54.14*	
10 14 19 00-0199	EA	12" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	281.78	12.07
		For Installation With Adhesive, Deduct	*-18.92*	
		For Oxidized Finish, Add	*35.02*	
		For Polished Or Patina Finish, Add	*70.05*	
10 14 19 00-0200	EA	14" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	352.89	13.93
		For Installation With Adhesive, Deduct	*-23.22*	
		For Oxidized Finish, Add	*44.58*	
		For Polished Or Patina Finish, Add	*89.15*	
10 14 19 00-0201	EA	16" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	436.55	16.71
		For Installation With Adhesive, Deduct	*-28.51*	
		For Oxidized Finish, Add	*55.45*	
		For Polished Or Patina Finish, Add	*110.91*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0202	EA	18" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	528.22	18.57
		For Installation With Adhesive, Deduct	*-33.84*	
		For Oxidized Finish, Add	*68.09*	
		For Polished Or Patina Finish, Add	*136.18*	
10 14 19 00-0203	EA	20" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	628.94	20.89
		For Installation With Adhesive, Deduct	*-39.80*	
		For Oxidized Finish, Add	*81.81*	
		For Polished Or Patina Finish, Add	*163.61*	
10 14 19 00-0204	EA	22" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	738.10	22.05
		For Installation With Adhesive, Deduct	*-45.73*	
		For Oxidized Finish, Add	*97.48*	
		For Polished Or Patina Finish, Add	*194.96*	
10 14 19 00-0205	EA	24" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	837.25	23.21
		For Installation With Adhesive, Deduct	*-51.15*	
		For Oxidized Finish, Add	*111.66*	
		For Polished Or Patina Finish, Add	*223.32*	
10 14 19 00-0206	EA	30" High x 3/8" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,147.94	27.86
		For Installation With Adhesive, Deduct	*-68.54*	
		For Oxidized Finish, Add	*155.48*	
		For Polished Or Patina Finish, Add	*310.95*	

10 14 19 00-0207 1/2" Deep, Satin Finish, Bronze Characters *(10 14 19 00-0178)*

10 14 19 00-0208	EA	2" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	67.65	5.81
		For Installation With Adhesive, Deduct	*-5.70*	
		For Oxidized Finish, Add	*6.67*	
		For Polished Or Patina Finish, Add	*13.33*	
10 14 19 00-0209	EA	4" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	101.30	6.73
		For Installation With Adhesive, Deduct	*-7.76*	
		For Oxidized Finish, Add	*11.16*	
		For Polished Or Patina Finish, Add	*22.31*	
10 14 19 00-0210	EA	6" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	144.43	8.12
		For Installation With Adhesive, Deduct	*-10.47*	
		For Oxidized Finish, Add	*16.79*	
		For Polished Or Patina Finish, Add	*33.58*	
10 14 19 00-0211	EA	8" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	199.00	9.28
		For Installation With Adhesive, Deduct	*-13.66*	
		For Oxidized Finish, Add	*24.28*	
		For Polished Or Patina Finish, Add	*48.56*	
10 14 19 00-0212	EA	10" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	272.04	10.45
		For Installation With Adhesive, Deduct	*-17.78*	
		For Oxidized Finish, Add	*34.54*	
		For Polished Or Patina Finish, Add	*69.08*	
10 14 19 00-0213	EA	12" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	370.96	12.07
		For Installation With Adhesive, Deduct	*-23.38*	
		For Oxidized Finish, Add	*48.40*	
		For Polished Or Patina Finish, Add	*96.80*	
10 14 19 00-0214	EA	14" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	481.74	13.93
		For Installation With Adhesive, Deduct	*-29.66*	
		For Oxidized Finish, Add	*63.90*	
		For Polished Or Patina Finish, Add	*127.81*	
10 14 19 00-0215	EA	16" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	603.17	16.71
		For Installation With Adhesive, Deduct	*-36.84*	
		For Oxidized Finish, Add	*80.45*	
		For Polished Or Patina Finish, Add	*160.89*	
10 14 19 00-0216	EA	18" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	740.91	18.57
		For Installation With Adhesive, Deduct	*-44.47*	
		For Oxidized Finish, Add	*99.99*	
		For Polished Or Patina Finish, Add	*199.99*	
10 14 19 00-0217	EA	20" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	888.28	20.89
		For Installation With Adhesive, Deduct	*-52.77*	
		For Oxidized Finish, Add	*120.71*	
		For Polished Or Patina Finish, Add	*241.41*	
10 14 19 00-0218	EA	22" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,051.68	22.05
		For Installation With Adhesive, Deduct	*-61.41*	
		For Oxidized Finish, Add	*144.52*	
		For Polished Or Patina Finish, Add	*289.04*	
10 14 19 00-0219	EA	24" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,222.83	23.21
		For Installation With Adhesive, Deduct	*-70.43*	
		For Oxidized Finish, Add	*169.50*	
		For Polished Or Patina Finish, Add	*338.99*	
10 14 19 00-0220	EA	30" High x 1/2" Deep, Satin Finish, Bronze Sign Letter/Character, Installed With Studs	1,712.55	27.86
		For Installation With Adhesive, Deduct	*-96.77*	
		For Oxidized Finish, Add	*240.17*	
		For Polished Or Patina Finish, Add	*480.34*	

10 14 19 00-0221 Satin Finish, Copper Characters *(10 14 19 00-0049)*

10 14 19 00-0222 1/4" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0223	EA	2" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	53.52	5.81
		For Installation With Adhesive, Deduct	*-5.00*	
		For Polished Finish, Add	*9.09*	
10 14 19 00-0224	EA	4" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	70.23	6.73
		For Installation With Adhesive, Deduct	*-6.20*	
		For Polished Finish, Add	*12.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0225	EA	6" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	99.62	8.12
		For Installation With Adhesive, Deduct	*-8.23*	
		For Polished Finish, Add	*20.14*	
10 14 19 00-0226	EA	8" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	132.40	9.28
		For Installation With Adhesive, Deduct	*-10.33*	
		For Polished Finish, Add	*28.58*	
10 14 19 00-0227	EA	10" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	168.44	10.45
		For Installation With Adhesive, Deduct	*-12.60*	
		For Polished Finish, Add	*38.00*	
10 14 19 00-0228	EA	12" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	215.00	12.07
		For Installation With Adhesive, Deduct	*-15.58*	
		For Polished Finish, Add	*50.01*	
10 14 19 00-0229	EA	14" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	270.05	13.93
		For Installation With Adhesive, Deduct	*-19.07*	
		For Polished Finish, Add	*64.30*	
10 14 19 00-0230	EA	16" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	333.17	16.71
		For Installation With Adhesive, Deduct	*-23.34*	
		For Polished Finish, Add	*79.89*	
10 14 19 00-0231	EA	18" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	400.14	18.57
		For Installation With Adhesive, Deduct	*-27.44*	
		For Polished Finish, Add	*97.76*	
10 14 19 00-0232	EA	20" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	474.37	20.89
		For Installation With Adhesive, Deduct	*-32.08*	
		For Polished Finish, Add	*117.24*	
10 14 19 00-0233	EA	22" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	554.81	22.05
		For Installation With Adhesive, Deduct	*-36.56*	
		For Polished Finish, Add	*139.98*	
10 14 19 00-0234	EA	24" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	641.71	23.21
		For Installation With Adhesive, Deduct	*-41.37*	
		For Polished Finish, Add	*164.66*	
10 14 19 00-0235	EA	30" High x 1/4" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	923.85	27.86
		For Installation With Adhesive, Deduct	*-57.34*	
		For Polished Finish, Add	*243.73*	

10 14 19 00-0236 3/8" Deep, Satin Finish, Copper Characters *(10 14 19 00-0221)*

10 14 19 00-0237	EA	2" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	61.10	5.81
		For Installation With Adhesive, Deduct	*-5.38*	
		For Polished Finish, Add	*11.37*	
10 14 19 00-0238	EA	4" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	83.22	6.73
		For Installation With Adhesive, Deduct	*-6.85*	
		For Polished Finish, Add	*16.89*	
10 14 19 00-0239	EA	6" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	123.11	8.12
		For Installation With Adhesive, Deduct	*-9.41*	
		For Polished Finish, Add	*27.18*	
10 14 19 00-0240	EA	8" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	170.51	9.28
		For Installation With Adhesive, Deduct	*-12.24*	
		For Polished Finish, Add	*40.01*	
10 14 19 00-0241	EA	10" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	231.77	10.45
		For Installation With Adhesive, Deduct	*-15.77*	
		For Polished Finish, Add	*57.00*	
10 14 19 00-0242	EA	12" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	290.02	12.07
		For Installation With Adhesive, Deduct	*-19.33*	
		For Polished Finish, Add	*72.52*	
10 14 19 00-0243	EA	14" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	366.51	13.93
		For Installation With Adhesive, Deduct	*-23.90*	
		For Polished Finish, Add	*93.24*	
10 14 19 00-0244	EA	16" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	453.00	16.71
		For Installation With Adhesive, Deduct	*-29.34*	
		For Polished Finish, Add	*115.84*	
10 14 19 00-0245	EA	18" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	546.77	18.57
		For Installation With Adhesive, Deduct	*-34.77*	
		For Polished Finish, Add	*141.74*	
10 14 19 00-0246	EA	20" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	650.23	20.89
		For Installation With Adhesive, Deduct	*-40.87*	
		For Polished Finish, Add	*170.00*	
10 14 19 00-0247	EA	22" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	764.77	22.05
		For Installation With Adhesive, Deduct	*-47.06*	
		For Polished Finish, Add	*202.97*	
10 14 19 00-0248	EA	24" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	861.25	23.21
		For Installation With Adhesive, Deduct	*-52.35*	
		For Polished Finish, Add	*230.52*	
10 14 19 00-0249	EA	30" High x 3/8" Deep, Satin Finish, Copper Sign Letter/Character, Installed With Studs	1,208.20	27.86
		For Installation With Adhesive, Deduct	*-71.55*	
		For Polished Finish, Add	*329.03*	

10 14 19 00-0250 Satin Finish, Stainless Steel Characters *(10 14 19 00-0049)*

10 14 19 00-0251 1/4" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0252	EA	2" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	51.48	5.81
		For Installation With Adhesive, Deduct	*-4.90*	
		For Polished Finish, Add	*8.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0253	EA	4" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	67.92	6.73
		For Installation With Adhesive, Deduct	*-6.09*	
		For Polished Finish, Add	*12.30*	
10 14 19 00-0254	EA	6" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	87.62	8.12
		For Installation With Adhesive, Deduct	*-7.63*	
		For Polished Finish, Add	*16.54*	
10 14 19 00-0255	EA	8" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	113.47	9.28
		For Installation With Adhesive, Deduct	*-9.39*	
		For Polished Finish, Add	*22.90*	
10 14 19 00-0256	EA	10" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	139.31	10.45
		For Installation With Adhesive, Deduct	*-11.14*	
		For Polished Finish, Add	*29.26*	
10 14 19 00-0257	EA	12" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	171.26	12.07
		For Installation With Adhesive, Deduct	*-13.39*	
		For Polished Finish, Add	*36.89*	
10 14 19 00-0258	EA	14" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	205.53	13.93
		For Installation With Adhesive, Deduct	*-15.85*	
		For Polished Finish, Add	*44.95*	
10 14 19 00-0259	EA	16" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	246.37	16.71
		For Installation With Adhesive, Deduct	*-19.00*	
		For Polished Finish, Add	*53.85*	
10 14 19 00-0260	EA	18" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	287.72	18.57
		For Installation With Adhesive, Deduct	*-21.82*	
		For Polished Finish, Add	*64.03*	
10 14 19 00-0261	EA	20" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	336.57	20.89
		For Installation With Adhesive, Deduct	*-25.19*	
		For Polished Finish, Add	*75.90*	
10 14 19 00-0262	EA	22" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	392.11	22.05
		For Installation With Adhesive, Deduct	*-28.43*	
		For Polished Finish, Add	*91.17*	
10 14 19 00-0263	EA	24" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	449.05	23.21
		For Installation With Adhesive, Deduct	*-31.74*	
		For Polished Finish, Add	*106.86*	
10 14 19 00-0264	EA	30" High x 1/4" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	617.44	27.86
		For Installation With Adhesive, Deduct	*-42.02*	
		For Polished Finish, Add	*151.80*	

10 14 19 00-0265 3/8" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0266	EA	2" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	61.37	5.81
		For Installation With Adhesive, Deduct	*-5.39*	
		For Polished Finish, Add	*11.45*	
10 14 19 00-0267	EA	4" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	82.27	6.73
		For Installation With Adhesive, Deduct	*-6.81*	
		For Polished Finish, Add	*16.60*	
10 14 19 00-0268	EA	6" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	105.81	8.12
		For Installation With Adhesive, Deduct	*-8.54*	
		For Polished Finish, Add	*21.99*	
10 14 19 00-0269	EA	8" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	135.60	9.28
		For Installation With Adhesive, Deduct	*-10.49*	
		For Polished Finish, Add	*29.54*	
10 14 19 00-0270	EA	10" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	167.59	10.45
		For Installation With Adhesive, Deduct	*-12.56*	
		For Polished Finish, Add	*37.74*	
10 14 19 00-0271	EA	12" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	206.92	12.07
		For Installation With Adhesive, Deduct	*-15.18*	
		For Polished Finish, Add	*47.59*	
10 14 19 00-0272	EA	14" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	248.98	13.93
		For Installation With Adhesive, Deduct	*-18.02*	
		For Polished Finish, Add	*57.98*	
10 14 19 00-0273	EA	16" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	298.42	16.71
		For Installation With Adhesive, Deduct	*-21.61*	
		For Polished Finish, Add	*69.47*	
10 14 19 00-0274	EA	18" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	347.48	18.57
		For Installation With Adhesive, Deduct	*-24.80*	
		For Polished Finish, Add	*81.96*	
10 14 19 00-0275	EA	20" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	407.42	20.89
		For Installation With Adhesive, Deduct	*-28.73*	
		For Polished Finish, Add	*97.16*	
10 14 19 00-0276	EA	22" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	458.96	22.05
		For Installation With Adhesive, Deduct	*-31.77*	
		For Polished Finish, Add	*111.22*	
10 14 19 00-0277	EA	24" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	527.41	23.21
		For Installation With Adhesive, Deduct	*-35.66*	
		For Polished Finish, Add	*130.37*	
10 14 19 00-0278	EA	30" High x 3/8" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	728.76	27.86
		For Installation With Adhesive, Deduct	*-47.58*	
		For Polished Finish, Add	*185.20*	

10 14 19 00-0279 1/2" Deep, Satin Finish, Stainless Steel Characters *(10 14 19 00-0250)*

10 14 19 00-0280	EA	2" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	74.09	5.81
		For Installation With Adhesive, Deduct	*-6.03*	
		For Polished Finish, Add	*15.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 19 00-0281	EA	4" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	100.71	6.73
		For Installation With Adhesive, Deduct	*-7.73*	
		For Polished Finish, Add	*22.13*	
10 14 19 00-0282	EA	6" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	130.07	8.12
		For Installation With Adhesive, Deduct	*-9.75*	
		For Polished Finish, Add	*29.27*	
10 14 19 00-0283	EA	8" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	171.47	9.28
		For Installation With Adhesive, Deduct	*-12.29*	
		For Polished Finish, Add	*40.30*	
10 14 19 00-0284	EA	10" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	213.43	10.45
		For Installation With Adhesive, Deduct	*-14.85*	
		For Polished Finish, Add	*51.50*	
10 14 19 00-0285	EA	12" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	264.72	12.07
		For Installation With Adhesive, Deduct	*-18.07*	
		For Polished Finish, Add	*64.93*	
10 14 19 00-0286	EA	14" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	319.40	13.93
		For Installation With Adhesive, Deduct	*-21.54*	
		For Polished Finish, Add	*79.11*	
10 14 19 00-0287	EA	16" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	382.79	16.71
		For Installation With Adhesive, Deduct	*-25.83*	
		For Polished Finish, Add	*94.78*	
10 14 19 00-0288	EA	18" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	456.33	18.57
		For Installation With Adhesive, Deduct	*-30.25*	
		For Polished Finish, Add	*114.61*	
10 14 19 00-0289	EA	20" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	536.45	20.89
		For Installation With Adhesive, Deduct	*-35.18*	
		For Polished Finish, Add	*135.86*	
10 14 19 00-0290	EA	22" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	601.79	22.05
		For Installation With Adhesive, Deduct	*-38.91*	
		For Polished Finish, Add	*154.07*	
10 14 19 00-0291	EA	24" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	694.81	23.21
		For Installation With Adhesive, Deduct	*-44.03*	
		For Polished Finish, Add	*180.59*	
10 14 19 00-0292	EA	30" High x 1/2" Deep, Satin Finish, Stainless Steel Sign Letter/Character, Installed With Studs	966.59	27.86
		For Installation With Adhesive, Deduct	*-59.47*	
		For Polished Finish, Add	*256.55*	

10 14 23 Panel Signage *(10 14)*

10 14 23 11 Panel Signage *(10 14 23)*

10 14 23 11-0001 Indoor/Outdoor Signs *(10 14 23 11)*

Note: Office number signs, conference room signs, restroom signs, stairway signs, fire extinguisher marker, ANSI/OSHA safety signs, entry/exit signs, etc.

10 14 23 11-0002 Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0003 Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics.

10 14 23 11-0004	EA	Up To 25 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	30.28	10.25
		For >25 To 50, Deduct	*-0.98*	
		For >50 To 100, Deduct	*-2.44*	
		For >100, Deduct	*-2.93*	
		For Clear Glass Mount, Add	*7.82*	
		For Glow-In-Dark, Add	*19.54*	
		For Reflective Finish, Add	*21.98*	
10 14 23 11-0005	EA	>25 To 50 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	37.26	10.25
		For >25 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-4.19*	
		For >100, Deduct	*-5.03*	
		For Clear Glass Mount, Add	*13.40*	
		For Glow-In-Dark, Add	*33.50*	
		For Reflective Finish, Add	*37.69*	
10 14 23 11-0006	EA	>50 To 100 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	48.43	10.25
		For >25 To 50, Deduct	*-2.79*	
		For >50 To 100, Deduct	*-6.98*	
		For >100, Deduct	*-8.38*	
		For Clear Glass Mount, Add	*22.34*	
		For Glow-In-Dark, Add	*55.84*	
		For Reflective Finish, Add	*62.82*	
10 14 23 11-0007	EA	>100 To 250 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	62.39	10.25
		For >25 To 50, Deduct	*-4.19*	
		For >50 To 100, Deduct	*-10.47*	
		For >100, Deduct	*-12.56*	
		For Clear Glass Mount, Add	*33.50*	
		For Glow-In-Dark, Add	*83.76*	
		For Reflective Finish, Add	*94.23*	
10 14 23 11-0008	EA	>250 To 500 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	87.52	10.25
		For >25 To 50, Deduct	*-6.70*	
		For >50 To 100, Deduct	*-16.75*	
		For >100, Deduct	*-20.10*	
		For Clear Glass Mount, Add	*53.61*	
		For Glow-In-Dark, Add	*134.02*	
		For Reflective Finish, Add	*150.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0009	EA	>500 To 750 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	132.19	10.25
		For >25 To 50, Deduct	*-11.17*	
		For >50 To 100, Deduct	*-27.92*	
		For >100, Deduct	*-33.50*	
		For Clear Glass Mount, Add	*89.34*	
		For Glow-In-Dark, Add	*223.36*	
		For Reflective Finish, Add	*251.28*	
10 14 23 11-0010	EA	>750 To 1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	188.03	10.25
		For >25 To 50, Deduct	*-16.75*	
		For >50 To 100, Deduct	*-41.88*	
		For >100, Deduct	*-50.26*	
		For Clear Glass Mount, Add	*134.02*	
		For Glow-In-Dark, Add	*335.04*	
		For Reflective Finish, Add	*376.92*	
10 14 23 11-0011	SI	>1,000 SI, Adhesive Backed Vinyl, Surface Mount, Indoor/Outdoor Sign	0.21	0.01
		For Clear Glass Mount, Add	*0.15*	
		For Glow-In-Dark, Add	*0.38*	
		For Reflective Finish, Add	*0.43*	

10 14 23 11-0012 Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Signs

(10 14 23 11-0002)

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0013	EA	Up To 25 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	33.07	10.25
		For >25 To 50, Deduct	*-1.26*	
		For >50 To 100, Deduct	*-3.14*	
		For >100, Deduct	*-3.77*	
		For Glow-In-Dark, Add	*25.12*	
		For Reflective Finish, Add	*27.00*	
10 14 23 11-0014	EA	>25 To 50 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	40.05	10.25
		For >25 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-4.89*	
		For >100, Deduct	*-5.86*	
		For Glow-In-Dark, Add	*39.08*	
		For Reflective Finish, Add	*42.01*	
10 14 23 11-0015	EA	>50 To 100 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	54.01	10.25
		For >25 To 50, Deduct	*-3.35*	
		For >50 To 100, Deduct	*-8.38*	
		For >100, Deduct	*-10.05*	
		For Glow-In-Dark, Add	*67.00*	
		For Reflective Finish, Add	*72.03*	
10 14 23 11-0016	EA	>100 To 250 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	67.97	10.25
		For >25 To 50, Deduct	*-4.75*	
		For >50 To 100, Deduct	*-11.87*	
		For >100, Deduct	*-14.24*	
		For Glow-In-Dark, Add	*94.92*	
		For Reflective Finish, Add	*102.04*	
10 14 23 11-0017	EA	>250 To 500 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	88.91	10.25
		For >25 To 50, Deduct	*-6.84*	
		For >50 To 100, Deduct	*-17.10*	
		For >100, Deduct	*-20.52*	
		For Glow-In-Dark, Add	*136.80*	
		For Reflective Finish, Add	*147.06*	
10 14 23 11-0018	EA	>500 To 750 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	109.85	10.25
		For >25 To 50, Deduct	*-8.93*	
		For >50 To 100, Deduct	*-22.34*	
		For >100, Deduct	*-26.80*	
		For Glow-In-Dark, Add	*178.68*	
		For Reflective Finish, Add	*192.08*	
10 14 23 11-0019	EA	>750 To 1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	132.19	10.25
		For >25 To 50, Deduct	*-11.17*	
		For >50 To 100, Deduct	*-27.92*	
		For >100, Deduct	*-33.50*	
		For Glow-In-Dark, Add	*223.36*	
		For Reflective Finish, Add	*240.11*	
10 14 23 11-0020	SI	>1,000 SI, Semi-Rigid Polyvinyl Chloride (PVC), Surface Mount, Indoor/Outdoor Sign	0.14	0.01
		For Glow-In-Dark, Add	*0.24*	
		For Reflective Finish, Add	*0.26*	

10 14 23 11-0021 Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0022	EA	Up To 25 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	54.01	10.25
		For >25 To 50, Deduct	*-3.35*	
		For >50 To 100, Deduct	*-8.38*	
		For >100, Deduct	*-10.05*	
		For Molded Plastic Frame, Add	*15.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*23.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	
10 14 23 11-0023	EA	>25 To 50 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	62.39	10.25
		For >25 To 50, Deduct	*-4.19*	
		For >50 To 100, Deduct	*-10.47*	
		For >100, Deduct	*-12.56*	
		For Molded Plastic Frame, Add	*17.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*28.00*	
		For 2" Height Slider Channel For Custom Inserts, Add	*35.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0024	EA	>50 To 75 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	76.35	10.25
		For >25 To 50, Deduct	*-5.58*	
		For >50 To 100, Deduct	*-13.96*	
		For >100, Deduct	*-16.75*	
		For Molded Plastic Frame, Add	*19.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*31.00*	
10 14 23 11-0025	EA	>75 To 100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	89.47	10.25
		For >25 To 50, Deduct	*-6.90*	
		For >50 To 100, Deduct	*-17.24*	
		For >100, Deduct	*-20.69*	
		For Molded Plastic Frame, Add	*21.00*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*35.00*	
10 14 23 11-0026	SI	>100 SI, Acrylic, Surface Mount, Indoor/Outdoor Signs With Braille	0.98	0.10
		For Molded Plastic Frame, Add	*0.20*	
		For Brushed Metal Finish/Faux Metal Finish, Add	*0.31*	

10 14 23 11-0027 Engraved Steel, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting. Excludes frame.

10 14 23 11-0028	EA	Up To 25 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	73.56	10.25
		For >25 To 50, Deduct	*-5.31*	
		For >50 To 100, Deduct	*-13.26*	
		For >100, Deduct	*-15.92*	
		For Molded Plastic Frame, Add	*15.00*	
10 14 23 11-0029	EA	>25 To 50 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	90.31	10.25
		For >25 To 50, Deduct	*-6.98*	
		For >50 To 100, Deduct	*-17.45*	
		For >100, Deduct	*-20.94*	
		For Molded Plastic Frame, Add	*17.00*	
10 14 23 11-0030	EA	>50 To 75 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	112.65	10.25
		For >25 To 50, Deduct	*-9.21*	
		For >50 To 100, Deduct	*-23.04*	
		For >100, Deduct	*-27.64*	
		For Molded Plastic Frame, Add	*19.00*	
10 14 23 11-0031	EA	>75 To 100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	157.32	10.25
		For >25 To 50, Deduct	*-13.68*	
		For >50 To 100, Deduct	*-34.20*	
		For >100, Deduct	*-41.04*	
		For Molded Plastic Frame, Add	*21.00*	
10 14 23 11-0032	SI	>100 SI, Engraved Steel, Surface Mount, Indoor/Outdoor Sign	1.57	0.10
		For Molded Plastic Frame, Add	*0.20*	

10 14 23 11-0033 Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Signs *(10 14 23 11-0002)*

Note: Multi-color with words, symbols and graphics. Includes adhesive or fasteners for mounting.

10 14 23 11-0034	EA	Up To 25 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	31.68	10.25
		For >25 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-2.79*	
		For >100, Deduct	*-3.35*	
		For Glow-In-Dark, Add	*6.70*	
		For Reflective Finish, Add	*8.38*	
10 14 23 11-0035	EA	>25 To 50 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	40.05	10.25
		For >25 To 50, Deduct	*-1.95*	
		For >50 To 100, Deduct	*-4.89*	
		For >100, Deduct	*-5.86*	
		For Glow-In-Dark, Add	*11.72*	
		For Reflective Finish, Add	*14.66*	
10 14 23 11-0036	EA	>50 To 100 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	56.81	10.25
		For >25 To 50, Deduct	*-3.63*	
		For >50 To 100, Deduct	*-9.08*	
		For >100, Deduct	*-10.89*	
		For Glow-In-Dark, Add	*21.78*	
		For Reflective Finish, Add	*27.23*	
10 14 23 11-0037	EA	>100 To 250 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	76.35	10.25
		For >25 To 50, Deduct	*-5.58*	
		For >50 To 100, Deduct	*-13.96*	
		For >100, Deduct	*-16.75*	
		For Glow-In-Dark, Add	*33.50*	
		For Reflective Finish, Add	*41.88*	
10 14 23 11-0038	EA	>250 To 500 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	134.98	10.25
		For >25 To 50, Deduct	*-11.45*	
		For >50 To 100, Deduct	*-28.62*	
		For >100, Deduct	*-34.34*	
		For Glow-In-Dark, Add	*68.68*	
		For Reflective Finish, Add	*85.85*	
10 14 23 11-0039	EA	>500 To 750 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	160.11	10.25
		For >25 To 50, Deduct	*-13.96*	
		For >50 To 100, Deduct	*-34.90*	
		For >100, Deduct	*-41.88*	
		For Glow-In-Dark, Add	*83.76*	
		For Reflective Finish, Add	*104.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0040	EA	>750 To 1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	193.61	10.25
		For >25 To 50, Deduct	*-17.31*	
		For >50 To 100, Deduct	*-43.28*	
		For >100, Deduct	*-51.93*	
		For Glow-In-Dark, Add	*103.86*	
		For Reflective Finish, Add	*129.83*	
10 14 23 11-0041	SI	>1,000 SI, Enamel Coated Aluminum, Surface Mount, Indoor/Outdoor Sign	0.21	0.01
		For Glow-In-Dark, Add	*0.11*	
		For Reflective Finish, Add	*0.14*	

10 14 23 11-0042 California Title 24, Surface Mount, Signs *(10 14 23 11-0002)*

10 14 23 11-0043 California Title 24, Surface Mount, Geometric Restroom Signs *(10 14 23 11-0042)*

Note: Includes 1/4" thick acrylic or PVC construction, color that contrasts with the door color, and with or without the international symbol of accessibility and staff only designation.

10 14 23 11-0044	EA	1/4" Thick, Equilateral Triangle With 12" Long Edges, California Title 24, Surface Mount, Geometric Male Restroom Sign	123.12	10.25
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-15.39*	
		For >100, Deduct	*-17.44*	
10 14 23 11-0045	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Female Restroom Sign	123.12	10.25
		For >25 To 50, Deduct	*-10.26*	
		For >50 To 100, Deduct	*-15.39*	
		For >100, Deduct	*-17.44*	
10 14 23 11-0046	EA	1/4" Thick, 12" Diameter, California Title 24, Surface Mount, Geometric Unisex Restroom Sign	164.16	10.25
		Note: Includes contrasting color equilateral triangle with 12" long edges superimposed on the circle.		
		For >25 To 50, Deduct	*-14.37*	
		For >50 To 100, Deduct	*-21.55*	
		For >100, Deduct	*-24.42*	

10 14 23 11-0047 California Title 24, Surface Mount, Stairwell Signs *(10 14 23 11-0042)*

Note: Includes 1/16" matte finish colored polymer face plate with 1/16" acrylic backer. Includes information on stairway location, roof access availability, floor level number, basement or mezzanine level identification and exit level and direction.

10 14 23 11-0048	EA	1/8" Thick, 12" x 18", California Title 24, Surface Mount, Stairwell Sign	252.11	10.25
		For >25 To 50, Deduct	*-23.16*	
		For >50 To 100, Deduct	*-34.74*	
		For >100, Deduct	*-39.37*	

10 14 23 11-0049 Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0050 Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Signs *(10 14 23 11-0049)*

10 14 23 11-0051	EA	Up To 25 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	44.07	14.35
		For >25 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-3.84*	
		For >100, Deduct	*-4.61*	
		For Glow-In-Dark, Add	*9.22*	
		For Reflective Finish, Add	*11.52*	
10 14 23 11-0052	EA	>25 To 50 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	56.63	14.35
		For >25 To 50, Deduct	*-2.79*	
		For >50 To 100, Deduct	*-6.98*	
		For >100, Deduct	*-8.38*	
		For Glow-In-Dark, Add	*16.75*	
		For Reflective Finish, Add	*20.94*	
10 14 23 11-0053	EA	>50 To 100 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	73.38	14.35
		For >25 To 50, Deduct	*-4.47*	
		For >50 To 100, Deduct	*-11.17*	
		For >100, Deduct	*-13.40*	
		For Glow-In-Dark, Add	*26.80*	
		For Reflective Finish, Add	*33.50*	
10 14 23 11-0054	EA	>100 To 150 SI, Enamel Coated Aluminum, Ceiling Mount, Indoor/Outdoor Sign	98.51	14.35
		For >25 To 50, Deduct	*-6.98*	
		For >50 To 100, Deduct	*-17.45*	
		For >100, Deduct	*-20.94*	
		For Glow-In-Dark, Add	*41.88*	
		For Reflective Finish, Add	*52.35*	

10 14 23 11-0055 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0056 Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0055)*

10 14 23 11-0057	EA	Up To 25 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	45.46	14.35
		For >25 To 50, Deduct	*-1.68*	
		For >50 To 100, Deduct	*-4.19*	
		For >100, Deduct	*-5.03*	
		For Glow-In-Dark, Add	*10.05*	
		For Reflective Finish, Add	*12.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0058	EA	>25 To 50 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	59.42	14.35
		For >25 To 50, Deduct	*-3.07*	
		For >50 To 100, Deduct	*-7.68*	
		For >100, Deduct	*-9.21*	
		For Glow-In-Dark, Add	*18.43*	
		For Reflective Finish, Add	*23.03*	
10 14 23 11-0059	EA	>50 To 100 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	90.13	14.35
		For >25 To 50, Deduct	*-6.14*	
		For >50 To 100, Deduct	*-15.36*	
		For >100, Deduct	*-18.43*	
		For Glow-In-Dark, Add	*36.85*	
		For Reflective Finish, Add	*46.07*	
10 14 23 11-0060	EA	>100 To 150 SI, Enamel Coated Aluminum, 90 Degree, Projection Mount, Indoor/Outdoor Sign	101.30	14.35
		For >25 To 50, Deduct	*-7.26*	
		For >50 To 100, Deduct	*-18.15*	
		For >100, Deduct	*-21.78*	
		For Glow-In-Dark, Add	*43.55*	
		For Reflective Finish, Add	*54.44*	

10 14 23 11-0061 Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0001)*

10 14 23 11-0062 Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Signs *(10 14 23 11-0061)*

10 14 23 11-0063	EA	Up To 25 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	49.65	14.35
		For >25 To 50, Deduct	*-2.09*	
		For >50 To 100, Deduct	*-5.24*	
		For >100, Deduct	*-6.28*	
		For Glow-In-Dark, Add	*12.56*	
		For Reflective Finish, Add	*15.71*	
10 14 23 11-0064	EA	>25 To 50 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	70.59	14.35
		For >25 To 50, Deduct	*-4.19*	
		For >50 To 100, Deduct	*-10.47*	
		For >100, Deduct	*-12.56*	
		For Glow-In-Dark, Add	*25.13*	
		For Reflective Finish, Add	*31.41*	
10 14 23 11-0065	EA	>50 To 100 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	78.97	14.35
		For >25 To 50, Deduct	*-5.03*	
		For >50 To 100, Deduct	*-12.57*	
		For >100, Deduct	*-15.08*	
		For Glow-In-Dark, Add	*30.16*	
		For Reflective Finish, Add	*37.70*	
10 14 23 11-0066	EA	>100 To 150 SI, Enamel Coated Aluminum, Triangle, Projection Mount, Indoor/Outdoor Sign	90.13	14.35
		For >25 To 50, Deduct	*-6.14*	
		For >50 To 100, Deduct	*-15.36*	
		For >100, Deduct	*-18.43*	
		For Glow-In-Dark, Add	*36.85*	
		For Reflective Finish, Add	*46.07*	

10 14 23 11-0067 Adhesive Backed Vinyl Characters *(10 14 23 11)*

Note: Includes capital or lower case letters in any font or color. Includes numbers, symbols, punctuation marks, etc. Includes adhesive.

10 14 23 11-0068	EA	1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.26	0.82
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.60*	
10 14 23 11-0069	EA	3/4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.41	0.94
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.64*	
10 14 23 11-0070	EA	1" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	3.56	1.06
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.68*	
10 14 23 11-0071	EA	1-1/2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.61	1.23
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.83*	
10 14 23 11-0072	EA	2" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	4.82	1.44
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*0.89*	
10 14 23 11-0073	EA	3" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	6.93	1.64
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.31*	
10 14 23 11-0074	EA	4" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	7.55	1.85
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*1.46*	
10 14 23 11-0075	EA	6" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	10.30	2.05
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.04*	
10 14 23 11-0076	EA	8" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	12.80	2.26
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*2.67*	
10 14 23 11-0077	EA	10" High, 3 Mil, Adhesive Backed Vinyl Sign Letter/Character	16.56	2.46
		For Pressure Sensitive Vinyl Letters, Custom Cut, Add	*3.50*	

10 14 23 11-0078 Standoffs For Wall Signage *(10 14 23 11)*

Note: Exxcludes signage

10 14 23 11-0079	EA	1/2" Diameter x 1/2" Long, Stainless Steel Standoff	11.73	4.65
10 14 23 11-0080	EA	1/2" Diameter x 3/4" Long, Stainless Steel Standoff	12.05	4.65
10 14 23 11-0081	EA	1/2" Diameter x 1" Long, Stainless Steel Standoff	12.13	4.65
10 14 23 11-0082	EA	5/8" Diameter x 1/2" Long, Stainless Steel Standoff	12.75	4.65
10 14 23 11-0083	EA	5/8" Diameter x 3/4" Long, Stainless Steel Standoff	13.07	4.65
10 14 23 11-0084	EA	5/8" Diameter x 1" Long, Stainless Steel Standoff	13.70	4.65
10 14 23 11-0085	EA	3/4" Diameter x 3/4" Long, Stainless Steel Standoff	13.69	5.57
10 14 23 11-0086	EA	3/4" Diameter x 1" Long, Stainless Steel Standoff	14.56	5.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 23 11-0087	EA	3/4" Diameter x 1-1/2" Long, Stainless Steel Standoff	15.27	5.57
10 14 23 11-0088	EA	1" Diameter x 3/4" Long, Stainless Steel Standoff	16.21	5.57
10 14 23 11-0089	EA	1" Diameter x 1" Long, Stainless Steel Standoff	17.24	5.57
10 14 23 11-0090	EA	1" Diameter x 1-1/2" Long, Stainless Steel Standoff	18.50	5.57
10 14 23 11-0091	EA	5/8" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	12.99	4.65
10 14 23 11-0092	EA	5/8" Diameter x 1" Long, Clear Anodized Aluminum Standoff	13.23	4.65
10 14 23 11-0093	EA	3/4" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	14.40	5.57
10 14 23 11-0094	EA	3/4" Diameter x 1" Long, Clear Anodized Aluminum Standoff	14.64	5.57
10 14 23 11-0095	EA	1" Diameter x 3/4" Long, Clear Anodized Aluminum Standoff	15.89	5.57
10 14 23 11-0096	EA	1" Diameter x 1" Long, Clear Anodized Aluminum Standoff	16.05	5.57

10 14 23 11-0097 Removal And Reinstallation Of Building Signage *(10 14 23 11)*

Note: Includes storage and cleaning.

10 14 23 11-0098	EA	Removal And Reinstallation Of Building Signage, Exterior Up To 4 SF	162.59	
10 14 23 11-0099	EA	Removal And Reinstallation Of Building Signage, Exterior >4 To 12 SF	186.99	
10 14 23 11-0100	EA	Removal And Reinstallation Of Building Signage, >12 To 20 SF	210.21	
10 14 23 11-0101	EA	Removal And Reinstallation Of Interior Door And Office Signage, Up To 4SF	61.52	

10 14 23 11-0102 Building Sign *(10 14 23 11)*

Note: Includes 4" numbers painted on. Installed on building.

10 14 23 11-0103	EA	6" x 18" Metal Building Sign With Numbers	138.45	24.61
10 14 23 11-0104	SF	Double Sided, Molding On Two Sides, For Mounting On Aluminum Posts	40.77	6.50
10 14 23 11-0105	SF	Single Sided, Molding On One Side, For Mounting On Structure Up To 20'	30.47	6.04
10 14 23 11-0106	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 6' High, 3' Deep	23.08	5.11
10 14 23 11-0107	EA	Aluminum Posts, Formed Prefinished, Ribbed, 4" Square, 8' High, 3' Deep	26.66	5.58
10 14 23 11-0108	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 10' High, 3' Deep	29.24	6.04
10 14 23 11-0109	EA	Aluminum Posts, Formed Prefinished, Ribbed, 6" Square, 15' High, 4' Deep	34.46	6.50

10 14 53 Traffic Signage *(10 14)*

10 14 53 11 Traffic Signage *(10 14 53)*

10 14 53 11-0001 Traffic Signs *(10 14 53 11)*

10 14 53 11-0002 Reflectorized Stop Signs And Other Traffic Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0003 Aluminum Engineer Grade Stop Signs *(10 14 53 11-0002)*

10 14 53 11-0004	EA	18" x 18" Aluminum Engineer Grade Stop Sign	63.01	18.46
		For Hi-Intensity Grade, Add	*7.83*	
		For Diamond Grade, Add	*14.88*	
10 14 53 11-0005	EA	18" x 24" Aluminum Engineer Grade Stop Sign	73.10	19.52
		For Hi-Intensity Grade, Add	*10.24*	
		For Diamond Grade, Add	*19.45*	
10 14 53 11-0006	EA	24" x 24" Aluminum Engineer Grade Stop Sign	79.17	20.51
		For Hi-Intensity Grade, Add	*15.64*	
		For Diamond Grade, Add	*24.80*	
10 14 53 11-0007	EA	30" x 30" Aluminum Engineer Grade Stop Sign	91.92	21.57
		For Hi-Intensity Grade, Add	*5.86*	
		For Diamond Grade, Add	*31.75*	
10 14 53 11-0008	EA	36" x 36" Aluminum Engineer Grade Stop Sign	123.42	22.56
		For Hi-Intensity Grade, Add	*17.23*	
		For Diamond Grade, Add	*54.03*	

10 14 53 11-0009 Other Reflectorized Traffic Signs *(10 14 53 11-0002)*

Note: Other traffic signs includes reserve, handicap, visitor, no parking, property, speed limit, tow away, ADA, parking time limit, parking exclusive area, school, traffic/caution, etc. Excludes posts.

10 14 53 11-0010 Aluminum Engineer Grade Traffic Signs *(10 14 53 11-0009)*

10 14 53 11-0011	EA	6" x 12" Aluminum Engineer Grade Traffic Sign	39.29	16.40
		For Hi-Intensity Grade, Add	*1.94*	
10 14 53 11-0012	EA	6" x 18" Aluminum Engineer Grade Traffic Sign	42.52	16.40
		For Hi-Intensity Grade, Add	*2.91*	
10 14 53 11-0013	EA	9" x 12" Aluminum Engineer Grade Traffic Sign	42.52	16.40
		For Hi-Intensity Grade, Add	*2.91*	
10 14 53 11-0014	EA	9" x 15" Aluminum Engineer Grade Traffic Sign	44.94	16.40
		For Hi-Intensity Grade, Add	*3.64*	
10 14 53 11-0015	EA	9" x 18" Aluminum Engineer Grade Traffic Sign	47.37	16.40
		For Hi-Intensity Grade, Add	*4.37*	
10 14 53 11-0016	EA	9" x 24" Aluminum Engineer Grade Traffic Sign	54.26	17.44
		For Hi-Intensity Grade, Add	*5.82*	
10 14 53 11-0017	EA	9" x 48" Aluminum Engineer Grade Traffic Sign	73.65	17.44
		For Hi-Intensity Grade, Add	*11.64*	
10 14 53 11-0018	EA	12" x 12" Aluminum Engineer Grade Traffic Sign	45.75	16.40
		For Hi-Intensity Grade, Add	*3.88*	
10 14 53 11-0019	EA	12" x 18" Aluminum Engineer Grade Traffic Sign	54.26	17.44
		For Hi-Intensity Grade, Add	*5.82*	
10 14 53 11-0020	EA	12" x 24" Aluminum Engineer Grade Traffic Sign	60.72	17.44
		For Hi-Intensity Grade, Add	*7.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0021	EA	12" x 30" Aluminum Engineer Grade Traffic Sign	67.19	17.44
		For Hi-Intensity Grade, Add	*9.70*	
10 14 53 11-0022	EA	12" x 36" Aluminum Engineer Grade Traffic Sign	73.65	17.44
		For Hi-Intensity Grade, Add	*11.64*	
10 14 53 11-0023	EA	18" x 18" Aluminum Engineer Grade Traffic Sign	63.96	17.44
		For Hi-Intensity Grade, Add	*8.73*	
10 14 53 11-0024	EA	18" x 24" Aluminum Engineer Grade Traffic Sign	73.65	17.44
		For Hi-Intensity Grade, Add	*11.64*	
10 14 53 11-0025	EA	18" x 30" Aluminum Engineer Grade Traffic Sign	85.40	18.46
		For Hi-Intensity Grade, Add	*14.55*	
10 14 53 11-0026	EA	18" x 36" Aluminum Engineer Grade Traffic Sign	95.10	18.46
		For Hi-Intensity Grade, Add	*17.46*	
10 14 53 11-0027	EA	18" x 48" Aluminum Engineer Grade Traffic Sign	122.71	22.56
		For Hi-Intensity Grade, Add	*23.28*	
10 14 53 11-0028	EA	18" x 54" Aluminum Engineer Grade Traffic Sign	132.41	22.56
		For Hi-Intensity Grade, Add	*26.19*	
10 14 53 11-0029	EA	24" x 24" Aluminum Engineer Grade Traffic Sign	88.63	18.46
		For Hi-Intensity Grade, Add	*15.52*	
10 14 53 11-0030	EA	24" x 30" Aluminum Engineer Grade Traffic Sign	101.57	18.46
		For Hi-Intensity Grade, Add	*19.40*	
10 14 53 11-0031	EA	24" x 36" Aluminum Engineer Grade Traffic Sign	114.50	18.46
		For Hi-Intensity Grade, Add	*23.28*	
10 14 53 11-0032	EA	24" x 42" Aluminum Engineer Grade Traffic Sign	135.64	22.56
		For Hi-Intensity Grade, Add	*27.16*	
10 14 53 11-0033	EA	24" x 48" Aluminum Engineer Grade Traffic Sign	148.57	22.56
		For Hi-Intensity Grade, Add	*31.04*	
10 14 53 11-0034	EA	24" x 54" Aluminum Engineer Grade Traffic Sign	161.50	22.56
		For Hi-Intensity Grade, Add	*34.91*	
10 14 53 11-0035	EA	24" x 60" Aluminum Engineer Grade Traffic Sign	174.43	22.56
		For Hi-Intensity Grade, Add	*38.79*	
10 14 53 11-0036	EA	30" x 30" Aluminum Engineer Grade Traffic Sign	117.73	18.46
		For Hi-Intensity Grade, Add	*24.25*	
10 14 53 11-0037	EA	30" x 36" Aluminum Engineer Grade Traffic Sign	142.10	22.56
		For Hi-Intensity Grade, Add	*29.09*	
10 14 53 11-0038	EA	30" x 42" Aluminum Engineer Grade Traffic Sign	158.27	22.56
		For Hi-Intensity Grade, Add	*33.95*	
10 14 53 11-0039	EA	30" x 48" Aluminum Engineer Grade Traffic Sign	182.63	26.66
		For Hi-Intensity Grade, Add	*38.79*	
10 14 53 11-0040	EA	30" x 60" Aluminum Engineer Grade Traffic Sign	223.17	30.76
		For Hi-Intensity Grade, Add	*48.49*	
10 14 53 11-0041	EA	36" x 36" Aluminum Engineer Grade Traffic Sign	161.50	22.56
		For Hi-Intensity Grade, Add	*34.91*	
10 14 53 11-0042	EA	36" x 42" Aluminum Engineer Grade Traffic Sign	189.10	26.66
		For Hi-Intensity Grade, Add	*40.73*	
10 14 53 11-0043	EA	36" x 48" Aluminum Engineer Grade Traffic Sign	216.70	30.76
		For Hi-Intensity Grade, Add	*46.55*	
10 14 53 11-0044	EA	36" x 54" Aluminum Engineer Grade Traffic Sign	236.10	30.76
		For Hi-Intensity Grade, Add	*52.37*	
10 14 53 11-0045	EA	36" x 60" Aluminum Engineer Grade Traffic Sign	263.70	34.86
		For Hi-Intensity Grade, Add	*58.19*	
10 14 53 11-0046	EA	36" x 73" Aluminum Engineer Grade Traffic Sign	313.92	38.97
		For Hi-Intensity Grade, Add	*70.80*	
10 14 53 11-0047	EA	36" x 78" Aluminum Engineer Grade Traffic Sign	330.09	38.97
		For Hi-Intensity Grade, Add	*75.65*	
10 14 53 11-0048	EA	36" x 108" Aluminum Engineer Grade Traffic Sign	439.38	45.12
		For Hi-Intensity Grade, Add	*104.74*	
10 14 53 11-0049	EA	42" x 42" Aluminum Engineer Grade Traffic Sign	219.94	30.76
		For Hi-Intensity Grade, Add	*47.52*	
10 14 53 11-0050	EA	48" x 48" Aluminum Engineer Grade Traffic Sign	276.63	34.86
		For Hi-Intensity Grade, Add	*62.07*	
10 14 53 11-0051	EA	48" x 54" Aluminum Engineer Grade Traffic Sign	310.69	38.97
		For Hi-Intensity Grade, Add	*69.83*	
10 14 53 11-0052	EA	48" x 60" Aluminum Engineer Grade Traffic Sign	336.55	38.97
		For Hi-Intensity Grade, Add	*77.59*	
10 14 53 11-0053	EA	48" x 66" Aluminum Engineer Grade Traffic Sign	374.73	45.12
		For Hi-Intensity Grade, Add	*85.35*	
10 14 53 11-0054	EA	48" x 72" Aluminum Engineer Grade Traffic Sign	400.59	45.12
		For Hi-Intensity Grade, Add	*93.11*	
10 14 53 11-0055	EA	48" x 84" Aluminum Engineer Grade Traffic Sign	460.51	49.22
		For Hi-Intensity Grade, Add	*108.62*	
10 14 53 11-0056	EA	48" x 96" Aluminum Engineer Grade Traffic Sign	512.24	49.22
		For Hi-Intensity Grade, Add	*124.14*	
10 14 53 11-0057	EA	48" x 102" Aluminum Engineer Grade Traffic Sign	538.10	49.22
		For Hi-Intensity Grade, Add	*131.90*	
10 14 53 11-0058	EA	48" x 108" Aluminum Engineer Grade Traffic Sign	568.06	51.27
		For Hi-Intensity Grade, Add	*139.66*	
10 14 53 11-0059	EA	60" x 72" Aluminum Engineer Grade Traffic Sign	486.38	49.22
		For Hi-Intensity Grade, Add	*116.38*	
10 14 53 11-0060	EA	72" x 144" Aluminum Engineer Grade Traffic Sign	1,062.29	65.62
		For Hi-Intensity Grade, Add	*279.31*	
10 14 53 11-0061	EA	78" x 96" Aluminum Engineer Grade Traffic Sign	774.96	51.27
		For Hi-Intensity Grade, Add	*201.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0062		**Non-Reflectorized Traffic Signs** *(10 14 53 11-0001)* Note: Includes reserved parking, handicap parking, visitor parking, no parking, tow away zones, etc. Excludes posts.		
10 14 53 11-0063		**Steel Non-Reflectorized Traffic Signs** *(10 14 53 11-0062)*		
10 14 53 11-0064	EA	6" x 12" Steel Non Reflectorized Traffic Sign	38.41	16.40
10 14 53 11-0065	EA	6" x 18" Steel Non Reflectorized Traffic Sign	41.20	16.40
10 14 53 11-0066	EA	9" x 12" Steel Non Reflectorized Traffic Sign	41.20	16.40
10 14 53 11-0067	EA	9" x 15" Steel Non Reflectorized Traffic Sign	43.30	16.40
10 14 53 11-0068	EA	9" x 18" Steel Non Reflectorized Traffic Sign	45.40	16.40
10 14 53 11-0069	EA	9" x 24" Steel Non Reflectorized Traffic Sign	51.63	17.44
10 14 53 11-0070	EA	9" x 48" Steel Non Reflectorized Traffic Sign	68.40	17.44
10 14 53 11-0071	EA	12" x 12" Steel Non Reflectorized Traffic Sign	44.00	16.40
10 14 53 11-0072	EA	12" x 18" Steel Non Reflectorized Traffic Sign	51.63	17.44
10 14 53 11-0073	EA	12" x 24" Steel Non Reflectorized Traffic Sign	57.22	17.44
10 14 53 11-0074	EA	12" x 30" Steel Non Reflectorized Traffic Sign	62.81	17.44
10 14 53 11-0075	EA	12" x 36" Steel Non Reflectorized Traffic Sign	68.40	17.44
10 14 53 11-0076	EA	18" x 18" Steel Non Reflectorized Traffic Sign	60.01	17.44
10 14 53 11-0077	EA	18" x 24" Steel Non Reflectorized Traffic Sign	68.40	17.44
10 14 53 11-0078	EA	18" x 30" Steel Non Reflectorized Traffic Sign	78.83	18.46
10 14 53 11-0079	EA	18" x 36" Steel Non Reflectorized Traffic Sign	87.22	18.46
10 14 53 11-0080	EA	18" x 48" Steel Non Reflectorized Traffic Sign	112.19	22.56
10 14 53 11-0081	EA	18" x 54" Steel Non Reflectorized Traffic Sign	120.58	22.56
10 14 53 11-0082	EA	24" x 24" Steel Non Reflectorized Traffic Sign	81.63	18.46
10 14 53 11-0083	EA	24" x 30" Steel Non Reflectorized Traffic Sign	92.80	18.46
10 14 53 11-0084	EA	24" x 36" Steel Non Reflectorized Traffic Sign	103.98	18.46
10 14 53 11-0085	EA	24" x 42" Steel Non Reflectorized Traffic Sign	123.37	22.56
10 14 53 11-0086	EA	24" x 48" Steel Non Reflectorized Traffic Sign	134.55	22.56
10 14 53 11-0087	EA	24" x 54" Steel Non Reflectorized Traffic Sign	145.73	22.56
10 14 53 11-0088	EA	24" x 60" Steel Non Reflectorized Traffic Sign	156.91	22.56
10 14 53 11-0089	EA	30" x 30" Steel Non Reflectorized Traffic Sign	106.78	18.46
10 14 53 11-0090	EA	30" x 36" Steel Non Reflectorized Traffic Sign	128.96	22.56
10 14 53 11-0091	EA	30" x 42" Steel Non Reflectorized Traffic Sign	142.94	22.56
10 14 53 11-0092	EA	30" x 48" Steel Non Reflectorized Traffic Sign	165.11	26.66
10 14 53 11-0093	EA	30" x 60" Steel Non Reflectorized Traffic Sign	201.27	30.76
10 14 53 11-0094	EA	36" x 36" Steel Non Reflectorized Traffic Sign	145.73	22.56
10 14 53 11-0095	EA	36" x 42" Steel Non Reflectorized Traffic Sign	170.70	26.66
10 14 53 11-0096	EA	36" x 48" Steel Non Reflectorized Traffic Sign	195.68	30.76
10 14 53 11-0097	EA	36" x 54" Steel Non Reflectorized Traffic Sign	212.45	30.76
10 14 53 11-0098	EA	36" x 60" Steel Non Reflectorized Traffic Sign	237.41	34.86
10 14 53 11-0099	EA	36" x 73" Steel Non Reflectorized Traffic Sign	281.95	38.97
10 14 53 11-0100	EA	36" x 78" Steel Non Reflectorized Traffic Sign	295.92	38.97
10 14 53 11-0101	EA	36" x 108" Steel Non Reflectorized Traffic Sign	392.07	45.12
10 14 53 11-0102	EA	42" x 42" Steel Non Reflectorized Traffic Sign	198.47	30.76
10 14 53 11-0103	EA	48" x 48" Steel Non Reflectorized Traffic Sign	248.59	34.86
10 14 53 11-0104	EA	48" x 54" Steel Non Reflectorized Traffic Sign	279.15	38.97
10 14 53 11-0105	EA	48" x 60" Steel Non Reflectorized Traffic Sign	301.51	38.97
10 14 53 11-0106	EA	48" x 66" Steel Non Reflectorized Traffic Sign	336.18	45.12
10 14 53 11-0107	EA	48" x 72" Steel Non Reflectorized Traffic Sign	358.54	45.12
10 14 53 11-0108	EA	48" x 84" Steel Non Reflectorized Traffic Sign	411.45	49.22
10 14 53 11-0109	EA	48" x 96" Steel Non Reflectorized Traffic Sign	456.17	49.22
10 14 53 11-0110	EA	48" x 102" Steel Non Reflectorized Traffic Sign	478.53	49.22
10 14 53 11-0111	EA	48" x 108" Steel Non Reflectorized Traffic Sign	504.98	51.27
10 14 53 11-0112	EA	60" x 72" Steel Non Reflectorized Traffic Sign	433.81	49.22
10 14 53 11-0113	EA	72" x 144" Steel Non Reflectorized Traffic Sign	936.14	65.62
10 14 53 11-0114	EA	78" x 96" Steel Non Reflectorized Traffic Sign	683.85	51.27
10 14 53 11-0115		**Aluminum Non-Reflectorized Traffic Signs** *(10 14 53 11-0062)*		
10 14 53 11-0116	EA	6" x 12" Aluminum Non Reflectorized Traffic Sign	38.64	16.40
10 14 53 11-0117	EA	6" x 18" Aluminum Non Reflectorized Traffic Sign	41.55	16.40
10 14 53 11-0118	EA	9" x 12" Aluminum Non Reflectorized Traffic Sign	41.55	16.40
10 14 53 11-0119	EA	9" x 15" Aluminum Non Reflectorized Traffic Sign	43.73	16.40
10 14 53 11-0120	EA	9" x 18" Aluminum Non Reflectorized Traffic Sign	45.91	16.40
10 14 53 11-0121	EA	9" x 24" Aluminum Non Reflectorized Traffic Sign	52.31	17.44
10 14 53 11-0122	EA	9" x 48" Aluminum Non Reflectorized Traffic Sign	69.76	17.44
10 14 53 11-0123	EA	12" x 12" Aluminum Non Reflectorized Traffic Sign	44.45	16.40
10 14 53 11-0124	EA	12" x 18" Aluminum Non Reflectorized Traffic Sign	52.31	17.44
10 14 53 11-0125	EA	12" x 24" Aluminum Non Reflectorized Traffic Sign	58.13	17.44
10 14 53 11-0126	EA	12" x 30" Aluminum Non Reflectorized Traffic Sign	63.95	17.44
10 14 53 11-0127	EA	12" x 36" Aluminum Non Reflectorized Traffic Sign	69.76	17.44
10 14 53 11-0128	EA	18" x 18" Aluminum Non Reflectorized Traffic Sign	61.04	17.44
10 14 53 11-0129	EA	18" x 24" Aluminum Non Reflectorized Traffic Sign	69.76	17.44
10 14 53 11-0130	EA	18" x 30" Aluminum Non Reflectorized Traffic Sign	80.54	18.46
10 14 53 11-0131	EA	18" x 36" Aluminum Non Reflectorized Traffic Sign	89.27	18.46
10 14 53 11-0132	EA	18" x 48" Aluminum Non Reflectorized Traffic Sign	114.93	22.56
10 14 53 11-0133	EA	18" x 54" Aluminum Non Reflectorized Traffic Sign	123.65	22.56
10 14 53 11-0134	EA	24" x 24" Aluminum Non Reflectorized Traffic Sign	83.45	18.46
10 14 53 11-0135	EA	24" x 30" Aluminum Non Reflectorized Traffic Sign	95.08	18.46
10 14 53 11-0136	EA	24" x 36" Aluminum Non Reflectorized Traffic Sign	106.72	18.46
10 14 53 11-0137	EA	24" x 42" Aluminum Non Reflectorized Traffic Sign	126.56	22.56

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0138	EA	24" x 48" Aluminum Non Reflectorized Traffic Sign	138.20	22.56
10 14 53 11-0139	EA	24" x 54" Aluminum Non Reflectorized Traffic Sign	149.83	22.56
10 14 53 11-0140	EA	24" x 60" Aluminum Non Reflectorized Traffic Sign	161.47	22.56
10 14 53 11-0141	EA	30" x 30" Aluminum Non Reflectorized Traffic Sign	109.63	18.46
10 14 53 11-0142	EA	30" x 36" Aluminum Non Reflectorized Traffic Sign	132.38	22.56
10 14 53 11-0143	EA	30" x 42" Aluminum Non Reflectorized Traffic Sign	146.92	22.56
10 14 53 11-0144	EA	30" x 48" Aluminum Non Reflectorized Traffic Sign	169.67	26.66
10 14 53 11-0145	EA	30" x 60" Aluminum Non Reflectorized Traffic Sign	206.96	30.76
10 14 53 11-0146	EA	36" x 36" Aluminum Non Reflectorized Traffic Sign	149.83	22.56
10 14 53 11-0147	EA	36" x 42" Aluminum Non Reflectorized Traffic Sign	175.48	26.66
10 14 53 11-0148	EA	36" x 48" Aluminum Non Reflectorized Traffic Sign	201.14	30.76
10 14 53 11-0149	EA	36" x 54" Aluminum Non Reflectorized Traffic Sign	218.60	30.76
10 14 53 11-0150	EA	36" x 60" Aluminum Non Reflectorized Traffic Sign	244.25	34.86
10 14 53 11-0151	EA	36" x 73" Aluminum Non Reflectorized Traffic Sign	290.26	38.97
10 14 53 11-0152	EA	36" x 78" Aluminum Non Reflectorized Traffic Sign	304.80	38.97
10 14 53 11-0153	EA	36" x 108" Aluminum Non Reflectorized Traffic Sign	404.37	45.12
10 14 53 11-0154	EA	42" x 42" Aluminum Non Reflectorized Traffic Sign	204.05	30.76
10 14 53 11-0155	EA	48" x 48" Aluminum Non Reflectorized Traffic Sign	255.88	34.86
10 14 53 11-0156	EA	48" x 54" Aluminum Non Reflectorized Traffic Sign	287.35	38.97
10 14 53 11-0157	EA	48" x 60" Aluminum Non Reflectorized Traffic Sign	310.62	38.97
10 14 53 11-0158	EA	48" x 66" Aluminum Non Reflectorized Traffic Sign	346.20	45.12
10 14 53 11-0159	EA	48" x 72" Aluminum Non Reflectorized Traffic Sign	369.47	45.12
10 14 53 11-0160	EA	48" x 84" Aluminum Non Reflectorized Traffic Sign	424.21	49.22
10 14 53 11-0161	EA	48" x 96" Aluminum Non Reflectorized Traffic Sign	470.75	49.22
10 14 53 11-0162	EA	48" x 102" Aluminum Non Reflectorized Traffic Sign	494.01	49.22
10 14 53 11-0163	EA	48" x 108" Aluminum Non Reflectorized Traffic Sign	521.38	51.27
10 14 53 11-0164	EA	60" x 72" Aluminum Non Reflectorized Traffic Sign	447.48	49.22
10 14 53 11-0165	EA	72" x 144" Aluminum Non Reflectorized Traffic Sign	968.94	65.62
10 14 53 11-0166	EA	78" x 96" Aluminum Non Reflectorized Traffic Sign	707.54	51.27

10 14 53 11-0167 Aluminum Street Signs *(10 14 53 11-0001)*

Note: Excludes posts.

10 14 53 11-0168 Aluminum Engineer Grade Street Signs *(10 14 53 11-0167)*

10 14 53 11-0169	EA	6" High, Aluminum Engineer Grade Street Sign	69.87	8.20
		For Hi-Intensity Grade, Add	*16.04*	
10 14 53 11-0170	EA	8" High, Aluminum Engineer Grade Street Sign	79.31	8.20
		For Hi-Intensity Grade, Add	*18.87*	
10 14 53 11-0171	EA	9" High, Aluminum Engineer Grade Street Sign	86.34	8.20
		For Hi-Intensity Grade, Add	*20.98*	

10 14 53 11-0172 Street Sign Accessories *(10 14 53 11-0167)*

10 14 53 11-0173	EA	Single Bracket And Post Cap For Street Sign	21.06	4.11
10 14 53 11-0174	EA	Double Bracket And Post Cap For Street Sign	21.06	4.11

10 14 53 11-0175 Sign Posts *(10 14 53 11-0001)*

Note: Excludes sign. See CSI section 32 31 13 13-0001 for auguring of holes and backfill.

10 14 53 11-0176 U-Channel Sign Posts *(10 14 53 11-0175)*

Note: Excludes digging and concrete.

10 14 53 11-0177 Baked Enamel U-Channel Sign Posts *(10 14 53 11-0176)*

10 14 53 11-0178	EA	3' To 4' Baked Enamel U-Channel Sign Post Base	55.89	16.78
10 14 53 11-0179	EA	6' Baked Enamel U-Channel Sign Post	73.34	20.98
10 14 53 11-0180	EA	7' Baked Enamel U-Channel Sign Post	87.57	25.18
10 14 53 11-0181	EA	8' Baked Enamel U-Channel Sign Post	102.54	29.37
10 14 53 11-0182	EA	10' Baked Enamel U-Channel Sign Post	123.74	35.67
10 14 53 11-0183	EA	12' Baked Enamel U-Channel Sign Post	127.31	35.67

10 14 53 11-0184 Galvanized Steel U-Channel Sign Posts *(10 14 53 11-0176)*

10 14 53 11-0185	EA	3' To 4' Galvanized Steel U-Channel Sign Post Base	60.49	16.78
10 14 53 11-0186	EA	6' Galvanized Steel U-Channel Sign Post	80.64	20.98
10 14 53 11-0187	EA	7' Galvanized Steel U-Channel Sign Post	104.08	25.18
10 14 53 11-0188	EA	8' Galvanized Steel U-Channel Sign Post	120.79	29.37
10 14 53 11-0189	EA	10' Galvanized Steel U-Channel Sign Post	137.02	35.67
10 14 53 11-0190	EA	12' Galvanized Steel U-Channel Sign Post	138.87	35.67

10 14 53 11-0191 Fiberglass Or Composite Plastic U-Channel Sign Posts *(10 14 53 11-0176)*

10 14 53 11-0192	EA	3' To 4' Fiberglass Or Composite Plastic U-Channel Sign Post Base	54.80	16.78
10 14 53 11-0193	EA	6' Fiberglass Or Composite Plastic U-Channel Sign Post	70.98	20.98
10 14 53 11-0194	EA	7' Fiberglass Or Composite Plastic U-Channel Sign Post	84.72	25.18
10 14 53 11-0195	EA	8' Fiberglass Or Composite Plastic U-Channel Sign Post	99.15	29.37
10 14 53 11-0196	EA	10' Fiberglass Or Composite Plastic U-Channel Sign Post	117.58	35.67
10 14 53 11-0197	EA	12' Fiberglass Or Composite Plastic U-Channel Sign Post	123.66	35.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 14 53 11-0198		**Tubular Sign Posts** *(10 14 53 11-0175)* Note: Excludes digging and concrete.		
10 14 53 11-0199		**2-3/8" Diameter, Galvanized Steel Tubular Sign Post** *(10 14 53 11-0198)*		
10 14 53 11-0200	EA	6', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	81.40	20.98
10 14 53 11-0201	EA	7', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	96.59	25.18
10 14 53 11-0202	EA	8', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	114.10	29.37
10 14 53 11-0203	EA	10', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	147.01	35.67
10 14 53 11-0204	EA	12', 2-3/8" Diameter, Galvanized Steel Tubular Sign Post	159.55	35.67
10 14 53 11-0205		**Square Sign Posts** *(10 14 53 11-0175)* Note: Excludes digging and concrete.		
10 14 53 11-0206		**Galvanized Steel Square Sign Posts** *(10 14 53 11-0205)*		
10 14 53 11-0207	EA	3' To 4' Galvanized Steel Square Sign Post Base	61.51	16.78
10 14 53 11-0208	EA	6' Galvanized Steel Square Sign Post	97.93	20.98
10 14 53 11-0209	EA	7' Galvanized Steel Square Sign Post	114.84	25.18
10 14 53 11-0210	EA	8' Galvanized Steel Square Sign Post	133.96	29.37
10 14 53 11-0211	EA	10' Galvanized Steel Square Sign Post	163.59	35.67
10 14 53 11-0212	EA	12' Galvanized Steel Square Sign Post	172.33	35.67
10 14 53 11-0213		**Sign Post Accessories** *(10 14 53 11-0001)*		
10 14 53 11-0214		**Sign Post Brackets** *(10 14 53 11-0213)*		
10 14 53 11-0215	EA	2-3/8" Outside Diameter, Single Sign Bracket Set	27.75	6.15
10 14 53 11-0216	EA	2-3/8" Outside Diameter, Double Sign Bracket Set	50.07	10.25
10 14 53 11-0217	EA	10 cm - 37 cm Diameter, Buckle Bracket Set	43.16	8.20
10 14 53 11-0218		**Sign Post Caps** *(10 14 53 11-0213)*		
10 14 53 11-0219	EA	Traffic Sign Post Cap	15.37	4.11
10 14 53 11-0220		**Sign Post Replacement Bolts** *(10 14 53 11-0213)*		
10 14 53 11-0221	EA	Signage Fasteners Replacement Note: Includes two 5/16" x 2" long bolts, two 5/16" nuts And four 5/16" washers	10.62	
10 14 53 11-0222		**Removal Of Signs** *(10 14 53 11)* Note: Includes structural supports.		
10 14 53 11-0223	EA	>4 To 10 SF Sign Area, Sign Removal	164.07	
10 14 53 11-0224	EA	>10 To 20 SF Sign Area, Sign Removal	393.76	
10 14 53 11-0225	EA	>20 To 40 SF Sign Area, Sign Removal	590.63	
10 14 53 11-0226	EA	>40 To 100 SF Sign Area, Sign Removal	965.33	
10 14 53 11-0227		**Remove And Reinstall Signs** *(10 14 53 11)* Note: Includes structural supports.		
10 14 53 11-0228	EA	>4 To 10 SF Sign Area, Removal And Reinstallation Of Sign	250.12	
10 14 53 11-0229	EA	>10 To 20 SF Sign Area, Removal And Reinstallation Of Sign	593.49	
10 14 53 11-0230	EA	>20 SF To 40 SF Sign Area, Removal And Reinstallation Of Sign	888.39	
10 14 53 11-0231	EA	>40 SF To 100 SF Sign Area, Removal And Reinstallation Of Sign	1,450.25	
10 14 53 11-0232	EA	Removal And Reinstallation Of Street Sign On Post	94.34	
10 14 53 11-0233	EA	Removal And Relocation Of Traffic Light Note: Excludes electrical hookup.	338.38	

10 20 Interior Specialties *(10)*

10 21 Compartments and Cubicles *(10 20)*

10 21 13 Toilet Compartments *(10 21)*

10 21 13 13 Metal Toilet Compartments *(10 21 13)*

10 21 13 13-0001		**Enamel Coated Steel Toilet Partitions And Urinal Screens** *(10 21 13 13)* Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of galvanized sheet metal, cleaned, primed and finished with oven baked enamel or epoxy coating.		
10 21 13 13-0002		**Enamel Coated Steel Toilet Partitions** *(10 21 13 13-0001)* Note: All colors.		
10 21 13 13-0003		**Floor Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
10 21 13 13-0004	EA	36" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	798.36	104.51
		For >10, Deduct	*-58.93*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0005	EA	60" x 60", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	963.90	113.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0006	EA	60" x 78", Floor Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,029.07	118.45
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0007		**Overhead Braced, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Includes headrail.		
10 21 13 13-0008	EA	36" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	833.60	127.75
		For >10, Deduct	*-57.81*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0009	EA	60" x 60", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	966.97	137.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0010	EA	60" x 78", Overhead Braced, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,021.76	141.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0011		**Floor And Ceiling Anchored, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 13-0012	EA	36" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	983.91	150.97
		For >10, Deduct	*-68.20*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0013	EA	60" x 60", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,145.11	160.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0014	EA	60" x 78", Floor And Ceiling Anchored, Enamel Coated Steel, One Compartment Corner Unit, Complete Americans With Disabilities Act Compliant Toilet Partition	1,202.32	164.90
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0015		**Ceiling Hung, Enamel Coated Steel, Complete Toilet Partitions** *(10 21 13 13-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 13-0016	EA	36" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete Toilet Partition	954.50	174.19
		For >10, Deduct	*-60.61*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0017	EA	60" x 60", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,142.46	183.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0018	EA	60" x 78", Ceiling Hung, Enamel Coated Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,206.01	188.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 13-0019		**Enamel Coated Steel Urinal Screens** *(10 21 13 13-0001)*		
		Note: All colors.		
10 21 13 13-0020		**Floor Anchored, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0021	EA	24" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	423.95	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0022	EA	36" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	469.64	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0023	EA	48" x 58" x 1", Floor Anchored, Enamel Coated Steel, Urinal Screen	516.72	74.29
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0024		**Wall Hung, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0025	EA	18" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	243.01	55.71
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0026	EA	24" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	262.10	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0027	EA	30" x 42" x 1", Wall Hung, Enamel Coated Steel, Urinal Screen	276.97	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0028		**Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0029	EA	18" x 30" x 1", Wall Hung, Wedge Shaped, Enamel Coated Steel, Urinal Screen	312.44	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0030		**Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0031	EA	18" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	348.89	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0032	EA	24" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	372.17	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0033	EA	30" x 58" x 1", Wall Hung And Post Supported, Enamel Coated Steel, Urinal Screen	395.44	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0034		**Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screens** *(10 21 13 13-0019)*		
10 21 13 13-0035	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	393.15	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0036	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	422.04	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0037	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Enamel Coated Steel, Urinal Screen	466.33	74.29
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0038		**Enamel Coated Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 13-0001)* Note: All colors.		
10 21 13 13-0039		**Enamel Coated Steel, Toilet Partition Doors** *(10 21 13 13-0038)*		
10 21 13 13-0040	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	249.93	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 13-0041	EA	26" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	255.53	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 13-0042	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Door	270.92	19.98
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 13-0043	EA	34" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	296.11	19.98
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 13-0044	EA	36" x 58" x 1", Enamel Coated Steel, ADA Compliant Toilet Partition Door	301.71	19.98
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 13-0045		**Enamel Coated Steel, Toilet Partition Panels** *(10 21 13 13-0038)*		
10 21 13 13-0046	EA	6" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	181.72	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0047	EA	12" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	200.37	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0048	EA	18" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	219.01	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0049	EA	24" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	237.66	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0050	EA	30" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	256.30	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0051	EA	36" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	274.94	39.49
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0052	EA	42" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	292.18	41.81
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0053	EA	48" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	310.83	44.13
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0054	EA	55" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	323.88	46.45
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0055	EA	58" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	331.33	47.38
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0056	EA	60" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	341.12	48.77
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0057	EA	70" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	372.36	51.09
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0058	EA	78" x 58" x 1", Enamel Coated Steel, Toilet Partition Panel	399.40	53.42
		For Panel Reinforced At ADA Grab Bar, Add	*42.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0059		**70" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		
10 21 13 13-0060	EA	Up To 4" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	137.05	13.94
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0061	EA	5" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	151.50	16.25
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0062	EA	6" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	167.34	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0063	EA	8" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	194.39	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0064	EA	10" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	220.03	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0065	EA	12" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	245.66	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0066	EA	18" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	316.10	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0067	EA	22" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	362.75	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0068	EA	24" x 70" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	389.78	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0069		**82" Long, Enamel Coated Steel, Toilet Partition Pilasters** *(10 21 13 13-0038)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 13-0070	EA	Up To 4" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	110.46	13.94
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0071	EA	5" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	120.71	16.25
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0072	EA	6" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	132.35	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0073	EA	8" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	149.59	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0074	EA	10" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	165.43	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0075	EA	12" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	182.67	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0076	EA	18" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	225.12	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0077	EA	22" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	253.56	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0078	EA	24" x 82" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	270.80	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 13-0079 96" To 120" Long, Enamel Coated Steel, Partition Pilasters *(10 21 13 13-0038)*

10 21 13 13-0080	EA	Up To 4" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	153.34	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0081	EA	5" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	167.79	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0082	EA	6" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	183.63	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0083	EA	8" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	210.67	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0084	EA	10" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	236.31	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0085	EA	12" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	261.96	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0086	EA	18" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	332.39	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0087	EA	22" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	379.04	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 13-0088	EA	24" x 96" To 120" x 1-1/4", Enamel Coated Steel, Toilet Partition Pilaster	406.08	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 14 Stainless-Steel Toilet Compartments *(10 21 13)*

10 21 13 14-0001 Stainless Steel Toilet Partitions And Urinal Screens *(10 21 13 14)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1-1/4" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of type 304 stainless steel. Includes satin finish.

10 21 13 14-0002 Stainless Steel Toilet Partitions *(10 21 13 14-0001)*

10 21 13 14-0003 Floor Anchored, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

10 21 13 14-0004	EA	36" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,740.08	104.51
		For >10, Deduct	*-153.10*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*535.86*	
10 21 13 14-0005	EA	60" x 60", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,098.20	113.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*654.71*	
10 21 13 14-0006	EA	60" x 78", Floor Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,197.48	118.45
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*686.20*	

10 21 13 14-0007 Overhead Braced, Stainless Steel, Complete Toilet Partitions *(10 21 13 14-0002)*

Note: Includes headrail.

10 21 13 14-0008	EA	36" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	1,482.30	127.75
		For >10, Deduct	*-122.68*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*429.39*	
10 21 13 14-0009	EA	60" x 60", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,800.08	137.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*534.10*	
10 21 13 14-0010	EA	60" x 78", Overhead Braced, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,959.79	141.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*586.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0011		**Floor And Ceiling Anchored, Stainless Steel, Complete Toilet Partitions** *(10 21 13 14-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 14-0012	EA	36" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,047.24	150.97
		For >10, Deduct	*-174.53*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*610.86*	
10 21 13 14-0013	EA	60" x 60", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,195.36	160.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*656.19*	
10 21 13 14-0014	EA	60" x 78", Floor And Ceiling Anchored, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,297.50	164.90
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*688.69*	
10 21 13 14-0015		**Ceiling Hung, Stainless Steel, Complete Toilet Partitions** *(10 21 13 14-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 14-0016	EA	36" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete Toilet Partition	2,054.68	174.19
		For >10, Deduct	*-170.63*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*597.20*	
10 21 13 14-0017	EA	60" x 60", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,494.36	183.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*744.59*	
10 21 13 14-0018	EA	60" x 78", Ceiling Hung, Stainless Steel, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,621.77	188.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For Diamond Pattern Finish, Add	*785.93*	
10 21 13 14-0019		**Stainless Steel Urinal Screens** *(10 21 13 14-0001)*		
10 21 13 14-0020		**Floor Anchored, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0021	EA	24" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	581.35	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*157.98*	
10 21 13 14-0022	EA	36" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	657.16	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*181.25*	
10 21 13 14-0023	EA	48" x 58" x 1", Floor Anchored, Stainless Steel, Urinal Screen	671.90	74.29
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*183.17*	
10 21 13 14-0024		**Wall Hung, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0025	EA	18" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	431.65	55.71
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*112.08*	
10 21 13 14-0026	EA	24" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	467.09	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*121.23*	
10 21 13 14-0027	EA	30" x 42" x 1", Wall Hung, Stainless Steel, Urinal Screen	509.71	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*132.90*	
10 21 13 14-0028		**Wall Hung And Post Supported, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0029	EA	18" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	693.79	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*200.57*	
10 21 13 14-0030	EA	24" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	727.57	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*209.15*	
10 21 13 14-0031	EA	30" x 58" x 1", Wall Hung And Post Supported, Stainless Steel, Urinal Screen	761.19	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*217.67*	
10 21 13 14-0032		**Wall Hung And Overhead Braced, Stainless Steel, Urinal Screens** *(10 21 13 14-0019)*		
10 21 13 14-0033	EA	22" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	581.35	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*157.98*	
10 21 13 14-0034	EA	34" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	657.15	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*181.25*	
10 21 13 14-0035	EA	46" x 58" x 1", Wall Hung And Overhead Braced, Stainless Steel, Urinal Screen	736.09	74.29
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*205.63*	
10 21 13 14-0036		**Stainless Steel Toilet Partition Doors, Panels And Pilasters** *(10 21 13 14-0001)*		
10 21 13 14-0037		**Stainless Steel, Toilet Partition Doors** *(10 21 13 14-0036)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0038	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Door	378.60	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For Diamond Pattern Finish, Add	*119.50*	
10 21 13 14-0039	EA	26" x 58" x 1", Stainless Steel, Toilet Partition Door	432.53	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For Diamond Pattern Finish, Add	*138.38*	
10 21 13 14-0040	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Door	444.65	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For Diamond Pattern Finish, Add	*140.99*	
10 21 13 14-0041	EA	34" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	460.22	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For Diamond Pattern Finish, Add	*146.44*	
10 21 13 14-0042	EA	36" x 58" x 1", Stainless Steel, ADA Compliant Toilet Partition Door	464.55	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For Diamond Pattern Finish, Add	*147.96*	

10 21 13 14-0043 Stainless Steel, Toilet Partition Panels *(10 21 13 14-0036)*

10 21 13 14-0044	EA	6" x 58" x 1", Stainless Steel, Toilet Partition Panel	329.72	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*95.89*	
10 21 13 14-0045	EA	12" x 58" x 1", Stainless Steel, Toilet Partition Panel	366.01	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*106.97*	
10 21 13 14-0046	EA	18" x 58" x 1", Stainless Steel, Toilet Partition Panel	381.59	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*110.80*	
10 21 13 14-0047	EA	24" x 58" x 1", Stainless Steel, Toilet Partition Panel	399.25	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*115.35*	
10 21 13 14-0048	EA	30" x 58" x 1", Stainless Steel, Toilet Partition Panel	428.49	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*123.96*	
10 21 13 14-0049	EA	36" x 58" x 1", Stainless Steel, Toilet Partition Panel	462.39	39.49
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*134.20*	
10 21 13 14-0050	EA	42" x 58" x 1", Stainless Steel, Toilet Partition Panel	540.00	41.81
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*159.74*	
10 21 13 14-0051	EA	48" x 58" x 1", Stainless Steel, Toilet Partition Panel	590.90	44.13
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*175.92*	
10 21 13 14-0052	EA	55" x 58" x 1", Stainless Steel, Toilet Partition Panel	606.50	46.45
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*179.76*	
10 21 13 14-0053	EA	58" x 58" x 1", Stainless Steel, Toilet Partition Panel	636.34	47.38
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*189.55*	
10 21 13 14-0054	EA	60" x 58" x 1", Stainless Steel, Toilet Partition Panel	675.64	48.77
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*202.33*	
10 21 13 14-0055	EA	70" x 58" x 1", Stainless Steel, Toilet Partition Panel	707.93	51.09
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*212.01*	
10 21 13 14-0056	EA	78" x 58" x 1", Stainless Steel, Toilet Partition Panel	776.21	53.42
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*234.28*	

10 21 13 14-0057 70" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0058	EA	Up To 4" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	227.46	13.94
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*69.86*	
10 21 13 14-0059	EA	5" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	247.94	16.25
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*75.40*	
10 21 13 14-0060	EA	6" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	269.61	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*81.36*	
10 21 13 14-0061	EA	8" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	307.12	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*92.86*	
10 21 13 14-0062	EA	10" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	344.62	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*104.36*	
10 21 13 14-0063	EA	12" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	382.12	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*115.86*	
10 21 13 14-0064	EA	18" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	484.14	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*149.94*	
10 21 13 14-0065	EA	22" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	554.51	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*172.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 14-0066	EA	24" x 70" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	592.01	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*184.44*	

10 21 13 14-0067 82" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0068	EA	Up To 4" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	174.57	13.94
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*51.35*	
10 21 13 14-0069	EA	5" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	189.26	16.25
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*54.86*	
10 21 13 14-0070	EA	6" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	204.45	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*58.55*	
10 21 13 14-0071	EA	8" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	264.78	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*78.04*	
10 21 13 14-0072	EA	10" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	298.77	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*88.31*	
10 21 13 14-0073	EA	12" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	309.49	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*90.44*	
10 21 13 14-0074	EA	18" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	350.47	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*103.16*	
10 21 13 14-0075	EA	22" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	395.08	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*117.14*	
10 21 13 14-0076	EA	24" x 82" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	419.53	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*124.08*	

10 21 13 14-0077 96" To 120" Long, Stainless Steel, Toilet Partition Pilasters *(10 21 13 14-0036)*

10 21 13 14-0078	EA	Up To 4" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	250.14	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*74.54*	
10 21 13 14-0079	EA	5" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	274.26	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*81.36*	
10 21 13 14-0080	EA	6" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	297.16	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*87.75*	
10 21 13 14-0081	EA	8" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	340.75	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*101.38*	
10 21 13 14-0082	EA	10" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	383.12	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*114.58*	
10 21 13 14-0083	EA	12" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	425.50	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*127.79*	
10 21 13 14-0084	EA	18" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	545.76	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*168.26*	
10 21 13 14-0085	EA	22" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	625.87	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*194.67*	
10 21 13 14-0086	EA	24" x 96" To 120" x 1-1/4", Stainless Steel, Toilet Partition Pilaster	669.46	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Diamond Pattern Finish, Add	*208.30*	

10 21 13 16 Plastic-Laminate-Clad Toilet Compartments *(10 21 13)*

10 21 13 16-0001 Laminated Plastic Toilet Partitions And Urinal Screens *(10 21 13 16)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of a sandwich of high pressure decorative plastic laminate bonded to a solid industrial-grade particle board.

10 21 13 16-0002 Laminated Plastic Toilet Partitions *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0003 Floor Anchored, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

10 21 13 16-0004	EA	36" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,066.17	104.51
		For >10, Deduct	*-85.71*	
		For Cast Stainless Steel Hardware, Add	*141.25*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0005	EA	60" x 60", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,304.20	113.81
		For Cast Stainless Steel Hardware, Add	*141.27*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 16-0006	EA	60" x 78", Floor Anchored, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,403.63	118.45
		For Cast Stainless Steel Hardware, Add	*141.28*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

10 21 13 16-0007 Overhead Braced, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Includes headrail.

10 21 13 16-0008	EA	36" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,154.46	127.75
		For >10, Deduct	*-89.90*	
		For Cast Stainless Steel Hardware, Add	*141.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 16-0009	EA	60" x 60", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,402.96	137.03
		For Cast Stainless Steel Hardware, Add	*141.31*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 16-0010	EA	60" x 78", Overhead Braced, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,510.22	141.68
		For Cast Stainless Steel Hardware, Add	*141.31*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

10 21 13 16-0011 Ceiling Hung, Laminated Plastic, Complete Toilet Partitions *(10 21 13 16-0002)*

Note: Excludes above ceiling steel.

10 21 13 16-0012	EA	36" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete Toilet Partition	1,543.65	174.19
		For >10, Deduct	*-119.53*	
		For Cast Stainless Steel Hardware, Add	*141.37*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 16-0013	EA	60" x 60", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,800.20	183.49
		For Cast Stainless Steel Hardware, Add	*141.38*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 16-0014	EA	60" x 78", Ceiling Hung, Laminated Plastic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,899.61	188.13
		For Cast Stainless Steel Hardware, Add	*141.39*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

10 21 13 16-0015 Laminated Plastic Urinal Screens *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

10 21 13 16-0016 Floor Anchored, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0017	EA	24" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	449.66	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0018	EA	36" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	490.32	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0019	EA	48" x 58" x 1", Floor Anchored, Laminated Plastic, Urinal Screen	505.75	74.29
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 16-0020 Wall Hung, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0021	EA	18" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	349.37	55.71
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0022	EA	24" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	367.61	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0023	EA	30" x 42" x 1", Wall Hung, Laminated Plastic, Urinal Screen	385.04	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 16-0024 Wall Hung And Post Supported, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0025	EA	18" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	463.46	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0026	EA	24" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	508.49	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0027	EA	30" x 58" x 1", Wall Hung And Post Supported, Laminated Plastic, Urinal Screen	557.30	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 16-0028 Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screens *(10 21 13 16-0015)*

10 21 13 16-0029	EA	24" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	427.88	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0030	EA	36" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	469.40	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0031	EA	48" x 58" x 1", Wall Hung And Overhead Braced, Laminated Plastic, Urinal Screen	484.33	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 16-0032 Laminated Plastic Toilet Partition Doors, Panels And Pilasters *(10 21 13 16-0001)*

Note: Includes all standard Bobrick colors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0033		**Laminated Plastic, Toilet Partition Doors** *(10 21 13 16-0032)*		
10 21 13 16-0034	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Door	354.04	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 16-0035	EA	26" x 58" x 1", Laminated Plastic, Toilet Partition Door	384.83	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 16-0036	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Door	397.87	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 16-0037	EA	34" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	407.39	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 16-0038	EA	36" x 58" x 1", Laminated Plastic, Americans With Disabilities Act Compliant Toilet Partition Door	416.35	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 16-0039		**Laminated Plastic, Toilet Partition Panels** *(10 21 13 16-0032)*		
10 21 13 16-0040	EA	6" x 58" x 1", Laminated Plastic, Toilet Partition Panel	180.54	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0041	EA	12" x 58" x 1", Laminated Plastic, Toilet Partition Panel	199.70	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0042	EA	18" x 58" x 1", Laminated Plastic, Toilet Partition Panel	218.85	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0043	EA	24" x 58" x 1", Laminated Plastic, Toilet Partition Panel	238.75	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0044	EA	30" x 58" x 1", Laminated Plastic, Toilet Partition Panel	257.18	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0045	EA	36" x 58" x 1", Laminated Plastic, Toilet Partition Panel	277.15	39.49
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0046	EA	42" x 58" x 1", Laminated Plastic, Toilet Partition Panel	283.50	41.81
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0047	EA	48" x 58" x 1", Laminated Plastic, Toilet Partition Panel	290.93	44.13
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0048	EA	55" x 58" x 1", Laminated Plastic, Toilet Partition Panel	306.24	46.45
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0049	EA	58" x 58" x 1", Laminated Plastic, Toilet Partition Panel	318.97	47.38
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0050	EA	60" x 58" x 1", Laminated Plastic, Toilet Partition Panel	333.25	48.77
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0051	EA	70" x 58" x 1", Laminated Plastic, Toilet Partition Panel	379.89	51.09
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0052	EA	78" x 58" x 1", Laminated Plastic, Toilet Partition Panel	432.67	53.42
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 16-0053		**69" Long, Laminated Plastic, Toilet Partition Pilasters** *(10 21 13 16-0032)*		
10 21 13 16-0054	EA	Up To 4" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	147.12	13.94
		For 1-1/4" Pilaster, Add	*9.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*119.25*	
10 21 13 16-0055	EA	5" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	169.68	16.25
		For 1-1/4" Pilaster, Add	*11.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*137.16*	
10 21 13 16-0056	EA	6" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	174.32	18.58
		For 1-1/4" Pilaster, Add	*11.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*137.16*	
10 21 13 16-0057	EA	8" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	192.41	20.90
		For 1-1/4" Pilaster, Add	*12.42*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*150.60*	
10 21 13 16-0058	EA	10" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	200.97	23.22
		For 1-1/4" Pilaster, Add	*12.75*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*154.52*	
10 21 13 16-0059	EA	12" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	218.49	25.55
		For 1-1/4" Pilaster, Add	*13.81*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*167.40*	
10 21 13 16-0060	EA	18" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	278.00	27.87
		For 1-1/4" Pilaster, Add	*18.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*222.26*	
10 21 13 16-0061	EA	22" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	336.40	30.19
		For 1-1/4" Pilaster, Add	*22.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*276.01*	
10 21 13 16-0062	EA	24" x 69" x 1", Laminated Plastic, Toilet Partition Pilaster	377.43	32.52
		For 1-1/4" Pilaster, Add	*25.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*312.40*	
10 21 13 16-0063		**83" Long, Laminated Plastic, Toilet Partition Pilasters** *(10 21 13 16-0032)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 16-0064	EA	Up To 4" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	288.20	13.94
		For 1-1/4" Pilaster, Add	*21.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*260.33*	
10 21 13 16-0065	EA	5" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	318.60	16.25
		For 1-1/4" Pilaster, Add	*23.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*286.08*	
10 21 13 16-0066	EA	6" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	323.24	18.58
		For 1-1/4" Pilaster, Add	*23.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*286.08*	
10 21 13 16-0067	EA	8" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	349.73	20.90
		For 1-1/4" Pilaster, Add	*25.40*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*307.92*	
10 21 13 16-0068	EA	10" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	381.80	23.22
		For 1-1/4" Pilaster, Add	*27.67*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*335.35*	
10 21 13 16-0069	EA	12" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	407.71	25.55
		For 1-1/4" Pilaster, Add	*29.42*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*356.62*	
10 21 13 16-0070	EA	18" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	507.27	27.87
		For 1-1/4" Pilaster, Add	*37.25*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*451.53*	
10 21 13 16-0071	EA	22" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	577.69	30.19
		For 1-1/4" Pilaster, Add	*42.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*517.30*	
10 21 13 16-0072	EA	24" x 83" x 1", Laminated Plastic, Toilet Partition Pilaster	592.98	32.52
		For 1-1/4" Pilaster, Add	*43.56*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For Steel Core Pilaster, Add	*527.94*	

10 21 13 19 Plastic Toilet Compartments *(10 21 13)*

10 21 13 19-0001 Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0002 Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0001)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0003 Overhead Braced, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Includes headrail.

10 21 13 19-0004	EA	36" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,282.95	127.75
		For >10, Deduct	*-102.75*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*637.03*	
10 21 13 19-0005	EA	60" x 60", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,572.14	137.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*804.80*	
10 21 13 19-0006	EA	60" x 78", Overhead Braced, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,738.48	141.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*902.18*	

10 21 13 19-0007 Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0002)*

Note: Excludes above ceiling steel.

10 21 13 19-0008	EA	36" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,290.48	150.97
		For >10, Deduct	*-98.85*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*612.89*	
10 21 13 19-0009	EA	60" x 60", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,604.80	160.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*796.25*	
10 21 13 19-0010	EA	60" x 78", Floor And Ceiling Anchored, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,771.15	164.90
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*893.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0011		**Ceiling Hung, Recycled Solid Plastic (HDPE), Complete Toilet Partitions** *(10 21 13 19-0002)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0012	EA	36" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,359.35	174.19
		For >10, Deduct	*-101.10*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*626.80*	
10 21 13 19-0013	EA	60" x 60", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,604.49	183.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*767.26*	
10 21 13 19-0014	EA	60" x 78", Ceiling Hung, Recycled Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,770.84	188.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*864.64*	
10 21 13 19-0015		**Recycled Solid Plastic (HDPE) Urinal Screens** *(10 21 13 19-0001)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0016		**Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0017	EA	18" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	308.26	55.71
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*122.03*	
10 21 13 19-0018	EA	24" x 42" x 1", Wall Hung, Recycled Solid Plastic (HDPE), Urinal Screen	325.31	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*126.85*	
10 21 13 19-0019		**Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0020	EA	18" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	388.27	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*165.88*	
10 21 13 19-0021	EA	24" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	486.72	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*221.17*	
10 21 13 19-0022	EA	30" x 42" x 1", Wall Hung And Post Supported, Recycled Solid Plastic (HDPE), Urinal Screen	539.91	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*248.39*	
10 21 13 19-0023		**Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screens** *(10 21 13 19-0015)*		
10 21 13 19-0024	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	397.55	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*165.88*	
10 21 13 19-0025	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	496.00	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*221.17*	
10 21 13 19-0026	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Recycled Solid Plastic (HDPE), Urinal Screen	585.63	74.29
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*270.97*	
10 21 13 19-0027		**Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0001)*		
		Note: Includes all standard Columbia Partitions colors.		
10 21 13 19-0028		**Recycled Solid Plastic (HDPE), Toilet Partition Doors** *(10 21 13 19-0027)*		
10 21 13 19-0029	EA	24" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	301.62	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*163.97*	
10 21 13 19-0030	EA	26" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	325.69	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*178.89*	
10 21 13 19-0031	EA	30" x 55" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Door	354.23	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*193.70*	
10 21 13 19-0032	EA	34" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	402.94	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*223.90*	
10 21 13 19-0033	EA	36" x 55" x 1", Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	414.46	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*231.04*	
10 21 13 19-0034		**Recycled Solid Plastic (HDPE), Toilet Partition Panels** *(10 21 13 19-0027)*		
10 21 13 19-0035	EA	6" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	114.36	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*36.34*	
10 21 13 19-0036	EA	12" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	177.63	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*72.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0037	EA	18" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	240.87	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*109.02*	
10 21 13 19-0038	EA	24" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	280.10	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*130.46*	
10 21 13 19-0039	EA	30" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	337.36	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*163.08*	
10 21 13 19-0040	EA	36" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	360.40	39.49
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*174.49*	
10 21 13 19-0041	EA	42" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	403.69	41.81
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*198.45*	
10 21 13 19-0042	EA	48" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	454.06	44.13
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*226.80*	
10 21 13 19-0043	EA	55" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	495.32	46.45
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*249.49*	
10 21 13 19-0044	EA	58" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	506.04	47.38
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*254.99*	
10 21 13 19-0045	EA	60" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	523.01	48.77
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*263.79*	
10 21 13 19-0046	EA	70" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	589.72	51.09
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*302.26*	
10 21 13 19-0047	EA	78" x 55" x 1", Recycled Solid Plastic (High Density Polyethylene), Toilet Partition Panel	635.00	53.42
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*327.46*	

10 21 13 19-0048 82" Long, Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0049	EA	Up To 4" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	140.79	13.94
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*70.01*	
10 21 13 19-0050	EA	5" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	156.76	16.25
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*77.03*	
10 21 13 19-0051	EA	6" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	170.74	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*82.82*	
10 21 13 19-0052	EA	8" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	183.74	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*88.00*	
10 21 13 19-0053	EA	10" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	206.20	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*99.05*	
10 21 13 19-0054	EA	12" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	228.66	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*110.09*	
10 21 13 19-0055	EA	18" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	311.52	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*158.58*	
10 21 13 19-0056	EA	22" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	351.74	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*180.64*	
10 21 13 19-0057	EA	24" x 82" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	382.87	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*197.05*	

10 21 13 19-0058 96" To 120", Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0027)*

10 21 13 19-0059	EA	Up To 4" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	172.40	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*83.85*	
10 21 13 19-0060	EA	5" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	189.93	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*91.83*	
10 21 13 19-0061	EA	6" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	209.25	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*100.94*	
10 21 13 19-0062	EA	8" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	236.84	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*115.17*	
10 21 13 19-0063	EA	10" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	264.70	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*129.56*	
10 21 13 19-0064	EA	12" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	292.30	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*143.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0065	EA	18" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	372.58	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*190.68*	
10 21 13 19-0066	EA	22" x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	416.38	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*214.95*	
10 21 13 19-0067	EA	24 x 96" To 120" x 1", Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	452.55	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*234.50*	

10 21 13 19-0068 Antimicrobial Recycled Solid Polymer (HDPE) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1" door, 1" pilaster, 1" separator panel, trim shoes, and hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and hardware as required. Constructed of high density polyethylene (HDPE). Includes Class B fire rating.

10 21 13 19-0069 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partitions *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0070 Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Includes headrail.

10 21 13 19-0071	EA	36" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete Toilet Partition	1,642.56	127.75
		For >10, Deduct	*-138.71*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*859.99*	
10 21 13 19-0072	EA	60" x 60", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,026.47	137.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*1,086.49*	
10 21 13 19-0073	EA	60" x 78", Overhead Braced, Antimicrobial Solid Plastic (High Density Polyethylene), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,247.78	141.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*1,217.95*	

10 21 13 19-0074 Floor And Ceiling Anchored, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0075	EA	36" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,636.48	150.97
		For >10, Deduct	*-133.45*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*827.41*	
10 21 13 19-0076	EA	60" x 60", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,054.29	160.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*1,074.94*	
10 21 13 19-0077	EA	60" x 78", Floor And Ceiling Anchored, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,275.61	164.90
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*1,206.40*	

10 21 13 19-0078 Ceiling Hung, Antimicrobial Recycled Solid Plastic (HDPE), Complete Toilet Partitions *(10 21 13 19-0069)*

Note: Excludes above ceiling steel.

10 21 13 19-0079	EA	36" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete Toilet Partition	1,713.19	174.19
		For >10, Deduct	*-136.48*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*846.18*	
10 21 13 19-0080	EA	60" x 60", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,037.61	183.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*1,035.80*	
10 21 13 19-0081	EA	60" x 78", Ceiling Hung, Antimicrobial Solid Plastic (HDPE), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,258.93	188.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*1,167.26*	

10 21 13 19-0082 Antimicrobial Recycled Solid Plastic (HDPE) Urinal Screens *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0083 Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0084	EA	18" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	377.15	55.71
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*164.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0085	EA	24" x 42" x 1", Wall Hung, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	394.38	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*169.67*	

10 21 13 19-0086 Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0087	EA	18" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	602.28	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*298.57*	
10 21 13 19-0088	EA	24" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	684.00	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*343.48*	
10 21 13 19-0089	EA	30" x 42" x 1", Wall Hung And Post Supported, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	729.30	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*365.81*	

10 21 13 19-0090 Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screens *(10 21 13 19-0082)*

10 21 13 19-0091	EA	24" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	491.18	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*223.93*	
10 21 13 19-0092	EA	36" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	620.84	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*298.57*	
10 21 13 19-0093	EA	48" x 55" x 1", Wall Hung And Overhead Braced, Antimicrobial Recycled Solid Plastic (HDPE), Urinal Screen	738.60	74.29
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*365.81*	

10 21 13 19-0094 Antimicrobial Recycled Solid Plastic (HDPE) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0068)*

Note: Includes all standard Columbia Partitions colors.

10 21 13 19-0095 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Doors *(10 21 13 19-0094)*

10 21 13 19-0096	EA	24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	394.18	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*221.35*	
10 21 13 19-0097	EA	26" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	426.69	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*241.51*	
10 21 13 19-0098	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Door	463.57	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*261.49*	
10 21 13 19-0099	EA	34" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	529.33	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*302.26*	
10 21 13 19-0100	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), ADA Compliant Toilet Partition Door	544.89	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*311.91*	

10 21 13 19-0101 Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panels *(10 21 13 19-0094)*

10 21 13 19-0102	EA	6" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	134.87	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*49.06*	
10 21 13 19-0103	EA	12" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	218.66	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*98.13*	
10 21 13 19-0104	EA	18" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	302.43	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*147.19*	
10 21 13 19-0105	EA	24" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	353.74	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*176.12*	
10 21 13 19-0106	EA	30" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	429.41	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*220.15*	
10 21 13 19-0107	EA	36" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	458.89	39.49
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*235.55*	
10 21 13 19-0108	EA	42" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	515.72	41.81
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*267.91*	
10 21 13 19-0109	EA	48" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	582.10	44.13
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*306.18*	
10 21 13 19-0110	EA	55" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	636.17	46.45
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*336.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0111	EA	58" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	649.99	47.38
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*344.24*	
10 21 13 19-0112	EA	60" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	671.92	48.77
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*356.11*	
10 21 13 19-0113	EA	70" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	760.37	51.09
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*408.07*	
10 21 13 19-0114	EA	78" x 55" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Panel	819.85	53.42
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*442.07*	

10 21 13 19-0115 82" Long, Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0116	EA	Up To 4" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	180.31	13.94
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*94.51*	
10 21 13 19-0117	EA	5" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	200.24	16.25
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*103.99*	
10 21 13 19-0118	EA	6" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	217.49	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*111.80*	
10 21 13 19-0119	EA	8" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	250.83	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*129.59*	
10 21 13 19-0120	EA	10" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	281.74	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*145.88*	
10 21 13 19-0121	EA	12" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	312.60	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*162.14*	
10 21 13 19-0122	EA	18" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	401.05	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*214.09*	
10 21 13 19-0123	EA	22" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	453.72	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*243.86*	
10 21 13 19-0124	EA	24" x 82" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	494.11	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*266.02*	

10 21 13 19-0125 96" To 120", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilasters *(10 21 13 19-0094)*

10 21 13 19-0126	EA	Up To 4" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	219.74	18.58
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*113.20*	
10 21 13 19-0127	EA	5" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	241.77	20.90
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*123.98*	
10 21 13 19-0128	EA	6" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	266.25	23.22
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*136.28*	
10 21 13 19-0129	EA	8" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	301.87	25.55
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*155.48*	
10 21 13 19-0130	EA	10" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	337.84	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*174.90*	
10 21 13 19-0131	EA	12" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	373.46	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*194.10*	
10 21 13 19-0132	EA	18" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	480.24	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*257.43*	
10 21 13 19-0133	EA	22" x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	537.72	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*290.18*	
10 21 13 19-0134	EA	24 x 96" To 120" x 1", Antimicrobial Recycled Solid Plastic (HDPE), Toilet Partition Pilaster	584.92	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*316.57*	

10 21 13 19-0135 Solid Phenolic Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid phenolic (resin impregnated kraft paper) core with a high pressure decorative matte surface finish as an integral part of the core material. Includes Class B fire rating.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0136		**Solid Phenolic Toilet Partitions** *(10 21 13 19-0135)* Note: Includes all standard Bobrick colors.		
10 21 13 19-0137		**Floor Anchored, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)*		
10 21 13 19-0138	EA	36" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,619.29	104.51
		For >10, Deduct	*-141.03*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*306.61*	
10 21 13 19-0139	EA	60" x 60", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	1,989.46	113.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*381.37*	
10 21 13 19-0140	EA	60" x 78", Floor Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,221.58	118.45
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*428.63*	
10 21 13 19-0141		**Overhead Braced, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)* Note: Includes headrail.		
10 21 13 19-0142	EA	36" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,797.58	127.75
		For >10, Deduct	*-154.21*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*336.62*	
10 21 13 19-0143	EA	60" x 60", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,182.46	137.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*414.47*	
10 21 13 19-0144	EA	60" x 78", Overhead Braced, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,425.78	141.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*464.08*	
10 21 13 19-0145		**Floor And Ceiling Anchored, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)* Note: Excludes above ceiling steel.		
10 21 13 19-0146	EA	36" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,856.08	150.97
		For >10, Deduct	*-155.41*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*341.47*	
10 21 13 19-0147	EA	60" x 60", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,238.23	160.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*418.75*	
10 21 13 19-0148	EA	60" x 78", Floor And Ceiling Anchored, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,470.34	164.90
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*466.00*	
10 21 13 19-0149		**Ceiling Hung, Solid Phenolic, Complete Toilet Partitions** *(10 21 13 19-0136)* Note: Excludes above ceiling steel.		
10 21 13 19-0150	EA	36" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete Toilet Partition	1,830.60	174.19
		For >10, Deduct	*-148.22*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*328.68*	
10 21 13 19-0151	EA	60" x 60", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,200.50	183.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*403.39*	
10 21 13 19-0152	EA	60" x 78", Ceiling Hung, Solid Phenolic, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,432.61	188.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
		For NFPA Class A, Add	*450.65*	
10 21 13 19-0153		**Solid Phenolic Urinal Screens** *(10 21 13 19-0135)* Note: Includes all standard Bobrick colors.		
10 21 13 19-0154		**Floor Anchored, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0155	EA	24" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	589.64	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*103.02*	
10 21 13 19-0156	EA	36" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	666.66	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*117.71*	
10 21 13 19-0157	EA	48" x 58" x 1/2", Floor Anchored, Solid Phenolic, Urinal Screen	799.69	74.29
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*144.16*	
10 21 13 19-0158		**Wall Hung, Solid Phenolic, Urinal Screens** *(10 21 13 19-0153)*		
10 21 13 19-0159	EA	18" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	376.80	55.71
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*61.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0160	EA	24" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	436.48	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*72.35*	
10 21 13 19-0161	EA	30" x 42" x 1/2", Wall Hung, Solid Phenolic, Urinal Screen	524.76	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*89.40*	

10 21 13 19-0162 Wall Hung And Post Supported, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0163	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	382.64	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*61.04*	
10 21 13 19-0164	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	479.21	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*79.83*	
10 21 13 19-0165	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Phenolic, Urinal Screen	560.29	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*95.38*	

10 21 13 19-0166 Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screens *(10 21 13 19-0153)*

10 21 13 19-0167	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	606.85	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*108.12*	
10 21 13 19-0168	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	684.34	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*122.91*	
10 21 13 19-0169	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Phenolic, Urinal Screen	819.88	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*149.89*	

10 21 13 19-0170 Solid Phenolic Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0135)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0171 Solid Phenolic, Toilet Partition Doors *(10 21 13 19-0170)*

10 21 13 19-0172	EA	24" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	439.13	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*86.27*	
10 21 13 19-0173	EA	26" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	454.25	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*89.45*	
10 21 13 19-0174	EA	30" x 58" x 3/4", Solid Phenolic, Toilet Partition Door	497.68	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*97.82*	
10 21 13 19-0175	EA	34" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	537.10	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*106.10*	
10 21 13 19-0176	EA	36" x 58" x 3/4", Solid Phenolic, ADA Compliant Toilet Partition Door	577.59	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
		For NFPA Class A, Add	*114.60*	

10 21 13 19-0177 Solid Phenolic, Toilet Partition Panels *(10 21 13 19-0170)*

10 21 13 19-0178	EA	6" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	139.52	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*20.38*	
10 21 13 19-0179	EA	12" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	186.02	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*29.40*	
10 21 13 19-0180	EA	18" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	253.45	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*42.82*	
10 21 13 19-0181	EA	24" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	321.61	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*56.39*	
10 21 13 19-0182	EA	30" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	358.64	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*63.42*	
10 21 13 19-0183	EA	36" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	397.52	39.49
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*70.84*	
10 21 13 19-0184	EA	42" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	463.88	41.81
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*84.04*	
10 21 13 19-0185	EA	48" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	532.22	44.13
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*97.64*	
10 21 13 19-0186	EA	55" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	567.66	46.45
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*104.34*	
10 21 13 19-0187	EA	58" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	583.51	47.38
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*107.38*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0188	EA	60" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	594.70	48.77
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*109.28*	
10 21 13 19-0189	EA	70" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	684.44	51.09
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*127.38*	
10 21 13 19-0190	EA	78" x 58" x 1/2", Solid Phenolic, Toilet Partition Panel	826.81	53.42
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*156.54*	

10 21 13 19-0191 69" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0192	EA	Up To 4" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	208.70	13.94
		For 1" Pilaster, Add	*22.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*39.37*	
10 21 13 19-0193	EA	5" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	240.22	16.25
		For 1" Pilaster, Add	*25.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*45.24*	
10 21 13 19-0194	EA	6" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	244.86	18.58
		For 1" Pilaster, Add	*25.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*45.48*	
10 21 13 19-0195	EA	8" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	283.67	20.90
		For 1" Pilaster, Add	*30.23*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*52.88*	
10 21 13 19-0196	EA	10" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	319.10	23.22
		For 1" Pilaster, Add	*34.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*59.58*	
10 21 13 19-0197	EA	12" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	354.53	25.55
		For 1" Pilaster, Add	*37.93*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*66.28*	
10 21 13 19-0198	EA	16" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	453.79	27.87
		For 1" Pilaster, Add	*49.76*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*86.38*	
10 21 13 19-0199	EA	20" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	557.54	30.19
		For 1" Pilaster, Add	*62.14*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*107.42*	
10 21 13 19-0200	EA	24" x 69" x 3/4", Solid Phenolic, Toilet Partition Pilaster	585.69	32.52
		For 1" Pilaster, Add	*65.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*112.59*	

10 21 13 19-0201 83" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0202	EA	Up To 4" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	228.86	13.94
		For 1" Pilaster, Add	*25.12*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*43.60*	
10 21 13 19-0203	EA	5" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	268.22	16.25
		For 1" Pilaster, Add	*29.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*51.12*	
10 21 13 19-0204	EA	6" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	272.86	18.58
		For 1" Pilaster, Add	*29.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*51.36*	
10 21 13 19-0205	EA	8" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	316.14	20.90
		For 1" Pilaster, Add	*34.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*59.70*	
10 21 13 19-0206	EA	10" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	357.17	23.22
		For 1" Pilaster, Add	*38.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*67.57*	
10 21 13 19-0207	EA	12" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	398.49	25.55
		For 1" Pilaster, Add	*43.43*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*75.51*	
10 21 13 19-0208	EA	16" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	519.30	27.87
		For 1" Pilaster, Add	*57.95*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*100.13*	
10 21 13 19-0209	EA	20" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	618.85	30.19
		For 1" Pilaster, Add	*69.81*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*120.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0210	EA	24" x 83" x 3/4", Solid Phenolic, Toilet Partition Pilaster	650.92	32.52
		For 1" Pilaster, Add	*73.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*126.29*	

10 21 13 19-0211 96" To 120" Long, Solid Phenolic, Toilet Partition Pilasters *(10 21 13 19-0170)*

10 21 13 19-0212	EA	Up To 4" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	258.30	18.58
		For 1" Pilaster, Add	*27.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*48.30*	
10 21 13 19-0213	EA	5" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	305.50	20.90
		For 1" Pilaster, Add	*32.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*57.47*	
10 21 13 19-0214	EA	6" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	310.14	23.22
		For 1" Pilaster, Add	*32.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*57.70*	
10 21 13 19-0215	EA	8" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	357.89	25.55
		For 1" Pilaster, Add	*38.35*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*66.98*	
10 21 13 19-0216	EA	10" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	404.53	27.87
		For 1" Pilaster, Add	*43.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*76.03*	
10 21 13 19-0217	EA	12" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	451.73	30.19
		For 1" Pilaster, Add	*48.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*85.20*	
10 21 13 19-0218	EA	16" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	594.09	32.52
		For 1" Pilaster, Add	*66.13*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*114.35*	
10 21 13 19-0219	EA	20" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	689.43	34.84
		For 1" Pilaster, Add	*77.47*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*133.63*	
10 21 13 19-0220	EA	24" x 96" To 120" x 3/4", Solid Phenolic, Toilet Partition Pilaster	725.44	37.16
		For 1" Pilaster, Add	*81.39*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
		For NFPA Class A, Add	*140.45*	

10 21 13 19-0221 Solid Color Reinforced Composite Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 3/4" door, 3/4" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Constructed of solid color reinforced composite core with a high pressure decorative matte surface finish as an integral part of the core material.

10 21 13 19-0222 Solid Color Reinforced Composite Toilet Partitions *(10 21 13 19-0221)*

Note: Includes all standard Bobrick colors.

10 21 13 19-0223 Floor Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

10 21 13 19-0224	EA	36" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,788.52	104.51
		For >10, Deduct	*-157.95*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0225	EA	60" x 60", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,200.88	113.81
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0226	EA	60" x 78", Floor Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,459.74	118.45
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

10 21 13 19-0227 Overhead Braced, Solid Color Reinforced Composite, Complete Toilet Partitions *(10 21 13 19-0222)*

Note: Includes headrail.

10 21 13 19-0228	EA	36" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	1,982.63	127.75
		For >10, Deduct	*-172.72*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0229	EA	60" x 60", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,411.47	137.03
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0230	EA	60" x 78", Overhead Braced, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,682.88	141.68
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0231		**Floor And Ceiling Anchored, Solid Color Reinforced Composite, Complete Toilet Partitions** *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0232	EA	36" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,042.58	150.97
		For >10, Deduct	*-174.06*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0233	EA	60" x 60", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,468.36	160.26
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0234	EA	60" x 78", Floor And Ceiling Anchored, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,727.20	164.90
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0235		**Ceiling Hung, Solid Color Reinforced Composite, Complete Toilet Partitions** *(10 21 13 19-0222)*		
		Note: Excludes above ceiling steel.		
10 21 13 19-0236	EA	36" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete Toilet Partition	2,008.47	174.19
		For >10, Deduct	*-166.01*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0237	EA	60" x 60", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,420.52	183.49
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0238	EA	60" x 78", Ceiling Hung, Solid Color Reinforced Composite, One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	2,679.37	188.13
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0239		**Solid Color Reinforced Composite Urinal Screens** *(10 21 13 19-0221)*		
		Note: Includes all standard Bobrick colors.		
10 21 13 19-0240		**Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0241	EA	24" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	644.79	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0242	EA	36" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	729.94	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0243	EA	48" x 58" x 1/2", Floor Anchored, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	877.82	74.29
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0244		**Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0245	EA	18" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	408.64	55.71
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0246	EA	24" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	474.37	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0247	EA	30" x 42" x 1/2", Wall Hung, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	572.13	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0248		**Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0249	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	414.07	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0250	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	521.12	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0251	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	610.81	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0252		**Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screens** *(10 21 13 19-0239)*		
10 21 13 19-0253	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	665.18	60.36
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0254	EA	36" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	750.86	65.00
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0255	EA	48" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Color Reinforced Composite, Toilet Partition Urinal Screen	901.55	69.64
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0256		**Solid Color Reinforced Composite Toilet Partition Doors, Panels And Pilasters** *(10 21 13 19-0221)*		
		Note: Includes all standard Bobrick colors. See CSI section 10 21 13 43-0001 for other accessories.		
10 21 13 19-0257		**Solid Color Reinforced Composite, Toilet Partition Doors** *(10 21 13 19-0256)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0258	EA	24" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	487.37	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 19-0259	EA	26" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	504.30	18.58
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 19-0260	EA	30" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	552.39	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 19-0261	EA	34" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	596.53	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 19-0262	EA	36" x 58" x 3/4", Solid Color Reinforced Composite, Toilet Partition Door	641.88	20.90
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	

10 21 13 19-0263 Solid Color Reinforced Composite, Toilet Partition Panels *(10 21 13 19-0256)*

10 21 13 19-0264	EA	6" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	149.57	27.87
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0265	EA	12" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	201.10	30.19
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0266	EA	18" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	276.06	32.52
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0267	EA	24" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	351.84	34.84
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0268	EA	30" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	392.76	37.16
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0269	EA	36" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	435.75	39.49
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0270	EA	42" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	509.52	41.81
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0271	EA	48" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	585.50	44.13
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0272	EA	55" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	624.63	46.45
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0273	EA	58" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	642.16	47.38
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0274	EA	60" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	654.35	48.77
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0275	EA	70" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	754.31	51.09
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0276	EA	78" x 58" x 1/2", Solid Color Reinforced Composite, Toilet Partition Panel	913.20	53.42
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0277 69" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0278	EA	Up To 4" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	230.40	13.94
		For 1" Pilaster, Add	*25.32*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0279	EA	5" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	265.15	16.25
		For 1" Pilaster, Add	*29.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0280	EA	6" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	269.79	18.58
		For 1" Pilaster, Add	*29.08*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0281	EA	8" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	312.69	20.90
		For 1" Pilaster, Add	*33.86*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0282	EA	10" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	351.81	23.22
		For 1" Pilaster, Add	*38.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0283	EA	12" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	390.94	25.55
		For 1" Pilaster, Add	*42.48*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0284	EA	16" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	501.56	27.87
		For 1" Pilaster, Add	*55.73*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0285	EA	20" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	617.19	30.19
		For 1" Pilaster, Add	*69.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0286	EA	24" x 69" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	648.17	32.52
		For 1" Pilaster, Add	*72.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0287 83" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0288	EA	Up To 4" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	252.97	13.94
		For 1" Pilaster, Add	*28.14*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0289	EA	5" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	296.50	16.25
		For 1" Pilaster, Add	*33.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0290	EA	6" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	301.14	18.58
		For 1" Pilaster, Add	*33.00*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0291	EA	8" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	349.06	20.90
		For 1" Pilaster, Add	*38.41*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0292	EA	10" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	394.45	23.22
		For 1" Pilaster, Add	*43.50*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0293	EA	12" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	440.18	25.55
		For 1" Pilaster, Add	*48.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0294	EA	16" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	574.92	27.87
		For 1" Pilaster, Add	*64.90*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0295	EA	20" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	685.87	30.19
		For 1" Pilaster, Add	*78.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0296	EA	24" x 83" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	721.23	32.52
		For 1" Pilaster, Add	*82.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0297 96" To 120" Long, Solid Color Reinforced Composite, Toilet Partition Pilasters *(10 21 13 19-0256)*

10 21 13 19-0298	EA	Up To 4" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	284.84	18.58
		For 1" Pilaster, Add	*30.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0299	EA	5" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	337.14	20.90
		For 1" Pilaster, Add	*36.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0300	EA	6" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	341.78	23.22
		For 1" Pilaster, Add	*36.92*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0301	EA	8" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	394.70	25.55
		For 1" Pilaster, Add	*42.95*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0302	EA	10" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	446.38	27.87
		For 1" Pilaster, Add	*48.83*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0303	EA	12" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	498.69	30.19
		For 1" Pilaster, Add	*54.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0304	EA	16" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	657.58	32.52
		For 1" Pilaster, Add	*74.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0305	EA	20" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	763.80	34.84
		For 1" Pilaster, Add	*86.77*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0306	EA	24" x 96" To 120" x 3/4", Solid Color Reinforced Composite, Toilet Partition Pilaster	803.57	37.16
		For 1" Pilaster, Add	*91.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0307 Solid Polyester (Corian) Toilet Partitions And Urinal Screens *(10 21 13 19)*

Note: Complete toilet partitions for corner installations. Includes 1/2" door (1" at edge), 1" pilaster, 1/2" separator panel, trim shoes, and standard stainless steel hardware as required. For alcove, recessed or configurations other than corner installations use either: (1) the appropriate corner unit and add individual components or (2) individual components. Individual components include trim shoes and standard stainless steel hardware as required. Produced or cast by combining unsaturated polyester resin with a combination of fillers, pigments and catalysts.

10 21 13 19-0308 Solid Polyester (Corian) Toilet Partitions *(10 21 13 19-0307)*

Note: Small particulate finish.

10 21 13 19-0309 Floor Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0310	EA	36" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,218.62	104.51
		For >10, Deduct	*-300.96*	
		For Solid Color Material (No Particulate), Deduct	*-692.21*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0311	EA	60" x 60", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	3,884.38	113.81
		For Solid Color Material (No Particulate), Deduct	*-841.06*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0312	EA	60" x 78", Floor Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,306.03	118.45
		For Solid Color Material (No Particulate), Deduct	*-935.90*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

10 21 13 19-0313 Overhead Braced, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

10 21 13 19-0314	EA	36" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,347.05	127.75
		For >10, Deduct	*-309.16*	
		For Solid Color Material (No Particulate), Deduct	*-711.06*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0315	EA	60" x 60", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,390.88	137.03
		For Solid Color Material (No Particulate), Deduct	*-946.87*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0316	EA	60" x 78", Overhead Braced, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,858.68	141.68
		For Solid Color Material (No Particulate), Deduct	*-1,052.33*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

10 21 13 19-0317 Floor And Ceiling Anchored, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0318	EA	36" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,751.09	150.97
		For >10, Deduct	*-344.92*	
		For Solid Color Material (No Particulate), Deduct	*-793.30*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0319	EA	60" x 60", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	5,028.98	160.26
		For Solid Color Material (No Particulate), Deduct	*-1,082.95*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0320	EA	60" x 78", Floor And Ceiling Anchored, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	5,496.43	164.90
		For Solid Color Material (No Particulate), Deduct	*-1,188.32*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

10 21 13 19-0321 Ceiling Hung, Solid Polyester (Corian), Complete Toilet Partitions *(10 21 13 19-0308)*

Note: Excludes above ceiling steel.

10 21 13 19-0322	EA	36" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete Toilet Partition	3,793.11	174.19
		For >10, Deduct	*-344.47*	
		For Solid Color Material (No Particulate), Deduct	*-792.29*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0323	EA	60" x 60", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	4,837.32	183.49
		For Solid Color Material (No Particulate), Deduct	*-1,028.18*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	
10 21 13 19-0324	EA	60" x 78", Ceiling Hung, Solid Polyester (Corian), One Compartment Corner Unit, Complete ADA Compliant Toilet Partition	5,304.76	188.13
		For Solid Color Material (No Particulate), Deduct	*-1,133.56*	
		For Heavy Gauge Full-Height SS Hinges And Brackets, Add	*175.79*	

10 21 13 19-0325 Solid Polyester (Corian) Urinal Screens *(10 21 13 19-0307)*

10 21 13 19-0326 Floor Anchored, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0327	EA	24" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	895.53	65.00
		For Solid Color Material (No Particulate), Deduct	*-176.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0328	EA	36" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,179.71	69.64
		For Solid Color Material (No Particulate), Deduct	*-239.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0329	EA	48" x 58" x 1/2", Floor Anchored, Solid Polyester (Corian), Urinal Screen	1,463.91	74.29
		For Solid Color Material (No Particulate), Deduct	*-302.53*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0330 Wall Hung, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0331	EA	18" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	463.04	55.71
		For Solid Color Material (No Particulate), Deduct	*-80.87*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0332	EA	24" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	589.52	60.36
		For Solid Color Material (No Particulate), Deduct	*-107.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0333	EA	30" x 42" x 1/2", Wall Hung, Solid Polyester (Corian), Urinal Screen	716.01	65.00
		For Solid Color Material (No Particulate), Deduct	*-134.78*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0334 Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

10 21 13 19-0335	EA	18" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	603.02	60.36
		For Solid Color Material (No Particulate), Deduct	*-110.93*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0336	EA	24" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	749.76	65.00
		For Solid Color Material (No Particulate), Deduct	*-142.54*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0337	EA	30" x 58" x 1/2", Wall Hung And Post Supported, Solid Polyester (Corian), Urinal Screen	896.48	69.64
		For Solid Color Material (No Particulate), Deduct	*-174.16*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0338 Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screens *(10 21 13 19-0325)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0339	EA	22" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	916.21	60.36
		For Solid Color Material (No Particulate), Deduct	*-182.96*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0340	EA	34" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,200.39	65.00
		For Solid Color Material (No Particulate), Deduct	*-246.19*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0341	EA	46" x 58" x 1/2", Wall Hung And Overhead Braced, Solid Polyester (Corian), Urinal Screen	1,484.57	69.64
		For Solid Color Material (No Particulate), Deduct	*-309.42*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0342 Solid Polyester (Corian) Toilet Partition Doors, Panels And Pilasters *(10 21 13 19-0307)*

10 21 13 19-0343 Solid Polyester (Corian), Toilet Partition Doors *(10 21 13 19-0342)*

10 21 13 19-0344	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	701.50	18.58
		For Solid Color Material (No Particulate), Deduct	*-152.80*	
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 19-0345	EA	26" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	748.98	18.58
		For Solid Color Material (No Particulate), Deduct	*-163.72*	
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 19-0346	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	854.05	20.90
		For Solid Color Material (No Particulate), Deduct	*-186.82*	
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 19-0347	EA	34" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	952.03	20.90
		For Solid Color Material (No Particulate), Deduct	*-209.35*	
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	
10 21 13 19-0348	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Door	994.67	20.90
		For Solid Color Material (No Particulate), Deduct	*-219.16*	
		For Heavy Gauge Full-Height SS Hinge, Add	*78.38*	

10 21 13 19-0349 Solid Polyester (Corian), Toilet Partition Panels *(10 21 13 19-0342)*

10 21 13 19-0350	EA	6" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	193.18	27.87
		For Solid Color Material (No Particulate), Deduct	*-31.61*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0351	EA	12" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	335.29	30.19
		For Solid Color Material (No Particulate), Deduct	*-63.23*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0352	EA	18" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	477.38	32.52
		For Solid Color Material (No Particulate), Deduct	*-94.84*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0353	EA	24" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	619.49	34.84
		For Solid Color Material (No Particulate), Deduct	*-126.46*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0354	EA	30" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	761.58	37.16
		For Solid Color Material (No Particulate), Deduct	*-158.07*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0355	EA	36" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	903.66	39.49
		For Solid Color Material (No Particulate), Deduct	*-189.68*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0356	EA	42" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,045.77	41.81
		For Solid Color Material (No Particulate), Deduct	*-221.30*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0357	EA	48" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,187.86	44.13
		For Solid Color Material (No Particulate), Deduct	*-252.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0358	EA	55" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,352.86	46.45
		For Solid Color Material (No Particulate), Deduct	*-289.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0359	EA	58" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,423.45	47.38
		For Solid Color Material (No Particulate), Deduct	*-305.60*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0360	EA	60" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,472.05	48.77
		For Solid Color Material (No Particulate), Deduct	*-316.14*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0361	EA	70" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,705.78	51.09
		For Solid Color Material (No Particulate), Deduct	*-368.82*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0362	EA	78" x 58" x 1/2", Solid Polyester (Corian), Toilet Partition Panel	1,893.69	53.42
		For Solid Color Material (No Particulate), Deduct	*-410.98*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0363 72" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*

10 21 13 19-0364	EA	Up To 4" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	243.59	13.94
		For Solid Color Material (No Particulate), Deduct	*-49.62*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0365	EA	5" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	302.17	16.25
		For Solid Color Material (No Particulate), Deduct	*-62.02*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0366	EA	6" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	360.74	18.58
		For Solid Color Material (No Particulate), Deduct	*-74.42*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 19-0367	EA	8" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	473.27	20.90
		For Solid Color Material (No Particulate), Deduct	*-99.24*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0368	EA	10" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	585.77	23.22
		For Solid Color Material (No Particulate), Deduct	*-124.04*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0369	EA	12" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	698.26	25.55
		For Solid Color Material (No Particulate), Deduct	*-148.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0370	EA	18" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,026.49	27.87
		For Solid Color Material (No Particulate), Deduct	*-223.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0371	EA	22" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,246.88	30.19
		For Solid Color Material (No Particulate), Deduct	*-272.89*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0372	EA	24" x 72" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,359.38	32.52
		For Solid Color Material (No Particulate), Deduct	*-297.70*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0373 82" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*

10 21 13 19-0374	EA	Up To 4" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	273.55	13.94
		For Solid Color Material (No Particulate), Deduct	*-56.51*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0375	EA	5" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	339.64	16.25
		For Solid Color Material (No Particulate), Deduct	*-70.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0376	EA	6" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	398.67	18.58
		For Solid Color Material (No Particulate), Deduct	*-83.15*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0377	EA	8" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	542.55	20.90
		For Solid Color Material (No Particulate), Deduct	*-115.17*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0378	EA	10" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	660.66	23.22
		For Solid Color Material (No Particulate), Deduct	*-141.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0379	EA	12" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	788.14	25.55
		For Solid Color Material (No Particulate), Deduct	*-169.52*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0380	EA	18" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,161.33	27.87
		For Solid Color Material (No Particulate), Deduct	*-254.29*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0381	EA	22" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,411.67	30.19
		For Solid Color Material (No Particulate), Deduct	*-310.79*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0382	EA	24" x 82" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,539.15	32.52
		For Solid Color Material (No Particulate), Deduct	*-339.05*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 19-0383 96" To 120" Long, Solid Polyester (Corian), Toilet Partition Pilasters *(10 21 13 19-0342)*

10 21 13 19-0384	EA	Up To 4" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	360.74	18.58
		For Solid Color Material (No Particulate), Deduct	*-74.42*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0385	EA	5" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	446.29	20.90
		For Solid Color Material (No Particulate), Deduct	*-93.03*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0386	EA	6" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	531.84	23.22
		For Solid Color Material (No Particulate), Deduct	*-111.64*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0387	EA	8" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	698.26	25.55
		For Solid Color Material (No Particulate), Deduct	*-148.85*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0388	EA	10" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	864.70	27.87
		For Solid Color Material (No Particulate), Deduct	*-186.06*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0389	EA	12" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,031.14	30.19
		For Solid Color Material (No Particulate), Deduct	*-223.27*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0390	EA	18" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,521.17	32.52
		For Solid Color Material (No Particulate), Deduct	*-334.91*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0391	EA	22" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	1,849.42	34.84
		For Solid Color Material (No Particulate), Deduct	*-409.34*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	
10 21 13 19-0392	EA	24" x 96" To 120" x 1", Solid Polyester (Corian), Toilet Partition Pilaster	2,015.85	37.16
		For Solid Color Material (No Particulate), Deduct	*-446.55*	
		For Heavy Gauge Full-Height SS Brackets, Add	*48.71*	

10 21 13 43 Compartments and Cubicles Common Accessories *(10 21 13)*

10 21 13 43-0001 Accessories *(10 21 13 43)*

10 21 13 43-0002	LF	Extruded Aluminum Headrails For Toilet Partitions And Urinal Screens	10.72	1.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 21 13 43-0003	LF	Stainless Steel Headrails For Toilet Partitions And Urinal Screens	16.37	1.86
10 21 13 43-0004	EA	Replacement Of 1-1/2" x 58" Stainless Steel Wall Posts	84.67	
10 21 13 43-0005	EA	Replacement Of 58" Aluminum Wall U Bracket	56.21	
10 21 13 43-0006	EA	Replacement Of 58" Aluminum Wall Two Ear Bracket	93.50	
10 21 13 43-0007	EA	Replacement Of 54" Stainless Steel Wall U Bracket	65.31	
10 21 13 43-0008	EA	Replacement Of 54" Stainless Steel Wall Two Ear Bracket	155.95	
10 21 13 43-0009	EA	Replacement Of 54" Plastic Wall Two Ear Bracket, All Colors	128.17	
10 21 13 43-0010	EA	Replacement Of 57-1/2" Stainless Steel Hinge	108.39	

10 21 16 Shower and Dressing Compartments *(10 21)*

10 21 16 17 Phenolic-Core Shower and Dressing Compartments *(10 21 16)*

10 21 16 17-0001 Shower Dividers *(10 21 16 17)*

10 21 16 17-0002 Solid Phenolic Core Laminated Plastic, Shower Dividers *(10 21 16 17-0001)*

Note: Cut to height in field. panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels.

10 21 16 17-0003	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	697.50	116.13
		For 66" High Panels, Add	*69.79*	
10 21 16 17-0004	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	871.16	125.42
		For 66" High Panels, Add	*93.05*	
10 21 16 17-0005	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,120.58	139.35
		For 66" High Panels, Add	*126.28*	
10 21 16 17-0006	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,322.09	162.59
		For 66" High Panels, Add	*149.54*	
10 21 16 17-0007	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider	1,523.63	185.81
		For 66" High Panels, Add	*172.80*	

10 21 16 17-0008 Solid Phenolic Core Laminated Plastic, Shower Dividers With Headrail And Curtain Track *(10 21 16 17-0001)*

Note: Cut to height in field. Panels 58" high. Posts 1-1/4" square, 304 stainless steel satin finish. 1/2" thick panels. Includes 3/4" stiles, 85" from floor to top of headrail. Headrail 4" wide. All stainless steel shoes and stainless steel fittings. Leveling devices are chromate treated double zinc plated steel. Overhead braced designed with concealed curtain tracks and hooks in headrail.

10 21 16 17-0009	EA	18" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	1,663.58	204.11
		For 66" High Panels, Add	*229.13*	
		For 6" Wide Head Rail, Add	*41.74*	
		For 8" Wide Head Rail, Add	*58.38*	
		For 10" Wide Head Rail, Add	*70.93*	
		For 12" Wide Head Rail, Add	*85.53*	
		For 18" Wide, 1/2" Thick Bench, Add	*125.82*	
		For 24" Wide, 1/2" Thick Bench, Add	*165.82*	
10 21 16 17-0010	EA	24" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,045.80	222.87
		For 66" High Panels, Add	*284.58*	
		For 6" Wide Head Rail, Add	*52.46*	
		For 8" Wide Head Rail, Add	*72.92*	
		For 10" Wide Head Rail, Add	*88.92*	
		For 12" Wide Head Rail, Add	*107.15*	
		For 18" Wide, 1/2" Thick Bench, Add	*129.58*	
		For 24" Wide, 1/2" Thick Bench, Add	*169.58*	
10 21 16 17-0011	EA	36" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,566.31	237.00
		For 66" High Panels, Add	*361.25*	
		For 6" Wide Head Rail, Add	*67.51*	
		For 8" Wide Head Rail, Add	*93.17*	
		For 10" Wide Head Rail, Add	*114.10*	
		For 12" Wide Head Rail, Add	*137.39*	
		For 18" Wide, 1/2" Thick Bench, Add	*132.40*	
		For 24" Wide, 1/2" Thick Bench, Add	*172.40*	
10 21 16 17-0012	EA	48" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	2,745.69	265.14
		For 66" High Panels, Add	*385.34*	
		For 6" Wide Head Rail, Add	*71.77*	
		For 8" Wide Head Rail, Add	*99.22*	
		For 10" Wide Head Rail, Add	*121.38*	
		For 12" Wide Head Rail, Add	*146.18*	
		For 18" Wide, 1/2" Thick Bench, Add	*138.03*	
		For 24" Wide, 1/2" Thick Bench, Add	*178.03*	
10 21 16 17-0013	EA	57" Wide, Solid Phenolic Core Laminated Plastic, Shower Divider With Headrail And Curtain Track	3,136.33	288.18
		For 66" High Panels, Add	*441.63*	
		For 6" Wide Head Rail, Add	*82.56*	
		For 8" Wide Head Rail, Add	*113.93*	
		For 10" Wide Head Rail, Add	*139.53*	
		For 12" Wide Head Rail, Add	*168.01*	
		For 18" Wide, 1/2" Thick Bench, Add	*142.63*	
		For 24" Wide, 1/2" Thick Bench, Add	*182.63*	

10 22 Partitions *(10 20)*

10 22 13 Wire Mesh Partitions *(10 22)*

10 22 13 00-0001 Wall Panels *(10 22 13)*

Note: Includes steel frame and posts. Posts bolted to floor.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0002	SF	Wire Mesh Wall Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	13.99	1.16
		For 5' Wide Panels, Add	*0.58*	
10 22 13 00-0003	SF	Wire Mesh Wall Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.44	1.39
		For 5' Wide Panels, Add	*0.63*	
10 22 13 00-0004	SF	Wire Mesh Wall Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.34	1.62
		For 5' Wide Panels, Add	*0.70*	

10 22 13 00-0005 Ceiling Panels *(10 22 13)*

Note: Includes steel frame.

10 22 13 00-0006	SF	Wire Mesh Ceiling Panel, 10 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	14.41	1.39
10 22 13 00-0007	SF	Wire Mesh Ceiling Panel, 8 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	15.87	1.62
10 22 13 00-0008	SF	Wire Mesh Ceiling Panel, 6 Gauge, Diamond Pattern With Vertical And Horizontal Frames And Posts	17.54	1.86

10 22 13 00-0009 Sliding Doors *(10 22 13)*

Note: Includes padlocks lugs and/or provisions for cylinder lock.

10 22 13 00-0010	EA	4' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,254.13	243.88
		For 8 Gauge, Add	*139.34*	
		For 6 Gauge, Add	*278.69*	
10 22 13 00-0011	EA	4' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,315.62	269.42
		For 8 Gauge, Add	*143.46*	
		For 6 Gauge, Add	*286.92*	
10 22 13 00-0012	EA	5' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,445.90	278.72
		For 8 Gauge, Add	*161.14*	
		For 6 Gauge, Add	*322.29*	
10 22 13 00-0013	EA	5' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,578.09	301.94
		For 8 Gauge, Add	*176.33*	
		For 6 Gauge, Add	*352.65*	
10 22 13 00-0014	EA	6' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,628.23	320.52
		For 8 Gauge, Add	*180.13*	
		For 6 Gauge, Add	*360.26*	
10 22 13 00-0015	EA	6' x 10' Sliding Door, 10 Gauge With Cylinder Lock	1,797.89	339.10
		For 8 Gauge, Add	*201.86*	
		For 6 Gauge, Add	*403.73*	
10 22 13 00-0016	EA	8' x 8' Sliding Door, 10 Gauge With Cylinder Lock	1,932.12	364.65
		For 8 Gauge, Add	*216.89*	
		For 6 Gauge, Add	*433.78*	
10 22 13 00-0017	EA	8' x 10' Sliding Door, 10 Gauge With Cylinder Lock	2,110.11	380.90
		For 8 Gauge, Add	*240.34*	
		For 6 Gauge, Add	*480.67*	
10 22 13 00-0018	EA	10' x 8' Sliding Door, 10 Gauge With Cylinder Lock	2,126.11	390.20
		For 8 Gauge, Add	*240.88*	
		For 6 Gauge, Add	*481.75*	
10 22 13 00-0019	EA	10' x 10' Sliding Door, 10 Gauge With Cylinder Lock	2,354.40	413.42
		For 8 Gauge, Add	*270.48*	
		For 6 Gauge, Add	*540.95*	

10 22 13 00-0020 Swing Doors *(10 22 13)*

10 22 13 00-0021 Single Swing Door *(10 22 13 00-0020)*

10 22 13 00-0022	EA	3' x 7' Swing Door, 10 Gauge With Cylinder Lock	863.03	144.00
		For 8 Gauge, Add	*98.49*	
		For 6 Gauge, Add	*196.97*	
10 22 13 00-0023	EA	3' x 8' Swing Door, 10 Gauge With Cylinder Lock	930.47	162.59
		For 8 Gauge, Add	*107.05*	
		For 6 Gauge, Add	*214.11*	
10 22 13 00-0024	EA	3' x 9' Swing Door, 10 Gauge With Cylinder Lock	998.41	171.87
		For 8 Gauge, Add	*115.39*	
		For 6 Gauge, Add	*230.78*	
10 22 13 00-0025	EA	4' x 7' Swing Door, 10 Gauge With Cylinder Lock	976.93	185.81
		For 8 Gauge, Add	*109.38*	
		For 6 Gauge, Add	*218.76*	
10 22 13 00-0026	EA	4' x 8' Swing Door, 10 Gauge With Cylinder Lock	1,047.47	195.09
		For 8 Gauge, Add	*118.10*	
		For 6 Gauge, Add	*236.20*	
10 22 13 00-0027	EA	4' x 9' Swing Door, 10 Gauge With Cylinder Lock	1,094.23	204.39
		For 8 Gauge, Add	*123.26*	
		For 6 Gauge, Add	*246.51*	
10 22 13 00-0028	EA	4' x 7' Dutch Door, 10 Gauge With Cylinder Lock	1,314.81	185.81
		For 8 Gauge, Add	*160.06*	
		For 6 Gauge, Add	*320.12*	
10 22 13 00-0029	EA	4' x 8' Dutch Door, 10 Gauge With Cylinder Lock	1,395.93	195.09
		For 8 Gauge, Add	*170.37*	
		For 6 Gauge, Add	*340.74*	

10 22 13 00-0030 Double Swing Doors *(10 22 13 00-0020)*

10 22 13 00-0031	EA	6' x 7' Double Swing Door, 10 Gauge With Cylinder Lock	1,371.18	232.26
		For 8 Gauge, Add	*159.23*	
		For 6 Gauge, Add	*318.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 13 00-0032	EA	6' x 8' Double Swing Door, 10 Gauge With Cylinder Lock	1,399.05	246.20
		For 8 Gauge, Add	*160.62*	
		For 6 Gauge, Add	*321.24*	
10 22 13 00-0033	EA	6' x 9' Double Swing Door, 10 Gauge With Cylinder Lock	1,962.10	260.13
		For 8 Gauge, Add	*242.29*	
		For 6 Gauge, Add	*484.58*	
10 22 13 00-0034	EA	8 x 7' Double Swing Door, 10 Gauge With Cylinder Lock	1,464.08	278.72
		For 8 Gauge, Add	*163.87*	
		For 6 Gauge, Add	*327.74*	
10 22 13 00-0035	EA	8 x 8' Double Swing Door, 10 Gauge With Cylinder Lock	1,491.95	292.65
		For 8 Gauge, Add	*165.26*	
		For 6 Gauge, Add	*330.53*	
10 22 13 00-0036	EA	8 x 9' Double Swing Door, 10 Gauge With Cylinder Lock	2,054.99	306.59
		For 8 Gauge, Add	*246.93*	
		For 6 Gauge, Add	*493.87*	

10 22 19 Demountable Partitions *(10 22)*

10 22 19 13 Demountable Metal Partitions *(10 22 19)*

10 22 19 13-0001	LF	9' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	132.51	14.78
		For >9, Add 16.56		
10 22 19 13-0002	LF	7' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	116.31	11.77
		For >9, Add 14.54		
10 22 19 13-0003	LF	5' High Demountable Partition, 1.75 System, Aluminum Framed, Vinyl Clad Hardboard, Paper Honeycomb Core, 1.75"/2.5" Thick	100.12	8.85
		For >9, Add 12.52		
10 22 19 13-0004	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panel, 48" Wide, Backed Enamel	136.27	11.77
		For >9, Add 17.03		
10 22 19 13-0005	LF	9' High Demountable Partition, Moveable Steel Wall, Mod System, Unitized Panels, 48" Wide, Fabric	197.93	12.66
		For >9, Add 24.74		

10 22 19 43 Demountable Composite Partitions *(10 22 19)*

10 22 19 43-0001	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Vinyl Clad	204.53	14.78
		For >9, Add 25.57		
10 22 19 43-0002	LF	Demountable Partition, Mineral Fiber System, Unitized Panel, 9' High, 2-1/4" Thick, Aluminum Frame, Fabric Clad	256.13	16.11
		For >9, Add 32.02		
10 22 19 43-0003	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	42.95	2.21
		For Acoustical Partitions, Add	*3.86*	
10 22 19 43-0004	SF	Partition, Trackless Wall, Cork Finish, Semi-Acoustic, 1-5/8" Thick	53.75	3.71
		For Acoustical Partitions, Add	*4.63*	
10 22 19 43-0005	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	45.81	2.30
		For Acoustical Partitions, Add	*4.12*	
10 22 19 43-0006	SF	Partition, Trackless Wall, Cork Finish, Acoustic, 2" Thick	65.51	3.19
		For Acoustical Partitions, Add	*5.92*	

10 22 19 53 Demountable Gypsum Partitions *(10 22 19)*

10 22 19 53-0001 Demountable Gypsum Partitions *(10 22 19 53)*

10 22 19 53-0002	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Vinyl Clad	81.55	14.78
		For >9, Add 10.19		
10 22 19 53-0003	LF	9' High Demountable Partition Gypsum System, 2" To 2.5" Steel Standard, 3" To 3-3/4" Thick, Fabric Clad	137.60	16.11
		For >9, Add 17.20		
10 22 19 53-0004	LF	9' High Demountable Partition Gypsum System, 2" To 2.5", Steel Standard, 3" To 3-3/4" Thick, Steel Clad	148.10	17.71
		For >9, Add 18.51		
10 22 19 53-0005	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Vinyl Clad	165.92	14.78
		For >9, Add 20.74		
10 22 19 53-0006	LF	9' High Demountable Partition Gypsum System, Unitized Panel, 2" To 2-1/2" Thick, Fabric Clad	276.72	16.11
		For >9, Add 34.59		

10 22 23 Portable Partitions, Screens, and Panels *(10 22)*

Note: Cubicle prices include standard units, standard height glass and glazing. For 25 percent and 50 percent glass 1/4" plate glass is used. For 100 percent glass 1/4" tempered plate is used.

10 22 23 23 Movable Panel Systems *(10 22 23)*

10 22 23 23-0001 Portable Partitions *(10 22 23 23)*

10 22 23 23-0002	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 4' High	258.72	7.08
10 22 23 23-0003	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 5' High	275.75	7.87
10 22 23 23-0004	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 3'-0" Long, 6' High	327.80	9.47
10 22 23 23-0005	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 4' High	190.88	4.07
10 22 23 23-0006	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 5' High	202.52	4.69
10 22 23 23-0007	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 5'-0" Long, 6' High	227.57	5.66
10 22 23 23-0008	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Straight, 6'-0" Long, 5' High	194.09	4.34
10 22 23 23-0009	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 5' High	345.26	7.87
10 22 23 23-0010	LF	Partition, Portable, Divided Panel, Freestanding, Fiber Core, Fabric Face Curved, 3'-0" Long, 6' High	379.29	9.47
10 22 23 23-0011	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 5' High	201.23	5.40
10 22 23 23-0012	LF	Partitions, Portable, Economical Panels, Fabric Face, 4'-0" Long, 6' High	228.89	6.29
10 22 23 23-0013	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 5' High	184.49	4.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 23 23-0014	LF	Partitions, Portable, Economical Panels, Fabric Face, 5'-0" Long, 6' High	206.98	5.66
10 22 23 23-0015	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 5' High	306.64	7.87
10 22 23 23-0016	LF	Partitions, Portable, Economical Panels, Fabric Face, 3'-0" Curved, 6' High	345.82	9.47
10 22 23 23-0017	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 5' High	311.79	7.87
10 22 23 23-0018	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 3'-0" Long, 6' High	379.29	9.47
10 22 23 23-0019	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 5' High	241.13	4.69
10 22 23 23-0020	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 5'-0" Long, 6' High	271.34	5.66
10 22 23 23-0021	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 5' High	254.59	4.34
10 22 23 23-0022	LF	Partitions, Portable, Acoustic Panels, 60 To 90 NRC, 6'-0" Long, 6' High	303.74	5.14
10 22 23 23-0023	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 5' High	147.17	5.40
10 22 23 23-0024	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 4'-0" Long, 6' High	173.55	6.29
10 22 23 23-0025	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 5'-0" Long, 6' High	156.78	5.66
10 22 23 23-0026	LF	Partitions, Portable, Economical Acoustic Panels, 40 NRC, 6'-0" Long, 5' High	114.29	4.34
10 22 23 23-0027	LF	Partitions, Portable, Metal Chalkboard, 6'-6" High, 1 Side	186.38	5.66
10 22 23 23-0028	LF	Partitions, Portable, Metal Chalkboard, 2 Sides	212.60	5.93
10 22 23 23-0029	LF	Partitions, Portable, Tackboard, Both Sides	171.13	5.75

10 22 23 23-0030 Adjustable Barrier Panel System (Edge Guard) *(10 22 23 23)*

Note: Panels are opal or transparent. Panels include self leveling floor channel, 1/4" foam gasket to conform to ceiling, edge gaskets, grid clips, and cam locks.

10 22 23 23-0031	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4000)	665.39	
10 22 23 23-0032	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4001)	631.82	
10 22 23 23-0033	EA	2' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4002)	497.58	
10 22 23 23-0034	EA	2' Wide x 7'-8" To 10' High With High Efficiency Particulate Air (HEPA) Filtered Air Discharge Port, Fire Rated Containment Panel Assembly (Edge Guard 4002.1)	575.89	
10 22 23 23-0035	EA	3' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 32" Door (Edge Guard 4010)	1,017.78	
		Note: Door panels include a hydraulic closer and a lever style lockset standard.		
10 22 23 23-0036	EA	4' Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 44" Door (Edge Guard 4003)	1,129.65	
10 22 23 23-0037	EA	4'-4" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly With 48" Door (Edge Guard 4008)	1,353.39	
		Note: Door panels include a hydraulic closer and a lever style lockset standard.		
10 22 23 23-0038	EA	7'-8" To 10' High, Hinged Corner Assembly (Edge Guard 4004)	225.54	
10 22 23 23-0039	EA	6" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4005)	304.73	
10 22 23 23-0040	EA	12" Wide x 7'-8" To 10' High, Fire Rated Containment Panel Assembly (Edge Guard 4006)	327.10	
10 22 23 23-0041	EA	7'-8" To 10' High, Outside Corner Post (Edge Guard 4007)	186.38	
10 22 23 23-0042	EA	7'-8" To 10' High, "T" Post Corner Assembly (Edge Guard 4009)	186.38	
10 22 23 23-0043	EA	Closure Strips (Edge Guard 3003)	13.03	
		Note: To seal panels to existing walls		
10 22 23 23-0044	EA	Digital Differential Pressure Gauge Kit (Edge Guard 3005)	312.29	

10 22 33 Accordion Folding Partitions *(10 22)*

10 22 33 00-0001 Accordion Doors/Partitions *(10 22 33)*

Note: Includes top support track and assembled panels.

10 22 33 00-0002	SF	15 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 1500)	51.44	4.38
		For <135, Add	*10.29*	
10 22 33 00-0003	SF	20 STC, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 2000)	52.32	4.53
		For <135, Add	*10.46*	
10 22 33 00-0004	SF	31 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3100)	54.72	4.67
		For <135, Add	*10.94*	
10 22 33 00-0005	SF	35 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3500)	57.93	4.83
		For <135, Add	*11.59*	
10 22 33 00-0006	SF	39 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 3900)	59.00	4.97
		For <135, Add	*11.80*	
10 22 33 00-0007	SF	40 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4000)	59.80	5.12
		For <135, Add	*11.96*	
10 22 33 00-0008	SF	41 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4100)	60.58	5.26
		For <135, Add	*12.12*	
10 22 33 00-0009	SF	45 STC Rating, Accordion Door/Partition With Standard Vinyl Finish (Hufcor® 4500)	61.68	5.55
		For <135, Add	*12.34*	

10 22 43 Sliding Partitions *(10 22)*

10 22 43 00-0001 Operable Wall *(10 22 43)*

Note: Includes top support track, assembled panel and frames.

10 22 43 00-0002	SF	Up To 720 SF, 12' Height Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	87.75	7.89
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*7.05*	
10 22 43 00-0003	SF	>720 To 1,200 SF, 12 High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	81.64	6.31
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*6.90*	
10 22 43 00-0004	SF	>1,200 SF, 12' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	77.12	5.25
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*6.75*	
10 22 43 00-0005	SF	Up To 1,080 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	74.92	5.53
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*6.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 22 43 00-0006	SF	>1,080 To 1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	70.20	4.49
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*6.24*	
10 22 43 00-0007	SF	>1,800 SF, 18' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	67.41	4.02
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*6.09*	
10 22 43 00-0008	SF	Up To 1,440 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	66.59	4.33
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*5.89*	
10 22 43 00-0009	SF	>1,440 To 2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	63.01	3.70
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*5.71*	
10 22 43 00-0010	SF	>2,400 SF, 24' High Continuously Hinged Electric Operable Wall, Vinyl Finish, Top And Bottom Sweep Seals, 47 STC Rating	60.50	3.32
		Note: Includes type 3 pocket door, two ADA pass doors, track and hardware. Hufcor 633E.		
		For 51 STC, Add	*5.56*	
10 22 43 00-0011	SF	Up To 160 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	93.04	7.02
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	*7.92*	
10 22 43 00-0012	SF	>160 To 240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	86.07	5.33
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	*7.71*	
10 22 43 00-0013	SF	>240 SF, 10' Height Paired Panel Manual Operable Wall, Vinyl Finish, Top Sweep Seals And Mechanical Bottom Seals, 47 STC Rating	81.94	4.49
		Note: Includes type 3 pocket door, track and hardware. Hufcor 632.		
		For 51 STC, Add	*7.53*	

10 26 Wall and Door Protection *(10 20)*

10 26 13 Corner Guards *(10 26)*

10 26 13 00-0001 Vinyl Corner Guards *(10 26 13)*

10 26 13 00-0002 Rigid Vinyl Corner Guards *(10 26 13 00-0001)*

10 26 13 00-0003 Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0002)*

10 26 13 00-0004 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0005	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-34)	7.03	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.21*	
10 26 13 00-0006	LF	1-1/2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-12)	7.61	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.24*	
10 26 13 00-0007	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-13)	10.83	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.40*	
10 26 13 00-0008	LF	4" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-14)	14.85	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.60*	

10 26 13 00-0009 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards *(10 26 13 00-0003)*

10 26 13 00-0010	LF	1-1/2" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard (Pawling CG-1245)	14.13	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.57*	

10 26 13 00-0011 Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0001)*

Note: Includes closure caps.

10 26 13 00-0012 Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0013 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0014	LF	2" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-20)	13.51	4.18
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-3.46*	
		For Recycled Vinyl Retainer, Deduct	*-1.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0015	LF	3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-10)	15.30	4.18
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-3.55*	
		For Recycled Vinyl Retainer, Deduct	*-1.67*	
10 26 13 00-0016	LF	Bullnose 3" Wing, 90 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-30)	17.09	4.18
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-3.64*	
		For Recycled Vinyl Retainer, Deduct	*-2.03*	

10 26 13 00-0017 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

10 26 13 00-0018	LF	3" Wing, 135 Degree Angle, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-135)	20.44	4.18
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-3.81*	
		For Recycled Vinyl Retainer, Deduct	*-2.70*	

10 26 13 00-0019 End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0012)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0020	LF	2" Wing, End Wall Protector, Surface Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-11)	29.18	5.57
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.25*	
		For >200, Deduct	*-5.17*	
		For Recycled Vinyl Retainer, Deduct	*-3.98*	

10 26 13 00-0021 Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0011)*

10 26 13 00-0022 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0023	LF	2" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-72)	18.66	4.18
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-3.72*	
		For Up To 2 HR Fire Rated, Add	*8.19*	
10 26 13 00-0024	LF	3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-7)	22.90	4.18
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-3.93*	
		For Up To 2 HR Fire Rated, Add	*11.16*	
10 26 13 00-0025	LF	Bullnose 3" Wing, 90 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-32)	21.08	4.18
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-3.84*	
		For Up To 2 HR Fire Rated, Add	*9.88*	

10 26 13 00-0026 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

10 26 13 00-0027	LF	3" Wing, 135 Degree Angle, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-75)	24.71	4.18
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-4.02*	
		For Up To 2 HR Fire Rated, Add	*12.43*	

10 26 13 00-0028 End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guards With Aluminum Retainers *(10 26 13 00-0021)*

Note: Includes two rigid vinyl corner guards with aluminum retainers and a vinyl wall covering filler strip inserted between guards.

10 26 13 00-0029	LF	2" Wing, End Wall Protector, Flush Mounted, Rigid Vinyl Corner Guard With Aluminum Retainer (Pawling CG-888)	53.28	5.57
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.25*	
		For >200, Deduct	*-6.38*	
		For Up To 2 HR Fire Rated, Add	*30.80*	

10 26 13 00-0030 Flexible Vinyl Corner Guards *(10 26 13 00-0001)*

Note: Includes adhesive for installation.

10 26 13 00-0031 Surface Mounted, Flexible Vinyl Corner Guards *(10 26 13 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0032		**90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guards** *(10 26 13 00-0031)*		
10 26 13 00-0033	LF	1-3/4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-9)	10.17	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.37*	
		For Bolting To Concrete Or Masonry, Add	*2.22*	
10 26 13 00-0034	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-3)	13.36	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.53*	
		For Bolting To Concrete Or Masonry, Add	*2.70*	
10 26 13 00-0035	LF	4" Wing, 90 Degree Angle, Surface Mounted, Flexible Vinyl Corner Guard (Pawling CG-15)	15.95	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.66*	
		For Bolting To Concrete Or Masonry, Add	*3.09*	
10 26 13 00-0036		**Polycarbonate Corner Guards** *(10 26 13)*		
10 26 13 00-0037		**Surface Mounted, Polycarbonate Corner Guards** *(10 26 13 00-0036)*		
10 26 13 00-0038		**90 Degree Angle, Surface Mounted, Polycarbonate Corner Guards** *(10 26 13 00-0037)*		
10 26 13 00-0039	LF	3/4" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-16)	6.31	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.18*	
10 26 13 00-0040	LF	1-1/8" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-17)	7.88	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.25*	
10 26 13 00-0041	LF	2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-24)	9.70	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.35*	
10 26 13 00-0042	LF	2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-18)	10.80	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.40*	
10 26 13 00-0043	LF	Bullnose 2-1/2" Wing, 90 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-23)	10.40	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.38*	
10 26 13 00-0044		**135 Degree Angle, Surface Mounted, Polycarbonate Corner Guards** *(10 26 13 00-0037)*		
10 26 13 00-0045	LF	2-1/2" Wing, 135 Degree Angle, Surface Mounted, Polycarbonate Corner Guard (Pawling CG-19)	10.80	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.40*	
10 26 13 00-0046		**Aluminum Corner Guards** *(10 26 13)*		
10 26 13 00-0047		**Surface Mounted, Aluminum Corner Guards** *(10 26 13 00-0046)*		
10 26 13 00-0048		**90 Degree Angle, Surface Mounted, Aluminum Corner Guards** *(10 26 13 00-0047)*		
10 26 13 00-0049	LF	1" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-400)	9.49	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.33*	
10 26 13 00-0050	LF	2" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-401)	11.60	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.44*	
10 26 13 00-0051	LF	3" Wing, 90 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-402)	12.90	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.51*	
10 26 13 00-0052		**135 Degree Angle, Surface Mounted, Aluminum Corner Guards** *(10 26 13 00-0047)*		
10 26 13 00-0053	LF	1" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-403)	9.49	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.33*	
10 26 13 00-0054	LF	2" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-404)	11.60	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.44*	
10 26 13 00-0055	LF	3" Wing, 135 Degree Angle, Surface Mounted, Aluminum Corner Guard (Pawling CG-405)	12.90	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0056		Steel Corner Guards *(10 26 13)*		
10 26 13 00-0057		Steel Angle Iron, Corner Guards *(10 26 13 00-0056)*		
10 26 13 00-0058		Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0057)*		
10 26 13 00-0059		90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guards *(10 26 13 00-0058)*		
10 26 13 00-0060	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	12.41	3.35
		For Galvanizing, Add	*2.39*	
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 200, Deduct	*-1.95*	
		For >200, Deduct	*-2.85*	
10 26 13 00-0061	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	16.02	3.62
		For Galvanizing, Add	*3.49*	
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 200, Deduct	*-2.11*	
		For >200, Deduct	*-3.22*	
10 26 13 00-0062	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.06	3.76
		For Galvanizing, Add	*3.78*	
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 200, Deduct	*-2.19*	
		For >200, Deduct	*-3.36*	
10 26 13 00-0063	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	17.43	3.90
		For Galvanizing, Add	*3.83*	
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-3.47*	
10 26 13 00-0064	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	22.01	4.04
		For Galvanizing, Add	*5.35*	
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 200, Deduct	*-2.36*	
		For >200, Deduct	*-3.79*	
10 26 13 00-0065	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	26.61	4.18
		For Galvanizing, Add	*6.88*	
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-4.11*	
10 26 13 00-0066	LF	6" x 6" x 1/4", 90 Degree Angle, Surface Mounted, Steel Angle Iron, Corner Guard	45.95	5.57
		For Galvanizing, Add	*12.83*	
		For >50 To 100, Deduct	*-2.32*	
		For >100 To 200, Deduct	*-3.25*	
		For >200, Deduct	*-6.01*	
10 26 13 00-0067		Stainless Steel Corner Guards *(10 26 13)*		
10 26 13 00-0068		Stainless Steel Corner Guards *(10 26 13 00-0067)*		
		Note: Includes 16 gauge, type 304 stainless steel corner guards with #4 satin finish.		
10 26 13 00-0069		Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0068)*		
10 26 13 00-0070		90 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0071	LF	1" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-520)	10.69	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.39*	
10 26 13 00-0072	LF	2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-510)	12.54	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.49*	
10 26 13 00-0073	LF	3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-500)	17.38	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.73*	
10 26 13 00-0074	LF	Bullnose 3-1/2" Wing, 90 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-550)	17.38	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.73*	
10 26 13 00-0075		135 Degree Angle, Surface Mounted, Stainless Steel Corner Guards *(10 26 13 00-0069)*		
10 26 13 00-0076	LF	3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-600)	17.38	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.73*	
10 26 13 00-0077	LF	Bullnose 3-1/2" Wing, 135 Degree Angle, Surface Mounted, Stainless Steel Corner Guard (Pawling CG-650)	17.38	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.73*	
10 26 13 00-0078		Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0067)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 13 00-0079		Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0078)*		
10 26 13 00-0080		90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guards *(10 26 13 00-0079)*		
10 26 13 00-0081	LF	1" x 1" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	21.36	3.35
		For >50 To 100, Deduct	*-1.39*	
		For >100 To 200, Deduct	*-1.95*	
		For >200, Deduct	*-3.30*	
10 26 13 00-0082	LF	2" x 2" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	35.97	3.62
		For >50 To 100, Deduct	*-1.51*	
		For >100 To 200, Deduct	*-2.11*	
		For >200, Deduct	*-4.21*	
10 26 13 00-0083	LF	2" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	50.59	3.76
		For >50 To 100, Deduct	*-1.57*	
		For >100 To 200, Deduct	*-2.19*	
		For >200, Deduct	*-5.04*	
10 26 13 00-0084	LF	3" x 3" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	47.14	3.90
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-4.96*	
10 26 13 00-0085	LF	3" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	67.75	4.04
		For >50 To 100, Deduct	*-1.68*	
		For >100 To 200, Deduct	*-2.36*	
		For >200, Deduct	*-6.08*	
10 26 13 00-0086	LF	4" x 4" x 1/4", 90 Degree Angle, Surface Mounted, Stainless Steel Angle Iron, Corner Guard	62.47	4.18
		For >50 To 100, Deduct	*-1.74*	
		For >100 To 200, Deduct	*-2.44*	
		For >200, Deduct	*-5.91*	
10 26 13 00-0087		Rubber Corner Guards *(10 26 13)* Note: Includes adhesive for installation.		
10 26 13 00-0088		Natural Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0089		Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0088)*		
10 26 13 00-0090		90 Degree Angle, Surface Mounted, Natural Rubber Corner Guards *(10 26 13 00-0089)*		
10 26 13 00-0091	LF	4-3/4" Wing, 90 Degree Angle, Surface Mounted, Natural Rubber Corner Guard (Pawling CG-5)	52.45	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-4.48*	
		For Bolting To Concrete Or Masonry, Add	*8.57*	
10 26 13 00-0092		Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0093		Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0092)*		
10 26 13 00-0094		90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guards *(10 26 13 00-0093)*		
10 26 13 00-0095	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Styrene-Butadiene Rubber (SBR) Corner Guard (Pawling CG-2)	23.01	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-3.01*	
		For Bolting To Concrete Or Masonry, Add	*4.15*	
10 26 13 00-0096		Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0087)*		
10 26 13 00-0097		Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0096)*		
10 26 13 00-0098		90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guards *(10 26 13 00-0097)*		
10 26 13 00-0099	LF	4-5/8" Wing, 90 Degree Angle, Surface Mounted, Ethylene Propylene Diene Monomer (EPDM) Rubber Corner Guard (Pawling CG-2E)	20.06	2.78
		For >50 To 100, Deduct	*-1.16*	
		For >100 To 200, Deduct	*-1.63*	
		For >200, Deduct	*-2.86*	
		For Bolting To Concrete Or Masonry, Add	*3.71*	
10 26 16		**Bumper Guards** *(10 26)*		
10 26 16 13		**Bumper Rails** *(10 26 16)*		
10 26 16 13-0001		Crash Rails *(10 26 16 13)* Note: Includes end caps.		
10 26 16 13-0002		Polycarbonate Crash Rails *(10 26 16 13-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0003	LF	3" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-3)	11.33	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-3.54*	
10 26 16 13-0004	LF	4" High, 5/16" Deep, Polycarbonate Crash Rail (Pawling CR-4)	12.71	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-3.61*	

10 26 16 13-0005 Aluminum Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0006	LF	4" High, 3-1/4" Deep, Aluminum Crash Rail (Pawling CRA-100)	36.76	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-4.81*	

10 26 16 13-0007 Stainless Steel Crash Rails *(10 26 16 13-0001)*

10 26 16 13-0008	LF	4" High, 3-1/4" Deep, Stainless Steel Crash Rail (Pawling CRS-100)	66.10	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-6.28*	
10 26 16 13-0009	LF	5-1/2" High, 1-1/2" Deep, Stainless Steel Crash Rail (Pawling CRS-200)	51.43	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-5.54*	

10 26 16 13-0010 Wall Guards *(10 26 16 13)*

10 26 16 13-0011 Rigid Vinyl Wall Guards With Aluminum Retainers *(10 26 16 13-0010)*

Note: Includes end caps.

10 26 16 13-0012	LF	1-1/2" High, 1-1/2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-1)	12.01	3.25
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-3.20*	
10 26 16 13-0013	LF	3" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-3)	14.74	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-3.71*	
10 26 16 13-0014	LF	4" High, 3/4" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-4)	16.11	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-3.78*	
10 26 16 13-0015	LF	5" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-5)	16.85	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-3.81*	
10 26 16 13-0016	LF	6" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-6)	20.36	3.95
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.76*	
		For >200, Deduct	*-4.17*	
10 26 16 13-0017	LF	8" High, 1-1/16" Deep, Curved, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-7)	20.48	3.95
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.76*	
		For >200, Deduct	*-4.18*	
10 26 16 13-0018	LF	7-3/4" High, 1" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-8)	21.14	3.95
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.76*	
		For >200, Deduct	*-4.21*	
10 26 16 13-0019	LF	12" High, 2" Deep, Flat, Rigid Vinyl Wall Guard With Aluminum Retainer (Pawling WG-12)	25.72	4.18
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 200, Deduct	*-2.92*	
		For >200, Deduct	*-4.63*	

10 26 16 13-0020 Rubber Wall Guards *(10 26 16 13-0010)*

10 26 16 13-0021 D-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*

10 26 16 13-0022	LF	2" High, 1-3/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-2)	16.69	3.25
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-3.43*	
10 26 16 13-0023	LF	3" High, 3" Deep, D-Shaped, Rubber Wall Guard (Pawling D-3)	25.03	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-4.22*	
10 26 16 13-0024	LF	4" High, 4-1/4" Deep, D-Shaped, Rubber Wall Guard (Pawling D-4)	37.72	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-4.86*	
10 26 16 13-0025	LF	6" High, 6" Deep, D-Shaped, Rubber Wall Guard (Pawling D-6)	53.71	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-5.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 13-0026		Rectangular, Rubber Wall Guards *(10 26 16 13-0020)*		
10 26 16 13-0027	LF	8" High, 1-1/2" Deep, Rectangular, Rubber Wall Guard (Pawling E-1)	40.38	3.95
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.76*	
		For >200, Deduct	*-5.18*	
10 26 16 13-0028	LF	9" High, 2" Deep, Rectangular, Rubber Wall Guard (Pawling M-2)	51.33	4.18
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 200, Deduct	*-2.92*	
		For >200, Deduct	*-5.91*	
10 26 16 13-0029		Wing Type, Rubber Wall Guards *(10 26 16 13-0020)*		
10 26 16 13-0030	LF	6" High, 2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-20)	67.57	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-6.35*	
10 26 16 13-0031	LF	6" High, 3" Deep, Wing Type, Rubber Wall Guard (Pawling WT-30)	71.97	3.72
		For >50 To 100, Deduct	*-1.86*	
		For >100 To 200, Deduct	*-2.60*	
		For >200, Deduct	*-6.57*	
10 26 16 13-0032	LF	3-7/8" High, 2-1/2" Deep, Wing Type, Rubber Wall Guard (Pawling WT-25)	32.14	3.25
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-4.21*	
10 26 16 13-0033		U-Shaped, Rubber Wall Guards *(10 26 16 13-0020)*		
10 26 16 13-0034	LF	3-1/8" High, 3-7/8" Deep, U-Shaped, Rubber Wall Guard (Pawling U-4)	56.66	3.95
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.76*	
		For >200, Deduct	*-5.99*	
10 26 16 13-0035	LF	4-1/2" High, 3-1/2" Deep, U-Shaped, Rubber Wall Guard (Pawling U-3)	63.63	3.95
		For >50 To 100, Deduct	*-1.97*	
		For >100 To 200, Deduct	*-2.76*	
		For >200, Deduct	*-6.34*	
10 26 16 13-0036		Accent Rails *(10 26 16 13)*		
		Note: Includes end caps.		
10 26 16 13-0037		Oval, Rigid Vinyl Accent Rails With Aluminum Retainers *(10 26 16 13-0036)*		
10 26 16 13-0038	LF	1-1/8" High, 1-1/16" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EB-25)	14.40	3.25
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-3.32*	
10 26 16 13-0039	LF	2" High, 1-1/8" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling EBR-30)	14.43	3.25
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-3.32*	
10 26 16 13-0040	LF	2" High, 1-3/4" Deep, Oval, Rigid Vinyl Accent Rail With Aluminum Retainer (Pawling WG-22)	21.19	3.25
		For >50 To 100, Deduct	*-1.63*	
		For >100 To 200, Deduct	*-2.28*	
		For >200, Deduct	*-3.66*	
10 26 16 16		**Protective Corridor Handrails** ***(10 26 16)***		
10 26 16 16-0001		Protective Corridor Handrails *(10 26 16 16)*		
10 26 16 16-0002		Vinyl/Acrylic Protective Corridor Handrails With Aluminum Retainers *(10 26 16 16-0001)*		
10 26 16 16-0003	LF	1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-6CN)	30.40	6.96
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.88*	
		For >200, Deduct	*-7.09*	
10 26 16 16-0004	EA	End Cap For 1-1/2" Diameter, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	25.69	6.96
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.88*	
		For >100, Deduct	*-6.86*	
10 26 16 16-0005	LF	5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HRB-4C)	44.51	6.96
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.88*	
		For >200, Deduct	*-7.80*	
10 26 16 16-0006	EA	End Cap For 5-1/2" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	35.10	6.96
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.88*	
		For >100, Deduct	*-7.33*	
10 26 16 16-0007	LF	6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn HRB-10CN)	46.87	6.96
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.88*	
		For >200, Deduct	*-7.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 16 16-0008	EA	End Cap For 6-1/4" High, Vinyl/Acrylic Crash And Handrail With Aluminum Retainer (Acrovyn)	51.57	6.96
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.88*	
		For >100, Deduct	*-8.15*	
10 26 16 16-0009	LF	6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn HR-8CN)	63.33	6.96
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.88*	
		For >200, Deduct	*-8.74*	
10 26 16 16-0010	EA	End Cap For 6" High, Vinyl/Acrylic Protective Corridor Handrail With Aluminum Retainer (Acrovyn)	70.39	6.96
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.88*	
		For >100, Deduct	*-9.09*	

10 26 16 16-0011 Stainless Steel Protective Corridor Handrails *(10 26 16 16-0001)*

10 26 16 16-0012	LF	5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn P-RS)	86.86	6.96
		For >50 To 100, Deduct	*-3.48*	
		For >100 To 200, Deduct	*-4.88*	
		For >200, Deduct	*-9.92*	
10 26 16 16-0013	EA	End Cap For 5-7/8" High, Stainless Steel Protective Corridor Handrail (Acrovyn)	89.21	6.96
		For >25 To 50, Deduct	*-3.48*	
		For >50 To 100, Deduct	*-4.88*	
		For >100, Deduct	*-10.03*	

10 26 16 16-0014 Hardwood Protective Corridor Handrails *(10 26 16 16-0001)*

Note: Includes end caps.

10 26 16 16-0015	LF	4" High, Vinyl Protective Corridor Handrail With 1-1/2" Diameter Wood (Pawling BR-400C)	29.32	5.06
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 200, Deduct	*-3.54*	
		For >200, Deduct	*-5.51*	
		For Maple, Add	*0.58*	
10 26 16 16-0016	LF	5-1/2" Diameter, Hardwood Protective Corridor Handrail With Vinyl Inserts (Pawling BR-5500)	35.46	5.40
		For >50 To 100, Deduct	*-2.70*	
		For >100 To 200, Deduct	*-3.78*	
		For >200, Deduct	*-6.09*	
10 26 16 16-0017	LF	1-1/2" Diameter, Hardwood Protective Corridor Handrail (Pawling BR-1500)	25.21	5.06
		For >50 To 100, Deduct	*-2.53*	
		For >100 To 200, Deduct	*-3.54*	
		For >200, Deduct	*-5.31*	
		For Maple, Add	*6.49*	
		For Oak, Add	*7.24*	

10 26 23 Protective Wall Covering *(10 26)*

10 26 23 13 Impact Resistant Wall Protection *(10 26 23)*

10 26 23 13-0001 Impact Resistant Wall Protection *(10 26 23 13)*

Note: Includes standard trim.

10 26 23 13-0002	SF	0.030" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-30)	7.57	2.32
10 26 23 13-0003	SF	0.040" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-40)	7.93	2.32
10 26 23 13-0004	SF	0.060" Rigid Vinyl, Impact Resistant Wall Covering (Pawling WC-60)	9.98	2.32

10 26 23 13-0005 Interior Polyvinyl Chloride (PVC) Soffit System *(10 26 23 13)*

Note: DecoShield Systems, Inc. Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit.

10 26 23 13-0006 "L" Design *(10 26 23 13-0005)*

10 26 23 13-0007 L-Shield *(10 26 23 13-0006)*

10 26 23 13-0008	LF	2.38" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	11.65	2.32
10 26 23 13-0009	LF	3" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" And 1-1/2" Pipe	13.67	3.25
10 26 23 13-0010	LF	3.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 2" Pipe	17.91	4.18
10 26 23 13-0011	LF	5.75" Depth L-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2-1/2" Shield Size For 2-1/2" Pipe	24.37	5.11

10 26 23 13-0012 "Combo" Hanger *(10 26 23 13-0006)*

10 26 23 13-0013	EA	Combination "Combo" Hanger, L-Support, For 3/4" Pipe	13.56	4.65
10 26 23 13-0014	EA	Combination "Combo" Hanger, L-Support, For 1" Pipe	15.76	5.58
10 26 23 13-0015	EA	Combination "Combo" Hanger, L-Support, For 1-1/4" Pipe	18.21	6.50
10 26 23 13-0016	EA	Combination "Combo" Hanger, L-Support, For 1-1/2" Pipe	20.32	7.43
10 26 23 13-0017	EA	Combination "Combo" Hanger, L-Support, For 2" Pipe	22.78	8.36

10 26 23 13-0018 Snap-2 Pipe Hanger *(10 26 23 13-0006)*

10 26 23 13-0019	EA	Snap-2 Pipe Hanger, L-Support, For 3/4" Pipe	11.51	4.65
10 26 23 13-0020	EA	Snap-2 Pipe Hanger, L-Support, For 1" Pipe	13.97	5.58
10 26 23 13-0021	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/4" Pipe	16.25	6.50
10 26 23 13-0022	EA	Snap-2 Pipe Hanger, L-Support, For 1-1/2" Pipe	18.87	7.43
10 26 23 13-0023	EA	Snap-2 Pipe Hanger, L-Support, For 2" Pipe	21.58	8.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0024		**Coupling** *(10 26 23 13-0006)*		
10 26 23 13-0025	EA	Coupling, L-Shield, 1" Shield Size	7.29	2.32
10 26 23 13-0026	EA	Coupling, L-Shield, 1-1/4" Shield Size	10.51	3.25
10 26 23 13-0027	EA	Coupling, L-Shield, 2" Shield Size	14.93	4.18
10 26 23 13-0028	EA	Coupling, L-Shield, 2-1/2" Shield Size	18.66	5.11
10 26 23 13-0029		**Coupling, Reducer** *(10 26 23 13-0006)*		
10 26 23 13-0030	EA	Coupling, Reducing, L-Shield, 1-1/4" x 1" Shield Size	19.23	2.78
10 26 23 13-0031	EA	Coupling, Reducing, L-Shield, 2" x 1" Shield Size	23.56	3.25
10 26 23 13-0032	EA	Coupling, Reducing, L-Shield, 2" x 1-1/4" Shield Size	27.90	3.72
10 26 23 13-0033	EA	Coupling, Reducing, L-Shield, 2-1/2" x 2" Shield Size	105.51	4.65
10 26 23 13-0034		**Shield Clips** *(10 26 23 13-0006)*		
10 26 23 13-0035	EA	Shield Clips, L-Support, 1" Shield Size	4.40	1.39
10 26 23 13-0036	EA	Shield Clips, L-Support, 1-1/4" Shield Size	6.70	2.32
10 26 23 13-0037	EA	Shield Clips, L-Support, 2" Shield Size	8.89	3.25
10 26 23 13-0038	EA	Shield Clips, L-Support, 2-1/2" Shield Size	10.24	4.18
10 26 23 13-0039		**Wall Flange** *(10 26 23 13-0006)*		
10 26 23 13-0040	EA	Wall Flange, L-Shield, 1" Shield Size	7.12	2.32
10 26 23 13-0041	EA	Wall Flange, L-Shield, 1-1/4" Shield Size	10.17	3.25
10 26 23 13-0042	EA	Wall Flange, L-Shield, 2" Shield Size	14.59	4.18
10 26 23 13-0043	EA	Wall Flange, L-Shield, 2-1/2" Shield Size	55.98	5.11
10 26 23 13-0044		**End Cap** *(10 26 23 13-0006)*		
10 26 23 13-0045	EA	End Cap, L-Shield, 1" Shield Size	6.96	1.39
10 26 23 13-0046	EA	End Cap, L-Shield, 1-1/4" Shield Size	9.43	2.32
10 26 23 13-0047	EA	End Cap, L-Shield, 2" Shield Size	13.07	3.25
10 26 23 13-0048	EA	End Cap, L-Shield, 2-1/2" Shield Size	56.64	4.18
10 26 23 13-0049		**Inside/Outside Corner** *(10 26 23 13-0006)*		
10 26 23 13-0050	EA	Inside/Outside Corner, L-Shield, 1" Shield Size	41.96	4.65
10 26 23 13-0051	EA	Inside/Outside Corner, L-Shield, 1-1/4" Shield Size	45.44	5.58
10 26 23 13-0052	EA	Inside/Outside Corner, L-Shield, 2" Shield Size	54.97	6.97
10 26 23 13-0053	EA	Inside/Outside Corner, L-Shield, 2-1/2" Shield Size	94.77	8.36
10 26 23 13-0054		**Joiner** *(10 26 23 13-0006)*		
10 26 23 13-0055	LF	Joiner, L-Shield	8.84	1.39
10 26 23 13-0056		**"U" Design** *(10 26 23 13-0005)*		
10 26 23 13-0057		**U-Shield** *(10 26 23 13-0056)*		
10 26 23 13-0058	LF	2.25" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1" Shield Size For 3/4" And 1" Pipe	13.86	2.32
10 26 23 13-0059	LF	2.875" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 1-1/4" Shield Size For 1-1/4" Pipe	17.42	3.25
10 26 23 13-0060	LF	3.68" Depth U-Shield Cover, Duplex Polyvinyl Chloride (PVC), 2" Shield Size For 1-1/2" And 2" Pipe	22.26	3.25
10 26 23 13-0061		**"Combo" Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0062	EA	Combination "Combo" Hanger, U-Support For 3/4" Pipe	11.93	4.65
10 26 23 13-0063	EA	Combination "Combo" Hanger, U-Support For 1" Pipe	14.22	5.58
10 26 23 13-0064	EA	Combination "Combo" Hanger, U-Support For 1-1/4" Pipe	16.42	6.50
10 26 23 13-0065	EA	Combination "Combo" Hanger, U-Support For 1-1/2" Pipe	20.06	7.43
10 26 23 13-0066	EA	Combination "Combo" Hanger, U-Support For 2" Pipe	22.69	8.36
10 26 23 13-0067		**Snap-2 Pipe Hanger** *(10 26 23 13-0056)*		
10 26 23 13-0068	EA	Snap-2 Pipe Hanger, U-Support, For 3/4" Pipe	11.34	4.65
10 26 23 13-0069	EA	Snap-2 Pipe Hanger, U-Support, For 1" Pipe	13.79	5.58
10 26 23 13-0070	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/4" Pipe	16.68	6.50
10 26 23 13-0071	EA	Snap-2 Pipe Hanger, U-Support, For 1-1/2" Pipe	18.70	7.43
10 26 23 13-0072	EA	Snap-2 Pipe Hanger, U-Support, For 2" Pipe	21.50	8.36
10 26 23 13-0073		**Coupling** *(10 26 23 13-0056)*		
10 26 23 13-0074	EA	Coupling, U-Shield, 1" Shield Size	8.49	2.32
10 26 23 13-0075	EA	Coupling, U-Shield, 1-1/4" Shield Size	10.77	3.25
10 26 23 13-0076	EA	Coupling, U-Shield, 2" Shield Size	13.22	4.18
10 26 23 13-0077		**Coupling, Reducer** *(10 26 23 13-0056)*		
10 26 23 13-0078	EA	Reducing Coupling, U-Shield, 1-1/4" x 1" Shield Size	22.64	2.78

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0079	EA	Reducing Coupling, U-Shield, 2" x 1" Shield Size	26.97	3.25
10 26 23 13-0080	EA	Reducing Coupling, U-Shield, 2" x 1-1/4" Shield Size	28.76	3.72
10 26 23 13-0081		**Shield Clips** *(10 26 23 13-0056)*		
10 26 23 13-0082	EA	Shield Clips, U-Support, 1" Shield Size	4.06	1.39
10 26 23 13-0083	EA	Shield Clips, U-Support, 1-1/4" Shield Size	6.10	2.32
10 26 23 13-0084	EA	Shield Clips, U-Support, 2" Shield Size	8.12	3.25
10 26 23 13-0085		**Wall Flange** *(10 26 23 13-0056)*		
10 26 23 13-0086	EA	Wall Flange, U-Shield, 1" Shield Size	8.23	2.32
10 26 23 13-0087	EA	Wall Flange, U-Shield, 1-1/4" Shield Size	10.68	3.25
10 26 23 13-0088	EA	Wall Flange, U-Shield, 2" Shield Size	13.14	4.18
10 26 23 13-0089		**End Cap** *(10 26 23 13-0056)*		
10 26 23 13-0090	EA	End Cap, U-Shield, 1" Shield Size	7.39	1.39
10 26 23 13-0091	EA	End Cap, U-Shield, 1-1/4" Shield Size	10.11	2.32
10 26 23 13-0092	EA	End Cap, U-Shield, 2" Shield Size	12.73	3.25
10 26 23 13-0093		**Inside/Outside Corner** *(10 26 23 13-0056)*		
10 26 23 13-0094	EA	Inside/Outside Corner, U-Shield, 1" Shield Size	52.28	4.65
10 26 23 13-0095	EA	Inside/Outside Corner, U-Shield, 1-1/4" Shield Size	58.32	5.58
10 26 23 13-0096	EA	Inside/Outside Corner, U-Shield, 2" Shield Size	69.13	6.97
10 26 23 13-0097		**Elbow** *(10 26 23 13-0056)*		
10 26 23 13-0098	EA	Elbow, U-Shield, 1" Shield Size	51.35	4.65
10 26 23 13-0099	EA	Elbow, U-Shield, 1-1/4" Shield Size	56.62	5.58
10 26 23 13-0100	EA	Elbow, U-Shield, 2" Shield Size	67.51	6.97
10 26 23 13-0101		**Tee** *(10 26 23 13-0056)*		
10 26 23 13-0102	EA	Tee, U-Shield, 1" x 1" x 1" Shield Size	65.38	6.97
10 26 23 13-0103	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1-1/4" Shield Size	72.94	8.36
10 26 23 13-0104	EA	Tee, U-Shield, 2" x 2" x 2" Shield Size	85.36	10.21
10 26 23 13-0105	EA	Tee, U-Shield, 1-1/4" x 1-1/4" x 1" Shield Size	85.74	7.90
10 26 23 13-0106	EA	Tee, U-Shield, 2" x 2" x 1-1/4" Shield Size	92.96	9.75
10 26 23 13-0107		**Cross** *(10 26 23 13-0056)*		
10 26 23 13-0108	EA	Cross, U-Shield, 1" Shield Size	117.11	9.29
10 26 23 13-0109	EA	Cross, U-Shield, 1-1/4" Shield Size	131.48	11.15
10 26 23 13-0110	EA	Cross, U-Shield, 2" Shield Size	159.92	13.94
10 26 23 13-0111	EA	Cross, U-Shield, 1-1/4" x 1" Shield Size	159.66	10.21
10 26 23 13-0112	EA	Cross, U-Shield, 2" x 1-1/4" Shield Size	176.08	12.54
10 26 23 13-0113		**Transition Fittings (L to U Or U to L)** *(10 26 23 13-0005)*		
10 26 23 13-0114		**Coupling Transition** *(10 26 23 13-0113)*		
10 26 23 13-0115	EA	Transition Coupling, 1" x 1", LxU or UxL	20.18	2.32
10 26 23 13-0116	EA	Transition Coupling, 1-1/4" x 1-1/4", LxU or UxL	23.05	3.25
10 26 23 13-0117	EA	Transition Coupling, 2" x 2", LxU or UxL	28.75	4.18
10 26 23 13-0118	EA	Transition Coupling, 1" x 1-1/4", LxU or UxL	22.90	2.78
10 26 23 13-0119	EA	Transition Coupling, 1-1/4" x 2", LxU or UxL	28.59	3.72
10 26 23 13-0120	EA	Transition Coupling, 2" x 2-1/2", LxU or UxL	110.38	4.65
10 26 23 13-0121		**Elbow Transition** *(10 26 23 13-0113)*		
10 26 23 13-0122	EA	Transition Elbow, 1" x 1" (UxL)	68.49	4.65
10 26 23 13-0123	EA	Transition Elbow, 1-1/4" x 1-1/4" (UxL)	74.45	5.58
10 26 23 13-0124	EA	Transition Elbow, 2" x 2" (UxL)	87.47	6.97
10 26 23 13-0125	EA	Transition Elbow, 1" x 1-1/4" (UxL)	105.75	5.11
10 26 23 13-0126	EA	Transition Elbow, 1-1/4" x 1" (UxL)	75.38	5.11
10 26 23 13-0127	EA	Transition Elbow, 1-1/4" x 2" (UxL)	112.13	6.50
10 26 23 13-0128	EA	Transition Elbow, 2" x 1-1/4" (UxL)	87.48	6.50
10 26 23 13-0129	EA	Transition Elbow, 2" x 2-1/2" (UxL)	134.63	7.43
10 26 23 13-0130		**Tee Transition** *(10 26 23 13-0113)*		
10 26 23 13-0131	EA	Transition Tee, 1" x 1" x 1" (LxLxU)	79.11	6.97
10 26 23 13-0132	EA	Transition Tee, 1-1/4" x 1-1/4" x 1-1/4" (LxLxU)	91.62	8.36
10 26 23 13-0133	EA	Transition Tee, 2" x 2" x 2" (LxLxU)	106.77	10.21
10 26 23 13-0134	EA	Transition Tee, 1-1/4" x 1-1/4" x 1" (LxLxU)	83.78	7.90
10 26 23 13-0135	EA	Transition Tee, 1-1/4" x 1-1/4" x 2" (LxLxU)	130.26	8.82
10 26 23 13-0136	EA	Transition Tee, 2" x 2" x 1-1/4" (LxLxU)	93.73	9.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 26 23 13-0137	EA	Transition Tee, 2-1/2" x 2-1/2" x 2" (LxLxU)	127.29	11.62

10 26 23 13-0138 Fittings (L Or U) *(10 26 23 13-0005)*

10 26 23 13-0139 Hugger Hangers For Steel Pipe *(10 26 23 13-0138)*

10 26 23 13-0140	EA	Hugger Hanger, For 1/2" Steel Pipe	9.22	3.72
10 26 23 13-0141	EA	Hugger Hanger, For 3/4" Steel Pipe	11.51	4.65
10 26 23 13-0142	EA	Hugger Hanger, For 1" Steel Pipe	13.54	5.58
10 26 23 13-0143	EA	Hugger Hanger, For 1-1/4" Steel Pipe	15.65	6.50
10 26 23 13-0144	EA	Hugger Hanger, For 1-1/2" Steel Pipe	17.68	7.43
10 26 23 13-0145	EA	Hugger Hanger, For 2" Steel Pipe	19.88	7.43
10 26 23 13-0146	EA	Hugger Hanger, For 2-1/2" Steel Pipe	21.91	9.29
10 26 23 13-0147	EA	Hugger Hanger, For 3" Steel Pipe	26.92	10.21

10 26 23 13-0148 Hugger Hangers For Copper Pipe *(10 26 23 13-0138)*

10 26 23 13-0149	EA	1/2" Copper Pipe, Hugger Hanger	9.31	3.72
10 26 23 13-0150	EA	3/4" Copper Pipe, Hugger Hanger	11.59	4.65
10 26 23 13-0151	EA	1" Copper Pipe, Hugger Hanger	13.62	5.58
10 26 23 13-0152	EA	1-1/4" Copper Pipe, Hugger Hanger	15.74	6.50
10 26 23 13-0153	EA	1-1/2" Copper Pipe, Hugger Hanger	17.76	7.43
10 26 23 13-0154	EA	2" Copper Pipe, Hugger Hanger	20.05	8.36
10 26 23 13-0155	EA	2-1/2" Copper Pipe, Hugger Hanger	22.08	9.29
10 26 23 13-0156	EA	3" Copper Pipe, Hugger Hanger	27.18	10.21

10 26 23 13-0157 Shield Extension (L Or U) *(10 26 23 13-0138)*

10 26 23 13-0158	LF	Shield Extension	10.63	1.39

10 26 23 13-0159 Interior Steel Soffit System *(10 26 23 13)*

Note: Concealment system for fire sprinkler piping, plumbing lines, HVAC, cable and conduit. Includes factory painted finish and field touch-up.

10 26 23 13-0160	SF	24 Gauge Steel, U-Shield (JG Innovations Soffi-Steel)	20.75	4.18
		For 22 Gauge Steel, Add	*1.24*	
		For 20 Gauge Steel, Add	*2.65*	
		For 18 Gauge Steel, Add	*5.20*	
		For 16 Gauge Steel, Add	*7.99*	
		For Stainless Steel, Add	*3.10*	
10 26 23 13-0161	EA	U-Shield Wall Flange (JG Innovations Soffi-Steel)	34.52	11.62
		For Stainless Steel, Add	*2.83*	
10 26 23 13-0162	EA	U-Shield Corner (JG Innovations Soffi-Steel)	81.51	13.94
		For Stainless Steel, Add	*13.18*	
10 26 23 13-0163	EA	U-Shield End Cap (JG Innovations Soffi-Steel)	25.99	6.97
		For Stainless Steel, Add	*3.01*	
10 26 23 13-0164	EA	U-Shield Clip (JG Innovations Soffi-Steel)	6.06	2.78
		For Stainless Steel, Add	*0.12*	
10 26 23 13-0165	SF	24 Gauge Steel, L-Shield (JG Innovations Soffi-Steel)	23.39	4.18
		For 22 Gauge Steel, Add	*1.13*	
		For 20 Gauge Steel, Add	*2.40*	
		For 18 Gauge Steel, Add	*4.66*	
		For 16 Gauge Steel, Add	*7.82*	
		For Stainless Steel, Add	*3.76*	
10 26 23 13-0166	EA	L-Shield Wall Flange (JG Innovations Soffi-Steel)	34.52	11.62
		For Stainless Steel, Add	*2.83*	
10 26 23 13-0167	EA	L-Shield Corner (JG Innovations Soffi-Steel)	81.51	13.94
		For Stainless Steel, Add	*13.18*	
10 26 23 13-0168	EA	L-Shield End Cap (JG Innovations Soffi-Steel)	22.26	5.11
		For Stainless Steel, Add	*3.01*	
10 26 23 13-0169	EA	L-Shield Clip (JG Innovations Soffi-Steel)	6.06	2.78
		For Stainless Steel, Add	*0.12*	

10 26 41 Bullet Resistant Panels *(10 26)*

10 26 41 00-0001 Laminated Bullet Resistant Fiberglass Panel *(10 26 41)*

Note: Material consisting of multiple layers of woven roving ballistic grade fiberglass cloth impregnated with a thermoset polyester resin and compressed into rigid flat sheets.

10 26 41 00-0002	SF	1/8" Thick Ballistic Resistant Fiberglass Panel, 1.2 LB/SF	15.08	1.31
10 26 41 00-0003	SF	3/16" Thick Ballistic Resistant Fiberglass Panel, 2 LB/SF	20.33	1.41
10 26 41 00-0004	SF	1/4" Thick Ballistic Resistant Fiberglass Panel, 2.4 To 2.6 LB/SF	22.93	1.50
10 26 41 00-0005	SF	5/16" Thick Ballistic Resistant Fiberglass Panel, 3 To 3.6 LB/SF	24.41	1.59
10 26 41 00-0006	SF	3/8" Thick Ballistic Resistant Fiberglass Panel, 3.6 To 3.9 LB/SF	26.42	1.68
10 26 41 00-0007	SF	7/16" Thick Ballistic Resistant Fiberglass Panel, 4 To 4.9 LB/SF	28.40	1.78
10 26 41 00-0008	SF	9/16" Thick Ballistic Resistant Fiberglass Panel, 5.5 To 6.6 LB/SF	47.46	2.15
10 26 41 00-0009	SF	1-1/8" Thick Ballistic Resistant Fiberglass Panel, 11 To 11.7 LB/SF	68.09	3.37
10 26 41 00-0010	SF	1-3/16" Thick Ballistic Resistant Fiberglass Panel, 12 To 13.2 LB/SF	80.73	4.03
10 26 41 00-0011	SF	1-5/16" Thick Ballistic Resistant Fiberglass Panel, 13.4 To 14 LB/SF	97.75	4.40
10 26 41 00-0012	SF	1-7/16" Thick Ballistic Resistant Fiberglass Panel, 15.2 To 16 LB/SF	110.95	4.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 28 Toilet, Bath, and Laundry Accessories *(10 20)*

10 28 13 Toilet Accessories *(10 28)*

10 28 13 13 Commercial Toilet Accessories *(10 28 13)*

10 28 13 13-0001 Toilet Accessories *(10 28 13 13)*

10 28 13 13-0002 Dispensers *(10 28 13 13-0001)*

10 28 13 13-0003 Paper Towel Dispensers *(10 28 13 13-0002)*

10 28 13 13-0004 Stainless Steel Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0005	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-262)	88.90	20.89
10 28 13 13-0006	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2620)	94.84	20.89
10 28 13 13-0007	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-2621)	95.72	20.89
10 28 13 13-0008	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-26212)	97.43	20.89
10 28 13 13-0009	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-263)	144.38	20.89
10 28 13 13-0010	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Classic B-359)	156.10	20.89
10 28 13 13-0011	EA	Surface Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick Contura B-4262)	170.01	20.89
10 28 13 13-0012	EA	Countertop Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick TrimLine B-526)	174.55	9.28
10 28 13 13-0013	EA	Concealed Cabinet, Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-318)	293.69	20.89
10 28 13 13-0014	EA	Touch Free, Surface Mounted, Stainless Steel Roll Paper Towel Dispenser (Bobrick B-2860)	345.83	20.89
10 28 13 13-0015	EA	Recessed Mounted, Stainless Steel Folded Paper Towel Dispenser (Bobrick B-4369)	372.75	20.89
10 28 13 13-0016	EA	Recessed Automated Touchless Towel Dispenser, Stainless (Georgia-Pacific enMotion® 59466)	214.11	20.89
10 28 13 13-0017	EA	Stainless Steel Mounting Bracket For Wall Mounting enMotion Recessed Automated Touchless Towel Dispenser (Georgia-Pacific enMotion® 59476)	103.56	11.61

10 28 13 13-0018 Plastic Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0019	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Folded Paper Towel Dispenser (Bobrick Matrix B-5262)	68.64	20.89
10 28 13 13-0020	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick Matrix B-52860)	136.89	20.89
10 28 13 13-0021	EA	Surface Mounted, Translucent Cover, Acrylonitrile Butadiene Styrene (ABS) Plastic Roll Paper Towel Dispenser (Bobrick B-72860)	135.98	20.89
10 28 13 13-0022	EA	Surface Mounted, Automated Touchless Towel Dispenser, Translucent Plastic (Georgia-Pacific enMotion® 59462)	116.35	20.89

10 28 13 13-0023 Aluminum Paper Towel Dispensers *(10 28 13 13-0003)*

10 28 13 13-0024	EA	Surface Mounted, Heavy-Duty Aluminum Casting Roll Paper Towel Dispenser (Bobrick B-253)	74.59	20.89

10 28 13 13-0025 Toilet Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0026 Plastic Toilet Tissue Dispensers *(10 28 13 13-0025)*

10 28 13 13-0027	EA	Two Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Bobrick B-5288)	68.42	20.89
10 28 13 13-0028	EA	Two Jumbo Roll, Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Toilet Tissue Dispenser (Georgia Pacific 58250)	182.94	20.89
10 28 13 13-0029	EA	Vertical Double Roll, Surface Mounted, Translucent Plastic Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56760)	59.79	20.89
10 28 13 13-0030	EA	Side By Side Double Roll, Surface Mounted, Translucent Plastic Toilet Tissue Dispenser (Georgia-Pacific Compact® 56784)	69.93	20.89

10 28 13 13-0031 Cast Aluminum Toilet Tissue Dispensers *(10 28 13 13-0025)*

10 28 13 13-0032	EA	Single Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2730)	62.26	20.89
10 28 13 13-0033	EA	Single Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-273)	62.70	20.89
10 28 13 13-0034	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-2740)	65.78	20.89
10 28 13 13-0035	EA	Two Roll With Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-274)	71.50	20.89
10 28 13 13-0036	EA	Two Roll Without Controlled Delivery, Surface Mounted, Cast Aluminum Toilet Tissue Dispenser (Bobrick B-27460)	92.64	20.89

10 28 13 13-0037 Stainless Steel Toilet Tissue Dispensers *(10 28 13 13-0025)*

10 28 13 13-0038	EA	Single Roll, Surface Mounted, Vandal Resistant, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-264)	53.67	20.89
10 28 13 13-0039	EA	Double Roll, Surface Mounted, Toilet Tissue Dispenser With Utility Shelf (Bobrick B-540)	144.24	20.89
10 28 13 13-0040	EA	Single Roll, Surface Mounted, Stainless Steel, Toilet Tissue Dispenser (Bobrick B-543)	85.99	20.89
10 28 13 13-0041	EA	Single Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-663)	82.29	20.89
10 28 13 13-0042	EA	Single Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-685)	88.84	20.89
10 28 13 13-0043	EA	Double Roll, Surface Mounted, Stainless Steel, Bright Polished Finish, Toilet Tissue Dispenser (Bobrick B-686)	115.40	23.21
10 28 13 13-0044	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6857)	88.84	20.89
10 28 13 13-0045	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser (Bobrick B-6867)	115.40	20.89
10 28 13 13-0046	EA	Single Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hood (Bobrick B-66997)	123.94	20.89
10 28 13 13-0047	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-6999)	190.93	20.89
10 28 13 13-0048	EA	Double Roll, Surface Mounted, Stainless Steel, Satin Finish, Toilet Tissue Dispenser With Hoods (Bobrick B-69997)	190.93	20.89
10 28 13 13-0049	EA	Single Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2890)	82.43	20.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0050	EA	Single Fold/Double Fold, Surface Mounted, Stainless Steel Toilet Tissue Cabinet (Bobrick B-272)	95.94	20.89
10 28 13 13-0051	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-265)	61.81	20.89
10 28 13 13-0052	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-2888)	102.76	20.89
10 28 13 13-0053	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Classic B-3888)	143.98	20.89
10 28 13 13-0054	EA	Two Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4288)	149.66	20.89
10 28 13 13-0055	EA	Two Roll, Recessed Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick Contura B-4388)	189.34	20.89
10 28 13 13-0056	EA	Two Jumbo Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-2892)	217.25	20.89
10 28 13 13-0057	EA	Four Roll, Partition Mounted, Stainless Steel Toilet Tissue Dispenser (Bobrick B-386) Note: Mounts centered through toilet partitions.	269.62	20.89
10 28 13 13-0058	EA	Multi-Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser With Shelf (Bobrick B-2840)	117.74	20.89
10 28 13 13-0059	EA	Vertical Double Roll, Surface Mounted, Stainless Steel Coreless Toilet Tissue Dispenser (Georgia-Pacific Compact® 56782)	109.13	20.89
10 28 13 13-0060	EA	Side By Side Double Roll, Surface Mounted, Stainless Steel Toilet Tissue Dispenser (Georgia-Pacific Compact® 56796)	88.70	20.89

10 28 13 13-0061 Soap or Sanitizer Dispensers *(10 28 13 13-0002)*

10 28 13 13-0062	EA	20 Fluid Ounce, 4" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-8221)	81.19	20.89
		For 34 Fluid Ounce (B-822), Add	*4.34*	
10 28 13 13-0063	EA	20 Fluid Ounce, 6" Spout, Top-Filling Lavatory Mounted, Chrome Plated Soap Dispenser (Bobrick B-82216)	87.80	20.89
		For 34 Fluid Ounce (B-822), Add	*4.34*	
10 28 13 13-0064	EA	24 Fluid Ounce, Surface Mounted, Translucent Polyethylene Soap Dispenser (Bobrick B-156)	56.09	20.89
10 28 13 13-0065	EA	24 Fluid Ounce, Surface Mounted, Chrome-Plated, Translucent Polyethylene Soap Dispenser (Bobrick B-155)	60.71	20.89
10 28 13 13-0066	EA	40 Fluid Ounce, Concealed Surface Mounted, Translucent Soap Dispenser (Bobrick B-40)	73.38	20.89
10 28 13 13-0067	EA	40 Fluid Ounce, Surface Mounted, Translucent Plastic Soap Dispenser (Bobrick Classic B-42)	75.29	20.89
10 28 13 13-0068	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Classic B-2111/2112)	82.51	20.89
10 28 13 13-0069	EA	40 Fluid Ounce, Surface Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4112)	103.43	20.89
10 28 13 13-0070	EA	45 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick B-306)	174.58	20.89
10 28 13 13-0071	EA	50 Fluid Ounce, Recessed Mounted, Stainless Steel Soap Dispenser (Bobrick Contura B-4063)	276.08	20.89
10 28 13 13-0072	EA	800 ml, Lavatory Mounted, Chrome Plated Automatic Soap Dispenser (Bobrick B-826.18) Note: Includes start-up kit.	172.67	20.89

10 28 13 13-0073 Sanitizer Dispensers *(10 28 13 13-0002)*

10 28 13 13-0074 Manual Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0075	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Liquid Hand Sanitizer Dispenser (Purelll 5020-01)	65.00	20.89
10 28 13 13-0076	EA	1,200 ml, Wall Mounted, Plastic, Manual Operation Foam Hand Sanitizer Dispenser (Purelll 4510-00)	65.95	20.89
10 28 13 13-0077	EA	1,250 ml, Wall Mounted, Plastic, Manual Operation Gel Hand Sanitizer Dispenser (Purelll 8824-06-UV)	65.65	20.89

10 28 13 13-0078 Automatic Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0079	EA	1,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Clorox 30242-EA)	60.99	20.89
10 28 13 13-0080	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 6420-01 ES6)	78.59	20.89
10 28 13 13-0081	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Gel Hand Sanitizer Dispenser (Purelll 6520-01 CS6)	74.20	20.89
10 28 13 13-0082	EA	1,200 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 7720-01 ES8)	79.58	20.89
10 28 13 13-0083	EA	1,000/1,200 ml, Wall Mounted, Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Georgia-Pacific enMotion® Gen2 Hygiene Series 52058)	91.24	20.89
10 28 13 13-0084	EA	2,000 ml, Wall Mounted, Plastic, Automatic Operation Liquid Hand Sanitizer Dispenser (Purelll 5240-06)	91.79	20.89

10 28 13 13-0085 Automatic Floor Stand Sanitizer Dispensers *(10 28 13 13-0073)*

10 28 13 13-0086	EA	1,000 ml, Floor Stand, Metal, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell Elite LTX™ 2456-DS)	447.33	6.96
10 28 13 13-0087	EA	1,200 ml, Floor Stand, ABS Plastic, Automatic Operation Foam/Gel Hand Sanitizer Dispenser (Purell 7308-DS-SLV)	481.05	6.96
10 28 13 13-0088	EA	1,200 ml, Floor Stand, Aluminum and Polypropylene, Automatic Operation Liquid Hand Sanitizer Dispenser (Purell 2454-DS02)	499.89	6.96

10 28 13 13-0089 Facial Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0090	EA	Surface Mounted, Stainless Steel Facial Tissue Dispenser (Bobrick B-8397)	93.08	20.89
10 28 13 13-0091	EA	Recessed Mounted, Stainless Steel Facial Tissue Dispenser (Gamco 355)	67.31	20.89

10 28 13 13-0092 Sanitary Toilet Seat Cover Dispensers *(10 28 13 13-0002)*

10 28 13 13-0093	EA	Surface Mounted, Acrylonitrile Butadiene Styrene (ABS) Plastic Sanitary Seat-Cover Dispenser (Bobrick Matrix B-5221)	55.21	20.89
10 28 13 13-0094	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-221)	72.60	20.89
10 28 13 13-0095	EA	Surface Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Contura B-4221)	127.43	20.89
10 28 13 13-0096	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick Classic B-301)	134.30	20.89
10 28 13 13-0097	EA	Recessed Mounted, Stainless Steel Sanitary Seat-Cover Dispenser (Bobrick TrimLine B-3013)	261.77	20.89

10 28 13 13-0098 Sanitary Toilet Seat Cover/Toilet Tissue Dispensers *(10 28 13 13-0002)*

10 28 13 13-0099	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick Classic B-3479)	415.07	20.89
10 28 13 13-0100	EA	Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-34745)	254.23	20.89

10 28 13 13-0101 Sanitary Napkin/Tampon Dispensers *(10 28 13 13-0002)*

10 28 13 13-0102	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick B-370639C)	511.84	20.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0103	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Gamco B-282 25)	389.87	20.89
10 28 13 13-0104	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Vending (Bobrick B-2706)	518.56	20.89
10 28 13 13-0105	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bobrick Classic B-352 25)	393.65	20.89
10 28 13 13-0106	EA	Recessed Mounted, Single Coin Operation, Stainless Steel, Sanitary Napkin/Tampon Vendor (Gamco NV-2-4)	346.48	20.89
10 28 13 13-0107	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Vendor (Bradley 401-45)	368.45	20.89

10 28 13 13-0108 Toilet Compartment Combination Dispenser/Disposals *(10 28 13 13-0002)*

10 28 13 13-0109	EA	Side Wall Recessed Mounted, Stainless Steel Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3094)	365.07	46.43
10 28 13 13-0110	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-3474)	407.04	46.43
10 28 13 13-0111	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-35745)	338.39	46.43
10 28 13 13-0112	EA	Side Wall Recessed Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3574)	474.42	46.43
10 28 13 13-0113	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser (Bobrick B-347)	487.40	46.43
10 28 13 13-0114	EA	Partition Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-357)	559.84	46.43
10 28 13 13-0115	EA	Surface Mounted, Stainless Steel Seat Cover And Toilet Tissue Dispenser With Sanitary Napkin Disposal (Bobrick B-3579)	525.20	46.43

10 28 13 13-0116 Receptacles *(10 28 13 13-0001)*

10 28 13 13-0117 Wall Mounted Waste Receptacles *(10 28 13 13-0116)*

10 28 13 13-0118	EA	1-1/2 Gallon, Surface Mounted, Stainless Steel Facial Tissue Waste Receptacle (Gamco WR-3)	82.48	20.89
10 28 13 13-0119	EA	6.4 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-279)	135.35	20.89
10 28 13 13-0120	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Classic B-3644)	312.59	46.43
10 28 13 13-0121	EA	12 Gallon, 4" Wall Recess, Stainless Steel Waste Receptacle (Bobrick Contura B-43644)	461.43	46.43
10 28 13 13-0122	EA	20 Gallon, Surface Mounted, Stainless Steel Waste Receptacle (Bobrick B-275)	366.54	46.43

10 28 13 13-0123 Floor-Standing/Counter Waste Receptacles *(10 28 13 13-0116)*

10 28 13 13-0124	EA	5-7/8" Inside Diameter, 3-7/8" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-532)	96.93	20.89
10 28 13 13-0125	EA	5-7/16" Inside Diameter, 5" Deep, Countertop-Mounted, Stainless Steel Waste Chute (Bobrick B-529)	137.77	20.89
10 28 13 13-0126	EA	13 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2260)	259.11	9.28
10 28 13 13-0127	EA	13 Gallon, Swing-Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2250)	391.66	9.28
10 28 13 13-0128	EA	18 Gallon, Open Top, Stainless Steel Floor-Standing Waste Receptacle (Bobrick B-2300)	366.96	9.28
10 28 13 13-0129	EA	21 Gallon, Open Top, Stainless Steel Floor Standing Waste Receptacle (Bobrick B-2280)	352.91	9.28

10 28 13 13-0130 Combination Paper Towel Dispenser/ Waste Receptacle *(10 28 13 13-0116)*

10 28 13 13-0131	EA	2 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-369)	259.75	46.43
10 28 13 13-0132	EA	2.6 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-4369)	414.53	46.43
10 28 13 13-0133	EA	2 Gallon, Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3944)	408.37	46.43
10 28 13 13-0134	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3900)	591.22	46.43
10 28 13 13-0135	EA	12 Gallon, Semi-Recess Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3909)	811.99	46.43
10 28 13 13-0136	EA	12 Gallon, Recessed Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-3961)	687.10	46.43
10 28 13 13-0137	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3949)	530.80	46.43
10 28 13 13-0138	EA	12 Gallon, Surface Mounted, Stainless Steel Combination Roll Towel Dispenser/Waste Receptacle (Bobrick Classic B-39619)	856.63	46.43
10 28 13 13-0139	EA	16 Gallon, Semi-Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Contura B-43944)	793.04	51.07
10 28 13 13-0140	EA	18 Gallon, Recessed Mounted, Stainless Steel Combination Folded Paper Towel Dispenser/Waste Receptacle (Bobrick Classic B-3947)	534.99	51.07

10 28 13 13-0141 Sanitary Napkin/Tampon Receptacles *(10 28 13 13-0116)*

10 28 13 13-0142	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Contura B-270)	76.59	23.21
10 28 13 13-0143	EA	Surface Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-254)	149.22	23.21
10 28 13 13-0144	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-353)	162.02	23.21
10 28 13 13-0145	EA	Recessed Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-35303)	373.82	23.21
10 28 13 13-0146	EA	Partition Mounted, Stainless Steel Sanitary Napkin/Tampon Disposal (Bobrick Classic B-354)	199.89	23.21
10 28 13 13-0147	EA	Partition Mounted, Stainless Steel Sanitary Napkin Disposal (Bobrick Contura B-4354)	347.63	23.21

10 28 13 13-0148 Grab Bars *(10 28 13 13-0001)*

10 28 13 13-0149 1-1/4" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0148)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0150	EA	12" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Gamco 125sx12)	75.29	18.57
		For Peened Grip, Add	*3.85*	
10 28 13 13-0151	EA	18" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x18)	86.23	18.57
		For Peened Grip, Add	*4.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0152	EA	24" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x24)	87.33	18.57
		For Peened Grip, Add	*4.93*	
10 28 13 13-0153	EA	30" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x30)	87.85	18.57
		For Peened Grip, Add	*4.98*	
10 28 13 13-0154	EA	36" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x36)	87.99	18.57
		For Peened Grip, Add	*4.99*	
10 28 13 13-0155	EA	42" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x42)	90.64	18.57
		For Peened Grip, Add	*5.23*	
10 28 13 13-0156	EA	48" Length, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5806x48)	94.81	18.57
		For Peened Grip, Add	*5.61*	

10 28 13 13-0157 1-1/4" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0148)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0158	EA	24" x 36", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-58616)	143.50	18.57
		For Peened Grip, Add	*9.57*	
10 28 13 13-0159	EA	36" x 54", Two Wall, 1-1/4" Diameter, Stainless Steel Grab Bar (Bobrick B-5837)	146.35	18.57
		For Peened Grip, Add	*9.83*	

10 28 13 13-0160 1-1/2" Diameter, Stainless Steel Grab Bars *(10 28 13 13-0148)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0161	EA	12" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x12)	85.32	18.57
		For Peened Grip, Add	*4.75*	
10 28 13 13-0162	EA	18" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x18)	86.23	18.57
		For Peened Grip, Add	*4.84*	
10 28 13 13-0163	EA	24" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x24)	87.99	18.57
		For Peened Grip, Add	*4.99*	
10 28 13 13-0164	EA	30" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x30)	89.75	18.57
		For Peened Grip, Add	*5.15*	
10 28 13 13-0165	EA	36" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x36)	91.96	18.57
		For Peened Grip, Add	*5.35*	
10 28 13 13-0166	EA	42" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x42)	93.94	18.57
		For Peened Grip, Add	*5.53*	
10 28 13 13-0167	EA	48" Length, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6806x48)	98.78	18.57
		For Peened Grip, Add	*5.97*	

10 28 13 13-0168 1-1/2" Diameter, Two Wall, Stainless Steel Grab Bars *(10 28 13 13-0148)*

Note: Includes satin finish and concealed mounting with snap flange.

10 28 13 13-0169	EA	16" x 31", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-6861)	131.60	18.57
		For Peened Grip, Add	*8.50*	
10 28 13 13-0170	EA	24" x 36", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68616)	141.08	18.57
		For Peened Grip, Add	*9.35*	
10 28 13 13-0171	EA	36" x 54", Two Wall, 1-1/2" Diameter, Stainless Steel Grab Bar (Bobrick B-68137)	123.23	18.57
		For Peened Grip, Add	*7.75*	

10 28 13 13-0172 1-1/4" Diameter, Stainless Steel Swing Up Grab Bars *(10 28 13 13-0148)*

Note: Includes satin finish and mounting for swing up.

10 28 13 13-0173	EA	29" Length, 1-1/4" Diameter, Stainless Steel Swing Up Grab Bar (Bobrick B-4998)	376.86	18.57
		For Peened Grip, Add	*30.99*	

10 28 13 13-0174 Shelves *(10 28 13 13-0001)*

10 28 13 13-0175	EA	5" Width x 16" Length, Stainless Steel Shelf (Bobrick B-295)	98.36	20.89
10 28 13 13-0176	EA	5" Width x 18" Length, Stainless Steel Shelf (Bobrick B-295)	101.01	20.89
10 28 13 13-0177	EA	5" Width x 24" Length, Stainless Steel Shelf (Bobrick B-295)	113.12	20.89
10 28 13 13-0178	EA	5" Width x 36" Length, Stainless Steel Shelf (Gamco S-5x36)	116.16	20.89
10 28 13 13-0179	EA	6" Width x 18" Length, Stainless Steel Shelf (Bobrick B-296)	111.36	20.89
10 28 13 13-0180	EA	6" Width x 24" Length, Stainless Steel Shelf (Gamco S-6x24)	112.80	20.89
10 28 13 13-0181	EA	8" Width x 18" Length, Stainless Steel Shelf (Bobrick B-298)	119.94	20.89
10 28 13 13-0182	EA	8" Width x 24" Length, Stainless Steel Shelf (Bobrick B-298)	130.28	20.89
10 28 13 13-0183	EA	8" Width x 36" Length, Stainless Steel Shelf (Gamco S-8x36)	152.15	20.89
10 28 13 13-0184	EA	5-3/4" Width x 14-1/2" Length, Folding Stainless Steel Utility Shelf (Bobrick B-287)	120.16	20.89
10 28 13 13-0185	EA	4-3/4" Width x 24" Length, Stainless Steel Toiletry Shelf (Bobrick B-683)	122.36	20.89
10 28 13 13-0186	EA	12" Width x 24" Length, Stainless Steel Shelf (Bradley 7512-24)	394.01	20.89
10 28 13 13-0187	EA	12" Width x 30" Length, Stainless Steel Shelf (Bradley 7512-30)	424.78	20.89
10 28 13 13-0188	EA	12" Width x 36" Length, Stainless Steel Shelf (Bradley 7512-36)	472.28	20.89
10 28 13 13-0189	EA	12" Width x 48" Length, Stainless Steel Shelf (Bradley 7512-48)	601.51	20.89
10 28 13 13-0190	EA	12" Width x 60" Length, Stainless Steel Shelf (Bradley 7512-60)	836.94	20.89
10 28 13 13-0191	EA	4-1/4" Width x 16-1/2" Length x 6-1/2" Height, Recessed Stainless Steel Shelf (American Specialties 0412)	305.75	20.89

10 28 13 13-0192 Changing Stations *(10 28 13 13-0001)*

10 28 13 13-0193	EA	Horizontal, Wall-Mounted, Polyethylene Baby Changing Station (Gamco BCS-1)	361.26	27.86
10 28 13 13-0194	EA	Vertical, Wall-Mounted, Polyethylene Baby Changing Station (Bobrick Koala Care KB101-00)	382.52	27.86
10 28 13 13-0195	EA	Horizontal, Wall-Mounted, Polypropylene Baby Changing Station (Bobrick Koala Care KB200-00)	316.69	27.86
10 28 13 13-0196	EA	Horizontal, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSRE)	1,517.35	27.86
10 28 13 13-0197	EA	Horizontal, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB110-SSWM)	1,769.30	27.86
10 28 13 13-0198	EA	Vertical, Recessed Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSRE)	1,517.35	27.86
10 28 13 13-0199	EA	Vertical, Wall-Mounted, Stainless Steel Baby Changing Station (Bobrick Koala Care KB111-SSWM)	1,769.30	27.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0200		**Folding Shower Seats** *(10 28 13 13-0001)*		
10 28 13 13-0201	EA	33" Width, Wall-Mounted, Reversible, Folding, Stainless Steel Hardware, Solid Phenolic Shower Seat (Bobrick B-5181)	454.79	37.14
10 28 13 13-0202	EA	33" Width, Wall-Mounted, Foam Padded, Naugahyde® Folding Shower Seat (Bobrick B-517/518)	593.50	37.14
10 28 13 13-0203	EA	30" Width, Wall-Mounted, Teakwood Folding Shower Seat	1,374.40	37.14
10 28 13 13-0204	EA	33-1/2" Width, Wall-Mounted, Stainless Steel, Americans With Disabilities Act Compliant Folding Shower Seat, (Acorn Shower-Ware 1103-31/1103-32)	2,419.19	
10 28 13 13-0205		**Soap/Dish Holders** *(10 28 13 13-0001)*		
10 28 13 13-0206	EA	Surface Mounted, Stainless Steel Toothbrush and Tumbler Holder (Gamco 7679)	51.31	20.89
10 28 13 13-0207	EA	Surface Mounted, Stainless Steel Soap Dish (Gamco 7680)	52.85	20.89
10 28 13 13-0208	EA	Recessed Mounted, Stainless Steel Soap Dish (Bobrick B-4380)	91.80	20.89
10 28 13 13-0209	EA	Recessed Mounted, Stainless Steel Soap Dish And Bar (Bobrick B-4390)	99.51	20.89
10 28 13 13-0210		**Shower Curtains/Curtain Rods** *(10 28 13 13-0001)*		
10 28 13 13-0211	EA	Stainless Steel Shower Curtain Hook (Bobrick B-204-1)	2.53	0.93
10 28 13 13-0212	EA	42" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-2) Note: Requires 7 curtain hooks.	40.82	9.28
10 28 13 13-0213	EA	70" Width x 72" Height, Vinyl Shower Curtain (Bobrick B-204-3) Note: Requires 12 curtain hooks.	42.69	9.28
10 28 13 13-0214	EA	36" Length, 20 Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	72.82	20.89
10 28 13 13-0215	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	77.67	20.89
10 28 13 13-0216	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	83.61	20.89
10 28 13 13-0217	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod With Concealed Mounting (Bobrick B-207)	90.88	20.89
10 28 13 13-0218	EA	36" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x36)	64.46	20.89
10 28 13 13-0219	EA	48" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x48)	70.18	20.89
10 28 13 13-0220	EA	60" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x60)	73.49	20.89
10 28 13 13-0221	EA	72" Length, 20-Gauge, 1" Diameter, Stainless Steel Shower Rod (Bobrick B-6107x72)	77.67	20.89
10 28 13 13-0222	EA	36" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	66.88	20.89
10 28 13 13-0223	EA	48" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	71.72	20.89
10 28 13 13-0224	EA	60" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	77.44	20.89
10 28 13 13-0225	EA	72" Length, 18-Gauge, 1-1/4" Diameter, Stainless Steel Shower Rod (Bobrick B-6047)	81.41	20.89
10 28 13 13-0226		**Hand Dryers** *(10 28 13 13-0001)*		
10 28 13 13-0227	EA	Surface Mounted, Automatic Sensor, One Piece Plastic Cover Hand Dryer (Bobrick CompacDryer B-710)	432.34	26.72
10 28 13 13-0228	EA	Surface Mounted, Automatic Sensor, Cast Aluminum Cover Hand Dryer (Bobrick B-7120-115V)	464.69	26.72
10 28 13 13-0229	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-7128 230V)	513.57	26.72
10 28 13 13-0230	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Bobrick B-750-115/230)	722.25	26.72
10 28 13 13-0231	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand Dryer (World Dryer A)	1,244.47	26.72
10 28 13 13-0232	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (World Dryer A)	1,404.14	26.72
10 28 13 13-0233	EA	Surface Mounted, Touch-Button, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60)	1,533.92	26.72
10 28 13 13-0234	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60T)	1,595.88	26.72
10 28 13 13-0235	EA	Recessed Mounted, Automatic Sensor, Cast-Iron Cover Hand/Hair Dryer (American Dryer A60TR)	1,661.98	26.72
10 28 13 13-0236	EA	Surface Mounted, Automatic Sensor, Cast-Iron Cover Hand Dryer (Excel Xlerator XL-GR)	1,616.00	26.72
10 28 13 13-0237	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB12)	1,152.20	26.72
10 28 13 13-0238	EA	Surface Mounted, Automatic Sensor, Acrylonitrile Butadiene Styrene (ABS) Polycarbonate Cover Hand Dryer (Dyson Airblade AB14)	1,914.79	26.72
10 28 13 13-0239	EA	Surface Mounted, Automatic Sensor, White ABS Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	859.79	26.72
10 28 13 13-0240	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-M) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	906.00	26.72
10 28 13 13-0241	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-BG) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	932.41	26.72
10 28 13 13-0242	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-C) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	958.82	26.72
10 28 13 13-0243	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, CPC Technology, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer CPC9-SS) Note: CPC technology kills germs naturally with no chemicals. Electronically adjustable sound and speed.	1,011.64	26.72
10 28 13 13-0244	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9) Note: Electronically adjustable sound and speed.	701.34	26.72
10 28 13 13-0245	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-M) Note: Electronically adjustable sound and speed.	747.56	26.72
10 28 13 13-0246	EA	Surface Mounted, Automatic Sensor, Black Graphite Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-BG) Note: Electronically adjustable sound and speed.	773.96	26.72
10 28 13 13-0247	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-C) Note: Electronically adjustable sound and speed.	800.37	26.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0248	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Dries Hands In 10 To 12 Seconds, Hand Dryer (American Dryer GXT9-SS)	853.19	26.72
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0249	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7)	701.34	26.72
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0250	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-M)	747.56	26.72
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0251	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-BG)	773.96	26.72
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0252	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-C)	800.37	26.72
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0253	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 12 To 15 Seconds, Hand Dryer (American Dryer EXT7-SS)	853.19	26.72
		Note: Electronically adjustable sound and speed.		
10 28 13 13-0254	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90)	516.49	26.72
10 28 13 13-0255	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-M)	562.70	26.72
10 28 13 13-0256	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-BG)	589.11	26.72
10 28 13 13-0257	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-C)	615.52	26.72
10 28 13 13-0258	EA	Surface Mounted, Stainless Steel Cover, Dries Hands In 25 Seconds, Hand Dryer (American Dryer AD90-SS)	668.33	26.72
10 28 13 13-0259	EA	Surface Mounted, Automatic Sensor, White ABS Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90H)	516.49	26.72
10 28 13 13-0260	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-MH)	562.70	26.72
10 28 13 13-0261	EA	Surface Mounted, Automatic Sensor, Black Graphite Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-BGH)	589.11	26.72
10 28 13 13-0262	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-CH)	615.52	26.72
10 28 13 13-0263	EA	Surface Mounted, Automatic Sensor, Stainless Steel Cover, Stays On For 80 Seconds, Hair Dryer (American Dryer AD90-SSH)	668.33	26.72
10 28 13 13-0264	EA	Surface Mounted, Automatic Sensor, ABS Cover, Hand Dryer (American Dryer GX1)	384.45	26.72
10 28 13 13-0265	EA	Surface Mounted, Automatic Sensor, White Epoxy Finish Steel Cover, Hand Dryer (American Dryer GX1-M)	430.66	26.72
10 28 13 13-0266	EA	Surface Mounted, Automatic Sensor, Satin Chrome Finish Steel Cover, Hand Dryer (American Dryer GX1-C)	483.48	26.72

10 28 13 13-0267 Hand Dryers (Excel XLERATOR®) *(10 28 13 13-0001)*

Note: With or without noise reduction nozzle options.

10 28 13 13-0268	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-W)	719.37	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0269	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-WH)	999.30	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0270	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-GR)	838.23	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0271	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel Xlerator XL-GRH)	1,039.57	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0272	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-C)	898.63	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0273	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-CH)	1,099.96	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0274	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer (Excel XLERATOR® XL-SB)	898.63	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0275	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SBH)	1,099.96	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0276	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer (Excel XLERATOR® XL-SP)	838.23	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0277	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOR® XL-SPH)	1,039.57	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0278	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer (Excel XLERATOR® XL-BW)	757.70	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0279	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), Hand Dryer With High Efficiency Particulate Air (HEPA)Filtration System (Excel XLERATOR® XL-BWH)	959.03	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0280	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-W-ECO)	719.37	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0281	EA	Surface Mounted, Automatic Sensor, White Epoxy Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-WH-ECO)	999.30	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0282	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-GR-ECO)	838.23	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0283	EA	Surface Mounted, Automatic Sensor, Graphite Textured Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-GRH-ECO)	1,039.57	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0284	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-C-ECO)	898.63	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0285	EA	Surface Mounted, Automatic Sensor, Chrome Plated Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-CH-ECO)	1,099.96	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0286	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SB-ECO)	898.63	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0287	EA	Surface Mounted, Automatic Sensor, Brushed Finish, Stainless Steel Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SBH-ECO)	1,099.96	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0288	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer (Excel XLERATOReco® XL-SP-ECO)	838.23	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0289	EA	Surface Mounted, Automatic Sensor, Custom Color Painted Finish, Zinc-Die Cast Cover, No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-SPH-ECO)	1,039.57	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0290	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer (Excel XLERATOReco® XL-BW-ECO)	757.70	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	
10 28 13 13-0291	EA	Surface Mounted, Automatic Sensor, White Finish, Polymer Cover (BMC), No Heat Hand Dryer With High Efficiency Particulate Air (HEPA) Filtration System (Excel XLERATOReco® XL-BWH-ECO)	959.03	26.72
		For ADA-Compliant Recess Kit, Add	*166.07*	

10 28 13 13-0292 Additional Accessories *(10 28 13 13-0001)*

10 28 13 13-0293 Hooks *(10 28 13 13-0292)*

10 28 13 13-0294	EA	Stainless Steel Clothes Hook And Bumper (Bobrick B-212)	25.84	9.28
10 28 13 13-0295	EA	Single Stainless Steel Robe Hook (Bobrick B-233)	30.68	9.28
10 28 13 13-0296	EA	Single Stainless Steel Robe Hook (Bobrick B-7671)	26.28	9.28
10 28 13 13-0297	EA	Double Stainless Steel Robe Hook (Bobrick B-7672)	28.44	9.28
10 28 13 13-0298	EA	Double Stainless Steel Robe Hook (Bobrick B-672 or B-6727)	46.53	9.28
10 28 13 13-0299	EA	Single Stainless Steel Robe Hook (Bobrick B-6717)	42.12	9.28

10 28 13 13-0300 Clotheslines *(10 28 13 13-0292)*

10 28 13 13-0301	EA	Surface Mounted, Stainless Steel Retractable Clothesline (Gamco 7636)	45.16	18.57

10 28 13 13-0302 Towel Bars *(10 28 13 13-0292)*

10 28 13 13-0303	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x18)	55.75	20.89
10 28 13 13-0304	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Gamco 7673x24)	55.92	20.89
10 28 13 13-0305	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x18)	62.38	20.89
10 28 13 13-0306	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Gamco 7674x24)	62.99	20.89
10 28 13 13-0307	EA	18" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	91.32	20.89
10 28 13 13-0308	EA	24" Length, 3/4" Square, Stainless Steel Towel Bar (Bobrick B-673)	95.06	20.89
10 28 13 13-0309	EA	18" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	94.18	20.89
10 28 13 13-0310	EA	24" Length, 3/4" Diameter, Stainless Steel Towel Bar (Bobrick B-674)	97.26	20.89
10 28 13 13-0311	EA	18" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	102.77	20.89
10 28 13 13-0312	EA	24" Length, 1" Diameter, Heavy-Duty, Stainless Steel Towel Bar (Bobrick B-205)	106.05	20.89
10 28 13 13-0313	EA	18" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	78.77	20.89
10 28 13 13-0314	EA	24" Length, 1" Diameter, Extra-Heavy-Duty, Stainless Steel Towel Bar/Grab Bar (Bobrick B-530)	81.63	20.89

10 28 13 13-0315 Towel Bar With Shelf *(10 28 13 13-0292)*

10 28 13 13-0316	EA	24" Length, Stainless Steel Towel Shelf With Towel Bar (Bobrick B-676)	174.98	20.89

10 28 13 13-0317 Towel Pins *(10 28 13 13-0292)*

10 28 13 13-0318	EA	Stainless Steel Towel Pin (Bobrick B-677)	44.99	9.28

10 28 13 13-0319 Mirrors *(10 28 13 13)*

10 28 13 13-0320 Stainless Steel Channel Frame Glass Mirrors *(10 28 13 13-0319)*

10 28 13 13-0321	EA	16" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-16x24)	93.93	23.21
10 28 13 13-0322	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1824)	105.88	23.21
10 28 13 13-0323	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1830)	110.02	23.21
		For Tempered Glass (B-1658), Add	*34.76*	
10 28 13 13-0324	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 1836)	118.51	23.21
		For Tempered Glass (B-1658), Add	*40.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0325	EA	24" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2430)	129.40	23.21
10 28 13 13-0326	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2436)	133.98	23.21
		For Tempered Glass (B-1658), Add	*51.53*	
10 28 13 13-0327	EA	24" x 48", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2448)	164.03	23.21
10 28 13 13-0328	EA	24" x 60", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 2460)	188.65	23.21
10 28 13 13-0329	EA	36" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-36x36)	226.26	23.21
10 28 13 13-0330	EA	48" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Bobrick B-165 4836)	283.39	23.21
10 28 13 13-0331	EA	60" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror (Gamco C-60x36)	318.10	23.21

10 28 13 13-0332 Stainless Steel Channel Frame Glass Mirror/Shelf Combination *(10 28 13 13-0319)*

10 28 13 13-0333	EA	18" x 24", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1824)	169.69	23.21
10 28 13 13-0334	EA	18" x 30", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1830)	182.54	23.21
10 28 13 13-0335	EA	18" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 1836)	191.04	23.21
10 28 13 13-0336	EA	24" x 36", Surface Mounted, Stainless Steel Channel Frame Glass Mirror/Shelf Combination (Bobrick B-166 2436)	215.00	23.21

10 28 13 13-0337 Stainless Steel Angle Frame Glass Mirrors *(10 28 13 13-0319)*

10 28 13 13-0338	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1824)	151.59	23.21
10 28 13 13-0339	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1830)	165.78	23.21
		For Tempered Glass (B-2908), Add	*69.58*	
10 28 13 13-0340	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 1836)	170.57	23.21
		For Tempered Glass (B-2908), Add	*72.74*	
10 28 13 13-0341	EA	24" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2430)	198.88	23.21
10 28 13 13-0342	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2436)	199.97	23.21
		For Tempered Glass (B-2908), Add	*92.14*	
10 28 13 13-0343	EA	24" x 48", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2448)	265.53	23.21
10 28 13 13-0344	EA	24" x 60", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2460)	311.26	23.21
10 28 13 13-0345	EA	24" x 72", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Bobrick B-290 2472)	353.96	23.21
10 28 13 13-0346	EA	36" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-36x36)	237.69	23.21
10 28 13 13-0347	EA	48" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-48x36)	288.59	23.21
10 28 13 13-0348	EA	72" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror (Gamco A-72x36)	439.14	23.21

10 28 13 13-0349 Stainless Steel Angle Frame Glass Mirror/Shelf Combination *(10 28 13 13-0319)*

10 28 13 13-0350	EA	18" x 24", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Gamco AS-18x24)	156.56	23.21
10 28 13 13-0351	EA	18" x 30", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1830)	303.64	23.21
10 28 13 13-0352	EA	18" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-1836)	318.02	23.21
10 28 13 13-0353	EA	24" x 36", Surface Mounted, Stainless Steel Angle Frame Glass Mirror/Shelf Combination (Bobrick B-292-2436)	353.96	23.21

10 28 13 13-0354 Frameless Stainless Steel Mirrors *(10 28 13 13-0319)*

10 28 13 13-0355	EA	17-1/2" x 29-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 1830)	169.26	23.21
10 28 13 13-0356	EA	23-1/2" x 35-1/2", Frameless Stainless Steel Mirror (Bobrick B-1556 2436)	217.38	23.21

10 28 13 13-0357 Fixed-Position Tilt, Stainless Steel Frame Glass Mirrors *(10 28 13 13-0319)*

10 28 13 13-0358	EA	16" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1630)	228.28	23.21
10 28 13 13-0359	EA	18" x 30", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1830)	237.65	23.21
10 28 13 13-0360	EA	18" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 1836)	286.66	23.21
10 28 13 13-0361	EA	24" x 36", Surface Mounted, Fixed-Position Tilt, Stainless Steel Frame Glass Mirror (Bobrick B-293 2436)	351.34	23.21

10 28 13 13-0362 Medicine Cabinets *(10 28 13 13)*

10 28 13 13-0363 Metal Medicine Cabinets *(10 28 13 13-0362)*

10 28 13 13-0364	EA	20" x 26", Surface Mounted, Aluminum Medicine Cabinet (Kohler K-CB)	551.68	46.43
10 28 13 13-0365	EA	15-1/2" x 25-7/8", Recessed Mounted, All-Steel Medicine Cabinet (Bobrick B-397) Note: Includes three adjustable plastic shelves.	204.17	46.43
10 28 13 13-0366	EA	14-1/8" x 20-1/4", Surface Mounted, All-Steel Medicine Cabinet (Bobrick B-297) Note: Includes two fixed shelves with baked white enamel finish.	210.43	46.43
10 28 13 13-0367	EA	15-1/4" x 25-1/2", Recessed Mounted, Stainless Steel Medicine Cabinet (Bobrick B-398) Note: Includes four adjustable stainless steel shelves.	449.32	46.43
10 28 13 13-0368	EA	17" x 26-7/8", Surface Mounted, Stainless Steel Medicine Cabinet (Bobrick B-299) Note: Includes four adjustable shelves.	613.35	46.43

10 28 13 13-0369 Janitorial Material *(10 28 13 13)*

10 28 13 13-0370	EA	Stainless Steel Pail And Ladder Utility Hook (Bobrick B-670)	42.12	9.28
10 28 13 13-0371	EA	24" Length, Stainless Steel Utility Hook Strip (Bobrick B-232x24)	109.15	20.89
10 28 13 13-0372	EA	24" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x24)	105.19	20.89
10 28 13 13-0373	EA	30" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Gamco MS-1)	119.14	20.89
10 28 13 13-0374	EA	36" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder (Bobrick B-223x36)	132.93	20.89
10 28 13 13-0375	EA	36" Length, Utility Hook Strip (Gamco HCS-2)	89.71	20.89
10 28 13 13-0376	EA	36" Length, Stainless Steel Custodian Utility Shelf With Mop And Broom Holders And Rag Hooks (Bobrick B-224x36)	244.34	20.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 13 13-0377	EA	34" Length, 3 Handle Capacity, Stainless Steel Mop And Broom Holder With Shelf And Rag Hooks (Bobrick B-239x34)	350.68	20.89

10 28 13 13-0378 Remove And Reinstall Bathroom Accessories *(10 28 13 13)*

10 28 13 13-0379	EA	Removal And Reinstallation Of Bathroom Accessory	29.02	

10 28 13 63 Detention Toilet Accessories *(10 28 13)*

10 28 13 63-0001 Ligature Resistant, Stainless Steel Grab Bar *(10 28 13 63)*

10 28 13 63-0002	EA	18" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001180)	135.71	18.57
10 28 13 63-0003	EA	24" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001240)	141.48	18.57
10 28 13 63-0004	EA	36" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001360)	145.31	18.57
10 28 13 63-0005	EA	42" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-001420)	160.03	18.57
10 28 13 63-0006	EA	60" Length, 1-1/2" Diameter, 18 Gauge, Ligature Resistant, Stainless Steel Security Grab Bar (Bradley SA70-002600)	316.74	18.57

10 28 16 Bath Accessories *(10 28)*

10 28 16 13 Residential Bath Accessories *(10 28 16)*

10 28 16 13-0001 Residential Toilet Accessories *(10 28 16 13)*

10 28 16 13-0002 Residential Shower Curtain Rod *(10 28 16 13-0001)*

Note: Includes end brackets. See CSI section 10 28 13 13-0210 for shower curtain rods.

10 28 16 13-0003 Residential, Recessed, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*

10 28 16 13-0004	EA	Single Roll, Recessed Mounted, Chrome Plated Toilet Paper Holder	93.01	20.89
10 28 16 13-0005	EA	Recessed Mounted, Chrome Plated Soap Dish	133.65	20.89
10 28 16 13-0006	EA	Recessed Mounted, Chrome Plated Soap Dish And Bar	141.91	20.89
10 28 16 13-0007	EA	Recessed Mounted, Chrome Plated Tumbler Holder	96.51	20.89

10 28 16 13-0008 Residential, Surface Mounted, Chrome Plated Toilet Accessories *(10 28 16 13-0001)*

10 28 16 13-0009	EA	Surface Mounted, Chrome Plated Soap Dish	60.87	13.93
10 28 16 13-0010	EA	Surface Mounted, Chrome Plated Single Clothes Hook	70.08	13.93
10 28 16 13-0011	EA	Surface Mounted, Chrome Plated Double Clothes Hook	70.08	13.93
10 28 16 13-0012	LF	6" Deep, Surface Mounted, Glass Shelf With Chrome Plated Supports	141.89	13.93
10 28 16 13-0013	LF	6" Deep, Surface Mounted, Stainless Steel Shelf	118.72	13.93
10 28 16 13-0014	EA	18" Length, Surface Mounted, Chrome Plated Towel Bar	78.41	18.57
10 28 16 13-0015	EA	24" Length, Surface Mounted, Chrome Plated Towel Bar	79.44	18.57
10 28 16 13-0016	EA	Surface Mounted, Chrome Plated Towel Ring	58.59	13.93
10 28 16 13-0017	EA	Surface Mounted, Chrome Plated Tumbler And Toothbrush Holder	51.58	9.28
10 28 16 13-0018	EA	Single Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	60.87	13.93
10 28 16 13-0019	EA	Two Roll, Surface Mounted, Chrome Plated Toilet Paper Holder	122.62	13.93
10 28 16 13-0020	EA	Surface Mounted, Chrome Plated Globe Soap Dispenser	73.26	13.93
10 28 16 13-0021	EA	Surface Mounted, Chrome Plated Towel Pin	77.43	9.28
10 28 16 13-0022	EA	Surface Mounted, Chrome Plated Towel Ladder And Shelf	236.41	13.93
10 28 16 13-0023	EA	Surface Mounted, Retractable Chrome Plated Bath/Shower Clothesline	114.19	13.93
10 28 16 13-0024	EA	24" Length, Cut To Size Towel Bar, Surface Mounted, Ceramic Base Towel Bar	68.23	13.93

10 28 16 13-0025 Residential Medicine Cabinets, Solid Oak *(10 28 16 13-0001)*

Note: Surface or recessed mounted, premium quality.

10 28 16 13-0026	EA	24" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	673.86	46.43
10 28 16 13-0027	EA	24" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	810.88	46.43
10 28 16 13-0028	EA	30" x 30" Unlighted, Solid Oak Medicine Cabinet With Mirror	719.21	46.43
10 28 16 13-0029	EA	30" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	872.74	46.43
10 28 16 13-0030	EA	36" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	747.81	46.43
10 28 16 13-0031	EA	36" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	927.10	46.43
10 28 16 13-0032	EA	48" x 30", Unlighted, Solid Oak Medicine Cabinet With Mirror	787.09	46.43
10 28 16 13-0033	EA	48" x 35", Lighted, Solid Oak Medicine Cabinet With Mirror	993.52	46.43

10 28 16 13-0034 Residential Toilet Accessories *(10 28 16 13-0001)*

10 28 16 13-0035	EA	Surface Mounted Plastic Paper Towel Dispenser	69.46	20.89
10 28 16 13-0036	EA	Surface Mounted Plastic Napkin Disposal	63.35	20.89
10 28 16 13-0037	EA	50 Fluid Ounce, Plastic Soap Dispenser For Soaps And Detergent	65.51	
10 28 16 13-0038	EA	50 Fluid Ounce, Plastic Soap Dispenser For Antibacterial Soaps	71.98	20.89
10 28 16 13-0039	EA	Multi Roll (2) Plastic Toilet Tissue Dispenser	69.48	20.89
10 28 16 13-0040	EA	Single Jumbo Roll Plastic Toilet Tissue Dispenser	85.09	25.54
10 28 16 13-0041	EA	Surface Mounted Plastic Toilet Seat Cover Dispenser	50.82	18.57
10 28 16 13-0042	EA	13 Gallon Plastic Waste Door For Countertops	152.33	34.82

10 28 19 Tub and Shower Enclosures *(10 28)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 28 19 16		**Shower Doors** *(10 28 19)*		
10 28 19 16-0001		Swinging Shower Doors *(10 28 19 16)*		
10 28 19 16-0002		Framed, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0003	EA	24-1/4" To 26" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00801)	390.92	50.68
10 28 19 16-0004	EA	27-1/4" To 29" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00802)	409.88	25.34
10 28 19 16-0005	EA	29-5/8" To 31-3/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00803)	488.57	25.34
10 28 19 16-0006	EA	33-1/8" To 34-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00804)	407.87	25.34
10 28 19 16-0007	EA	35-1/8" To 36-7/8" Opening, Silver Finish Frame, Tempered Safety Glass, Swinging Shower Door (American Standard AM00805)	434.74	25.34
10 28 19 16-0008		Frameless, Swinging Shower Doors *(10 28 19 16-0001)*		
10 28 19 16-0009	EA	24-9/16" To 25-7/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0301D)	593.31	25.34
10 28 19 16-0010	EA	31-1/16" To 31-15/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0302D)	619.61	25.34
10 28 19 16-0011	EA	32-11/16" To 33-9/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0303D)	644.36	25.34
10 28 19 16-0012	EA	34-3/16" To 35-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0304D)	670.66	25.34
10 28 19 16-0013	EA	35-3/16" To 36-1/16" Opening, Frameless, Tempered Safety Glass, Swinging Shower Door (American Standard AM0305D)	696.19	25.34
10 28 19 16-0014		Sliding Shower Doors *(10 28 19 16)*		
10 28 19 16-0015		Framed, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0016	EA	40" To 42" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00735)	650.02	25.34
10 28 19 16-0017	EA	44" To 46" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00745)	596.79	25.34
10 28 19 16-0018	EA	46" To 48" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00775)	611.13	25.34
10 28 19 16-0019	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00729)	626.37	25.34
10 28 19 16-0020	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00794)	634.88	25.34
10 28 19 16-0021	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00795)	647.47	25.34
10 28 19 16-0022		Frameless, Sliding Shower Doors *(10 28 19 16-0014)*		
10 28 19 16-0023	EA	40" To 44" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00335)	673.32	25.34
10 28 19 16-0024	EA	44" To 48" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00345)	818.11	25.34
10 28 19 16-0025	EA	56" To 60" Opening, 65-1/2" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00394)	866.84	25.34
10 28 19 16-0026	EA	40" To 44" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00330)	784.17	25.34
10 28 19 16-0027	EA	44" To 48" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00370)	794.84	25.34
10 28 19 16-0028	EA	56" To 60" Opening, 70" Height, Frameless, Tempered Safety Glass, By-Pass Sliding Shower Door (American Standard AM00390)	894.01	25.34
10 28 19 19		**Tub Doors** *(10 28 19)*		
10 28 19 19-0001		Sliding Bathtub Doors *(10 28 19 19)*		
10 28 19 19-0002		Framed, Sliding Bathtub Doors *(10 28 19 19-0001)*		
10 28 19 19-0003	EA	52" To 54" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00725)	580.79	25.34
10 28 19 19-0004	EA	54" To 56" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00749)	586.92	25.34
10 28 19 19-0005	EA	56" To 60" Opening, Silver Finish Frame, Tempered Safety Glass, By-Pass Sliding Bathtub Door (American Standard AM00750)	600.79	25.34

10 40 Safety Specialties *(10)*

10 41 Emergency Access And Information Cabinets *(10 40)*

10 41 13 Fire Department Plan Cabinets *(10 41)*

10 41 13 00-0001 Fire Department Plan Cabinets (Knox) *(10 41 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 41 13 00-0002	EA	18" High x 14-1/2" Wide x 5" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,100.67	30.17
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*58.46*	
		For Swing Key Hook Panel, Add	*157.46*	
		For Non-Locking Weather Housing, Add	*395.37*	
10 41 13 00-0003	EA	18" High x 14-1/2" Wide x 7" Deep, Light Gray Finish, Surface Mount, Fire Department Emergency Storage Cabinet (Knox 1300)	1,166.45	30.17
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Dual Locks, Add	*60.00*	
		For Back Key Hook Panel, Add	*58.46*	
		For Swing Key Hook Panel, Add	*157.46*	
		For Second Swing Key Hook Panel, Add	*124.46*	
		For Non-Locking Weather Housing, Add	*395.37*	

10 41 16 Emergency Key Cabinets *(10 41)*

10 41 16 00-0001 Emergency Key Cabinets (Knox) *(10 41 16)*

10 41 16 00-0002	EA	Elevator/Lobby, Deep Red Finish, Surface Mount, Fire Department Emergency Key Storage Box (Knox 1403)	554.74	30.17
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
10 41 16 00-0003	EA	5" High x 4" Wide x 3-3/4" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Box 3200)	488.96	30.17
		For Lift-Off Door, Deduct	*-40.00*	
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*57.28*	
		For Cast-In-Place Concrete Recess Mounting, Add	*119.00*	
10 41 16 00-0004	EA	6" High x 6" Wide x 4-1/2" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4100)	650.11	30.17
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*57.28*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*130.00*	
10 41 16 00-0005	EA	7" High x 7" Wide x 5" Deep, Black Finish, Surface Mount, Fire Department Emergency Storage Box (Knox-Vault 4400)	691.22	30.17
		For Aluminum Or Dark Bronze Finish, Add	*10.00*	
		For Tamper Switch Connected To Existing Alarm System, Add	*40.00*	
		For Recess Mount, Add	*57.28*	
		For Dual Locks, Add	*60.00*	
		For Cast-In-Place Concrete Recess Mounting, Add	*135.00*	

10 44 Fire Protection Specialties *(10 40)*

10 44 13 Fire Protection Cabinets *(10 44)*

10 44 13 00-0001 Fire Extinguisher Cabinets *(10 44 13)*

10 44 13 00-0002 Recessed Fire Extinguisher Cabinets *(10 44 13 00-0001)*

10 44 13 00-0003 Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0004	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	319.95	38.08
10 44 13 00-0005	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	326.00	38.08
10 44 13 00-0006	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	327.21	38.08
10 44 13 00-0007	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	364.68	38.08
10 44 13 00-0008	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	462.58	38.08
10 44 13 00-0009	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet	475.88	38.08

10 44 13 00-0010 Aluminum Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0011	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	315.79	38.08
10 44 13 00-0012	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	321.01	38.08
10 44 13 00-0013	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	329.71	38.08
10 44 13 00-0014	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	344.50	38.08
10 44 13 00-0015	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	390.23	38.08
10 44 13 00-0016	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Aluminum Fire Extinguisher Cabinet	404.15	38.08

10 44 13 00-0017 Stainless Steel Door And Trim, Recessed Fire Extinguisher Cabinets *(10 44 13 00-0002)*

Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.

10 44 13 00-0018	EA	9" x 18" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	428.62	38.08
10 44 13 00-0019	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	439.41	38.08
10 44 13 00-0020	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	444.81	38.08
10 44 13 00-0021	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	481.71	38.08
10 44 13 00-0022	EA	16" x 32" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	556.03	38.08
10 44 13 00-0023	EA	20" x 27" x 7-3/4" Inside Dimensions, Recessed Stainless Steel Fire Extinguisher Cabinet	578.53	38.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0024		**Bronze Door And Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0025	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	882.61	38.08
10 44 13 00-0026	EA	10-1/2" x 24" x 6" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	888.67	38.08
10 44 13 00-0027	EA	12" x 27" x 7-3/4" Inside Dimensions, Recessed Bronze Fire Extinguisher Cabinet	1,012.15	38.08
10 44 13 00-0028		**Acrylic Bubble Door And Steel Trim, Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0002)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0029	EA	10-1/2" x 24" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	398.52	38.08
10 44 13 00-0030	EA	14" x 30" x 4" Inside Dimensions, Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	444.45	38.08
10 44 13 00-0031		**Semi Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0001)*		
10 44 13 00-0032		**Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0033	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	352.59	38.08
10 44 13 00-0034	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	364.68	38.08
10 44 13 00-0035	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	365.88	38.08
10 44 13 00-0036	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	406.98	38.08
10 44 13 00-0037	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	489.17	38.08
10 44 13 00-0038	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet	502.47	38.08
10 44 13 00-0039		**Aluminum Door And Trim, Semi Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0040	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	354.57	38.08
10 44 13 00-0041	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	367.62	38.08
10 44 13 00-0042	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	375.45	38.08
10 44 13 00-0043	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	390.23	38.08
10 44 13 00-0044	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	441.54	38.08
10 44 13 00-0045	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Aluminum Fire Extinguisher Cabinet	453.72	38.08
10 44 13 00-0046		**Stainless Steel Door And Trim, Semi Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0047	EA	9" x 18" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	475.95	38.08
10 44 13 00-0048	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	488.54	38.08
10 44 13 00-0049	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	493.94	38.08
10 44 13 00-0050	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	521.84	38.08
10 44 13 00-0051	EA	16" x 32" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	591.13	38.08
10 44 13 00-0052	EA	20" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Stainless Steel Fire Extinguisher Cabinet	606.42	38.08
10 44 13 00-0053		**Bronze Door And Trim, Semi Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0054	EA	10-1/2" x 24" x 5-1/2" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,098.16	38.08
10 44 13 00-0055	EA	10-1/2" x 24" x 6" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,103.24	38.08
10 44 13 00-0056	EA	12" x 27" x 7-3/4" Inside Dimensions, Semi Recessed Bronze Fire Extinguisher Cabinet	1,256.62	38.08
10 44 13 00-0057		**Acrylic Bubble Door And Steel Trim, Semi Recessed Fire Extinguisher Cabinets** *(10 44 13 00-0031)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0058	EA	10-1/2" x 24" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	442.03	38.08
10 44 13 00-0059	EA	14" x 30" x 4" Inside Dimensions, Semi Recessed Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	485.55	38.08
10 44 13 00-0060		**Surface Mounted Fire Extinguisher Cabinets** *(10 44 13 00-0001)*		
10 44 13 00-0061		**Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes powder-coat finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0062	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	342.92	38.08
10 44 13 00-0063	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	350.17	38.08
10 44 13 00-0064	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	408.19	38.08
10 44 13 00-0065	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	479.50	38.08
10 44 13 00-0066	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet	498.84	38.08
10 44 13 00-0067		**Aluminum Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes clear anodized finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0068	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	437.20	38.08
10 44 13 00-0069	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	448.50	38.08
10 44 13 00-0070	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	473.72	38.08
10 44 13 00-0071	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	523.30	38.08
10 44 13 00-0072	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Aluminum Fire Extinguisher Cabinet	544.17	38.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0073		**Stainless Steel Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes stainless steel finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0074	EA	12-3/16" x 21-3/16" x 6" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	554.23	38.08
10 44 13 00-0075	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	571.33	38.08
10 44 13 00-0076	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	613.62	38.08
10 44 13 00-0077	EA	19-3/16" x 35-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	695.51	38.08
10 44 13 00-0078	EA	23-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Stainless Steel Fire Extinguisher Cabinet	720.70	38.08
10 44 13 00-0079		**Bronze Door And Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes satin bronze finish, full view glass or solid metal door, zinc plated handle and steel tub.		
10 44 13 00-0080	EA	13-11/16" x 27-3/16" x 6-1/2" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,251.84	38.08
10 44 13 00-0081	EA	15-3/16" x 30-3/16" x 8-1/4" Inside Dimensions, Surface Mount Bronze Fire Extinguisher Cabinet	1,404.05	38.08
10 44 13 00-0082		**Acrylic Bubble Door And Steel Trim, Surface Mount Fire Extinguisher Cabinets** *(10 44 13 00-0060)*		
		Note: Includes 180 degree visibility acrylic bubble door, zinc plated handle and steel tub.		
10 44 13 00-0083	EA	13-11/16" x 27-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	415.44	38.08
10 44 13 00-0084	EA	17-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	468.62	38.08
10 44 13 00-0085	EA	31-3/16" x 33-3/16" x 4-5/8" Inside Dimensions, Surface Mount Steel Fire Extinguisher Cabinet With Acrylic Bubble Door	654.77	38.08
10 44 13 00-0086		**Fire Extinguisher Cabinet Accessories** *(10 44 13 00-0001)*		
10 44 13 00-0087	EA	Standard Break Glass Cylinder Lock Mechanism	32.49	11.61
10 44 13 00-0088	EA	Breaker Bar And Chain For Break Glass Cabinets	29.25	11.61
10 44 13 00-0089	EA	Replacement Of Standard Pull Handle	27.27	
10 44 13 00-0090	EA	Fire Extinguisher Cabinet Battery Operated Alarm	88.19	23.21
10 44 13 00-0091	EA	Fire Rated Option For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	147.17	
10 44 13 00-0092	EA	Fire Rated Option For 12" x 27" x 7-3/4" Cabinets	161.89	
10 44 13 00-0093	EA	Fire Rated Option For 16" x 32" x 7-3/4" Cabinets	220.76	
10 44 13 00-0094	EA	Fire Rated Option For 20" x 27" x 7-3/4" Cabinets	301.70	
10 44 13 00-0095	EA	Fire Rated Option For 9" x 18" x 5-1/2" Cabinets	353.21	
10 44 13 00-0096	EA	Standard Glass With Wire Glass For 9" x 18" x 5-1/2" Cabinets	85.36	
10 44 13 00-0097	EA	Standard Glass With Wire Glass For 10-1/2" x 24" x 5-1/2" Or 6" Cabinets	88.30	
10 44 13 00-0098	EA	Standard Glass With Wire Glass For 12" x 27" x 7-3/4" Cabinets	117.74	
10 44 13 00-0099	EA	Standard Glass With Wire Glass For 16" x 32" x 7-3/4" Cabinets	213.40	
10 44 13 00-0100	EA	Standard Glass With Wire Glass For 20" x 27" x 7-3/4" Cabinets	216.34	
10 44 13 00-0101	EA	Standard Glass With Wire Glass For 12-3/16" x 21-3/16" x 6" Cabinets	101.43	
10 44 13 00-0102	EA	Standard Glass With Wire Glass For 13-11/16" x 27-3/16" x 6-1/2" Cabinets	106.50	
10 44 13 00-0103	EA	Standard Glass With Wire Glass For 15-3/16" x 30-3/16" x 8-1/4" Cabinets	143.69	
10 44 13 00-0104	EA	Standard Glass With Wire Glass For 19-3/16" x 35-3/16" x 8-1/4" Cabinets	253.58	
10 44 13 00-0105	EA	Standard Glass With Wire Glass For 23-3/16" x 30-3/16" x 8-1/4" Cabinets	256.96	
10 44 13 00-0106		**Fire Hose Cabinets** *(10 44 13)*		
		Note: Excludes hoses, hose rack units, fire extinguishers and valves. See CSI section 21 12 13 00-0001 for fire hoses and nozzles, 21 12 13 00-0015 for fire hose rack units, 21 12 23 00-0014 for fire hose angle valves.		
10 44 13 00-0107		**Recessed Fire Hose Cabinets** *(10 44 13 00-0106)*		
10 44 13 00-0108		**Steel Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0109	EA	34" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	613.57	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0110	EA	34" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	624.99	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0111	EA	38" x 24" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	634.52	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0112	EA	38" x 26" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	644.04	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0113	EA	30" x 30" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	655.47	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0114	EA	38" x 32" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	685.92	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0115	EA	23" x 18" x 8" Inside Dimensions, Recessed Steel Fire Hose Cabinet	695.45	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0116		**Aluminum Door And Trim, Recessed Fire Hose Cabinets** *(10 44 13 00-0107)*		
		Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.		
10 44 13 00-0117	EA	34" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	672.80	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0118	EA	30" x 30" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	691.51	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0119	EA	34" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	693.94	137.35
		For Solid Aluminum Door, Add	*6.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0120	EA	38" x 24" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	701.72	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0121	EA	38" x 26" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	711.93	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0122	EA	38" x 32" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	740.85	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0123	EA	23" x 18" x 8" Inside Dimensions, Recessed Aluminum Fire Hose Cabinet	769.77	137.35
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0124 Stainless Steel Door And Trim, Recessed Fire Hose Cabinets *(10 44 13 00-0107)*

Note: Includes #4 finish, stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0125	EA	23" x 18" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	841.22	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0126	EA	34" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	929.69	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0127	EA	34" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	938.20	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0128	EA	38" x 24" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	965.42	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0129	EA	38" x 26" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	973.93	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0130	EA	30" x 30" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,018.16	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0131	EA	38" x 32" x 8" Inside Dimensions, Recessed Stainless Steel Fire Hose Cabinet	1,062.39	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0132 Semi Recessed Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0133 Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes baked enamel finish, steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0134	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	644.04	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0135	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	655.47	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0136	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	664.97	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0137	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	676.39	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0138	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	685.92	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0139	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	716.37	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0140	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Steel Fire Hose Cabinet	727.80	137.35
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0141 Aluminum Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes clear satin anodized finish, aluminum door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0142	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	691.51	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0143	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	711.93	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0144	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	714.84	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0145	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	720.43	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0146	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	730.64	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0147	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	759.56	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0148	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Aluminum Fire Hose Cabinet	788.48	137.35
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0149 Stainless Steel Door And Trim, Semi Recessed Fire Hose Cabinets *(10 44 13 00-0132)*

Note: Includes #4 finish, 304 stainless steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0150	EA	23" x 18" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	893.96	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0151	EA	34" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	990.94	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0152	EA	34" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	999.45	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0153	EA	38" x 24" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,026.67	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0154	EA	38" x 26" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,035.17	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0155	EA	30" x 30" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,079.41	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 13 00-0156	EA	38" x 32" x 8" Inside Dimensions, Semi Recessed Stainless Steel Fire Hose Cabinet	1,123.64	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 13 00-0157 Surface Mount Fire Hose Cabinets *(10 44 13 00-0106)*

10 44 13 00-0158 Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes baked enamel finish, steel door and trim, baked enamel steel box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0159	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	655.47	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0160	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	664.97	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0161	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	676.39	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0162	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	685.92	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0163	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	695.45	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0164	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	727.80	137.35
		For Solid Steel Door, Deduct	*-8.60*	
10 44 13 00-0165	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Steel Fire Hose Cabinet	737.32	137.35
		For Solid Steel Door, Deduct	*-8.60*	

10 44 13 00-0166 Aluminum Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes clear satin anodized finish, aluminum door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0167	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	740.85	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0168	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	759.56	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0169	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	764.42	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0170	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	769.77	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0171	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	778.28	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0172	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	808.90	137.35
		For Solid Aluminum Door, Add	*6.50*	
10 44 13 00-0173	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Aluminum Fire Hose Cabinet	827.61	137.35
		For Solid Aluminum Door, Add	*6.50*	

10 44 13 00-0174 Stainless Steel Door And Trim, Surface Mount Fire Hose Cabinets *(10 44 13 00-0157)*

Note: Includes #4 finish, 304 stainless steel door, trim and box, full view acrylic door lite, satin finish turn handle, continuous matching hinge and self-adjusting roller catch.

10 44 13 00-0175	EA	26-1/2" x 21-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	965.42	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0176	EA	37-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,247.84	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0177	EA	41-1/2" x 27-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,319.29	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0178	EA	37-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,336.30	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0179	EA	41-1/2" x 29-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,353.32	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0180	EA	33-1/2" x 33-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,424.77	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	
10 44 13 00-0181	EA	41-1/2" x 35-1/2" x 8-1/2" Inside Dimensions, Surface Mount Stainless Steel Fire Hose Cabinet	1,513.24	137.35
		For Solid Stainless Steel Door, Deduct	*-7.70*	

10 44 16 Fire Extinguishers *(10 44)*

10 44 16 13 Portable Fire Extinguishers *(10 44 16)*

Note: Includes filling, certification, bracket, hardware and mounting on wall.

10 44 16 13-0001 Carbon Dioxide Type, Class BC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0002	EA	2.5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	220.86	12.07
		For >5 To 10, Deduct	*-7.95*	
		For >10, Deduct	*-15.90*	
		For Placement In Cabinet, Deduct	*-30.95*	
10 44 16 13-0003	EA	5 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	334.14	13.93
		For >5 To 10, Deduct	*-13.14*	
		For >10, Deduct	*-26.27*	
		For Placement In Cabinet, Deduct	*-35.72*	
10 44 16 13-0004	EA	10 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	434.67	17.65
		For >5 To 10, Deduct	*-17.09*	
		For >10, Deduct	*-34.18*	
		For Placement In Cabinet, Deduct	*-46.43*	
10 44 16 13-0005	EA	15 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	534.12	22.28
		For >5 To 10, Deduct	*-20.90*	
		For >10, Deduct	*-41.81*	
		For Placement In Cabinet, Deduct	*-58.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 44 16 13-0006	EA	20 LB Carbon Dioxide, Type BC Portable Fire Extinguisher	594.87	22.28
		For >5 To 10, Deduct	*-23.94*	
		For >10, Deduct	*-47.88*	
		For Placement In Cabinet, Deduct	*-58.04*	
10 44 16 13-0007	EA	50 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	2,048.50	35.28
		For >5 To 10, Deduct	*-93.14*	
		For >10, Deduct	*-186.28*	
10 44 16 13-0008	EA	100 LB Carbon Dioxide, Type BC Wheeled Fire Extinguisher	4,010.68	35.28
		For >5 To 10, Deduct	*-191.25*	
		For >10, Deduct	*-382.50*	

10 44 16 13-0009 Dry Chemical Type, Class ABC Portable Fire Extinguisher *(10 44 16 13)*

10 44 16 13-0010	EA	2.6 LB Dry Chemical, Type ABC Portable Fire Extinguisher	121.57	12.07
		For >5 To 10, Deduct	*-2.98*	
		For >10, Deduct	*-5.97*	
		For Placement In Cabinet, Deduct	*-30.95*	
10 44 16 13-0011	EA	5 LB Dry Chemical, Type ABC Portable Fire Extinguisher	157.39	13.93
		For >5 To 10, Deduct	*-4.30*	
		For >10, Deduct	*-8.60*	
		For Placement In Cabinet, Deduct	*-35.72*	
10 44 16 13-0012	EA	10 LB Dry Chemical, Type ABC Portable Fire Extinguisher	227.59	17.65
		For >5 To 10, Deduct	*-6.74*	
		For >10, Deduct	*-13.47*	
		For Placement In Cabinet, Deduct	*-46.43*	
10 44 16 13-0013	EA	20 LB Dry Chemical, Type ABC Portable Fire Extinguisher	328.11	22.28
		For >5 To 10, Deduct	*-10.60*	
		For >10, Deduct	*-21.20*	
		For Placement In Cabinet, Deduct	*-58.04*	
10 44 16 13-0014	EA	50 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	2,411.59	35.28
		For >5 To 10, Deduct	*-111.29*	
		For >10, Deduct	*-222.59*	
10 44 16 13-0015	EA	125 LB Dry Chemical, Type ABC Wheeled Fire Extinguisher	3,678.35	35.28
		For >5 To 10, Deduct	*-174.63*	
		For >10, Deduct	*-349.26*	

10 44 16 13-0016 Other Portable Fire Extinguishers *(10 44 16 13)*

10 44 16 13-0017	EA	2.5 Gallon Water, Stored Pressure Portable Fire Extinguisher Note: Stainless steel.	247.73	13.93
		For >5 To 10, Deduct	*-8.82*	
		For >10, Deduct	*-17.63*	
		For Placement In Cabinet, Deduct	*-35.72*	
10 44 16 13-0018	EA	1.6 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	370.52	22.28
		For >5 To 10, Deduct	*-12.72*	
		For >10, Deduct	*-25.45*	
		For Placement In Cabinet, Deduct	*-58.04*	
10 44 16 13-0019	EA	2.5 Gallon Wet Chemical, Class K Portable Fire Extinguisher Note: Stainless steel.	390.06	22.28
		For >5 To 10, Deduct	*-13.70*	
		For >10, Deduct	*-27.40*	
		For Placement In Cabinet, Deduct	*-58.04*	
10 44 16 13-0020	EA	30 LB Dry Powder, Class D Portable Fire Extinguisher Note: Yellow steel.	589.72	22.28
		For >5 To 10, Deduct	*-23.68*	
		For >10, Deduct	*-47.37*	

10 44 16 13-0021 Fire Extinguisher Backboards *(10 44 16 13)*

10 44 16 13-0022 Fire Extinguisher Backboards *(10 44 16 13-0021)*

Note: Mounted to any wall. Includes anchors.

10 44 16 13-0023	EA	Red Painted 1/2" x 12" x 40" Beveled Edge Plywood Fire Extinguisher Backboard	139.44	15.93
10 44 16 13-0024	EA	Relocate Fire Extinguisher Wood Backboard, Any Size Note: Includes storage and cleaning.	140.49	

10 44 16 13-0025 Inspections And Testing *(10 44 16 13)*

10 44 16 13-0026	EA	On Site Fire Extinguisher Annual Inspection (Tag)	12.34	
10 44 16 13-0027	EA	On Site Fire Extinguisher Hydrotest	18.14	

10 44 19 Fire Blankets *(10 44)*

10 44 19 00-0001	EA	Vertical Roller Type Fire Blanket Cabinet (JL Industries 1FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	417.28	38.08
10 44 19 00-0002	EA	Drop Type Fire Blanket Cabinet (JL Industries 2FB) Note: Includes a 62" x 84", 3-1/2 pound, processed wool fire blanket.	302.46	38.08

10 50 Storage Specialties *(10)*

10 51 Lockers *(10 50)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 51 13 Metal Lockers *(10 51)*

10 51 13 00-0001 Institutional And Corridor Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel 24 gauge solid body components and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0002 Single Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0003	EA	12" x 12" x 60" Single Tier Institutional Or Corridor Locker	221.21	28.78
		For >25 To 50, Deduct	*-8.18*	
		For >50 To 100, Deduct	*-17.23*	
		For >100, Deduct	*-26.27*	
		For 14 Gauge Doors, Add	*13.09*	
10 51 13 00-0004	EA	12" x 15" x 60" Single Tier Institutional Or Corridor Locker	229.88	28.78
		For >25 To 50, Deduct	*-8.62*	
		For >50 To 100, Deduct	*-18.09*	
		For >100, Deduct	*-27.57*	
		For 14 Gauge Doors, Add	*13.78*	
10 51 13 00-0005	EA	12" x 18" x 60" Single Tier Institutional Or Corridor Locker	241.74	28.78
		For >25 To 50, Deduct	*-9.21*	
		For >50 To 100, Deduct	*-19.28*	
		For >100, Deduct	*-29.35*	
		For 14 Gauge Doors, Add	*14.73*	
10 51 13 00-0006	EA	12" x 12" x 72" Single Tier Institutional Or Corridor Locker	241.07	29.71
		For >25 To 50, Deduct	*-9.08*	
		For >50 To 100, Deduct	*-19.06*	
		For >100, Deduct	*-29.03*	
		For 14 Gauge Doors, Add	*14.53*	
10 51 13 00-0007	EA	12" x 15" x 72" Single Tier Institutional Or Corridor Locker	248.25	29.71
		For >25 To 50, Deduct	*-9.44*	
		For >50 To 100, Deduct	*-19.77*	
		For >100, Deduct	*-30.11*	
		For 14 Gauge Doors, Add	*15.11*	
10 51 13 00-0008	EA	12" x 18" x 72" Single Tier Institutional Or Corridor Locker	255.26	29.71
		For >25 To 50, Deduct	*-9.79*	
		For >50 To 100, Deduct	*-20.47*	
		For >100, Deduct	*-31.16*	
		For 14 Gauge Doors, Add	*15.67*	
10 51 13 00-0009	EA	15" x 15" x 72" Single Tier Institutional Or Corridor Locker	267.36	29.71
		For >25 To 50, Deduct	*-10.40*	
		For >50 To 100, Deduct	*-21.68*	
		For >100, Deduct	*-32.97*	
		For 14 Gauge Doors, Add	*16.63*	
10 51 13 00-0010	EA	15" x 18" x 72" Single Tier Institutional Or Corridor Locker	279.33	29.71
		For >25 To 50, Deduct	*-11.00*	
		For >50 To 100, Deduct	*-22.88*	
		For >100, Deduct	*-34.77*	
		For 14 Gauge Doors, Add	*17.59*	
10 51 13 00-0011	EA	18" x 18" x 72" Single Tier Institutional Or Corridor Locker	292.01	29.71
		For >25 To 50, Deduct	*-11.63*	
		For >50 To 100, Deduct	*-24.15*	
		For >100, Deduct	*-36.67*	
		For 14 Gauge Doors, Add	*18.61*	
10 51 13 00-0012	EA	18" x 21" x 72" Single Tier Institutional Or Corridor Locker	303.72	29.71
		For >25 To 50, Deduct	*-12.21*	
		For >50 To 100, Deduct	*-25.32*	
		For >100, Deduct	*-38.43*	
		For 14 Gauge Doors, Add	*19.54*	
10 51 13 00-0013	EA	24" x 24" x 72" Single Tier Institutional Or Corridor Locker	410.70	29.71
		For >25 To 50, Deduct	*-17.56*	
		For >50 To 100, Deduct	*-36.02*	
		For >100, Deduct	*-54.47*	
		For 14 Gauge Doors, Add	*28.10*	

10 51 13 00-0014 Two Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes three single hooks and one double hook per tier.

10 51 13 00-0015	EA	12" x 12" x 60" Two Tier Institutional Or Corridor Locker	261.30	29.71
		For >25 To 50, Deduct	*-10.09*	
		For >50 To 100, Deduct	*-21.08*	
		For >100, Deduct	*-32.06*	
		For 14 Gauge Doors, Add	*22.21*	
10 51 13 00-0016	EA	12" x 15" x 60" Two Tier Institutional Or Corridor Locker	266.76	29.71
		For >25 To 50, Deduct	*-10.37*	
		For >50 To 100, Deduct	*-21.62*	
		For >100, Deduct	*-32.88*	
		For 14 Gauge Doors, Add	*22.81*	
10 51 13 00-0017	EA	12" x 18" x 60" Two Tier Institutional Or Corridor Locker	272.27	29.71
		For >25 To 50, Deduct	*-10.64*	
		For >50 To 100, Deduct	*-22.18*	
		For >100, Deduct	*-33.71*	
		For 14 Gauge Doors, Add	*23.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0018	EA	12" x 12" x 72" Two Tier Institutional Or Corridor Locker	273.19	30.64
		For >25 To 50, Deduct	*-10.60*	
		For >50 To 100, Deduct	*-22.11*	
		For >100, Deduct	*-33.62*	
		For 14 Gauge Doors, Add	*23.31*	
10 51 13 00-0019	EA	12" x 15" x 72" Two Tier Institutional Or Corridor Locker	285.13	30.64
		For >25 To 50, Deduct	*-11.19*	
		For >50 To 100, Deduct	*-23.30*	
		For >100, Deduct	*-35.41*	
		For 14 Gauge Doors, Add	*24.62*	
10 51 13 00-0020	EA	12" x 18" x 72" Two Tier Institutional Or Corridor Locker	292.34	30.64
		For >25 To 50, Deduct	*-11.55*	
		For >50 To 100, Deduct	*-24.02*	
		For >100, Deduct	*-36.50*	
		For 14 Gauge Doors, Add	*25.42*	
10 51 13 00-0021	EA	15" x 15" x 72" Two Tier Institutional Or Corridor Locker	302.67	30.64
		For >25 To 50, Deduct	*-12.07*	
		For >50 To 100, Deduct	*-25.06*	
		For >100, Deduct	*-38.05*	
		For 14 Gauge Doors, Add	*26.55*	
10 51 13 00-0022	EA	15" x 18" x 72" Two Tier Institutional Or Corridor Locker	313.05	30.64
		For >25 To 50, Deduct	*-12.59*	
		For >50 To 100, Deduct	*-26.10*	
		For >100, Deduct	*-39.60*	
		For 14 Gauge Doors, Add	*27.69*	
10 51 13 00-0023	EA	18" x 18" x 72" Two Tier Institutional Or Corridor Locker	360.01	30.64
		For >25 To 50, Deduct	*-14.94*	
		For >50 To 100, Deduct	*-30.79*	
		For >100, Deduct	*-46.65*	
		For 14 Gauge Doors, Add	*32.86*	
10 51 13 00-0024	EA	18" x 21" x 72" Two Tier Institutional Or Corridor Locker	368.53	30.64
		For >25 To 50, Deduct	*-15.36*	
		For >50 To 100, Deduct	*-31.64*	
		For >100, Deduct	*-47.92*	
		For 14 Gauge Doors, Add	*33.80*	

10 51 13 00-0025 Three Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

Note: Includes one double hook per tier.

10 51 13 00-0026	EA	12" x 12" x 72" Three Tier Institutional Or Corridor Locker	306.74	31.58
		For >25 To 50, Deduct	*-12.18*	
		For >50 To 100, Deduct	*-25.31*	
		For >100, Deduct	*-38.43*	
		For 14 Gauge Doors, Add	*36.54*	
10 51 13 00-0027	EA	12" x 15" x 72" Three Tier Institutional Or Corridor Locker	312.35	31.58
		For >25 To 50, Deduct	*-12.46*	
		For >50 To 100, Deduct	*-25.87*	
		For >100, Deduct	*-39.28*	
		For 14 Gauge Doors, Add	*37.38*	
10 51 13 00-0028	EA	12" x 18" x 72" Three Tier Institutional Or Corridor Locker	332.29	31.58
		For >25 To 50, Deduct	*-13.46*	
		For >50 To 100, Deduct	*-27.86*	
		For >100, Deduct	*-42.27*	
		For 14 Gauge Doors, Add	*40.37*	
10 51 13 00-0029	EA	15" x 15" x 72" Three Tier Institutional Or Corridor Locker	351.37	31.58
		For >25 To 50, Deduct	*-14.41*	
		For >50 To 100, Deduct	*-29.77*	
		For >100, Deduct	*-45.13*	
		For 14 Gauge Doors, Add	*43.23*	
10 51 13 00-0030	EA	15" x 18" x 72" Three Tier Institutional Or Corridor Locker	366.57	31.58
		For >25 To 50, Deduct	*-15.17*	
		For >50 To 100, Deduct	*-31.29*	
		For >100, Deduct	*-47.41*	
		For 14 Gauge Doors, Add	*45.51*	

10 51 13 00-0031 Four Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

10 51 13 00-0032	EA	12" x 12" x 72" Four Tier Institutional Or Corridor Locker	301.12	32.50
		For >25 To 50, Deduct	*-11.81*	
		For >50 To 100, Deduct	*-24.59*	
		For >100, Deduct	*-37.37*	
10 51 13 00-0033	EA	12" x 15" x 72" Four Tier Institutional Or Corridor Locker	310.90	32.50
		For >25 To 50, Deduct	*-12.29*	
		For >50 To 100, Deduct	*-25.56*	
		For >100, Deduct	*-38.83*	
10 51 13 00-0034	EA	12" x 18" x 72" Four Tier Institutional Or Corridor Locker	326.65	32.50
		For >25 To 50, Deduct	*-13.08*	
		For >50 To 100, Deduct	*-27.14*	
		For >100, Deduct	*-41.20*	
10 51 13 00-0035	EA	15" x 15" x 72" Four Tier Institutional Or Corridor Locker	339.25	32.50
		For >25 To 50, Deduct	*-13.71*	
		For >50 To 100, Deduct	*-28.40*	
		For >100, Deduct	*-43.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0036	EA	15" x 18" x 72" Four Tier Institutional Or Corridor Locker	357.39	32.50
		For >25 To 50, Deduct	*-14.62*	
		For >50 To 100, Deduct	*-30.21*	
		For >100, Deduct	*-45.81*	

10 51 13 00-0037 Six Tier Institutional Or Corridor Locker *(10 51 13 00-0001)*

10 51 13 00-0038	EA	12" x 12" x 72" Six Tier Institutional Or Corridor Locker	327.59	33.43
		For >25 To 50, Deduct	*-13.04*	
		For >50 To 100, Deduct	*-27.08*	
		For >100, Deduct	*-41.12*	
10 51 13 00-0039	EA	12" x 15" x 72" Six Tier Institutional Or Corridor Locker	335.13	33.43
		For >25 To 50, Deduct	*-13.41*	
		For >50 To 100, Deduct	*-27.83*	
		For >100, Deduct	*-42.25*	
10 51 13 00-0040	EA	12" x 18" x 72" Six Tier Institutional Or Corridor Locker	349.39	33.43
		For >25 To 50, Deduct	*-14.13*	
		For >50 To 100, Deduct	*-29.26*	
		For >100, Deduct	*-44.39*	

10 51 13 00-0041 Locker And Coat Rack Combination *(10 51 13 00-0001)*

10 51 13 00-0042	EA	45" x 18" x 12", 4 Person Wall Mount Locker And Coat Rack Combination	605.69	22.28
10 51 13 00-0043	EA	72" x 18" x 78", 16 Person Locker And Coat Rack Combination	968.57	46.43

10 51 13 00-0044 Athletic Lockers *(10 51 13)*

Note: Price per frame. Includes baked enamel paint, diamond perforated doors and sides, 16 gauge solid top, bottom, and shelves and 6" legs. Excludes slope top, base fillers, and locks.

10 51 13 00-0045 Single Tier Athletic Locker *(10 51 13 00-0044)*

Note: Includes one hat shelf, three single hooks and one double hook.

10 51 13 00-0046	EA	12" x 15" x 60" Single Tier Athletic Locker	331.76	29.71
		For >25 To 50, Deduct	*-13.62*	
		For >50 To 100, Deduct	*-28.12*	
		For >100, Deduct	*-42.63*	
10 51 13 00-0047	EA	12" x 18" x 60" Single Tier Athletic Locker	343.26	29.71
		For >25 To 50, Deduct	*-14.19*	
		For >50 To 100, Deduct	*-29.27*	
		For >100, Deduct	*-44.36*	
10 51 13 00-0048	EA	15" x 15" x 60" Single Tier Athletic Locker	350.66	29.71
		For >25 To 50, Deduct	*-14.56*	
		For >50 To 100, Deduct	*-30.01*	
		For >100, Deduct	*-45.47*	
10 51 13 00-0049	EA	15" x 18" x 60" Single Tier Athletic Locker	362.93	29.71
		For >25 To 50, Deduct	*-15.18*	
		For >50 To 100, Deduct	*-31.24*	
		For >100, Deduct	*-47.31*	
10 51 13 00-0050	EA	18" x 18" x 60" Single Tier Athletic Locker	415.90	29.71
		For >25 To 50, Deduct	*-17.82*	
		For >50 To 100, Deduct	*-36.54*	
		For >100, Deduct	*-55.25*	
10 51 13 00-0051	EA	18" x 21" x 60" Single Tier Athletic Locker	458.01	29.71
		For >25 To 50, Deduct	*-19.93*	
		For >50 To 100, Deduct	*-40.75*	
		For >100, Deduct	*-61.57*	
10 51 13 00-0052	EA	18" x 24" x 60" Single Tier Athletic Locker	486.81	29.71
		For >25 To 50, Deduct	*-21.37*	
		For >50 To 100, Deduct	*-43.63*	
		For >100, Deduct	*-65.89*	
10 51 13 00-0053	EA	12" x 15" x 72" Single Tier Athletic Locker	344.52	29.71
		For >25 To 50, Deduct	*-14.25*	
		For >50 To 100, Deduct	*-29.40*	
		For >100, Deduct	*-44.55*	
10 51 13 00-0054	EA	12" x 18" x 72" Single Tier Athletic Locker	365.24	29.71
		For >25 To 50, Deduct	*-15.29*	
		For >50 To 100, Deduct	*-31.47*	
		For >100, Deduct	*-47.65*	
10 51 13 00-0055	EA	15" x 15" x 72" Single Tier Athletic Locker	372.52	29.71
		For >25 To 50, Deduct	*-15.65*	
		For >50 To 100, Deduct	*-32.20*	
		For >100, Deduct	*-48.75*	
10 51 13 00-0056	EA	15" x 18" x 72" Single Tier Athletic Locker	385.82	29.71
		For >25 To 50, Deduct	*-16.32*	
		For >50 To 100, Deduct	*-33.53*	
		For >100, Deduct	*-50.74*	
10 51 13 00-0057	EA	18" x 18" x 72" Single Tier Athletic Locker	418.61	29.71
		For >25 To 50, Deduct	*-17.96*	
		For >50 To 100, Deduct	*-36.81*	
		For >100, Deduct	*-55.66*	
10 51 13 00-0058	EA	18" x 21" x 72" Single Tier Athletic Locker	452.98	29.71
		For >25 To 50, Deduct	*-19.68*	
		For >50 To 100, Deduct	*-40.25*	
		For >100, Deduct	*-60.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0059		**Two Tier Athletic Locker** *(10 51 13 00-0044)*		
		Note: Includes three single hooks and one double hook per tier.		
10 51 13 00-0060	EA	12" x 12" x 60" Two Tier Athletic Locker	372.03	30.64
		For >25 To 50, Deduct	*-15.54*	
		For >50 To 100, Deduct	*-31.99*	
		For >100, Deduct	*-48.45*	
10 51 13 00-0061	EA	12" x 15" x 60" Two Tier Athletic Locker	384.27	30.64
		For >25 To 50, Deduct	*-16.15*	
		For >50 To 100, Deduct	*-33.22*	
		For >100, Deduct	*-50.29*	
10 51 13 00-0062	EA	12" x 18" x 60" Two Tier Athletic Locker	398.05	30.64
		For >25 To 50, Deduct	*-16.84*	
		For >50 To 100, Deduct	*-34.60*	
		For >100, Deduct	*-52.35*	
10 51 13 00-0063	EA	15" x 15" x 60" Two Tier Athletic Locker	399.39	30.64
		For >25 To 50, Deduct	*-16.91*	
		For >50 To 100, Deduct	*-34.73*	
		For >100, Deduct	*-52.55*	
10 51 13 00-0064	EA	15" x 18" x 60" Two Tier Athletic Locker	402.26	30.64
		For >25 To 50, Deduct	*-17.05*	
		For >50 To 100, Deduct	*-35.02*	
		For >100, Deduct	*-52.98*	
10 51 13 00-0065	EA	18" x 18" x 60" Two Tier Athletic Locker	426.47	30.64
		For >25 To 50, Deduct	*-18.26*	
		For >50 To 100, Deduct	*-37.44*	
		For >100, Deduct	*-56.62*	
10 51 13 00-0066	EA	18" x 21" x 60" Two Tier Athletic Locker	444.21	30.64
		For >25 To 50, Deduct	*-19.15*	
		For >50 To 100, Deduct	*-39.21*	
		For >100, Deduct	*-59.28*	
10 51 13 00-0067	EA	18" x 24" x 60" Two Tier Athletic Locker	523.41	30.64
		For >25 To 50, Deduct	*-23.11*	
		For >50 To 100, Deduct	*-47.13*	
		For >100, Deduct	*-71.16*	
10 51 13 00-0068	EA	12" x 12" x 72" Two Tier Athletic Locker	385.28	30.64
		For >25 To 50, Deduct	*-16.20*	
		For >50 To 100, Deduct	*-33.32*	
		For >100, Deduct	*-50.44*	
10 51 13 00-0069	EA	12" x 15" x 72" Two Tier Athletic Locker	397.82	30.64
		For >25 To 50, Deduct	*-16.83*	
		For >50 To 100, Deduct	*-34.57*	
		For >100, Deduct	*-52.32*	
10 51 13 00-0070	EA	12" x 18" x 72" Two Tier Athletic Locker	414.91	30.64
		For >25 To 50, Deduct	*-17.68*	
		For >50 To 100, Deduct	*-36.28*	
		For >100, Deduct	*-54.88*	
10 51 13 00-0071	EA	15" x 15" x 72" Two Tier Athletic Locker	417.50	30.64
		For >25 To 50, Deduct	*-17.81*	
		For >50 To 100, Deduct	*-36.54*	
		For >100, Deduct	*-55.27*	
10 51 13 00-0072	EA	15" x 18" x 72" Two Tier Athletic Locker	431.55	30.64
		For >25 To 50, Deduct	*-18.51*	
		For >50 To 100, Deduct	*-37.95*	
		For >100, Deduct	*-57.38*	
10 51 13 00-0073	EA	18" x 18" x 72" Two Tier Athletic Locker	448.81	30.64
		For >25 To 50, Deduct	*-19.38*	
		For >50 To 100, Deduct	*-39.67*	
		For >100, Deduct	*-59.97*	
10 51 13 00-0074	EA	18" x 21" x 72" Two Tier Athletic Locker	487.53	30.64
		For >25 To 50, Deduct	*-21.31*	
		For >50 To 100, Deduct	*-43.54*	
		For >100, Deduct	*-65.77*	
10 51 13 00-0075		**Three Tier Athletic Locker** *(10 51 13 00-0044)*		
		Note: Includes one double hook per tier.		
10 51 13 00-0076	EA	12" x 12" x 60" Three Tier Athletic Locker	403.36	31.58
		For >25 To 50, Deduct	*-17.01*	
		For >50 To 100, Deduct	*-34.97*	
		For >100, Deduct	*-52.93*	
10 51 13 00-0077	EA	12" x 15" x 60" Three Tier Athletic Locker	423.20	31.58
		For >25 To 50, Deduct	*-18.00*	
		For >50 To 100, Deduct	*-36.95*	
		For >100, Deduct	*-55.90*	
10 51 13 00-0078	EA	12" x 18" x 60" Three Tier Athletic Locker	440.74	31.58
		For >25 To 50, Deduct	*-18.88*	
		For >50 To 100, Deduct	*-38.71*	
		For >100, Deduct	*-58.53*	
10 51 13 00-0079	EA	15" x 15" x 60" Three Tier Athletic Locker	452.66	31.58
		For >25 To 50, Deduct	*-19.48*	
		For >50 To 100, Deduct	*-39.90*	
		For >100, Deduct	*-60.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0080	EA	15" x 18" x 60" Three Tier Athletic Locker	472.50	31.58
		For >25 To 50, Deduct	*-20.47*	
		For >50 To 100, Deduct	*-41.88*	
		For >100, Deduct	*-63.30*	
10 51 13 00-0081	EA	12" x 12" x 72" Three Tier Athletic Locker	425.96	31.58
		For >25 To 50, Deduct	*-18.14*	
		For >50 To 100, Deduct	*-37.23*	
		For >100, Deduct	*-56.32*	
10 51 13 00-0082	EA	12" x 15" x 72" Three Tier Athletic Locker	443.88	31.58
		For >25 To 50, Deduct	*-19.04*	
		For >50 To 100, Deduct	*-39.02*	
		For >100, Deduct	*-59.01*	
10 51 13 00-0083	EA	12" x 18" x 72" Three Tier Athletic Locker	468.61	31.58
		For >25 To 50, Deduct	*-20.27*	
		For >50 To 100, Deduct	*-41.49*	
		For >100, Deduct	*-62.71*	
10 51 13 00-0084	EA	15" x 15" x 72" Three Tier Athletic Locker	481.26	31.58
		For >25 To 50, Deduct	*-20.91*	
		For >50 To 100, Deduct	*-42.76*	
		For >100, Deduct	*-64.61*	
10 51 13 00-0085	EA	15" x 18" x 72" Three Tier Athletic Locker	500.25	31.58
		For >25 To 50, Deduct	*-21.86*	
		For >50 To 100, Deduct	*-44.66*	
		For >100, Deduct	*-67.46*	

10 51 13 00-0086 Four Tier Athletic Locker *(10 51 13 00-0044)*

10 51 13 00-0087	EA	12" x 12" x 60" Four Tier Athletic Locker	371.39	32.50
		For >25 To 50, Deduct	*-15.32*	
		For >50 To 100, Deduct	*-31.61*	
		For >100, Deduct	*-47.91*	
10 51 13 00-0088	EA	12" x 15" x 60" Four Tier Athletic Locker	395.69	32.50
		For >25 To 50, Deduct	*-16.53*	
		For >50 To 100, Deduct	*-34.04*	
		For >100, Deduct	*-51.55*	
10 51 13 00-0089	EA	12" x 18" x 60" Four Tier Athletic Locker	419.99	32.50
		For >25 To 50, Deduct	*-17.75*	
		For >50 To 100, Deduct	*-36.47*	
		For >100, Deduct	*-55.20*	
10 51 13 00-0090	EA	15" x 15" x 60" Four Tier Athletic Locker	429.92	32.50
		For >25 To 50, Deduct	*-18.25*	
		For >50 To 100, Deduct	*-37.47*	
		For >100, Deduct	*-56.69*	
10 51 13 00-0091	EA	15" x 18" x 60" Four Tier Athletic Locker	469.84	32.50
		For >25 To 50, Deduct	*-20.24*	
		For >50 To 100, Deduct	*-41.46*	
		For >100, Deduct	*-62.67*	
10 51 13 00-0092	EA	12" x 12" x 72" Four Tier Athletic Locker	396.11	32.50
		For >25 To 50, Deduct	*-16.56*	
		For >50 To 100, Deduct	*-34.09*	
		For >100, Deduct	*-51.62*	
10 51 13 00-0093	EA	12" x 15" x 72" Four Tier Athletic Locker	420.76	32.50
		For >25 To 50, Deduct	*-17.79*	
		For >50 To 100, Deduct	*-36.55*	
		For >100, Deduct	*-55.31*	
10 51 13 00-0094	EA	12" x 18" x 72" Four Tier Athletic Locker	445.41	32.50
		For >25 To 50, Deduct	*-19.02*	
		For >50 To 100, Deduct	*-39.02*	
		For >100, Deduct	*-59.01*	
10 51 13 00-0095	EA	15" x 15" x 72" Four Tier Athletic Locker	458.03	32.50
		For >25 To 50, Deduct	*-19.65*	
		For >50 To 100, Deduct	*-40.28*	
		For >100, Deduct	*-60.90*	
10 51 13 00-0096	EA	15" x 18" x 72" Four Tier Athletic Locker	467.50	32.50
		For >25 To 50, Deduct	*-20.12*	
		For >50 To 100, Deduct	*-41.22*	
		For >100, Deduct	*-62.32*	

10 51 13 00-0097 Six Tier Athletic Locker *(10 51 13 00-0044)*

10 51 13 00-0098	EA	12" x 12" x 72" Six Tier Athletic Locker	439.42	33.43
		For >25 To 50, Deduct	*-18.63*	
		For >50 To 100, Deduct	*-38.26*	
		For >100, Deduct	*-57.89*	
10 51 13 00-0099	EA	12" x 15" x 72" Six Tier Athletic Locker	458.35	33.43
		For >25 To 50, Deduct	*-19.57*	
		For >50 To 100, Deduct	*-40.15*	
		For >100, Deduct	*-60.73*	
10 51 13 00-0100	EA	12" x 18" x 72" Six Tier Athletic Locker	477.25	33.43
		For >25 To 50, Deduct	*-20.52*	
		For >50 To 100, Deduct	*-42.04*	
		For >100, Deduct	*-63.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0101	EA	12" x 21" x 72" Six Tier Athletic Locker	546.24	33.43
		For >25 To 50, Deduct	*-23.97*	
		For >50 To 100, Deduct	*-48.94*	
		For >100, Deduct	*-73.91*	

10 51 13 00-0102 Metal Locker Accessories *(10 51 13)*

10 51 13 00-0103 Locker Slope Tops *(10 51 13 00-0102)*

10 51 13 00-0104 16 Gauge Continuous Sloping Hood *(10 51 13 00-0103)*

10 51 13 00-0105	LF	12" Deep, 16 Gauge Continuous Slope Top	27.62	3.72
10 51 13 00-0106	LF	15" Deep, 16 Gauge Continuous Slope Top	23.31	3.72
10 51 13 00-0107	LF	18" Deep, 16 Gauge Continuous Slope Top	32.03	3.72
10 51 13 00-0108	LF	21" Deep, 16 Gauge Continuous Slope Top	35.39	3.72
10 51 13 00-0109	LF	24" Deep, 16 Gauge Continuous Slope Top	36.96	3.72

10 51 13 00-0110 16 Gauge Slope Top Corner Fillers *(10 51 13 00-0103)*

10 51 13 00-0111	EA	12" Deep, 16 Gauge Slope Top Corner Fillers	114.19	3.72
10 51 13 00-0112	EA	15" Deep, 16 Gauge Slope Top Corner Fillers	116.64	3.72
10 51 13 00-0113	EA	18" Deep, 16 Gauge Slope Top Corner Fillers	119.07	3.72
10 51 13 00-0114	EA	21" Deep, 16 Gauge Slope Top Corner Fillers	122.02	3.72
10 51 13 00-0115	EA	24" Deep, 16 Gauge Slope Top Corner Fillers	124.94	3.72

10 51 13 00-0116 20 Gauge Individual Slope Top *(10 51 13 00-0103)*

10 51 13 00-0117	EA	12" Wide x 12" Deep 20 Gauge Individual Slope Top	23.73	3.72
10 51 13 00-0118	EA	12" Wide x 15" Deep 20 Gauge Individual Slope Top	23.58	3.72
10 51 13 00-0119	EA	12" Wide x 18" Deep 20 Gauge Individual Slope Top	26.23	3.72
10 51 13 00-0120	EA	15" Wide x 15" Deep 20 Gauge Individual Slope Top	26.23	3.72
10 51 13 00-0121	EA	15" Wide x 18" Deep 20 Gauge Individual Slope Top	26.86	3.72
10 51 13 00-0122	EA	15" Wide x 21" Deep 20 Gauge Individual Slope Top	29.37	3.72
10 51 13 00-0123	EA	18" Wide x 18" Deep 20 Gauge Individual Slope Top	29.37	3.72
10 51 13 00-0124	EA	18" Wide x 21" Deep 20 Gauge Individual Slope Top	32.67	3.72
10 51 13 00-0125	EA	18" Wide x 24" Deep 20 Gauge Individual Slope Top	36.60	3.72

10 51 13 00-0126 Continuous Slope Top End Closures *(10 51 13 00-0103)*

10 51 13 00-0127	PR	12" Deep, Continuous Slope Top End Closures	25.30	3.72
10 51 13 00-0128	PR	15" Deep, Continuous Slope Top End Closures	21.51	3.72
10 51 13 00-0129	PR	18" Deep, Continuous Slope Top End Closures	28.42	3.72
10 51 13 00-0130	PR	21" Deep, Continuous Slope Top End Closures	30.00	3.72
10 51 13 00-0131	PR	24" Deep, Continuous Slope Top End Closures	31.07	3.72

10 51 13 00-0132 Individual Slope Top End Closures *(10 51 13 00-0103)*

10 51 13 00-0133	EA	12" Deep, Individual Slope Top End Closures	16.36	3.72
10 51 13 00-0134	EA	15" Deep, Individual Slope Top End Closures	16.85	3.72
10 51 13 00-0135	EA	18" Deep, Individual Slope Top End Closures	17.94	3.72
10 51 13 00-0136	EA	21" Deep, Individual Slope Top End Closures	18.70	3.72
10 51 13 00-0137	EA	24" Deep, Individual Slope Top End Closures	26.43	3.72

10 51 13 00-0138 Locker Base *(10 51 13 00-0102)*

10 51 13 00-0139 Closed Front Base *(10 51 13 00-0138)*

10 51 13 00-0140	EA	12" Wide, 6" High Closed Front Base	17.20	3.72
10 51 13 00-0141	EA	15" Wide, 6" High Closed Front Base	18.02	3.72
10 51 13 00-0142	EA	18" Wide, 6" High Closed Front Base	19.73	3.72
10 51 13 00-0143	EA	24" Wide, 6" High Closed Front Base	20.55	3.72

10 51 13 00-0144 Closed End Base *(10 51 13 00-0138)*

10 51 13 00-0145	EA	12" Deep, 6" High Closed End Base	19.47	3.72
10 51 13 00-0146	EA	15" Deep, 6" High Closed End Base	19.62	3.72
10 51 13 00-0147	EA	18" Deep, 6" High Closed End Base	20.72	3.72
10 51 13 00-0148	EA	21" Deep, 6" High Closed End Base	21.81	3.72
10 51 13 00-0149	EA	24" Deep, 6" High Closed End Base	23.29	3.72

10 51 13 00-0150 Recessed Continuous Front "Z" Base *(10 51 13 00-0138)*

10 51 13 00-0151	LF	4" High Recessed Continuous Front "Z" Base	20.44	2.78

10 51 13 00-0152 "Z" Base Ends Or Splice *(10 51 13 00-0138)*

10 51 13 00-0153	EA	12" Wide, 4" High Z-Base Ends Or Splice	20.36	3.72
10 51 13 00-0154	EA	15" Wide, 4" High Z-Base Ends Or Splice	23.58	3.72
10 51 13 00-0155	EA	18" Wide, 4" High Z-Base Ends Or Splice	26.86	3.72
10 51 13 00-0156	EA	21" Wide, 4" High Z-Base Ends Or Splice	30.32	3.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0157	EA	24" Wide, 4" High Z-Base Ends Or Splice	33.76	3.72

10 51 13 00-0158 Locker Front Fillers And End Panels *(10 51 13 00-0102)*

10 51 13 00-0159 Locker Front Fillers *(10 51 13 00-0158)*

10 51 13 00-0160	EA	6" Wide x 48" High, 16 Gauge Front Filler	26.52	4.65
10 51 13 00-0161	EA	12" Wide x 48" High, 16 Gauge Front Filler	42.96	4.65
10 51 13 00-0162	EA	6" Wide x 60" High, 16 Gauge Front Filler	33.27	4.65
10 51 13 00-0163	EA	12" Wide x 60" High, 16 Gauge Front Filler	51.39	4.65
10 51 13 00-0164	EA	6" Wide x 66" High, 16 Gauge Front Filler	36.22	4.65
10 51 13 00-0165	EA	12" Wide x 66" High, 16 Gauge Front Filler	40.71	4.65
10 51 13 00-0166	EA	6" Wide x 72" High, 16 Gauge Front Filler	39.65	4.65
10 51 13 00-0167	EA	12" Wide x 72" High, 16 Gauge Front Filler	56.28	4.65
10 51 13 00-0168	EA	6" Wide x 78" High, 16 Gauge Front Filler	40.60	4.65
10 51 13 00-0169	EA	12" Wide x 78" High, 16 Gauge Front Filler	47.32	4.65

10 51 13 00-0170 Locker End Panels *(10 51 13 00-0158)*

10 51 13 00-0171	EA	12" Deep x 48" High, 16 Gauge End Panel	43.70	3.72
10 51 13 00-0172	EA	15" Deep x 48" High, 16 Gauge End Panel	53.38	3.72
10 51 13 00-0173	EA	18" Deep x 48" High, 16 Gauge End Panel	62.69	3.72
10 51 13 00-0174	EA	12" Deep x 60" High, 16 Gauge End Panel	51.62	3.72
10 51 13 00-0175	EA	15" Deep x 60" High, 16 Gauge End Panel	58.57	3.72
10 51 13 00-0176	EA	18" Deep x 60" High, 16 Gauge End Panel	69.49	3.72
10 51 13 00-0177	EA	12" Deep x 72" High, 16 Gauge End Panel	60.86	3.72
10 51 13 00-0178	EA	15" Deep x 72" High, 16 Gauge End Panel	69.30	3.72
10 51 13 00-0179	EA	18" Deep x 72" High, 16 Gauge End Panel	80.54	3.72
10 51 13 00-0180	EA	21" Deep x 72" High, 16 Gauge End Panel	92.74	3.72

10 51 13 00-0181 Locker Recessed Trim *(10 51 13 00-0102)*

10 51 13 00-0182	LF	3" Height, Top Trim For Recessed Lockers	8.97	1.85
10 51 13 00-0183	EA	3" Height, Inside And Outside Top Corner Trim For Recessed Lockers	24.79	3.72
10 51 13 00-0184	EA	60" Height, 3" Wide Side Trim For Recessed Lockers	37.81	3.72
10 51 13 00-0185	EA	66" Height, 3" Wide Side Trim For Recessed Lockers	39.19	3.72
10 51 13 00-0186	EA	72" Height, 3" Wide Side Trim For Recessed Lockers	40.56	3.72
10 51 13 00-0187	EA	78" Height, 3" Wide Side Trim For Recessed Lockers	41.76	3.72

10 51 13 00-0188 Locker Interior Accessories *(10 51 13 00-0102)*

10 51 13 00-0189 Locker Coat Rods *(10 51 13 00-0188)*

10 51 13 00-0190	EA	12" Wide Coat Rod	13.34	3.72
10 51 13 00-0191	EA	15" Wide Coat Rod	14.62	3.72
10 51 13 00-0192	EA	18" Wide Coat Rod	15.75	3.72
10 51 13 00-0193	EA	24" Wide Coat Rod	16.76	3.72

10 51 13 00-0194 Locker Hat Shelf *(10 51 13 00-0188)*

10 51 13 00-0195	EA	12" Wide Hat Shelf	16.03	3.72
10 51 13 00-0196	EA	15" Wide Hat Shelf	18.79	3.72
10 51 13 00-0197	EA	18" Wide Hat Shelf	19.96	3.72
10 51 13 00-0198	EA	24" Wide Hat Shelf	24.57	3.72

10 51 13 00-0199 Locker ADA Compliant Shelf *(10 51 13 00-0188)*

10 51 13 00-0200	EA	ADA Compliant Shelf For Single Tier Lockers Note: Includes an ADA label for locker face.	31.66	4.65

10 51 13 00-0201 Other Interior Locker Accessories *(10 51 13 00-0188)*

10 51 13 00-0202	EA	3" x 10" Bent Plate Shoe Rack	41.87	3.72
10 51 13 00-0203	EA	8" x 10" Mirror	33.26	3.72
10 51 13 00-0204	EA	Additional Hook	9.58	3.72

10 51 13 00-0205 Locker Locks *(10 51 13 00-0102)*

10 51 13 00-0206	EA	Built In Combination Lock	36.47	3.72

10 51 13 00-0207 Steel Basket Racks Mounted On Concrete Base *(10 51 13)*

Note: Includes electroplated baskets with 3/4" x 1" wire mesh sides and bottom with perforated sheet steel front and backs.

10 51 13 00-0208	EA	9" x 13" x 8" Baskets, 28 Wire Mesh Baskets And Rack	1,706.31	69.64
10 51 13 00-0209	EA	12" x 13" x 8" Baskets, 21 Wire Mesh Baskets And Rack	1,458.74	69.64

10 51 13 00-0210 All-Welded Steel Lockers *(10 51 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

10 51 13 00-0211 All-Welded Steel Lockers *(10 51 13 00-0210)*

Note: Price per frame. Includes diamond perforated, standard louvered or solid doors and sides. Includes all-welded construction with 16 gauge solid top, bottom, and shelves, 14 gauge doors and 4" legs. Includes electrostatically applied enamel powder coat paint finish. Excludes slope top, base fillers, and locks.

10 51 13 00-0212 Single Tier, All-Welded Steel Lockers *(10 51 13 00-0211)*

Note: Includes one hat shelf, two single hooks and one double hook.

10 51 13 00-0213	EA	12" x 12" x 48" Single Tier, All-Welded Steel Locker	137.85	16.25
		For >25 To 50, Deduct	*-5.73*	
		For >50 To 100, Deduct	*-11.81*	
		For >100, Deduct	*-17.89*	
10 51 13 00-0214	EA	12" x 15" x 48" Single Tier, All-Welded Steel Locker	144.61	16.25
		For >25 To 50, Deduct	*-6.07*	
		For >50 To 100, Deduct	*-12.49*	
		For >100, Deduct	*-18.91*	
10 51 13 00-0215	EA	12" x 18" x 48" Single Tier, All-Welded Steel Locker	151.13	16.25
		For >25 To 50, Deduct	*-6.40*	
		For >50 To 100, Deduct	*-13.14*	
		For >100, Deduct	*-19.88*	
10 51 13 00-0216	EA	12" x 12" x 60" Single Tier, All-Welded Steel Locker	143.43	16.25
		For >25 To 50, Deduct	*-6.01*	
		For >50 To 100, Deduct	*-12.37*	
		For >100, Deduct	*-18.73*	
10 51 13 00-0217	EA	12" x 15" x 60" Single Tier, All-Welded Steel Locker	149.95	16.25
		For >25 To 50, Deduct	*-6.34*	
		For >50 To 100, Deduct	*-13.02*	
		For >100, Deduct	*-19.71*	
10 51 13 00-0218	EA	12" x 18" x 60" Single Tier, All-Welded Steel Locker	156.46	16.25
		For >25 To 50, Deduct	*-6.66*	
		For >50 To 100, Deduct	*-13.67*	
		For >100, Deduct	*-20.68*	
10 51 13 00-0219	EA	12" x 12" x 72" Single Tier, All-Welded Steel Locker	151.79	17.88
		For >25 To 50, Deduct	*-6.31*	
		For >50 To 100, Deduct	*-13.01*	
		For >100, Deduct	*-19.70*	
10 51 13 00-0220	EA	12" x 15" x 72" Single Tier, All-Welded Steel Locker	157.82	17.88
		For >25 To 50, Deduct	*-6.61*	
		For >50 To 100, Deduct	*-13.61*	
		For >100, Deduct	*-20.61*	
10 51 13 00-0221	EA	12" x 18" x 72" Single Tier, All-Welded Steel Locker	164.33	17.88
		For >25 To 50, Deduct	*-6.94*	
		For >50 To 100, Deduct	*-14.26*	
		For >100, Deduct	*-21.58*	
10 51 13 00-0222	EA	15" x 15" x 72" Single Tier, All-Welded Steel Locker	170.43	17.88
		For >25 To 50, Deduct	*-7.24*	
		For >50 To 100, Deduct	*-14.87*	
		For >100, Deduct	*-22.50*	
10 51 13 00-0223	EA	15" x 18" x 72" Single Tier, All-Welded Steel Locker	175.44	17.88
		For >25 To 50, Deduct	*-7.50*	
		For >50 To 100, Deduct	*-15.37*	
		For >100, Deduct	*-23.25*	
10 51 13 00-0224	EA	18" x 18" x 72" Single Tier, All-Welded Steel Locker	182.37	17.88
		For >25 To 50, Deduct	*-7.84*	
		For >50 To 100, Deduct	*-16.07*	
		For >100, Deduct	*-24.29*	
10 51 13 00-0225	EA	18" x 21" x 72" Single Tier, All-Welded Steel Locker	190.16	17.88
		For >25 To 50, Deduct	*-8.23*	
		For >50 To 100, Deduct	*-16.85*	
		For >100, Deduct	*-25.46*	
10 51 13 00-0226	EA	24" x 24" x 72" Single Tier, All-Welded Steel Locker	307.47	17.88
		For >25 To 50, Deduct	*-14.10*	
		For >50 To 100, Deduct	*-28.58*	
		For >100, Deduct	*-43.06*	

10 51 13 00-0227 Two Tier, All-Welded Steel Lockers *(10 51 13 00-0211)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0228	EA	12" x 12" x 60" Two Tier, All-Welded Steel Locker	164.55	16.25
		For >25 To 50, Deduct	*-7.07*	
		For >50 To 100, Deduct	*-14.48*	
		For >100, Deduct	*-21.90*	
10 51 13 00-0229	EA	12" x 15" x 60" Two Tier, All-Welded Steel Locker	167.54	16.25
		For >25 To 50, Deduct	*-7.22*	
		For >50 To 100, Deduct	*-14.78*	
		For >100, Deduct	*-22.35*	
10 51 13 00-0230	EA	12" x 18" x 60" Two Tier, All-Welded Steel Locker	175.57	16.25
		For >25 To 50, Deduct	*-7.62*	
		For >50 To 100, Deduct	*-15.58*	
		For >100, Deduct	*-23.55*	
10 51 13 00-0231	EA	12" x 12" x 72" Two Tier, All-Welded Steel Locker	171.87	17.88
		For >25 To 50, Deduct	*-7.32*	
		For >50 To 100, Deduct	*-15.02*	
		For >100, Deduct	*-22.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0232	EA	12" x 15" x 72" Two Tier, All-Welded Steel Locker	182.93	17.88
		For >25 To 50, Deduct	*-7.87*	
		For >50 To 100, Deduct	*-16.12*	
		For >100, Deduct	*-24.37*	
10 51 13 00-0233	EA	12" x 18" x 72" Two Tier, All-Welded Steel Locker	188.96	17.88
		For >25 To 50, Deduct	*-8.17*	
		For >50 To 100, Deduct	*-16.73*	
		For >100, Deduct	*-25.28*	
10 51 13 00-0234	EA	15" x 15" x 72" Two Tier, All-Welded Steel Locker	197.55	17.88
		For >25 To 50, Deduct	*-8.60*	
		For >50 To 100, Deduct	*-17.58*	
		For >100, Deduct	*-26.57*	
10 51 13 00-0235	EA	15" x 18" x 72" Two Tier, All-Welded Steel Locker	201.60	17.88
		For >25 To 50, Deduct	*-8.80*	
		For >50 To 100, Deduct	*-17.99*	
		For >100, Deduct	*-27.18*	
10 51 13 00-0236	EA	18" x 18" x 72" Two Tier, All-Welded Steel Locker	213.26	17.88
		For >25 To 50, Deduct	*-9.39*	
		For >50 To 100, Deduct	*-19.16*	
		For >100, Deduct	*-28.92*	
10 51 13 00-0237	EA	18" x 21" x 72" Two Tier, All-Welded Steel Locker	222.29	17.88
		For >25 To 50, Deduct	*-9.84*	
		For >50 To 100, Deduct	*-20.06*	
		For >100, Deduct	*-30.28*	

10 51 13 00-0238 Three Tier, All-Welded Steel Lockers *(10 51 13 00-0211)*

Note: Includes two single hooks and one double hook per tier.

10 51 13 00-0239	EA	12" x 12" x 72" Three Tier, All-Welded Steel Locker	203.03	17.88
		For >25 To 50, Deduct	*-8.87*	
		For >50 To 100, Deduct	*-18.13*	
		For >100, Deduct	*-27.39*	
10 51 13 00-0240	EA	12" x 15" x 72" Three Tier, All-Welded Steel Locker	207.56	17.88
		For >25 To 50, Deduct	*-9.10*	
		For >50 To 100, Deduct	*-18.59*	
		For >100, Deduct	*-28.07*	
10 51 13 00-0241	EA	12" x 18" x 72" Three Tier, All-Welded Steel Locker	212.06	17.88
		For >25 To 50, Deduct	*-9.33*	
		For >50 To 100, Deduct	*-19.04*	
		For >100, Deduct	*-28.74*	
10 51 13 00-0242	EA	15" x 15" x 72" Three Tier, All-Welded Steel Locker	222.72	17.88
		For >25 To 50, Deduct	*-9.86*	
		For >50 To 100, Deduct	*-20.10*	
		For >100, Deduct	*-30.34*	
10 51 13 00-0243	EA	15" x 18" x 72" Three Tier, All-Welded Steel Locker	224.69	17.88
		For >25 To 50, Deduct	*-9.96*	
		For >50 To 100, Deduct	*-20.30*	
		For >100, Deduct	*-30.64*	

10 51 13 00-0244 Four Tier, All-Welded Steel Lockers *(10 51 13 00-0211)*

10 51 13 00-0245	EA	12" x 12" x 72" Four Tier, All-Welded Steel Locker	192.28	17.88
		For >25 To 50, Deduct	*-8.34*	
		For >50 To 100, Deduct	*-17.06*	
		For >100, Deduct	*-25.78*	
10 51 13 00-0246	EA	12" x 15" x 72" Four Tier, All-Welded Steel Locker	196.56	17.88
		For >25 To 50, Deduct	*-8.55*	
		For >50 To 100, Deduct	*-17.49*	
		For >100, Deduct	*-26.42*	
10 51 13 00-0247	EA	12" x 18" x 72" Four Tier, All-Welded Steel Locker	200.81	17.88
		For >25 To 50, Deduct	*-8.76*	
		For >50 To 100, Deduct	*-17.91*	
		For >100, Deduct	*-27.06*	
10 51 13 00-0248	EA	15" x 15" x 72" Four Tier, All-Welded Steel Locker	210.84	17.88
		For >25 To 50, Deduct	*-9.27*	
		For >50 To 100, Deduct	*-18.91*	
		For >100, Deduct	*-28.56*	
10 51 13 00-0249	EA	15" x 18" x 72" Four Tier, All-Welded Steel Locker	212.66	17.88
		For >25 To 50, Deduct	*-9.36*	
		For >50 To 100, Deduct	*-19.10*	
		For >100, Deduct	*-28.83*	

10 51 13 00-0250 Six Tier, All-Welded Steel Lockers *(10 51 13 00-0211)*

10 51 13 00-0251	EA	12" x 12" x 72" Six Tier, All-Welded Steel Locker	198.94	17.88
		For >25 To 50, Deduct	*-8.67*	
		For >50 To 100, Deduct	*-17.72*	
		For >100, Deduct	*-26.78*	
10 51 13 00-0252	EA	12" x 15" x 72" Six Tier, All-Welded Steel Locker	205.18	17.88
		For >25 To 50, Deduct	*-8.98*	
		For >50 To 100, Deduct	*-18.35*	
		For >100, Deduct	*-27.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 13 00-0253	EA	12" x 18" x 72" Six Tier, All-Welded Steel Locker	209.78	17.88
		For >25 To 50, Deduct	*-9.21*	
		For >50 To 100, Deduct	*-18.81*	
		For >100, Deduct	*-28.40*	

10 51 13 00-0254 All Welded Locker Accessories *(10 51 13 00-0210)*

10 51 13 00-0255	EA	ADA Requirements For All Welded Lockers	81.52	
10 51 13 00-0256	EA	Solid Boxed End Panel For 12" Deep All Welded Lockers	133.20	3.72
10 51 13 00-0257	EA	Solid Boxed End Panel For 15" Deep All Welded Lockers	154.17	3.72
10 51 13 00-0258	EA	Recessed Trim For All Welded Lockers	94.38	3.72
10 51 13 00-0259	EA	Built In Combination Lock For All Welded Lockers	36.47	3.72
10 51 13 00-0260	EA	Pad Lock For All Welded Lockers	26.84	3.72

10 51 26 Plastic Lockers *(10 51)*

10 51 26 00-0001 Solid Plastic Lockers *(10 51 26)*

Note: Price per frame. High density polyethylene with homogeneous color throughout. Includes 1/2" door, 3/8" sides, tops, bottoms, rears and shelves. Excludes slope top, base, and locks.

10 51 26 00-0002 Single Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0003	EA	12" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	425.80	28.78
		For >50 To 100, Deduct	*-36.82*	
		For >100, Deduct	*-56.96*	
10 51 26 00-0004	EA	12" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	433.18	28.78
		For >50 To 100, Deduct	*-37.56*	
		For >100, Deduct	*-58.07*	
10 51 26 00-0005	EA	12" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	440.57	28.78
		For >50 To 100, Deduct	*-38.30*	
		For >100, Deduct	*-59.18*	
10 51 26 00-0006	EA	15" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	451.65	28.78
		For >50 To 100, Deduct	*-39.41*	
		For >100, Deduct	*-60.84*	
10 51 26 00-0007	EA	15" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	439.93	28.78
		For >50 To 100, Deduct	*-38.24*	
		For >100, Deduct	*-59.08*	
10 51 26 00-0008	EA	18" x 12" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	443.04	28.78
		For >50 To 100, Deduct	*-38.55*	
		For >100, Deduct	*-59.55*	
10 51 26 00-0009	EA	18" x 15" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	437.58	28.78
		For >50 To 100, Deduct	*-38.00*	
		For >100, Deduct	*-58.73*	
10 51 26 00-0010	EA	18" x 18" x 36" Single Tier Solid Plastic Locker (Tufftec Lockers®)	468.08	28.78
		For >50 To 100, Deduct	*-41.05*	
		For >100, Deduct	*-63.30*	
10 51 26 00-0011	EA	12" x 12" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	461.04	28.78
		For >50 To 100, Deduct	*-40.35*	
		For >100, Deduct	*-62.25*	
10 51 26 00-0012	EA	12" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	469.25	28.78
		For >50 To 100, Deduct	*-41.17*	
		For >100, Deduct	*-63.48*	
10 51 26 00-0013	EA	12" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	477.46	28.78
		For >50 To 100, Deduct	*-41.99*	
		For >100, Deduct	*-64.71*	
10 51 26 00-0014	EA	15" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	496.23	28.78
		For >50 To 100, Deduct	*-43.87*	
		For >100, Deduct	*-67.53*	
10 51 26 00-0015	EA	15" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	522.03	28.78
		For >50 To 100, Deduct	*-46.45*	
		For >100, Deduct	*-71.40*	
10 51 26 00-0016	EA	18" x 15" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	498.57	28.78
		For >50 To 100, Deduct	*-44.10*	
		For >100, Deduct	*-67.88*	
10 51 26 00-0017	EA	18" x 18" x 48" Single Tier Solid Plastic Locker (Tufftec Lockers®)	540.79	28.78
		For >50 To 100, Deduct	*-48.32*	
		For >100, Deduct	*-74.21*	
10 51 26 00-0018	EA	12" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	464.31	28.78
		For >50 To 100, Deduct	*-40.67*	
		For >100, Deduct	*-62.74*	
10 51 26 00-0019	EA	12" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	488.37	28.78
		For >50 To 100, Deduct	*-43.08*	
		For >100, Deduct	*-66.35*	
10 51 26 00-0020	EA	12" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	512.45	28.78
		For >50 To 100, Deduct	*-45.49*	
		For >100, Deduct	*-69.96*	
10 51 26 00-0021	EA	15" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	494.82	28.78
		For >50 To 100, Deduct	*-43.73*	
		For >100, Deduct	*-67.31*	
10 51 26 00-0022	EA	15" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	520.32	28.78
		For >50 To 100, Deduct	*-46.28*	
		For >100, Deduct	*-71.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0023	EA	15" x 18" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	545.84	28.78
		For >50 To 100, Deduct	*-48.83*	
		For >100, Deduct	*-74.97*	
10 51 26 00-0024	EA	18" x 12" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	525.32	28.78
		For >50 To 100, Deduct	*-46.78*	
		For >100, Deduct	*-71.89*	
10 51 26 00-0025	EA	18" x 15" x 60" Single Tier Solid Plastic Locker (Tufftec Lockers®)	552.28	28.78
		For >50 To 100, Deduct	*-49.47*	
		For >100, Deduct	*-75.93*	
10 51 26 00-0026	EA	12" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	530.08	29.71
		For >50 To 100, Deduct	*-47.07*	
		For >100, Deduct	*-72.38*	
10 51 26 00-0027	EA	12" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	557.06	29.71
		For >50 To 100, Deduct	*-49.76*	
		For >100, Deduct	*-76.43*	
10 51 26 00-0028	EA	12" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	584.00	29.71
		For >50 To 100, Deduct	*-52.46*	
		For >100, Deduct	*-80.47*	
10 51 26 00-0029	EA	15" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	565.09	29.71
		For >50 To 100, Deduct	*-50.57*	
		For >100, Deduct	*-77.63*	
10 51 26 00-0030	EA	15" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	593.54	29.71
		For >50 To 100, Deduct	*-53.41*	
		For >100, Deduct	*-81.90*	
10 51 26 00-0031	EA	15" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	621.96	29.71
		For >50 To 100, Deduct	*-56.25*	
		For >100, Deduct	*-86.16*	
10 51 26 00-0032	EA	18" x 12" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	593.00	29.71
		For >50 To 100, Deduct	*-53.36*	
		For >100, Deduct	*-81.82*	
10 51 26 00-0033	EA	18" x 15" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	629.99	29.71
		For >50 To 100, Deduct	*-57.06*	
		For >100, Deduct	*-87.37*	
10 51 26 00-0034	EA	18" x 18" x 72" Single Tier Solid Plastic Locker (Tufftec Lockers®)	659.87	29.71
		For >50 To 100, Deduct	*-60.04*	
		For >100, Deduct	*-91.85*	

10 51 26 00-0035 Double Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0036	EA	12" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	476.98	29.71
		For >50 To 100, Deduct	*-41.76*	
		For >100, Deduct	*-64.42*	
10 51 26 00-0037	EA	12" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	484.01	29.71
		For >50 To 100, Deduct	*-42.46*	
		For >100, Deduct	*-65.47*	
10 51 26 00-0038	EA	12" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	494.56	29.71
		For >50 To 100, Deduct	*-43.51*	
		For >100, Deduct	*-67.05*	
10 51 26 00-0039	EA	15" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	491.05	29.71
		For >50 To 100, Deduct	*-43.16*	
		For >100, Deduct	*-66.53*	
10 51 26 00-0040	EA	15" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	509.82	29.71
		For >50 To 100, Deduct	*-45.04*	
		For >100, Deduct	*-69.34*	
10 51 26 00-0041	EA	15" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	554.38	29.71
		For >50 To 100, Deduct	*-49.50*	
		For >100, Deduct	*-76.03*	
10 51 26 00-0042	EA	18" x 12" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	495.75	29.71
		For >50 To 100, Deduct	*-43.63*	
		For >100, Deduct	*-67.23*	
10 51 26 00-0043	EA	18" x 15" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	518.45	29.71
		For >50 To 100, Deduct	*-45.90*	
		For >100, Deduct	*-70.64*	
10 51 26 00-0044	EA	18" x 18" x 48" Double Tier Solid Plastic Locker (Tufftec Lockers®)	559.08	29.71
		For >50 To 100, Deduct	*-49.97*	
		For >100, Deduct	*-76.73*	
10 51 26 00-0045	EA	12" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	493.12	29.71
		For >50 To 100, Deduct	*-43.37*	
		For >100, Deduct	*-66.84*	
10 51 26 00-0046	EA	12" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	529.86	29.71
		For >50 To 100, Deduct	*-47.04*	
		For >100, Deduct	*-72.35*	
10 51 26 00-0047	EA	12" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	540.36	29.71
		For >50 To 100, Deduct	*-48.09*	
		For >100, Deduct	*-73.92*	
10 51 26 00-0048	EA	15" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	536.00	29.71
		For >50 To 100, Deduct	*-47.66*	
		For >100, Deduct	*-73.27*	
10 51 26 00-0049	EA	15" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	560.35	29.71
		For >50 To 100, Deduct	*-50.09*	
		For >100, Deduct	*-76.92*	
10 51 26 00-0050	EA	18" x 12" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	565.11	29.71
		For >50 To 100, Deduct	*-50.57*	
		For >100, Deduct	*-77.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0051	EA	18" x 15" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	590.85	29.71
		For >50 To 100, Deduct	*-53.14*	
		For >100, Deduct	*-81.50*	
10 51 26 00-0052	EA	18" x 18" x 60" Double Tier Solid Plastic Locker (Tufftec Lockers®)	616.59	29.71
		For >50 To 100, Deduct	*-55.72*	
		For >100, Deduct	*-85.36*	
10 51 26 00-0053	EA	12" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	569.74	30.64
		For >50 To 100, Deduct	*-50.85*	
		For >100, Deduct	*-78.11*	
10 51 26 00-0054	EA	12" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	595.48	30.64
		For >50 To 100, Deduct	*-53.42*	
		For >100, Deduct	*-81.97*	
10 51 26 00-0055	EA	12" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	608.90	30.64
		For >50 To 100, Deduct	*-54.76*	
		For >100, Deduct	*-83.98*	
10 51 26 00-0056	EA	15" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	603.16	30.64
		For >50 To 100, Deduct	*-54.19*	
		For >100, Deduct	*-83.12*	
10 51 26 00-0057	EA	15" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	630.31	30.64
		For >50 To 100, Deduct	*-56.90*	
		For >100, Deduct	*-87.19*	
10 51 26 00-0058	EA	15" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	657.45	30.64
		For >50 To 100, Deduct	*-59.62*	
		For >100, Deduct	*-91.26*	
10 51 26 00-0059	EA	18" x 12" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	608.02	30.64
		For >50 To 100, Deduct	*-54.67*	
		For >100, Deduct	*-83.85*	
10 51 26 00-0060	EA	18" x 15" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	665.11	30.64
		For >50 To 100, Deduct	*-60.38*	
		For >100, Deduct	*-92.41*	
10 51 26 00-0061	EA	18" x 18" x 72" Double Tier Solid Plastic Locker (Tufftec Lockers®)	693.63	30.64
		For >50 To 100, Deduct	*-63.23*	
		For >100, Deduct	*-96.69*	

10 51 26 00-0062 Triple Tier Solid Plastic Lockers *(10 51 26 00-0001)*

Note: Includes one double hook per tier.

10 51 26 00-0063	EA	12" x 12" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	470.04	30.64
		For >50 To 100, Deduct	*-40.88*	
		For >100, Deduct	*-63.15*	
10 51 26 00-0064	EA	15" x 15" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	489.35	30.64
		For >50 To 100, Deduct	*-42.81*	
		For >100, Deduct	*-66.05*	
10 51 26 00-0065	EA	15" x 18" x 48" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	507.06	30.64
		For >50 To 100, Deduct	*-44.58*	
		For >100, Deduct	*-68.70*	
10 51 26 00-0066	EA	12" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	510.50	30.64
		For >50 To 100, Deduct	*-44.92*	
		For >100, Deduct	*-69.22*	
10 51 26 00-0067	EA	12" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	551.77	30.64
		For >50 To 100, Deduct	*-49.05*	
		For >100, Deduct	*-75.41*	
10 51 26 00-0068	EA	12" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	551.96	30.64
		For >50 To 100, Deduct	*-49.07*	
		For >100, Deduct	*-75.44*	
10 51 26 00-0069	EA	15" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	574.48	30.64
		For >50 To 100, Deduct	*-51.32*	
		For >100, Deduct	*-78.82*	
10 51 26 00-0070	EA	15" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	597.10	30.64
		For >50 To 100, Deduct	*-53.58*	
		For >100, Deduct	*-82.21*	
10 51 26 00-0071	EA	15" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	619.70	30.64
		For >50 To 100, Deduct	*-55.84*	
		For >100, Deduct	*-85.60*	
10 51 26 00-0072	EA	18" x 12" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	601.53	30.64
		For >50 To 100, Deduct	*-54.02*	
		For >100, Deduct	*-82.87*	
10 51 26 00-0073	EA	18" x 15" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	625.43	30.64
		For >50 To 100, Deduct	*-56.41*	
		For >100, Deduct	*-86.46*	
10 51 26 00-0074	EA	18" x 18" x 60" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	649.32	30.64
		For >50 To 100, Deduct	*-58.80*	
		For >100, Deduct	*-90.04*	
10 51 26 00-0075	EA	12" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	605.94	31.58
		For >50 To 100, Deduct	*-54.28*	
		For >100, Deduct	*-83.31*	
10 51 26 00-0076	EA	12" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	629.86	31.58
		For >50 To 100, Deduct	*-56.67*	
		For >100, Deduct	*-86.90*	
10 51 26 00-0077	EA	12" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	646.64	31.58
		For >50 To 100, Deduct	*-58.35*	
		For >100, Deduct	*-89.42*	
10 51 26 00-0078	EA	15" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	636.97	31.58
		For >50 To 100, Deduct	*-57.38*	
		For >100, Deduct	*-87.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0079	EA	15" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	644.55	31.58
		For >50 To 100, Deduct	*-58.14*	
		For >100, Deduct	*-89.11*	
10 51 26 00-0080	EA	15" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	671.87	31.58
		For >50 To 100, Deduct	*-60.87*	
		For >100, Deduct	*-93.20*	
10 51 26 00-0081	EA	18" x 12" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	626.12	31.58
		For >50 To 100, Deduct	*-56.30*	
		For >100, Deduct	*-86.34*	
10 51 26 00-0082	EA	18" x 15" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	681.66	31.58
		For >50 To 100, Deduct	*-61.85*	
		For >100, Deduct	*-94.67*	
10 51 26 00-0083	EA	18" x 18" x 72" Triple Tier Solid Plastic Locker (Tufftec Lockers®)	720.98	31.58
		For >50 To 100, Deduct	*-65.78*	
		For >100, Deduct	*-100.57*	

10 51 26 00-0084 Four Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0085	EA	12" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	545.19	31.58
		For >50 To 100, Deduct	*-48.21*	
		For >100, Deduct	*-74.20*	
10 51 26 00-0086	EA	12" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	560.87	31.58
		For >50 To 100, Deduct	*-49.77*	
		For >100, Deduct	*-76.55*	
10 51 26 00-0087	EA	12" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	589.77	31.58
		For >50 To 100, Deduct	*-52.66*	
		For >100, Deduct	*-80.89*	
10 51 26 00-0088	EA	15" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	586.24	31.58
		For >50 To 100, Deduct	*-52.31*	
		For >100, Deduct	*-80.36*	
10 51 26 00-0089	EA	15" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	623.68	31.58
		For >50 To 100, Deduct	*-56.05*	
		For >100, Deduct	*-85.98*	
10 51 26 00-0090	EA	15" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	635.50	31.58
		For >50 To 100, Deduct	*-57.24*	
		For >100, Deduct	*-87.75*	
10 51 26 00-0091	EA	18" x 12" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	629.63	31.58
		For >50 To 100, Deduct	*-56.65*	
		For >100, Deduct	*-86.87*	
10 51 26 00-0092	EA	18" x 15" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	649.57	31.58
		For >50 To 100, Deduct	*-58.64*	
		For >100, Deduct	*-89.86*	
10 51 26 00-0093	EA	18" x 18" x 60" Four Tier Solid Plastic Locker (Tufftec Lockers®)	707.05	31.58
		For >50 To 100, Deduct	*-64.39*	
		For >100, Deduct	*-98.48*	
10 51 26 00-0094	EA	12" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	626.75	32.50
		For >50 To 100, Deduct	*-56.18*	
		For >100, Deduct	*-86.21*	
10 51 26 00-0095	EA	12" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	654.54	32.50
		For >50 To 100, Deduct	*-58.95*	
		For >100, Deduct	*-90.38*	
10 51 26 00-0096	EA	12" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	658.16	32.50
		For >50 To 100, Deduct	*-59.32*	
		For >100, Deduct	*-90.92*	
10 51 26 00-0097	EA	15" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	693.19	32.50
		For >50 To 100, Deduct	*-62.82*	
		For >100, Deduct	*-96.18*	
10 51 26 00-0098	EA	15" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	660.78	32.50
		For >50 To 100, Deduct	*-59.58*	
		For >100, Deduct	*-91.32*	
10 51 26 00-0099	EA	15" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	690.14	32.50
		For >50 To 100, Deduct	*-62.51*	
		For >100, Deduct	*-95.72*	
10 51 26 00-0100	EA	18" x 12" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	659.66	32.50
		For >50 To 100, Deduct	*-59.47*	
		For >100, Deduct	*-91.15*	
10 51 26 00-0101	EA	18" x 15" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	694.84	32.50
		For >50 To 100, Deduct	*-62.98*	
		For >100, Deduct	*-96.43*	
10 51 26 00-0102	EA	18" x 18" x 72" Four Tier Solid Plastic Locker (Tufftec Lockers®)	747.56	32.50
		For >50 To 100, Deduct	*-68.26*	
		For >100, Deduct	*-104.33*	

10 51 26 00-0103 Five Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0104	EA	12" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	592.38	32.04
		For >50 To 100, Deduct	*-52.83*	
		For >100, Deduct	*-81.17*	
10 51 26 00-0105	EA	12" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	611.79	32.04
		For >50 To 100, Deduct	*-54.77*	
		For >100, Deduct	*-84.08*	
10 51 26 00-0106	EA	12" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	631.20	32.04
		For >50 To 100, Deduct	*-56.71*	
		For >100, Deduct	*-86.99*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0107	EA	15" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	618.84	32.04
		For >50 To 100, Deduct	*-55.48*	
		For >100, Deduct	*-85.14*	
10 51 26 00-0108	EA	15" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	653.61	32.04
		For >50 To 100, Deduct	*-58.95*	
		For >100, Deduct	*-90.35*	
10 51 26 00-0109	EA	15" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	670.44	32.04
		For >50 To 100, Deduct	*-60.64*	
		For >100, Deduct	*-92.88*	
10 51 26 00-0110	EA	18" x 12" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	664.58	32.04
		For >50 To 100, Deduct	*-60.05*	
		For >100, Deduct	*-92.00*	
10 51 26 00-0111	EA	18" x 15" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	683.35	32.04
		For >50 To 100, Deduct	*-61.93*	
		For >100, Deduct	*-94.81*	
10 51 26 00-0112	EA	18" x 18" x 60" Five Tier Solid Plastic Locker (Tufftec Lockers®)	744.34	32.04
		For >50 To 100, Deduct	*-68.03*	
		For >100, Deduct	*-103.96*	
10 51 26 00-0113	EA	12" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	645.79	32.97
		For >50 To 100, Deduct	*-57.99*	
		For >100, Deduct	*-88.96*	
10 51 26 00-0114	EA	12" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	667.56	32.97
		For >50 To 100, Deduct	*-60.16*	
		For >100, Deduct	*-92.22*	
10 51 26 00-0115	EA	12" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	689.31	32.97
		For >50 To 100, Deduct	*-62.34*	
		For >100, Deduct	*-95.48*	
10 51 26 00-0116	EA	15" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	681.70	32.97
		For >50 To 100, Deduct	*-61.58*	
		For >100, Deduct	*-94.34*	
10 51 26 00-0117	EA	15" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	697.00	32.97
		For >50 To 100, Deduct	*-63.11*	
		For >100, Deduct	*-96.64*	
10 51 26 00-0118	EA	15" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	719.93	32.97
		For >50 To 100, Deduct	*-65.40*	
		For >100, Deduct	*-100.08*	
10 51 26 00-0119	EA	18" x 12" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	702.31	32.97
		For >50 To 100, Deduct	*-63.64*	
		For >100, Deduct	*-97.43*	
10 51 26 00-0120	EA	18" x 15" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	728.60	32.97
		For >50 To 100, Deduct	*-66.27*	
		For >100, Deduct	*-101.38*	
10 51 26 00-0121	EA	18" x 18" x 72" Five Tier Solid Plastic Locker (Tufftec Lockers®)	759.10	32.97
		For >50 To 100, Deduct	*-69.32*	
		For >100, Deduct	*-105.95*	

10 51 26 00-0122 Six Tier Solid Plastic Lockers *(10 51 26 00-0001)*

10 51 26 00-0123	EA	15" x 12" x 60" Six Tier Solid Plastic Locker (Tufftec Lockers®)	682.02	32.50
		For >50 To 100, Deduct	*-61.70*	
		For >100, Deduct	*-94.50*	
10 51 26 00-0124	EA	12" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	669.69	33.43
		For >50 To 100, Deduct	*-60.28*	
		For >100, Deduct	*-92.43*	
10 51 26 00-0125	EA	12" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	691.43	33.43
		For >50 To 100, Deduct	*-62.46*	
		For >100, Deduct	*-95.69*	
10 51 26 00-0126	EA	12" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	705.93	33.43
		For >50 To 100, Deduct	*-63.91*	
		For >100, Deduct	*-97.87*	
10 51 26 00-0127	EA	15" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	734.91	33.43
		For >50 To 100, Deduct	*-66.81*	
		For >100, Deduct	*-102.21*	
10 51 26 00-0128	EA	15" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	743.38	33.43
		For >50 To 100, Deduct	*-67.65*	
		For >100, Deduct	*-103.48*	
10 51 26 00-0129	EA	15" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	749.42	33.43
		For >50 To 100, Deduct	*-68.26*	
		For >100, Deduct	*-104.39*	
10 51 26 00-0130	EA	18" x 12" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	751.82	33.43
		For >50 To 100, Deduct	*-68.50*	
		For >100, Deduct	*-104.75*	
10 51 26 00-0131	EA	18" x 15" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	778.40	33.43
		For >50 To 100, Deduct	*-71.15*	
		For >100, Deduct	*-108.74*	
10 51 26 00-0132	EA	18" x 18" x 72" Six Tier Solid Plastic Locker (Tufftec Lockers®)	813.44	33.43
		For >50 To 100, Deduct	*-74.66*	
		For >100, Deduct	*-113.99*	

10 51 26 00-0133 Solid Plastic Locker Accessories *(10 51 26 00-0001)*

10 51 26 00-0134 Slope Tops For Solid Plastic Lockers *(10 51 26 00-0133)*

Note: Price per frame.

10 51 26 00-0135	EA	Slope Top For Solid Plastic Lockers (Tufftec Lockers®)	32.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 51 26 00-0136		**Recessed Bases For Solid Plastic Lockers** *(10 51 26 00-0133)* Note: Price per frame.		
10 51 26 00-0137	EA	Recessed Base For Solid Plastic Lockers (Tufftec Lockers®)	35.66	
10 51 26 00-0138		**End Panels For Solid Plastic Lockers** *(10 51 26 00-0133)* Note: Price per frame.		
10 51 26 00-0139	EA	End Panel For Solid Plastic Lockers (Tufftec Lockers®)	81.15	
10 51 26 00-0140		**Venting Options For Solid Plastic Locker Doors** *(10 51 26 00-0133)* Note: Price per frame.		
10 51 26 00-0141	EA	Horizontal Venting Option For Solid Plastic Locker Doors	31.37	
10 51 26 00-0142		**Filler Panels For Solid Plastic Lockers** *(10 51 26 00-0133)*		
10 51 26 00-0143	EA	Up To 6" Width, Filler Panel For Solid Plastic Lockers (Tufftec Lockers®) Note: Full locker height. Width and height cut to size in the field.	85.95	
10 51 26 00-0144		**Locker Accessories For Solid Plastic Lockers** *(10 51 26 00-0133)*		
10 51 26 00-0145	EA	Built In Hasp For Solid Plastic Lockers Note: For removable padlocks. Excludes padlock.	7.84	
10 51 26 00-0146	EA	Built In Combination Lock For Solid Plastic Lockers	23.53	
10 51 26 00-0147	EA	Built In Key Lock For Solid Plastic Lockers	31.37	
10 51 53		**Locker Room Benches** *(10 51)*		
10 51 53 00-0001	LF	Hardwood Bench With Aluminum Pedestals	93.16	4.65
10 51 53 00-0002	LF	Hardwood Bench With Painted Steel Pedestals	74.15	4.65
10 51 53 00-0003	LF	Plastic Laminated Bench With Steel Pedestals	113.81	4.65
10 51 53 00-0004	LF	Solid Plastic Bench With Steel Pedestals	108.72	4.65
10 51 53 00-0005	LF	Aluminum Bench With Aluminum Pedestals	84.24	4.65

10 55 Postal Specialties *(10 50)*

10 55 23		**Mail Boxes** *(10 55)*		
10 55 23 23		**Residential Mail Boxes** *(10 55 23)*		
10 55 23 23-0001		**Residential Mail Boxes** *(10 55 23 23)*		
10 55 23 23-0002	EA	13" x 3-9/16" Satin Aluminum (Aluminum Body) Letter Slot With Interior Plate	80.67	10.45
		For Stainless Steel Sleeve, Add	*15.14*	
10 55 23 23-0003	EA	13" x 3-9/16" Bright Brass (Brass Body) Letter Slot With Interior Plate	104.12	10.45
		For Stainless Steel Sleeve, Add	*15.14*	
10 55 23 23-0004	EA	Aluminum Or Galvanized Wall Mounted Mailbox	63.37	9.29
10 55 23 23-0005	EA	20" x 8-3/4" x 6-7/8" Galvanized Steel Residential Rural Mailbox With 1-1/2" Post	96.60	11.61
10 55 23 26		**Commercial Mail Boxes** *(10 55 23)*		
10 55 23 26-0001		**Commercial Letter Boxes** *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0002	EA	15" Wide x 19" High x 7-1/2" Deep, US Postal Service Approved, Surface Mount, Aluminum Letter Box (Salsbury 2240AU)	264.73	13.93
10 55 23 26-0003	EA	15" Wide x 19" High x 6-3/4" Deep, Private Use/Access, Recessed Mount, Aluminum Letter Box (Salsbury 2245AP)	305.34	13.93
10 55 23 26-0004		**Commercial Horizontal Mail Boxes** *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service.		
10 55 23 26-0005	BOX	5-1/2" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	56.27	13.93
10 55 23 26-0006	BOX	10-3/4" Wide x 5-1/2" High x 15-1/2" Deep, Private Use/Access, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	117.74	18.57
10 55 23 26-0007	BOX	6-3/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	71.35	11.61
10 55 23 26-0008	BOX	12-7/8" Wide x 5" High x 17" Deep, US Postal Service Approved, Wall Mount, Aluminum Horizontal Mail Boxes, Per Box	111.08	18.57
10 55 23 26-0009		**Commercial Cluster Mail Boxes** *(10 55 23 26)* Note: Includes locks and keys unless provided by the United States Postal Service. Includes pedestal. Excludes concrete foundation.		
10 55 23 26-0010	EA	13-15/16 Wide" x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H8MNDCBU5) Note: Any door combination.	1,344.97	27.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 55 23 26-0011	EA	26-15/16" Wide x 24-1/8" High x 15" Deep, Pedestal Mount, Aluminum (NDCBU) Neighborhood Delivery And Collection Mail Box (National Mailboxes H16MNDCBU8) Note: Any door combination.	1,595.01	37.14
10 55 23 26-0012	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 8 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-8)	2,198.73	37.14
10 55 23 26-0013	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 12 Tenant Doors, 1 Parcel Locker, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-12)	2,266.41	37.14
10 55 23 26-0014	EA	30-1/2" Wide x 62" High x 17-7/8" Deep, 16 Tenant Doors, 2 Parcel Lockers, Pedestal Mount, Aluminum And Stainless Steel Construction, (CBU) Cluster Mail Box (AF Florence Vital 1570-16)	2,367.92	37.14

10 55 23 26-0015 Commercial 4C Mail Boxes *(10 55 23 26)*

Note: Includes locks and keys unless provided by the United States Postal Service.

10 55 23 26-0016	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 9 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11S-09)	1,230.94	37.14
10 55 23 26-0017	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 15 Doors, 1 Parcel Locker, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-15)	2,147.57	37.14
10 55 23 26-0018	EA	31-9/16" Wide x 40-3/4" High x 17" Deep, 19 Doors, Recessed Wall Mount, Aluminum 4C Mail Box (AF Florence 4C11D-19)	2,228.78	37.14

10 55 26 Parcel Lockers *(10 55)*

10 55 26 00-0001 Parcel Lockers *(10 55 26)*

10 55 26 00-0002	EA	24" x 14" x 15" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,001.63	27.86
10 55 26 00-0003	EA	48" x 16" x 18" Deep, Aluminum Pedestal Mounted Parcel Locker Note: Two compartments.	1,192.33	37.14

10 56 Storage Assemblies *(10 50)*

10 56 13 Metal Storage Shelving *(10 56)*

10 56 13 16 Post-And-Shelf Metal Storage Shelving *(10 56 13)*

10 56 13 16-0001 Baked Enamel Steel Shelving *(10 56 13 16)*

10 56 13 16-0002 7 Shelf Unit, 72" Or 87" High, Full Unit, Open Type *(10 56 13 16-0001)*

10 56 13 16-0003	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 10" Wide Shelf	106.55	19.03
		For >75" To 87" High, Add	*8.97*	
10 56 13 16-0004	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 12" Wide Shelf	107.23	19.99
		For >75" To 87" High, Add	*8.94*	
10 56 13 16-0005	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 15" Wide Shelf	104.13	21.89
		For >75" To 87" High, Add	*8.48*	
10 56 13 16-0006	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 18" Wide Shelf	130.43	23.79
		For >75" To 87" High, Add	*10.98*	
10 56 13 16-0007	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 24" Wide Shelf	145.72	24.74
		For >75" To 87" High, Add	*12.37*	
10 56 13 16-0008	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 30" Wide Shelf	141.45	26.65
		For >75" To 87" High, Add	*11.81*	
10 56 13 16-0009	LF	75" High Baked Enamel Steel Storage Shelving 7 Shelf, Open With 36" Wide Shelf	156.61	28.55
		For >75" To 87" High, Add	*13.18*	

10 56 13 16-0010 3 Shelf Unit, 32" High Base Unit Only, Fully Enclosed *(10 56 13 16-0001)*

Note: Adjustable shelves.

10 56 13 16-0011	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 10" Wide Shelf	74.78	9.71
10 56 13 16-0012	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 12" Wide Shelf	74.30	10.38
10 56 13 16-0013	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 15" Wide Shelf	83.19	11.04
10 56 13 16-0014	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 18" Wide Shelf	86.62	11.71
10 56 13 16-0015	LF	32" High Baked Enamel Steel Storage Shelving 3 Shelf, Enclosed With 24" Wide Shelf	99.39	12.47

10 56 13 16-0016 4 Shelf Unit, 40" High Unit *(10 56 13 16-0001)*

10 56 13 16-0017	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 10" Wide Shelf	88.96	19.03
10 56 13 16-0018	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 12" Wide Shelf	74.02	19.99
10 56 13 16-0019	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 15" Wide Shelf	84.51	21.89
10 56 13 16-0020	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 18" Wide Shelf	89.11	23.79
10 56 13 16-0021	LF	40" High Baked Enamel Steel Storage Shelving 4 Shelf, Enclosed With 24" Wide Shelf	101.23	24.74

10 56 16 Fabricated Wood Storage Shelving *(10 56)*

10 56 16 00-0001 Shelving *(10 56 16)*

10 56 16 00-0002 Built-In Wood Shelving *(10 56 16 00-0001)*

Note: Priced by shelf area. Includes hardware and trim.

10 56 16 00-0003	SF	Built-in Wood Storage Shelving Post And Trimmed Plywood	18.65	2.34
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	
10 56 16 00-0004	SF	Built-in Wood Storage Shelving Post And Solid Clear Pine	20.09	2.81
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 16 00-0005	SF	Built-in Wood Storage Shelving Closet Shelf Of Pine With Rod	20.37	4.69
		For Each SF Of Lumber Edge Band, Add	*0.69*	
		For Each SF Of Prefinished Shelves, Add	*2.32*	

10 56 16 00-0006 Wood Shelving, White Pine, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0007	LF	1" x 8" White Pine Clear Grade Wood Shelving	15.32	5.63
10 56 16 00-0008	LF	1" x 10" White Pine Clear Grade Wood Shelving	16.88	6.01
10 56 16 00-0009	LF	1" x 12" White Pine Clear Grade Wood Shelving	18.62	6.48
10 56 16 00-0010	SF	Wood Shelving, 2" White Pine Clear Grade	24.46	

10 56 16 00-0011 Plywood Shelf With Edge Band *(10 56 16 00-0001)*

10 56 16 00-0012	LF	12" Wide, 3/4" Plywood Shelf With Edge Band	19.04	5.63
10 56 16 00-0013	LF	24" Wide, 3/4" Plywood Shelf With Edge Band	30.14	7.04

10 56 16 00-0014 Adjustable Shelf And Rod *(10 56 16 00-0001)*

10 56 16 00-0015	EA	12" Wide Adjustable Shelf, 3' To 6' Long Note: Including Rod	176.16	21.11
10 56 16 00-0016	EA	12" Wide Adjustable Shelf, 5' To 8' Long Note: Including Rod	206.99	28.14

10 56 16 00-0017 Prefinished Wood Shelves With Brackets And Supports *(10 56 16 00-0001)*

10 56 16 00-0018	LF	Prefinished Wood Shelves, 8" Wide, With Brackets And Supports	16.31	5.63
10 56 16 00-0019	LF	Prefinished Wood Shelves, 10" Wide, With Brackets And Supports	17.78	6.01
10 56 16 00-0020	SF	Adjustable 3/4" Plastic Laminated Wood Shelves, Recessed Metal Standards	57.33	9.38

10 56 16 00-0021 Wood Shelving, Oak, Clear Grade, Wall Mounted *(10 56 16 00-0001)*

10 56 16 00-0022	LF	Wood Shelving, 1" X 8" Oak Clear Grade	18.62	8.82

10 56 17 Wall-Mounted Standards and Shelving *(10 56)*

10 56 17 00-0001 Galvanized Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0002	LF	8" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	60.74	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0003	LF	10" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	62.78	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0004	LF	12" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	67.50	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0005	LF	16" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	73.60	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0006	LF	18" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	75.11	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0007	LF	24" Depth, 18 Gauge Galvanized Steel, Wall Mounted Solid Shelving	88.17	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	

10 56 17 00-0008 304 Stainless Steel, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0009	LF	8" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	97.78	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0010	LF	10" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	107.03	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0011	LF	12" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	116.32	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0012	LF	16" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	137.67	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0013	LF	18" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	150.31	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0014	LF	24" Depth, 18 Gauge 304 Stainless Steel, Wall Mounted Solid Shelving	168.57	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	

10 56 17 00-0015 Laminated Particleboard, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 56 17 00-0016	LF	8" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	41.51	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0017	LF	10" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	42.89	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0018	LF	12" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	44.56	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0019	LF	16" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	46.97	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0020	LF	18" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	49.90	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0021	LF	24" Depth, Laminated Particleboard, Wall Mounted Solid Shelving	57.77	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	

10 56 17 00-0022 Chrome Plated Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0023	LF	14" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	59.45	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0024	LF	18" Depth, Chrome Plated Steel, Wall Mounted Wire Shelving	66.57	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	

10 56 17 00-0025 Stainless Steel, Wall Mounted Wire Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0026	LF	14" Depth, Stainless Steel, Wall Mounted Wire Shelving	136.80	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	
10 56 17 00-0027	LF	18" Depth, Stainless Steel, Wall Mounted Wire Shelving	142.25	9.28
		For Installation On Concrete Walls, Add	*2.87*	
		For Installation On Concrete Block Walls, Add	*4.17*	

10 56 17 00-0028 Prefinished Hardwood Plywood, Wall Mounted Solid Shelving *(10 56 17)*

Note: Price per shelf. Includes single shelf, standards, brackets and mounting hardware. Excludes blocking.

10 56 17 00-0029	LF	8" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	44.42	9.28
		For Installation On Concrete Walls, Add	*3.88*	
		For Installation On Concrete Block Walls, Add	*5.18*	
10 56 17 00-0030	LF	10" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	45.41	9.28
		For Installation On Concrete Walls, Add	*3.91*	
		For Installation On Concrete Block Walls, Add	*5.21*	
10 56 17 00-0031	LF	12" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	46.06	9.28
		For Installation On Concrete Walls, Add	*3.93*	
		For Installation On Concrete Block Walls, Add	*5.23*	
10 56 17 00-0032	LF	16" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	48.36	9.28
		For Installation On Concrete Walls, Add	*3.97*	
		For Installation On Concrete Block Walls, Add	*5.27*	
10 56 17 00-0033	LF	18" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	49.53	9.28
		For Installation On Concrete Walls, Add	*4.00*	
		For Installation On Concrete Block Walls, Add	*5.30*	
10 56 17 00-0034	LF	24" Depth, Prefinished Hardwood Plywood, Wall Mounted Solid Shelving	53.05	9.28
		For Installation On Concrete Walls, Add	*4.06*	
		For Installation On Concrete Block Walls, Add	*5.36*	

10 56 17 00-0035 Wall Mounted Shelving Accessories *(10 56 17)*

10 56 17 00-0036	LF	Removal And Reinstallation Of Single Shelf Metal Storage Shelving Unit	31.16	

10 57 Wardrobe And Closet Specialties *(10 50)*

10 57 13 Hat And Coat Racks *(10 57)*

10 57 13 00-0001 Hat And Coat Rack *(10 57 13)*

10 57 13 00-0002 Single Tier *(10 57 13 00-0001)*

10 57 13 00-0003	LF	Single Tier Hat And Coat Rack Baked Enameled Steel	49.75	4.65
		For Custom Made Units, Add	*22.47*	
10 57 13 00-0004	LF	Single Tier Hat And Coat Rack Stainless Steel	37.86	4.65
		For Custom Made Units, Add	*15.33*	
10 57 13 00-0005	LF	Single Tier Hat And Coat Rack Aluminum	90.15	4.65
		For Custom Made Units, Add	*46.71*	

10 57 13 00-0006 Double Tier *(10 57 13 00-0001)*

10 57 13 00-0007	LF	Double Tier Hat And Coat Rack Baked Enameled Steel	66.39	4.65
		For Custom Made Units, Add	*30.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 57 13 00-0008	LF	Double Tier Hat And Coat Rack Stainless Steel	42.84	4.65
		For Custom Made Units, Add	*16.58*	
10 57 13 00-0009	LF	Double Tier Hat And Coat Rack Aluminum	152.02	4.65
		For Custom Made Units, Add	*82.08*	

10 57 43 Wardrobe Units *(10 57)*

10 57 43 00-0001 Dormitory Wardrobe Units *(10 57 43)*

10 57 43 00-0002	EA	24" x 24" x 68" Hardwood Veneer Dormitory Wardrobe Unit With Door	1,425.21	171.97
		For Custom Made Units, Add	*734.75*	
10 57 43 00-0003	EA	24" x 24" x 68" Plastic Laminate Dormitory Wardrobe Unit With Door	1,107.60	171.97
		For Custom Made Units, Add	*544.19*	

10 70 Exterior Specialties *(10)*

10 71 Exterior Protection *(10 70)*

10 71 13 Exterior Sun Control Devices *(10 71)*

10 71 13 13 Exterior Shutters *(10 71 13)*

10 71 13 13-0001 Exterior Shutters, High Impact Resistant Plastic, Unfinished *(10 71 13 13)*

10 71 13 13-0002 Louvered Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0003	PR	15" x 25" Louvered Shutter, High Impact Resistant Plastic	81.72	28.09
		For Colored Finish, Add	*7.97*	
10 71 13 13-0004	PR	15" x 31" Louvered Shutter, High Impact Resistant Plastic	88.35	29.50
		For Colored Finish, Add	*8.82*	
10 71 13 13-0005	PR	15" x 36" Louvered Shutter, High Impact Resistant Plastic	95.02	30.91
		For Colored Finish, Add	*9.69*	
10 71 13 13-0006	PR	15" x 39" Louvered Shutter, High Impact Resistant Plastic	101.13	32.31
		For Colored Finish, Add	*10.45*	
10 71 13 13-0007	PR	15" x 43" Louvered Shutter, High Impact Resistant Plastic	108.00	33.72
		For Colored Finish, Add	*11.35*	
10 71 13 13-0008	PR	15" x 48" Louvered Shutter, High Impact Resistant Plastic	115.15	35.13
		For Colored Finish, Add	*12.30*	
10 71 13 13-0009	PR	15" x 52" Louvered Shutter, High Impact Resistant Plastic	120.13	36.53
		For Colored Finish, Add	*12.86*	
10 71 13 13-0010	PR	15" x 55" Louvered Shutter, High Impact Resistant Plastic	125.62	37.93
		For Colored Finish, Add	*13.51*	
10 71 13 13-0011	PR	15" x 60" Louvered Shutter, High Impact Resistant Plastic	132.87	39.33
		For Colored Finish, Add	*14.48*	
10 71 13 13-0012	PR	15" x 64" Louvered Shutter, High Impact Resistant Plastic	142.44	40.74
		For Colored Finish, Add	*15.86*	
10 71 13 13-0013	PR	15" x 67" Louvered Shutter, High Impact Resistant Plastic	147.18	42.15
		For Colored Finish, Add	*16.38*	
10 71 13 13-0014	PR	15" x 72" Louvered Shutter, High Impact Resistant Plastic	159.09	43.55
		For Colored Finish, Add	*18.19*	
10 71 13 13-0015	PR	15" x 75" Louvered Shutter, High Impact Resistant Plastic	163.79	44.96
		For Colored Finish, Add	*18.69*	
10 71 13 13-0016	PR	15" x 80" Louvered Shutter, High Impact Resistant Plastic	172.21	46.37
		For Colored Finish, Add	*19.87*	

10 71 13 13-0017 Raised Panel Decorative Shutters *(10 71 13 13-0001)*

10 71 13 13-0018	PR	15" x 35" Raised Panel Shutter, High Impact Resistant Plastic	112.84	30.91
		For Colored Finish, Add	*12.89*	
10 71 13 13-0019	PR	15" x 39" Raised Panel Shutter, High Impact Resistant Plastic	120.75	32.31
		For Colored Finish, Add	*13.98*	
10 71 13 13-0020	PR	15" x 43" Raised Panel Shutter, High Impact Resistant Plastic	126.07	33.72
		For Colored Finish, Add	*14.60*	
10 71 13 13-0021	PR	15" x 47" Raised Panel Shutter, High Impact Resistant Plastic	134.19	35.13
		For Colored Finish, Add	*15.72*	
10 71 13 13-0022	PR	15" x 51" Raised Panel Shutter, High Impact Resistant Plastic	141.22	36.53
		For Colored Finish, Add	*16.65*	
10 71 13 13-0023	PR	15" x 55" Raised Panel Shutter, High Impact Resistant Plastic	147.85	37.93
		For Colored Finish, Add	*17.51*	
10 71 13 13-0024	PR	15" x 59" Raised Panel Shutter, High Impact Resistant Plastic	156.74	39.33
		For Colored Finish, Add	*18.77*	
10 71 13 13-0025	PR	15" x 63" Raised Panel Shutter, High Impact Resistant Plastic	168.36	40.74
		For Colored Finish, Add	*20.53*	
10 71 13 13-0026	PR	15" x 67" Raised Panel Shutter, High Impact Resistant Plastic	176.60	42.15
		For Colored Finish, Add	*21.67*	
10 71 13 13-0027	PR	15" x 71" Raised Panel Shutter, High Impact Resistant Plastic	185.83	43.55
		For Colored Finish, Add	*23.00*	
10 71 13 13-0028	PR	15" x 75" Raised Panel Shutter, High Impact Resistant Plastic	189.13	44.96
		For Colored Finish, Add	*23.25*	
10 71 13 13-0029	PR	15" x 81" Raised Panel Shutter, High Impact Resistant Plastic	195.88	46.37
		For Colored Finish, Add	*24.13*	

10 71 13 13-0030 Exterior Spanish Cedar Shutters *(10 71 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0031		**12" Width** *(10 71 13 13-0030)*		
10 71 13 13-0032	PR	12" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	379.09	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0033	PR	12" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	409.62	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0034	PR	12" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	438.29	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0035	PR	12" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	468.83	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0036	PR	12" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	497.50	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0037	PR	12" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	530.27	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0038	PR	12" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	558.93	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0039	PR	12" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	587.61	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0040	PR	12" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	618.14	44.96
		For Arched Tops, Add	*150.00*	
10 71 13 13-0041		**14" Width** *(10 71 13 13-0030)*		
10 71 13 13-0042	PR	14" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	401.42	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0043	PR	14" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	436.42	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0044	PR	14" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	469.54	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0045	PR	14" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	504.55	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0046	PR	14" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	537.68	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0047	PR	14" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	572.69	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0048	PR	14" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	605.82	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0049	PR	14" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	636.73	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0050	PR	14" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	671.73	44.96
		For Arched Tops, Add	*150.00*	
10 71 13 13-0051		**16" Width** *(10 71 13 13-0030)*		
10 71 13 13-0052	PR	16" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	425.98	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0053	PR	16" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	463.21	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0054	PR	16" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	500.80	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0055	PR	16" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	538.05	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0056	PR	16" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	575.64	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0057	PR	16" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	615.12	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0058	PR	16" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	650.48	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0059	PR	16" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	688.08	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0060	PR	16" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	727.55	44.96
		For Arched Tops, Add	*150.00*	
10 71 13 13-0061		**18" Width** *(10 71 13 13-0030)*		
10 71 13 13-0062	PR	18" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	448.31	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0063	PR	18" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	490.00	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0064	PR	18" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	532.06	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0065	PR	18" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	573.77	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0066	PR	18" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	613.60	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0067	PR	18" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	657.54	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0068	PR	18" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	697.37	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0069	PR	18" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	739.44	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0070	PR	18" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	781.13	44.96
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0071		**20" Width** *(10 71 13 13-0030)*		
10 71 13 13-0072	PR	20" x 36" Spanish Cedar Raised Panel Or Louvered Shutter	470.63	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0073	PR	20" x 42" Spanish Cedar Raised Panel Or Louvered Shutter	516.80	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0074	PR	20" x 48" Spanish Cedar Raised Panel Or Louvered Shutter	561.09	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0075	PR	20" x 54" Spanish Cedar Raised Panel Or Louvered Shutter	609.50	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0076	PR	20" x 60" Spanish Cedar Raised Panel Or Louvered Shutter	653.79	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0077	PR	20" x 66" Spanish Cedar Raised Panel Or Louvered Shutter	699.96	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0078	PR	20" x 72" Spanish Cedar Raised Panel Or Louvered Shutter	744.26	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0079	PR	20" x 78" Spanish Cedar Raised Panel Or Louvered Shutter	788.56	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0080	PR	20" x 84" Spanish Cedar Raised Panel Or Louvered Shutter	834.72	44.96
		For Arched Tops, Add	*150.00*	
10 71 13 13-0081		**Heavy Duty Exterior True Louver Shutters, Western Red Cedar** *(10 71 13 13)*		
10 71 13 13-0082		**12" Width** *(10 71 13 13-0081)*		
10 71 13 13-0083	PR	12" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	330.85	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0084	PR	12" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	352.24	29.50
		For Arched Tops, Add	*150.00*	
10 71 13 13-0085	PR	12" x 44" Louver Shutter, Heavy Duty Red Cedar	383.42	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0086	PR	12" x 47" Louver Shutter, Heavy Duty Red Cedar	404.82	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0087	PR	12" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	435.99	33.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0088	PR	12" x 56" Louver Shutter, Heavy Duty Red Cedar	467.15	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0089	PR	12" x 59" Louver Shutter, Heavy Duty Red Cedar	488.56	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0090	PR	12" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	519.71	37.93
		For Arched Tops, Add	*150.00*	
10 71 13 13-0091	PR	12" x 68" Louver Shutter, Heavy Duty Red Cedar	550.89	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0092	PR	12" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	582.05	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0093	PR	12" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	603.46	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0094	PR	12" x 80" Louver Shutter, Heavy Duty Red Cedar	634.62	43.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0095	PR	12" x 83" Louver Shutter, Heavy Duty Red Cedar	656.02	44.96
		For Arched Tops, Add	*150.00*	
10 71 13 13-0096		**14" Width** *(10 71 13 13-0081)*		
10 71 13 13-0097	PR	14" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	370.45	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0098	PR	14" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	395.10	29.50
		For Arched Tops, Add	*150.00*	
10 71 13 13-0099	PR	14" x 44" Louver Shutter, Heavy Duty Red Cedar	431.15	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0100	PR	14" x 47" Louver Shutter, Heavy Duty Red Cedar	455.81	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0101	PR	14" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	491.85	33.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0102	PR	14" x 56" Louver Shutter, Heavy Duty Red Cedar	527.91	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0103	PR	14" x 59" Louver Shutter, Heavy Duty Red Cedar	552.56	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0104	PR	14" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	588.61	37.93
		For Arched Tops, Add	*150.00*	
10 71 13 13-0105	PR	14" x 68" Louver Shutter, Heavy Duty Red Cedar	624.66	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0106	PR	14" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	660.71	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0107	PR	14" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	685.37	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0108	PR	14" x 80" Louver Shutter, Heavy Duty Red Cedar	721.42	43.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0109	PR	14" x 83" Louver Shutter, Heavy Duty Red Cedar	746.07	44.96
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0110		**15" Width** *(10 71 13 13-0081)*		
10 71 13 13-0111	PR	15" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	390.25	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0112	PR	15" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	416.53	29.50
		For Arched Tops, Add	*150.00*	
10 71 13 13-0113	PR	15" x 44" Louver Shutter, Heavy Duty Red Cedar	455.02	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0114	PR	15" x 47" Louver Shutter, Heavy Duty Red Cedar	481.30	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0115	PR	15" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	519.79	33.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0116	PR	15" x 56" Louver Shutter, Heavy Duty Red Cedar	558.29	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0117	PR	15" x 59" Louver Shutter, Heavy Duty Red Cedar	584.57	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0118	PR	15" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	623.05	37.93
		For Arched Tops, Add	*150.00*	
10 71 13 13-0119	PR	15" x 68" Louver Shutter, Heavy Duty Red Cedar	661.55	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0120	PR	15" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	700.04	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0121	PR	15" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	726.33	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0122	PR	15" x 80" Louver Shutter, Heavy Duty Red Cedar	764.81	43.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0123	PR	15" x 83" Louver Shutter, Heavy Duty Red Cedar	791.10	44.96
		For Arched Tops, Add	*150.00*	
10 71 13 13-0124		**16" Width** *(10 71 13 13-0081)*		
10 71 13 13-0125	PR	16" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	410.05	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0126	PR	16" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	431.17	29.50
		For Arched Tops, Add	*150.00*	
10 71 13 13-0127	PR	16" x 44" Louver Shutter, Heavy Duty Red Cedar	478.89	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0128	PR	16" x 47" Louver Shutter, Heavy Duty Red Cedar	506.80	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0129	PR	16" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	547.73	33.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0130	PR	16" x 56" Louver Shutter, Heavy Duty Red Cedar	588.66	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0131	PR	16" x 59" Louver Shutter, Heavy Duty Red Cedar	616.57	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0132	PR	16" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	657.50	37.93
		For Arched Tops, Add	*150.00*	
10 71 13 13-0133	PR	16" x 68" Louver Shutter, Heavy Duty Red Cedar	698.44	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0134	PR	16" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	739.37	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0135	PR	16" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	767.28	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0136	PR	16" x 80" Louver Shutter, Heavy Duty Red Cedar	808.21	43.55
		For Arched Tops, Add	*150.00*	
10 71 13 13-0137	PR	16" x 83" Louver Shutter, Heavy Duty Red Cedar	836.12	44.96
		For Arched Tops, Add	*150.00*	
10 71 13 13-0138		**18" Width** *(10 71 13 13-0081)*		
10 71 13 13-0139	PR	18" x 36-1/2" Louver Shutter, Heavy Duty Red Cedar	449.65	28.09
		For Arched Tops, Add	*150.00*	
10 71 13 13-0140	PR	18" x 39-1/2" Louver Shutter, Heavy Duty Red Cedar	480.81	29.50
		For Arched Tops, Add	*150.00*	
10 71 13 13-0141	PR	18" x 44" Louver Shutter, Heavy Duty Red Cedar	526.63	30.91
		For Arched Tops, Add	*150.00*	
10 71 13 13-0142	PR	18" x 47" Louver Shutter, Heavy Duty Red Cedar	557.79	32.31
		For Arched Tops, Add	*150.00*	
10 71 13 13-0143	PR	18" x 51-1/2" Louver Shutter, Heavy Duty Red Cedar	603.60	33.72
		For Arched Tops, Add	*150.00*	
10 71 13 13-0144	PR	18" x 56" Louver Shutter, Heavy Duty Red Cedar	649.42	35.13
		For Arched Tops, Add	*150.00*	
10 71 13 13-0145	PR	18" x 59" Louver Shutter, Heavy Duty Red Cedar	680.58	36.53
		For Arched Tops, Add	*150.00*	
10 71 13 13-0146	PR	18" x 63-1/2" Louver Shutter, Heavy Duty Red Cedar	726.39	37.93
		For Arched Tops, Add	*150.00*	
10 71 13 13-0147	PR	18" x 68" Louver Shutter, Heavy Duty Red Cedar	772.21	39.33
		For Arched Tops, Add	*150.00*	
10 71 13 13-0148	PR	18" x 72-1/2" Louver Shutter, Heavy Duty Red Cedar	818.02	40.74
		For Arched Tops, Add	*150.00*	
10 71 13 13-0149	PR	18" x 75-1/2" Louver Shutter, Heavy Duty Red Cedar	849.20	42.15
		For Arched Tops, Add	*150.00*	
10 71 13 13-0150	PR	18" x 80" Louver Shutter, Heavy Duty Red Cedar	895.01	43.55
		For Arched Tops, Add	*150.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0151	PR	18" x 83" Louver Shutter, Heavy Duty Red Cedar	926.17	44.96
		For Arched Tops, Add	*150.00*	

10 71 13 13-0152 Exterior Cypress Fixed Louver Wood Shutters *(10 71 13 13)*

10 71 13 13-0153 6" Through 8" Width *(10 71 13 13-0152)*

10 71 13 13-0154	PR	6" Thru 8" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	410.20	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0155	PR	6" Thru 8" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	461.01	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0156	PR	6" Thru 8" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	511.96	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0157	PR	6" Thru 8" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	563.76	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0158	PR	6" Thru 8" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	615.59	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0159	PR	6" Thru 8" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	667.41	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0160	PR	6" Thru 8" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	719.22	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0161	PR	6" Thru 8" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	771.04	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0162	PR	6" Thru 8" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	822.88	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0163	PR	6" Thru 8" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	874.67	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0164	PR	6" Thru 8" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	926.50	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0165	PR	6" Thru 8" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	978.32	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0166	PR	6" Thru 8" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,030.15	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0167	PR	6" Thru 8" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,081.98	43.55
		For Arched Tops, Add	*65.00*	

10 71 13 13-0168 10" Through 12" Width *(10 71 13 13-0152)*

10 71 13 13-0169	PR	10" Thru 12" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	476.30	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0170	PR	10" Thru 12" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	535.99	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0171	PR	10" Thru 12" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	595.70	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0172	PR	10" Thru 12" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	656.32	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0173	PR	10" Thru 12" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	716.95	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0174	PR	10" Thru 12" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	777.59	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0175	PR	10" Thru 12" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	838.23	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0176	PR	10" Thru 12" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	898.85	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0177	PR	10" Thru 12" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	959.49	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0178	PR	10" Thru 12" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,020.13	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0179	PR	10" Thru 12" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,080.75	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0180	PR	10" Thru 12" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,141.39	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0181	PR	10" Thru 12" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,202.02	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0182	PR	10" Thru 12" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,262.66	43.55
		For Arched Tops, Add	*65.00*	

10 71 13 13-0183 14" Through 16" Width *(10 71 13 13-0152)*

10 71 13 13-0184	PR	14" Thru 16" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	623.20	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0185	PR	14" Thru 16" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	702.49	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0186	PR	14" Thru 16" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	781.76	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0187	PR	14" Thru 16" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	861.97	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0188	PR	14" Thru 16" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	942.20	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0189	PR	14" Thru 16" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,022.42	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0190	PR	14" Thru 16" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,102.64	33.72
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0191	PR	14" Thru 16" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,182.87	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0192	PR	14" Thru 16" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,184.74	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0193	PR	14" Thru 16" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,343.31	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0194	PR	14" Thru 16" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,423.54	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0195	PR	14" Thru 16" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,503.73	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0196	PR	14" Thru 16" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,583.96	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0197	PR	14" Thru 16" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,664.18	43.55
		For Arched Tops, Add	*65.00*	

10 71 13 13-0198 18" Through 20" Width *(10 71 13 13-0152)*

10 71 13 13-0199	PR	18" Thru 20" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	696.64	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0200	PR	18" Thru 20" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	785.73	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0201	PR	18" Thru 20" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	874.80	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0202	PR	18" Thru 20" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	963.99	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0203	PR	18" Thru 20" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,054.82	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0204	PR	18" Thru 20" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,144.84	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0205	PR	18" Thru 20" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,234.84	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0206	PR	18" Thru 20" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,324.87	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0207	PR	18" Thru 20" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,414.87	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0208	PR	18" Thru 20" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,504.90	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0209	PR	18" Thru 20" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	1,594.91	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0210	PR	18" Thru 20" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	1,684.93	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0211	PR	18" Thru 20" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	1,774.94	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0212	PR	18" Thru 20" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	1,864.96	43.55
		For Arched Tops, Add	*65.00*	

10 71 13 13-0213 22" Through 24" Width *(10 71 13 13-0152)*

10 71 13 13-0214	PR	22" Thru 24" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	917.00	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0215	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,035.45	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0216	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,153.93	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0217	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,273.30	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0218	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,392.69	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0219	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,512.10	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0220	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,631.48	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0221	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	1,750.88	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0222	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	1,870.28	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0223	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	1,989.66	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0224	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,109.06	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0225	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,228.46	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0226	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,347.86	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0227	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,467.24	43.55
		For Arched Tops, Add	*65.00*	

10 71 13 13-0228 26" Through 28" Width *(10 71 13 13-0152)*

10 71 13 13-0229	PR	26" Thru 28" Width x Thru 30" Height Cypress Fixed Louver Wood Shutter	1,049.20	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0230	PR	26" Thru 28" Width x 30-1/8" Thru 34" Height Cypress Fixed Louver Wood Shutter	1,185.29	27.44
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0231	PR	26" Thru 28" Width x 34-1/8" Thru 38" Height Cypress Fixed Louver Wood Shutter	1,321.39	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0232	PR	26" Thru 28" Width x 38-1/8" Thru 42" Height Cypress Fixed Louver Wood Shutter	1,458.40	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0233	PR	26" Thru 28" Width x 42-1/8" Thru 46" Height Cypress Fixed Louver Wood Shutter	1,595.42	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0234	PR	26" Thru 28" Width x 46-1/8" Thru 50" Height Cypress Fixed Louver Wood Shutter	1,732.45	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0235	PR	26" Thru 28" Width x 50-1/8" Thru 54" Height Cypress Fixed Louver Wood Shutter	1,869.47	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0236	PR	26" Thru 28" Width x 54-1/8" Thru 58" Height Cypress Fixed Louver Wood Shutter	2,006.49	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0237	PR	26" Thru 28" Width x 58-1/8" Thru 62" Height Cypress Fixed Louver Wood Shutter	2,143.53	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0238	PR	26" Thru 28" Width x 62-1/8" Thru 66" Height Cypress Fixed Louver Wood Shutter	2,280.52	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0239	PR	26" Thru 28" Width x 66-1/8" Thru 70" Height Cypress Fixed Louver Wood Shutter	2,417.55	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0240	PR	26" Thru 28" Width x 70-1/8" Thru 74" Height Cypress Fixed Louver Wood Shutter	2,554.58	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0241	PR	26" Thru 28" Width x 74-1/8" Thru 78" Height Cypress Fixed Louver Wood Shutter	2,691.60	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0242	PR	26" Thru 28" Width x 78-1/8" Thru 82" Height Cypress Fixed Louver Wood Shutter	2,828.60	43.55
		For Arched Tops, Add	*65.00*	

10 71 13 13-0243 Pine Louvered Shutters *(10 71 13 13)*

10 71 13 13-0244 12" Width *(10 71 13 13-0243)*

10 71 13 13-0245	PR	12" x 35" Pine Louvered Shutter	238.63	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0246	PR	12" x 39" Pine Louvered Shutter	249.02	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0247	PR	12" x 43" Pine Louvered Shutter	259.30	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0248	PR	12" x 47" Pine Louvered Shutter	269.63	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0249	PR	12" x 51" Pine Louvered Shutter	279.91	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0250	PR	12" x 55" Pine Louvered Shutter	290.24	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0251	PR	12" x 59" Pine Louvered Shutter	300.60	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0252	PR	12" x 63" Pine Louvered Shutter	310.98	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0253	PR	12" x 67" Pine Louvered Shutter	321.31	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0254	PR	12" x 71" Pine Louvered Shutter	331.66	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0255	PR	12" x 75" Pine Louvered Shutter	341.99	42.15
		For Arched Tops, Add	*65.00*	

10 71 13 13-0256 14" Width *(10 71 13 13-0243)*

10 71 13 13-0257	PR	14" x 35" Pine Louvered Shutter	262.93	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0258	PR	14" x 39" Pine Louvered Shutter	274.42	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0259	PR	14" x 43" Pine Louvered Shutter	285.75	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0260	PR	14" x 47" Pine Louvered Shutter	297.18	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0261	PR	14" x 51" Pine Louvered Shutter	308.52	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0262	PR	14" x 55" Pine Louvered Shutter	319.85	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0263	PR	14" x 59" Pine Louvered Shutter	331.26	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0264	PR	14" x 63" Pine Louvered Shutter	342.67	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0265	PR	14" x 67" Pine Louvered Shutter	354.02	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0266	PR	14" x 71" Pine Louvered Shutter	365.40	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0267	PR	14" x 75" Pine Louvered Shutter	376.84	42.15
		For Arched Tops, Add	*65.00*	

10 71 13 13-0268 15" Width *(10 71 13 13-0243)*

10 71 13 13-0269	PR	15" x 35" Pine Louvered Shutter	274.80	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0270	PR	15" x 39" Pine Louvered Shutter	286.69	29.50
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0271	PR	15" x 43" Pine Louvered Shutter	298.66	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0272	PR	15" x 47" Pine Louvered Shutter	310.52	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0273	PR	15" x 51" Pine Louvered Shutter	322.44	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0274	PR	15" x 55" Pine Louvered Shutter	334.36	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0275	PR	15" x 59" Pine Louvered Shutter	346.29	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0276	PR	15" x 63" Pine Louvered Shutter	358.17	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0277	PR	15" x 67" Pine Louvered Shutter	370.06	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0278	PR	15" x 71" Pine Louvered Shutter	381.95	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0279	PR	15" x 75" Pine Louvered Shutter	393.89	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0280	PR	15" x 81" Pine Louvered Shutter	410.81	43.55
		For Arched Tops, Add	*65.00*	

10 71 13 13-0281 16" Width *(10 71 13 13-0243)*

10 71 13 13-0282	PR	16" x 35" Pine Louvered Shutter	286.10	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0283	PR	16" x 39" Pine Louvered Shutter	298.97	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0284	PR	16" x 43" Pine Louvered Shutter	311.97	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0285	PR	16" x 47" Pine Louvered Shutter	324.91	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0286	PR	16" x 51" Pine Louvered Shutter	337.88	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0287	PR	16" x 55" Pine Louvered Shutter	350.84	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0288	PR	16" x 59" Pine Louvered Shutter	363.72	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0289	PR	16" x 63" Pine Louvered Shutter	376.71	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0290	PR	16" x 67" Pine Louvered Shutter	389.66	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0291	PR	16" x 71" Pine Louvered Shutter	402.63	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0292	PR	16" x 75" Pine Louvered Shutter	415.58	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0293	PR	16" x 81" Pine Louvered Shutter	428.46	43.55
		For Arched Tops, Add	*65.00*	

10 71 13 13-0294 18" Width *(10 71 13 13-0243)*

10 71 13 13-0295	PR	18" x 35" Pine Louvered Shutter	310.96	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0296	PR	18" x 39" Pine Louvered Shutter	327.56	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0297	PR	18" x 47" Pine Louvered Shutter	356.20	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0298	PR	18" x 55" Pine Louvered Shutter	384.90	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0299	PR	18" x 63" Pine Louvered Shutter	413.57	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0300	PR	18" x 75" Pine Louvered Shutter	475.30	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0301	PR	18" x 81" Pine Louvered Shutter	492.77	43.55
		For Arched Tops, Add	*65.00*	

10 71 13 13-0302 Exterior Cedar Board N' Batten Wood Shutters *(10 71 13 13)*

10 71 13 13-0303 8" Through 14" Width *(10 71 13 13-0302)*

10 71 13 13-0304	PR	8" Thru 14" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	467.10	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0305	PR	8" Thru 14" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	611.87	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0306	PR	8" Thru 14" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	612.81	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0307	PR	8" Thru 14" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	758.51	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0308	PR	8" Thru 14" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	760.39	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0309	PR	8" Thru 14" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	762.26	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0310	PR	8" Thru 14" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	907.98	33.72
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0311	PR	8" Thru 14" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	909.85	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0312	PR	8" Thru 14" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	911.73	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0313	PR	8" Thru 14" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,057.42	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0314	PR	8" Thru 14" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,059.30	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0315	PR	8" Thru 14" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,205.01	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0316	PR	8" Thru 14" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,206.89	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0317	PR	8" Thru 14" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,208.76	43.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0318	PR	8" Thru 14" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,210.63	44.96
		For Arched Tops, Add	*65.00*	

10 71 13 13-0319 15" Through 16" Width *(10 71 13 13-0302)*

10 71 13 13-0320	PR	15" Thru 16" Width x Through 30" Height Cedar Board N' Batten Wood Shutter	610.93	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0321	PR	15" Thru 16" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	611.87	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0322	PR	15" Thru 16" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	756.65	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0323	PR	15" Thru 16" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	758.51	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0324	PR	15" Thru 16" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	904.23	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0325	PR	15" Thru 16" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	906.10	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0326	PR	15" Thru 16" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	907.97	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0327	PR	15" Thru 16" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,053.68	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0328	PR	15" Thru 16" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,055.55	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0329	PR	15" Thru 16" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,201.26	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0330	PR	15" Thru 16" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,203.14	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0331	PR	15" Thru 16" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,348.84	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0332	PR	15" Thru 16" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,350.72	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0333	PR	15" Thru 16" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,496.43	43.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0334	PR	15" Thru 16" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,498.30	44.96
		For Arched Tops, Add	*65.00*	

10 71 13 13-0335 17" Through 18" Width *(10 71 13 13-0302)*

10 71 13 13-0336	PR	17" Thru 18" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	610.93	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0337	PR	17" Thru 18" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	755.71	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0338	PR	17" Thru 18" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	756.65	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0339	PR	17" Thru 18" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	902.35	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0340	PR	17" Thru 18" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	904.23	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0341	PR	17" Thru 18" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,049.93	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0342	PR	17" Thru 18" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,051.80	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0343	PR	17" Thru 18" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,197.52	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0344	PR	17" Thru 18" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,199.39	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0345	PR	17" Thru 18" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,345.09	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0346	PR	17" Thru 18" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,346.97	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0347	PR	17" Thru 18" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,492.68	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0348	PR	17" Thru 18" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,494.56	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0349	PR	17" Thru 18" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,640.27	43.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0350	PR	17" Thru 18" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,642.14	44.96
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0351		**19" Through 20" Width** *(10 71 13 13-0302)*		
10 71 13 13-0352	PR	19" Thru 20" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	754.77	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0353	PR	19" Thru 20" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	755.71	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0354	PR	19" Thru 20" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	900.49	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0355	PR	19" Thru 20" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	902.35	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0356	PR	19" Thru 20" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,048.06	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0357	PR	19" Thru 20" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,049.93	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0358	PR	19" Thru 20" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,195.64	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0359	PR	19" Thru 20" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,341.35	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0360	PR	19" Thru 20" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,343.22	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0361	PR	19" Thru 20" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,488.93	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0362	PR	19" Thru 20" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,490.81	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0363	PR	19" Thru 20" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,636.52	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0364	PR	19" Thru 20" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,638.40	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0365	PR	19" Thru 20" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,784.10	43.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0366	PR	19" Thru 20" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,785.97	44.96
		For Arched Tops, Add	*65.00*	
10 71 13 13-0367		**21" Through 22" Width** *(10 71 13 13-0302)*		
10 71 13 13-0368	PR	21" Thru 22" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	754.77	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0369	PR	21" Thru 22" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	755.71	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0370	PR	21" Thru 22" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	900.49	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0371	PR	21" Thru 22" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,046.18	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0372	PR	21" Thru 22" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,048.06	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0373	PR	21" Thru 22" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,193.77	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0374	PR	21" Thru 22" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,195.64	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0375	PR	21" Thru 22" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,341.35	35.13
		For Arched Tops, Add	*65.00*	
10 71 13 13-0376	PR	21" Thru 22" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,487.06	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0377	PR	21" Thru 22" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,488.93	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0378	PR	21" Thru 22" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,634.65	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0379	PR	21" Thru 22" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,636.52	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0380	PR	21" Thru 22" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,782.23	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0381	PR	21" Thru 22" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,784.10	43.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0382	PR	21" Thru 22" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,785.97	44.96
		For Arched Tops, Add	*65.00*	
10 71 13 13-0383		**22" Through 24" Width** *(10 71 13 13-0302)*		
10 71 13 13-0384	PR	22" Thru 24" Width x Thru 30" Height Cedar Board N' Batten Wood Shutter	754.77	26.70
		For Arched Tops, Add	*65.00*	
10 71 13 13-0385	PR	22" Thru 24" Width x 30-1/8" Thru 34" Height Cedar Board N' Batten Wood Shutter	899.55	27.44
		For Arched Tops, Add	*65.00*	
10 71 13 13-0386	PR	22" Thru 24" Width x 34-1/8" Thru 38" Height Cedar Board N' Batten Wood Shutter	900.49	28.09
		For Arched Tops, Add	*65.00*	
10 71 13 13-0387	PR	22" Thru 24" Width x 38-1/8" Thru 42" Height Cedar Board N' Batten Wood Shutter	1,046.18	29.50
		For Arched Tops, Add	*65.00*	
10 71 13 13-0388	PR	22" Thru 24" Width x 42-1/8" Thru 46" Height Cedar Board N' Batten Wood Shutter	1,191.90	30.91
		For Arched Tops, Add	*65.00*	
10 71 13 13-0389	PR	22" Thru 24" Width x 46-1/8" Thru 50" Height Cedar Board N' Batten Wood Shutter	1,193.77	32.31
		For Arched Tops, Add	*65.00*	
10 71 13 13-0390	PR	22" Thru 24" Width x 50-1/8" Thru 54" Height Cedar Board N' Batten Wood Shutter	1,339.47	33.72
		For Arched Tops, Add	*65.00*	
10 71 13 13-0391	PR	22" Thru 24" Width x 54-1/8" Thru 58" Height Cedar Board N' Batten Wood Shutter	1,341.35	35.13
		For Arched Tops, Add	*65.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 71 13 13-0392	PR	22" Thru 24" Width x 58-1/8" Thru 62" Height Cedar Board N' Batten Wood Shutter	1,487.06	36.53
		For Arched Tops, Add	*65.00*	
10 71 13 13-0393	PR	22" Thru 24" Width x 62-1/8" Thru 66" Height Cedar Board N' Batten Wood Shutter	1,632.77	37.93
		For Arched Tops, Add	*65.00*	
10 71 13 13-0394	PR	22" Thru 24" Width x 66-1/8" Thru 70" Height Cedar Board N' Batten Wood Shutter	1,634.65	39.33
		For Arched Tops, Add	*65.00*	
10 71 13 13-0395	PR	22" Thru 24" Width x 70-1/8" Thru 74" Height Cedar Board N' Batten Wood Shutter	1,780.35	40.74
		For Arched Tops, Add	*65.00*	
10 71 13 13-0396	PR	22" Thru 24" Width x 74-1/8" Thru 78" Height Cedar Board N' Batten Wood Shutter	1,782.23	42.15
		For Arched Tops, Add	*65.00*	
10 71 13 13-0397	PR	22" Thru 24" Width x 78-1/8" Thru 82" Height Cedar Board N' Batten Wood Shutter	1,927.94	43.55
		For Arched Tops, Add	*65.00*	
10 71 13 13-0398	PR	22" Thru 24" Width x 82-1/8" Thru 86" Height Cedar Board N' Batten Wood Shutter	1,929.81	44.96
		For Arched Tops, Add	*65.00*	

10 71 13 13-0399 Accessories *(10 71 13 13)*

10 71 13 13-0400	PR	Surface Mounted Pintel, Stainless Steel	54.64	
10 71 13 13-0401	PR	Lag Pintel, Stainless Steel	54.64	
10 71 13 13-0402	PR	10" Strap Hinge, Stainless Steel	81.74	
10 71 13 13-0403	PR	6" L-Hinge, Stainless Steel	75.60	
10 71 13 13-0404	PR	Hinge Set, Galvanized And Painted	68.56	
10 71 13 13-0405	PR	Acorn Holdback	63.16	
10 71 13 13-0406	PR	'S' Holdback, Stainless Steel	53.23	
10 71 13 13-0407	PR	'S' Holdback, Galvanized And Painted	50.16	

10 73 Protective Covers *(10 70)*

10 73 13 Awnings *(10 73)*

10 73 13 13 Metal Awnings *(10 73 13)*

10 73 13 13-0001 Metal Awnings *(10 73 13 13)*

Note: Includes metal cover, frame supports and anchoring.

10 73 13 13-0002	SF	Clear Weather Resistant Finish, Ribbed Aluminum Window Awnings	51.54	7.82
10 73 13 13-0003	SF	Baked Enamel Finish, Ribbed Aluminum Window Awning	45.64	7.02
10 73 13 13-0004	SF	Flat Roofed Steel Awning	166.45	8.13
		Note: Per SF of covered area		
10 73 13 13-0005	SF	Arched Roofed Steel Awning (Per SF Of Covered Area)	171.85	9.14

10 73 13 23 Fabric Awnings *(10 73 13)*

10 73 13 23-0001 Canvas Awnings *(10 73 13 23)*

Note: Includes minimum 12 oz. canvas, frame supports and anchoring.

10 73 13 23-0002	SF	Canvas Awning, Waterproof Fabric Tubular Metal Framing	48.99	6.53
10 73 13 23-0003	SF	Side Protection Canvas For Walkways (Per SF Of Wall Area)	27.50	2.11
10 73 13 23-0004	SF	Removal And Replacement Of Canvas For Awnings	19.54	
		Note: Includes removal of existing canvas cover.		
		For 18 Oz. Vinyl Laminated Polyester Cover, Add	*0.61*	

10 73 16 Canopies *(10 73)*

10 73 16 13 Metal Canopies *(10 73 16)*

10 73 16 13-0001 Canopies, Wall Hung, Aluminum Framed And Covered, Prefinished *(10 73 16 13)*

Note: Includes cover, frame supports and anchoring.

10 73 16 13-0002	EA	8' x 10' Canopy, Aluminum, Wall Hung	4,543.11	400.87
10 73 16 13-0003	EA	8' x 20' Canopy, Aluminum, Wall Hung	8,355.27	641.56
10 73 16 13-0004	EA	10' x 10' Canopy, Aluminum, Wall Hung	5,598.30	501.58
10 73 16 13-0005	EA	10' x 20' Canopy, Aluminum, Wall Hung	10,088.47	670.72

10 73 26 Walkway Coverings *(10 73)*

Note: Pre-engineered includes all framing and steel supports, integral gutter system. Excludes foundations.

10 73 26 13 Metal Walkway Coverings *(10 73 26)*

10 73 26 13-0001 Steel Walkway/Parking Covers *(10 73 26 13)*

Note: Factory applied polyester finish.

10 73 26 13-0002	SF	Flat Roofed Steel Walkway/Parking Cover	81.82	5.81
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*28.08*	
		For Wind Load (140 MPH), Add	*35.10*	
10 73 26 13-0003	SF	Arch Roofed Steel Walkway/Parking Cover	87.11	6.26
		Note: Includes factory applied polyester finish.		
		For Snow Load (30 PSF), Add	*29.84*	
		For Wind Load (140 MPH), Add	*37.30*	

10 73 26 13-0004 Aluminum Walkway/Parking Covers *(10 73 26 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 73 26 13-0005	SF	Flat Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	43.58	5.81
		For Snow Load (30 PSF), Add	*12.78*	
		For Wind Load (140 MPH), Add	*15.98*	
10 73 26 13-0006	SF	Arch Roofed Aluminum Walkway/Parking Cover Note: Includes factory applied polyester finish.	47.38	6.26
		For Snow Load (30 PSF), Add	*13.94*	
		For Wind Load (140 MPH), Add	*17.43*	

10 75 Flagpoles *(10 70)*

Note: Metal bases are installed in a concrete base and fully rigged. Heights indicated are from ground to top of installed flag pole. Uninstalled lengths are longer. Includes top ball (color and material similar to pole), cleats and cleat cover, all caulking and sealants, and hoisting into place. Excludes excavation and concrete. See CSI section 10 75 16 00-0021 for bases.

10 75 16 Ground-Set Flagpoles *(10 75)*

10 75 16 00-0001 Free Standing Tapered Fiberglass Flagpoles *(10 75 16)*

10 75 16 00-0002	EA	25' Exposed Height, Tapered White Fiberglass Flagpole Note: 6" butt diameter, 3" top diameter and 0.180" wall.	2,652.28	770.15
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*20.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0003	EA	30' Exposed Height, Tapered White Fiberglass Flagpole Note: 6-1/2" butt diameter, 3" top diameter and 0.180" wall.	2,844.93	840.17
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0004	EA	35' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	3,534.88	980.20
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*10.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0005	EA	40' Exposed Height, Tapered White Fiberglass Flagpole Note: 7" butt diameter, 3" top diameter and 0.200" wall.	4,091.54	1,120.22
		For Internal Halyard, Cam System, Add	*300.00*	
		For Bronze Finish, Add	*50.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0006	EA	50' Exposed Height, Tapered White Fiberglass Flagpole Note: 10" butt diameter, 4-1/2" top diameter and 0.275" wall.	7,104.50	1,260.25
		For Internal Halyard, Winch System, Add	*1,700.00*	
		For Bronze Finish, Add	*200.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0007	EA	60' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-1/2" butt diameter, 4-1/2" top diameter and 0.300" wall.	8,397.42	1,400.28
		For Internal Halyard, Winch System, Add	*1,900.00*	
		For Bronze Finish, Add	*160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0008	EA	70' Exposed Height, Tapered White Fiberglass Flagpole Note: 16" butt diameter, 7" top diameter and 0.325" wall.	13,942.83	1,540.30
		For Internal Halyard, Winch System, Add	*2,860.00*	
		For Bronze Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0009	EA	78' Exposed Height, Tapered White Fiberglass Flagpole Note: 10-3/4" butt diameter, 7" top diameter and 0.350" wall.	17,876.10	1,680.33
		For Internal Halyard, Winch System, Add	*2,900.00*	
		For Bronze Finish, Add	*900.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0010 Free Standing Tapered Aluminum Flagpoles *(10 75 16)*

Note: Heavy duty.

10 75 16 00-0011	EA	20' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5" butt diameter, 3" top diameter and 0.188" wall.	2,540.70	700.14
		For Internal Halyard, Winch System, Add	*570.00*	
		For Clear Anodized Finish, Add	*150.00*	
		For Bronze Anodized Finish, Add	*180.00*	
		For Black Anodized Finish, Add	*230.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0012	EA	25' Exposed Height, Tapered Satin Aluminum Flagpole Note: 5-1/2" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,005.49	770.15
		For Internal Halyard, Winch System, Add	*1,100.00*	
		For Clear Anodized Finish, Add	*200.00*	
		For Bronze Anodized Finish, Add	*230.00*	
		For Black Anodized Finish, Add	*320.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0013	EA	30' Exposed Height, Tapered Satin Aluminum Flagpole Note: 6" butt diameter, 3-1/2" top diameter and 0.188" wall.	3,331.66	840.17
		For Internal Halyard, Winch System, Add	*1,390.00*	
		For Clear Anodized Finish, Add	*240.00*	
		For Bronze Anodized Finish, Add	*290.00*	
		For Black Anodized Finish, Add	*400.00*	
		For Rope Lock Box, Add	*96.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0014	EA	35' Exposed Height, Tapered Satin Aluminum Flagpole Note: 7" butt diameter, 3-1/2" top diameter and 0.188" wall.	4,205.80	980.20
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*290.00*	
		For Bronze Anodized Finish, Add	*360.00*	
		For Black Anodized Finish, Add	*480.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0015	EA	40' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,172.34	1,120.22
		For Internal Halyard, Winch System, Add	*1,490.00*	
		For Clear Anodized Finish, Add	*390.00*	
		For Bronze Anodized Finish, Add	*480.00*	
		For Black Anodized Finish, Add	*660.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0016	EA	45' Exposed Height, Tapered Satin Aluminum Flagpole Note: 8" butt diameter, 3-1/2" top diameter and 0.188" wall.	5,711.08	1,190.24
		For Internal Halyard, Winch System, Add	*1,340.00*	
		For Clear Anodized Finish, Add	*400.00*	
		For Bronze Anodized Finish, Add	*500.00*	
		For Black Anodized Finish, Add	*700.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0017	EA	50' Exposed Height, Tapered Satin Aluminum Flagpole Note: 10" butt diameter, 4" top diameter and 0.188" wall.	7,109.33	1,260.25
		For Internal Halyard, Winch System, Add	*1,380.00*	
		For Clear Anodized Finish, Add	*700.00*	
		For Bronze Anodized Finish, Add	*860.00*	
		For Black Anodized Finish, Add	*1,130.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0018	EA	60' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	11,966.85	1,400.28
		For Internal Halyard, Winch System, Add	*1,800.00*	
		For Clear Anodized Finish, Add	*620.00*	
		For Bronze Anodized Finish, Add	*820.00*	
		For Black Anodized Finish, Add	*1,160.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0019	EA	70' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.250" wall.	13,099.77	1,540.30
		For Internal Halyard, Winch System, Add	*1,720.00*	
		For Clear Anodized Finish, Add	*710.00*	
		For Bronze Anodized Finish, Add	*950.00*	
		For Black Anodized Finish, Add	*1,360.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 16 00-0020	EA	80' Exposed Height, Tapered Satin Aluminum Flagpole Note: 12" butt diameter, 4" top diameter and 0.375" wall.	16,312.18	1,680.33
		For Internal Halyard, Winch System, Add	*2,600.00*	
		For Clear Anodized Finish, Add	*1,100.00*	
		For Bronze Anodized Finish, Add	*1,380.00*	
		For Black Anodized Finish, Add	*1,840.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 16 00-0021 Flagpole Bases *(10 75 16)*

10 75 16 00-0022 Flagpole Concrete Base *(10 78 16 00-0021)*

Note: Includes excavation, forms where necessary, steel casing and reinforcing, metal collar installation, base plate, sand fill, ground spike, concrete and finishing of concrete.

10 75 16 00-0023	EA	30' Or Less Flagpole, Poured Concrete Foundation	1,290.66
10 75 16 00-0024	EA	35' Flagpole, Poured Concrete Foundation	1,334.13
10 75 16 00-0025	EA	40' Flagpole, Poured Concrete Foundation	1,535.36
10 75 16 00-0026	EA	45' Flagpole, Poured Concrete Foundation	1,624.03
10 75 16 00-0027	EA	50' Flagpole, Poured Concrete Foundation	1,946.10
10 75 16 00-0028	EA	60' Flagpole, Poured Concrete Foundation	2,358.03
10 75 16 00-0029	EA	70' Flagpole, Poured Concrete Foundation	2,788.17
10 75 16 00-0030	EA	80' Flagpole, Poured Concrete Foundation	3,243.41
10 75 16 00-0031	EA	90' To 100' Flagpole, Poured Concrete Foundation	3,782.50

10 75 16 00-0032 Direct Embedded Flagpole Base *(10 75 16 00-0021)*

Note: Augured in place, no concrete required.

10 75 16 00-0033	EA	20' To 25' Flagpole, Direct Embedded Pole Base	560.64
10 75 16 00-0034	EA	30' To 40' Flagpole, Direct Embedded Pole Base	804.92
10 75 16 00-0035	EA	45' To 55' Flagpole, Direct Embedded Pole Base	898.20
10 75 16 00-0036	EA	60' To 70' Flagpole, Direct Embedded Pole Base	1,012.29

10 75 16 00-0037 Flagpole Accessories *(10 75 16)*

10 75 16 00-0038 Flagpole Tops *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0039	EA	4" Gold Anodized Aluminum Ball For Top Of Flagpole	104.84	39.49
10 75 16 00-0040	EA	5" Gold Anodized Aluminum Ball For Top Of Flagpole	114.11	41.81
10 75 16 00-0041	EA	6" Gold Anodized Aluminum Ball For Top Of Flagpole	127.08	44.13
10 75 16 00-0042	EA	8" Gold Anodized Aluminum Ball For Top Of Flagpole	163.15	46.45
10 75 16 00-0043	EA	10" Gold Anodized Aluminum Ball For Top Of Flagpole	212.15	48.77
10 75 16 00-0044	EA	12" Gold Anodized Aluminum Ball For Top Of Flagpole	236.21	51.09

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 75 16 00-0045	EA	11-1/4" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	216.80	51.09
10 75 16 00-0046	EA	15" Aluminum Flying Eagle Mounted On A Spindle For Flagpole Top, Gold Finish	251.99	58.06

10 75 16 00-0047 Flagpole Accessories *(10 75 16 00-0037)*

Note: To be used on renovation of existing flagpole. Do not use in conjunction with installation of new flagpoles.

10 75 16 00-0048	LF	5/16" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	0.91	0.07
10 75 16 00-0049	LF	5/16" Diameter, Solid Braided Multifilament Polypropylene Halyard (Rope) For Flagpoles	0.46	0.07
10 75 16 00-0050	LF	5/16" Diameter, Nylon Halyard (Rope) For Flagpoles	0.35	0.07
10 75 16 00-0051	LF	3/8" Diameter, Nylon Halyard (Rope) With Wire Center For Flagpoles	1.22	0.07
10 75 16 00-0052	EA	Refinish Existing Flagpole Ball	309.44	116.07
10 75 16 00-0053	EA	Locking Aluminum Cleat Box For Flagpoles	253.94	69.64
10 75 16 00-0054	EA	Aluminum Cleat For Flagpoles	21.02	4.65
10 75 16 00-0055	LF	1/8" Diameter, 7x7 Galvanized Wire Rope For Flagpoles	0.65	0.09

10 75 23 Wall-Mounted Flagpoles *(10 75)*

10 75 23 00-0001 Vertical, Wall/Roof Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum brackets, 3" butt diameter and 0.125" wall.

10 75 23 00-0002	EA	14' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	1,755.12	614.16
		For Clear Anodized Finish, Add	*60.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*90.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0003	EA	17' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	1,905.68	675.57
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*80.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0004	EA	20' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,065.48	736.98
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*110.00*	
		For Black Anodized Finish, Add	*120.00*	
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0005	EA	25' Height, Vertical Wall/Roof Mounted Tapered Aluminum Flagpole	2,394.33	859.82
		For Clear Anodized Finish, Add	*70.00*	
		For Bronze Anodized Finish, Add	*90.00*	
		For Black Anodized Finish, Add	*100.00*	
		For Rope Lock Box, Add	*96.00*	

10 75 23 00-0006 Outrigger, Wall Mounted Tapered Aluminum Flagpoles *(10 75 23)*

Note: Includes aluminum base, 3-1/2" butt diameter and 0.125" wall.

10 75 23 00-0007	EA	10' (3.0 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,251.52	552.74
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0008	EA	15' (4.6 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,429.80	614.16
		For Rope Lock Box, Add	*96.00*	
10 75 23 00-0009	EA	20' (6.1 m) Outrigger, Tapered Aluminum Flagpole, Satin Finish	2,712.43	736.98
		For Rope Lock Box, Add	*96.00*	

10 80 Other Specialties *(10)*

10 81 Pest Control Devices *(10 80)*

10 81 13 Bird Control Devices *(10 81)*

10 81 13 00-0001 Stainless Steel Spiked Bird Barrier *(10 81 13)*

Note: Stainless steel spikes with flexible polycarbonate base.

10 81 13 00-0002	LF	2-1/2" To 3" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	6.98	0.75
10 81 13 00-0003	LF	4-1/2" To 5" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	8.43	0.75
10 81 13 00-0004	LF	8" Wide Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System	12.36	0.75

10 81 13 00-0005 Polycarbonate Spiked Bird Barrier *(10 81 13)*

Note: Polycarbonate spikes and base.

10 81 13 00-0006	LF	3" Wide Polycarbonate Spikes And Base Bird Deterrent System	6.46	0.75
10 81 13 00-0007	LF	5" Wide Polycarbonate Spikes And Base Bird Deterrent System	7.82	0.75
10 81 13 00-0008	LF	8" Wide Polycarbonate Spikes And Base Bird Deterrent System	9.34	0.75

10 81 13 00-0009 Spiked Gutter Or Girder Bird Barrier *(10 81 13)*

Note: Stainless steel spikes with flexible polycarbonate base mounted to gutter or girder. Includes aluminum clamps.

10 81 13 00-0010	LF	Stainless Steel Spikes And Polycarbonate Base Bird Deterrent System For Gutter Or Girder Application	7.34	0.75

10 81 13 00-0011 Coil Bird Barrier *(10 81 13)*

Note: Stainless steel coil.

10 81 13 00-0012	LF	4" Diameter Stainless Steel Coil Bird Deterrent System	5.26	0.75
10 81 13 00-0013	LF	5" Diameter Stainless Steel Coil Bird Deterrent System	6.19	0.75

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 81 13 00-0014		**Spider Bird Barrier** *(10 81 13)*		
		Note: Stainless steel arms with various bases.		
10 81 13 00-0015	EA	2' Diameter Stainless Steel Spider Bird Deterrent System	94.28	0.75
10 81 13 00-0016	EA	4' Diameter Stainless Steel Spider Bird Deterrent System	138.02	0.75
10 81 13 00-0017	EA	8' Diameter Stainless Steel Spider Bird Deterrent System	173.16	0.75
10 81 13 00-0018		**Oriented Flexible Flame Resistant Netting** *(10 81 13)*		
		Note: Includes stainless steel rings and plastic ties.		
10 81 13 00-0019	SF	1/8" x 1/8" Mesh Flexible Polypropylene Netting	0.79	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0020	SF	1/4" x 1/4" Mesh Flexible Polypropylene Netting	0.78	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0021	SF	1/2" x 1/2" Mesh Flexible Polypropylene Netting	0.76	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0022	SF	3/4" x 3/4" Mesh Flexible Polypropylene Netting	0.74	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0023	SF	1" x 1" Mesh Flexible Polypropylene Netting	0.74	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0024	SF	1-1/8" x 1-1/8" Mesh Flexible Polypropylene Netting	0.73	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0025	SF	2" x 2" Mesh Flexible Polypropylene Netting	0.72	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0026	SF	3" x 3" Mesh Flexible Polypropylene Netting	0.72	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0027	SF	4" x 4" Mesh Flexible Polypropylene Netting	0.71	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0028	SF	5/8" x 3/4" Mesh Flexible Polypropylene Netting	0.75	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0029	SF	1-1/4" x 1-1/2" Mesh Flexible Polypropylene Netting	0.73	0.33
		Note: To control bird and marine predators.		
10 81 13 00-0030	EA	Poly Clips For Flexible Netting	2.61	
10 81 13 00-0031		**Netting Accessories** *(10 81 13)*		
10 81 13 00-0032	EA	2' Zipper For Flexible Netting	5.81	
10 81 13 00-0033	EA	4' Zipper For Flexible Netting	8.76	
10 81 13 00-0034	EA	6' Zipper For Flexible Netting	10.30	
10 81 13 00-0035	EA	8' Zipper For Flexible Netting	14.64	
10 81 16		**Insect Control Devices** *(10 81)*		
10 81 16 00-0001		**Insect Screening** *(10 81 16)*		
10 81 16 00-0002	CSF	17/14 Mesh Insect Screening With Flat Screen Splines	94.15	
10 86		**Security Mirrors And Domes** *(10 80)*		
10 86 00 00-0001		**Security Mirrors** *(10 86)*		
10 86 00 00-0002	EA	8" x 10" Framed Stainless Steel Mirror With Mounting Plate	77.13	28.71
10 86 00 00-0003	EA	10" x 14" Framed Stainless Steel Mirror With Mounting Plate	82.82	28.71
10 86 00 00-0004	EA	16" x 20" Unframed Stainless Steel Mirror With Mounting Screws	123.50	23.93
10 86 00 00-0005	EA	8" x 10" Framed Stainless Steel Replacement Mirror	73.97	28.71
10 86 00 00-0006	EA	10" x 14" Framed Stainless Steel Replacement Mirror	105.13	28.71
10 86 00 00-0007		**Dome Mirrors** *(10 86)*		
		Note: Includes all mounting hardware. Indoor or outdoor applications.		
10 86 00 00-0008		**Steel Dome Mirrors** *(10 86 00 00-0007)*		
10 86 00 00-0009	EA	9" Diameter Full-Dome Steel Dome Mirror	206.41	18.58
10 86 00 00-0010	EA	12" Diameter Full-Dome Steel Dome Mirror	242.11	19.51
10 86 00 00-0011	EA	18" Diameter Full-Dome Steel Dome Mirror	279.67	21.37
10 86 00 00-0012	EA	24" Diameter Full-Dome Steel Dome Mirror	371.70	23.22
10 86 00 00-0013	EA	9" Diameter Half-Dome Steel Dome Mirror	147.96	13.94
10 86 00 00-0014	EA	12" Diameter Half-Dome Steel Dome Mirror	170.42	14.86
10 86 00 00-0015	EA	18" Diameter Half-Dome Steel Dome Mirror	198.82	16.25
10 86 00 00-0016	EA	24" Diameter Half-Dome Steel Dome Mirror	275.19	17.66
10 86 00 00-0017		**Plexiglas Dome Mirrors** *(10 86 00 00-0007)*		
10 86 00 00-0018	EA	18" Diameter Full-Dome Plexiglas Dome Mirror	162.67	21.37
10 86 00 00-0019	EA	26" Diameter Full-Dome Plexiglas Dome Mirror	227.47	23.22
10 86 00 00-0020	EA	32" Diameter Full-Dome Plexiglas Dome Mirror	299.66	26.94
10 86 00 00-0021	EA	36" Diameter Full-Dome Plexiglas Dome Mirror	362.31	32.52
10 86 00 00-0022	EA	48" Diameter Full-Dome Plexiglas Dome Mirror	528.53	46.45
10 86 00 00-0023	EA	18" Diameter Half-Dome Plexiglas Dome Mirror	100.66	16.25
10 86 00 00-0024	EA	26" Diameter Half-Dome Plexiglas Dome Mirror	134.35	17.66
10 86 00 00-0025	EA	32" Diameter Half-Dome Plexiglas Dome Mirror	176.13	20.44
10 86 00 00-0026	EA	36" Diameter Half-Dome Plexiglas Dome Mirror	217.01	24.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
10 86 00 00-0027	EA	48" Diameter Half-Dome Plexiglas Dome Mirror	343.42	34.84
10 86 00 00-0028	EA	18" Diameter Quarter-Dome Plexiglas Dome Mirror	66.13	13.94
10 86 00 00-0029	EA	26" Diameter Quarter-Dome Plexiglas Dome Mirror	84.07	15.33
10 86 00 00-0030	EA	32" Diameter Quarter-Dome Plexiglas Dome Mirror	109.57	17.18
10 86 00 00-0031	EA	36" Diameter Quarter-Dome Plexiglas Dome Mirror	136.25	20.44
10 86 00 00-0032	EA	48" Diameter Quarter-Dome Plexiglas Dome Mirror	224.36	29.03

10 86 00 00-0033 Coated Plexiglas Dome Mirrors *(10 86 00 00-0007)*

10 86 00 00-0034	EA	18" Diameter Full-Dome Coated Plexiglas Dome Mirror	192.84	21.37
10 86 00 00-0035	EA	26" Diameter Full-Dome Coated Plexiglas Dome Mirror	295.17	23.22
10 86 00 00-0036	EA	36" Diameter Full-Dome Coated Plexiglas Dome Mirror	497.71	32.52
10 86 00 00-0037	EA	48" Diameter Full-Dome Coated Plexiglas Dome Mirror	765.48	46.45
10 86 00 00-0038	EA	18" Diameter Half-Dome Coated Plexiglas Dome Mirror	125.97	16.25
10 86 00 00-0039	EA	26" Diameter Half-Dome Coated Plexiglas Dome Mirror	185.41	17.66
10 86 00 00-0040	EA	36" Diameter Half-Dome Coated Plexiglas Dome Mirror	292.07	24.62
10 86 00 00-0041	EA	48" Diameter Half-Dome Coated Plexiglas Dome Mirror	481.76	34.84
10 86 00 00-0042	EA	18" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	92.18	13.94
10 86 00 00-0043	EA	26" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	127.93	15.33
10 86 00 00-0044	EA	32" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	164.91	17.18
10 86 00 00-0045	EA	36" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	211.60	20.44
10 86 00 00-0046	EA	48" Diameter Quarter-Dome Coated Plexiglas Dome Mirror	330.32	29.03

10 86 00 00-0047 Circular Convex Security Mirrors *(10 86)*

Note: Includes all mounting hardware.

10 86 00 00-0048 Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0049	EA	12" Diameter Plexiglas Circular Convex Mirrors, Indoor	70.94	14.86
10 86 00 00-0050	EA	18" Diameter Plexiglas Circular Convex Mirrors, Indoor	91.24	16.25
10 86 00 00-0051	EA	26" Diameter Plexiglas Circular Convex Mirrors, Indoor	135.96	17.66
10 86 00 00-0052	EA	30" Diameter Plexiglas Circular Convex Mirrors, Indoor	169.36	20.44
10 86 00 00-0053	EA	36" Diameter Plexiglas Circular Convex Mirrors, Indoor	224.37	24.62
10 86 00 00-0054	EA	48" Diameter Plexiglas Circular Convex Mirrors, Indoor	393.45	34.84
10 86 00 00-0055	EA	18" Diameter Plexiglas Circular Convex Mirrors, Outdoor	116.11	16.25
10 86 00 00-0056	EA	26" Diameter Plexiglas Circular Convex Mirrors, Outdoor	165.40	17.66
10 86 00 00-0057	EA	36" Diameter Plexiglas Circular Convex Mirrors, Outdoor	236.15	24.62
10 86 00 00-0058	EA	48" Diameter Plexiglas Circular Convex Mirrors, Outdoor	428.77	34.84

10 86 00 00-0059 Coated Plexiglas Circular Convex Mirrors *(10 86 00 00-0047)*

Note: Indoor models have a tempered hardboard backing. Outdoor models have a waterproof edge and back, rustproof hardware with backed-on enamel finish.

10 86 00 00-0060	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	139.07	16.25
10 86 00 00-0061	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	216.32	17.66
10 86 00 00-0062	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	289.60	20.44
10 86 00 00-0063	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	361.24	24.62
10 86 00 00-0064	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Indoor	524.44	34.84
10 86 00 00-0065	EA	18" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	166.00	16.25
10 86 00 00-0066	EA	26" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	254.58	17.66
10 86 00 00-0067	EA	30" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	352.88	20.44
10 86 00 00-0068	EA	36" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	399.50	24.62
10 86 00 00-0069	EA	48" Diameter Coated Plexiglas Circular Convex Mirrors, Outdoor	631.87	34.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 Equipment

11 01 Operation and Maintenance of Equipment *(11)*

11 01 10 Operation and Maintenance of Vehicle and Pedestrian Equipment *(11 01)*

11 01 10 13 Operation and Maintenance of Parking Equipment *(11 01 10)*

11 01 10 13-0001 Replacement Parking Equipment *(11 01 10 13)*

11 01 10 13-0002	EA	10' Wood Arm Replacement With Bolts	399.19	
11 01 10 13-0003	EA	12' Wood Arm Replacement With Bolts	418.41	
11 01 10 13-0004	EA	14' Wood Arm Replacement With Bolts	440.24	
11 01 10 13-0005	EA	12' Aluminum Arm Replacement With Bolts	580.99	
11 01 10 13-0006	EA	14' Aluminum Arm Replacement With Bolts	601.53	
11 01 10 13-0007	EA	16' Aluminum Arm Replacement With Bolts	849.66	
11 01 10 13-0008	EA	18' Aluminum Arm Replacement With Bolts	862.94	
11 01 10 13-0009	EA	20' Aluminum Arm Replacement With Bolts	887.44	
11 01 10 13-0010	EA	22' Aluminum Arm Replacement With Bolts	1,019.48	
11 01 10 13-0011	EA	24' Aluminum Arm Replacement With Bolts	1,037.08	

11 10 Vehicle and Pedestrian Equipment *(11)*

11 11 Vehicle Service Equipment *(11 10)*

11 11 19 Vehicle Lubrication Equipment *(11 11)*

11 11 19 00-0001 Reels *(11 11 19)*

11 11 19 00-0002	EA	1/4" x 50' Hose, Grease Reel (Alemite 8078-B)	810.82	121.62
11 11 19 00-0003	EA	1/2" x 50' Hose, Oil Reel (Alemite 8078-D)	792.61	121.62
11 11 19 00-0004	EA	3/8" x 50' Hose, Air Or Water Reel (Alemite 8078-F)	703.87	121.62
11 11 19 00-0005	EA	1/2" x 50' Hose, Air Or Water Reel (Alemite 8078-M)	774.75	121.62

11 11 19 00-0006 Air Operated Powered Pumps *(11 11 19)*
Note: Excludes air compressor.

11 11 19 00-0007	EA	1", Oil, Air Operated Diaphragm Pump (Alemite 8323)	1,204.48	162.16
11 11 19 00-0008	EA	1", Antifreeze, Air Operatied Diaphragm Pump (Alemite 8325) Note: UL listed.	1,324.29	162.16
11 11 19 00-0009	EA	5:1 Air Operated Oil Pump (Alemite 9968)	1,083.15	162.16
11 11 19 00-0010	EA	50:1 High Pressure Grease Pump For 400 LB Drum (Alemite 9979-A) Note: Includes pump, drum cover and follower plate.	1,179.28	81.07

11 11 19 00-0011 Pumping Unit Accessories *(11 11 19)*

11 11 19 00-0012	EA	Rigid Extension, Digital Oil Meter (Alemite 3670)	417.66	30.41
11 11 19 00-0013	EA	Flexible Extension, Digital Meter (Alemite 3671)	417.66	30.41
11 11 19 00-0014	EA	Manual, Non-Drip Tip, Flexible, Digital Oil Meter (Alemite 3671-B)	417.66	30.41
11 11 19 00-0015	EA	Grease Control Handle (Alemite 6320-A)	235.89	30.41
11 11 19 00-0016	EA	150 PSI Filter/Regulator (Alemite 7936)	136.95	30.41
11 11 19 00-0017	EA	Z Type Grease Swivel (Alemite B331107)	83.79	10.14
11 11 19 00-0018	EA	Suction Hose Assembly (Parker T605-84)	205.81	40.54
11 11 19 00-0019	EA	Unistrut Reel Brackets	163.28	8.10
11 11 19 00-0020	EA	Large, Diaphragm Pump, Wall Mount Bracket (Alemite 343173)	233.45	30.41

11 11 36 Vehicle Charging Equipment *(11 11)*

11 11 36 13 Commercial Electric Vehicle Charging Unit *(11 11 36)*

11 11 36 13-0001 Electric Vehicle Charging Stations (GE) *(11 11 36 13)*
Note: Available with RFID (Radio Frequency Identification) reader.

11 11 36 13-0002	EA	Single Pedestal Electric Vehicle Charging Station Without RFID (GE EVSN3) Note: 208 to 240 volt, 30 amp, 1 phase.	2,866.28	138.33
11 11 36 13-0003	EA	Double Pedestal Electric Vehicle Charging Station Without RFID (GE EVDN3) Note: 208 to 240 volt, 30 amp, 1 phase.	5,019.77	184.44
11 11 36 13-0004	EA	Single Pedestal Electric Vehicle Charging Station With RFID (GE EVSRN3) Note: 208 to 240 volt, 30 amp, 1 phase.	5,177.82	138.33
11 11 36 13-0005	EA	Double Pedestal Electric Vehicle Charging Station With RFID (GE EVDRN3) Note: 208 to 240 volt, 30 amp, 1 phase.	8,784.37	184.44
11 11 36 13-0006	EA	Single Pole Mounted Electric Vehicle Charging Station Without RFID (GE EVPN3) Note: 208 to 240 volt, 30 amp, 1 phase. Excludes pole.	2,445.06	69.16
11 11 36 13-0007	EA	Single Pole Mounted Electric Vehicle Charging Station With RFID (GE EVPRN3) Note: 208 to 240 volt, 30 amp, 1 phase. Excludes pole.	4,669.94	69.16
11 11 36 13-0008	EA	Single Wall Mounted Electric Vehicle Charging Station Without RFID (GE EVWN3) Note: 208 to 240 volt, 30 amp, 1 phase.	2,392.71	92.22
11 11 36 13-0009	EA	Single Wall Mounted Electric Vehicle Charging Station With RFID (GE EVWRN3) Note: 208 to 240 volt, 30 amp, 1 phase.	4,530.93	92.22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 11 36 13-0010		**Electric Vehicle Charging Stations (AeroVironment)** *(11 11 36 13)*		
		Note: Can be configured as Level 1 (16 Amps, 120 VAC) or Level 2 (16 Amps, 240 VAC).		
11 11 36 13-0011	EA	Module Electric Vehicle Charging Station (AeroVironment TurboDock Module)	1,900.84	46.11
		Note: Includes charging station only. Excludes mounting bracket or pedestal.		
11 11 36 13-0012	EA	Single Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	2,744.62	92.22
		Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0013	EA	Dual Wall Mount Electric Vehicle Charging Station (AeroVironment TurboDock Wall Mount)	4,553.24	115.27
		Note: Includes charging station(s) and wall mounting bracket that can hold up to two charging modules.		
11 11 36 13-0014	EA	Single Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	2,929.06	138.33
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0015	EA	Dual Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	4,737.67	161.38
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0016	EA	Triple Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	6,546.29	184.44
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0017	EA	Quad Pedestal Mount Electric Vehicle Charging Station (AeroVironment TurboDock Pedestal)	8,354.91	207.49
		Note: Includes charging station(s), pedestal and mounting bracket that can hold up to four charging modules.		
11 11 36 13-0018		**Electric Vehicle Charging Stations (Leviton)** *(11 11 36 13)*		
11 11 36 13-0019	EA	Single Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG1-000)	4,457.87	92.22
		Note: 208 to 240 volt, 30 amp, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*2,868.84*	
		For Bollard Cap (Leviton CPCAP-B), Add	*263.64*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,982.76*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*263.64*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,808.04*	
11 11 36 13-0020	EA	Single Port, Electric Vehicle Charging Station, Non-Gateway LAN (Leviton evr-green® 4000 CPHD1-000)	3,555.99	92.22
		Note: 208 to 240 volt, 30 amp, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*2,868.84*	
		For Bollard Cap (Leviton CPCAP-B), Add	*263.64*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,982.76*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*263.64*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,808.04*	
11 11 36 13-0021	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHG2-000)	8,760.63	115.27
		Note: 208 to 240 volt, 30 amp, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*2,868.84*	
		For Bollard Cap (Leviton CPCAP-B), Add	*263.64*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,982.76*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*263.64*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,808.04*	
11 11 36 13-0022	EA	Dual Port, Electric Vehicle Charging Station, Gateway (Leviton evr-green® 4000 CPHD2-000)	7,855.83	115.27
		Note: 208 to 240 volt, 30 amp, 1 phase.		
		For Bollard Body (Leviton CPMBX-000), Add	*2,868.84*	
		For Bollard Cap (Leviton CPCAP-B), Add	*263.64*	
		For Wall Mounting Body (Leviton CPMEX-000), Add	*1,982.76*	
		For Wall Mounting Cap (Leviton CPCAP-W), Add	*263.64*	
		For Cord Management Kit (Leviton CPCBX-000), Add	*1,808.04*	
11 11 36 13-0023	EA	Bollard Mounting Body For Charging Station (Leviton CPMBX-000)	3,237.71	138.33
		For Cap, Add	*263.64*	
11 11 36 13-0024	EA	Wall Mounting Body For Charging Station (Leviton CPMEX-000)	2,351.63	138.33
		For Cap, Add	*263.64*	
11 11 36 13-0025	EA	Cord Management Kit For Charging Station (Leviton CPCBX-000)	1,992.48	92.22
		For Cap, Add	*263.64*	

11 12 Parking Control Equipment *(11 10)*

11 12 13 Parking Key and Card Control Units *(11 12)*

11 12 13 00-0001	EA	Card Access Control System, Surface Mounted	1,079.11	80.14
		Note: Entracomp 26SA-SM.		
11 12 13 00-0002	EA	Card Access Control System, Flush Mounted	1,191.20	80.14
		Note: Entracomp 26SA-FM.		
11 12 13 00-0003	EA	Card Access Control System, Flush Mounted	1,361.64	80.14
		Note: Entracomp 26SA-MH.		

11 12 16 Parking Ticket Dispensers *(11 12)*

11 12 16 00-0001		**Parking Ticket Dispensers** *(11 12 16)*		
11 12 16 00-0002	EA	Standard Parking Ticket Dispenser With Time/Date Stamp	7,611.78	192.35
11 12 16 00-0003	EA	Rate Computing Parking Ticket Dispenser With Printer	10,179.96	192.35

11 12 23 Parking Meters *(11 12)*

11 12 23 00-0001		**Parking Meters** *(11 12 23)*		
11 12 23 00-0002	EA	Removal Of Parking Meter For Replacement Or Reinstall Existing Meter	192.43	

11 12 26 Parking Fee Collection Equipment *(11 12)*

11 12 26 13 Parking Fee Coin Collection Equipment *(11 12 26)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 12 26 13-0001		Parking Fee Collection Equipment *(11 12 26 13)*		
11 12 26 13-0002	EA	Multiple Station Slot Box For Parking Fee Collection	1,828.50	65.18

11 12 33 Parking Gates *(11 12)*

11 12 33 13 Lift Arm Parking Gates *(11 12 33)*

11 12 33 13-0001 Barrier Parking Gate Operators *(11 12 33 13)*

11 12 33 13-0002 Barrier Parking Gate Operators *(11 12 33 13-0001)*

Note: Includes operator and barrier arm. Excludes access controls and concrete foundation.

11 12 33 13-0003	EA	12' Plastic Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	4,273.39	266.65
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0004	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	4,258.14	266.65
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0005	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1601-080)	4,451.25	266.65
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0006	EA	20' Three Piece Wood Arm, 1 HP, 115 Volt AC, Barrier Parking Gate Operator (DKS™ DoorKing® 1602-080)	6,353.03	266.65
		For 230/460 Volt AC, Add	*322.50*	
11 12 33 13-0007	EA	14' Wood Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	5,795.13	266.65
11 12 33 13-0008	EA	14' Aluminum Arm, 1/3 HP, 115 Volt AC, Barrier Parking Gate Operator With Two Built-In Vehicle Detectors (Federal APD G-90 CD)	6,100.03	266.65

11 12 33 13-0009 Barrier Parking Gate Operators With Tire Shredding Traffic Control Spikes *(11 12 33 13-0001)*

Note: Includes operator, barrier arm and tire shredding traffic control spikes. Excludes access controls and concrete foundation.

11 12 33 13-0010	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	13,122.94	533.30
11 12 33 13-0011	EA	14' Wood Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	15,363.92	533.30
11 12 33 13-0012	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 6' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	13,237.28	533.30
11 12 33 13-0013	EA	14' Aluminum Arm, 1/2 HP, 115 Volt AC, Barrier Parking Gate Operator With 9' Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603-080)	15,478.26	533.30

11 12 33 13-0014 Barrier Parking Gate Operator Accessories *(11 12 33 13-0001)*

11 12 33 13-0015	EA	12' Plastic Replacement Arm For Barrier Parking Gate Operators	168.06	20.51
11 12 33 13-0016	EA	14' Wood Replacement Arm For Barrier Parking Gate Operators	152.82	20.51
11 12 33 13-0017	EA	14' Aluminum Replacement Arm For Barrier Parking Gate Operators	345.92	20.51
11 12 33 13-0018	EA	20' Three Piece Wood Replacement Arm For Barrier Parking Gate Operators	517.43	20.51
11 12 33 13-0019	EA	Folding Wood Replacement Arm For Barrier Parking Gate Operators	472.96	20.51
11 12 33 13-0020	EA	Folding Plastic Replacement Arm For Barrier Parking Gate Operators	472.96	20.51
11 12 33 13-0021	EA	Folding Aluminum Replacement Arm For Barrier Parking Gate Operators	574.60	20.51
11 12 33 13-0022	EA	Heater Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-092)	531.95	123.05
11 12 33 13-0023	EA	Fan Kit For Barrier Parking Gate Operators (DKS™ DoorKing® 1601-093)	531.95	123.05
11 12 33 13-0024	EA	Single Channel Detector Loop For Barrier Parking Gate Operators (DKS™ DoorKing® 9410-010)	540.57	
11 12 33 13-0025	EA	Two Channel Detector Loop For Barrier Parking Gate Operators (Federal APD DLD-10B)	1,232.18	
11 12 33 13-0026	EA	36" Tall, Gooseneck Style, Single Mount, 2" x 2" Steel, Exterior Mounting Post For Gate Operator Access Controls (Federal APD)	715.97	20.51

Note: Includes mounting plate and hardware. Excludes concrete foundation.

11 12 36 Tire Shredders *(11 12)*

11 12 36 00-0001 Tire Shredding Traffic Control Spikes *(11 12 36)*

11 12 36 00-0002 Flush Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*

11 12 36 00-0003	EA	6' Section, Flush Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-081)	2,043.20	328.13

11 12 36 00-0004 Surface Mount, Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*

11 12 36 00-0005	EA	3' Section With End Caps, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-088)	3,594.22	164.07
11 12 36 00-0006	EA	3' Add-On Section, Surface Mount, Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1610-087)	2,577.88	164.07

11 12 36 00-0007 Warning Signs And Signals For Tire Shredding Traffic Control Spikes *(11 12 36 00-0001)*

11 12 36 00-0008	EA	Warning Sign For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1615)	1,609.45	61.53
		Note: Includes light and mounting post.		
11 12 36 00-0009	EA	Traffic Light Assembly For Tire Shredding Traffic Control Spikes (DKS™ DoorKing® 1603)	1,320.16	82.03
		Note: Includes mounting post and hardware.		

11 13 Loading Dock Equipment *(11 10)*

11 13 13 Loading Dock Bumpers *(11 13)*

11 13 13 00-0001 Laminated Rubber Dock Bumpers *(11 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 13 00-0002		**4-1/2" Projection, Laminated Rubber Dock Bumpers** *(11 13 13 00-0001)*		
11 13 13 00-0003	EA	14" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	126.82	18.57
11 13 13 00-0004	EA	24" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	161.34	18.57
11 13 13 00-0005	EA	36" x 6", 4-1/2" Projection, Laminated Rubber Dock Bumper	210.03	18.57
11 13 13 00-0006	EA	12" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	141.53	18.57
11 13 13 00-0007	EA	14" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	153.73	18.57
11 13 13 00-0008	EA	18" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.53	18.57
11 13 13 00-0009	EA	24" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	210.03	18.57
11 13 13 00-0010	EA	36" x 10", 4-1/2" Projection, Laminated Rubber Dock Bumper	287.93	18.57
11 13 13 00-0011	EA	12" x 12", 4-1/2" Projection, Laminated Rubber Dock Bumper	161.01	18.57
11 13 13 00-0012	EA	12" x 14", 4-1/2" Projection, Laminated Rubber Dock Bumper	175.53	18.57
11 13 13 00-0013	EA	12" x 18", 4-1/2" Projection, Laminated Rubber Dock Bumper	216.96	18.57
11 13 13 00-0014	EA	12" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	246.34	18.57
11 13 13 00-0015	EA	12" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	341.74	18.57
11 13 13 00-0016	EA	11" x 20", 4-1/2" Projection, Laminated Rubber Dock Bumper	199.79	18.57
11 13 13 00-0017	EA	11" x 24", 4-1/2" Projection, Laminated Rubber Dock Bumper	233.96	18.57
11 13 13 00-0018	EA	11" x 36", 4-1/2" Projection, Laminated Rubber Dock Bumper	306.75	18.57
11 13 13 00-0019		**6" Projection, Laminated Rubber Dock Bumpers** *(11 13 13 00-0001)*		
11 13 13 00-0020	EA	12" x 10", 6" Projection, Laminated Rubber Dock Bumper	181.55	18.57
11 13 13 00-0021	EA	14" x 10", 6" Projection, Laminated Rubber Dock Bumper	193.60	18.57
11 13 13 00-0022	EA	18" x 10", 6" Projection, Laminated Rubber Dock Bumper	222.65	18.57
11 13 13 00-0023	EA	24" x 10", 6" Projection, Laminated Rubber Dock Bumper	266.89	18.57
11 13 13 00-0024	EA	36" x 10", 6" Projection, Laminated Rubber Dock Bumper	364.76	18.57
11 13 13 00-0025	EA	12" x 12", 6" Projection, Laminated Rubber Dock Bumper	208.29	18.57
11 13 13 00-0026	EA	14" x 12", 6" Projection, Laminated Rubber Dock Bumper	218.20	18.57
11 13 13 00-0027	EA	18" x 12", 6" Projection, Laminated Rubber Dock Bumper	257.48	18.57
11 13 13 00-0028	EA	24" x 12", 6" Projection, Laminated Rubber Dock Bumper	316.07	18.57
11 13 13 00-0029	EA	36" x 12", 6" Projection, Laminated Rubber Dock Bumper	480.14	18.57
11 13 13 00-0030	EA	11" x 20", 6" Projection, Laminated Rubber Dock Bumper	267.05	18.57
11 13 13 00-0031	EA	11" x 24", 6" Projection, Laminated Rubber Dock Bumper	306.34	18.57
11 13 13 00-0032	EA	11" x 36", 6" Projection, Laminated Rubber Dock Bumper	311.57	18.57
11 13 13 00-0033		**Extruded Rubber Dock Bumpers** *(11 13 13)*		
11 13 13 00-0034		**1-3/4" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0035	EA	12" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	64.51	18.57
11 13 13 00-0036	EA	18" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	69.36	18.57
11 13 13 00-0037	EA	24" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	75.83	18.57
11 13 13 00-0038	EA	36" x 2", 1-3/4" Projection, Extruded Rubber Dock Bumper	82.30	18.57
11 13 13 00-0039		**4" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0040	EA	12" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	89.88	18.57
11 13 13 00-0041	EA	18" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	110.28	18.57
11 13 13 00-0042	EA	24" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	116.16	18.57
11 13 13 00-0043	EA	36" x 4-1/2", 4" Projection, Extruded Rubber Dock Bumper	129.54	18.57
11 13 13 00-0044		**6" Projection, Extruded Rubber Dock Bumpers** *(11 13 13 00-0033)*		
11 13 13 00-0045	EA	12" x 6", 6" Projection, Extruded Rubber Dock Bumper	110.82	18.57
11 13 13 00-0046	EA	18" x 6", 6" Projection, Extruded Rubber Dock Bumper	138.31	18.57
11 13 13 00-0047	EA	24" x 6", 6" Projection, Extruded Rubber Dock Bumper	160.96	18.57
11 13 13 00-0048	EA	36" x 6", 6" Projection, Extruded Rubber Dock Bumper	204.17	18.57
11 13 13 00-0049		**Molded Rubber Dock Bumpers** *(11 13 13)*		
11 13 13 00-0050		**Rectangular Molded Rubber Dock Bumpers** *(11 13 13 00-0049)*		
11 13 13 00-0051	EA	18" x 8", 2" Projection, Rectangular Molded Rubber Dock Bumper	94.16	18.57
11 13 13 00-0052	EA	10" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	81.66	18.57
11 13 13 00-0053	EA	20" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	110.17	18.57
11 13 13 00-0054	EA	30" x 4-1/2", 3" Projection, Rectangular Molded Rubber Dock Bumper	138.92	18.57
11 13 13 00-0055	EA	24" x 12", 3" Projection, Rectangular Molded Rubber Dock Bumper	145.71	18.57
11 13 13 00-0056	EA	13" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	106.90	18.57
11 13 13 00-0057	EA	18" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	140.06	18.57
11 13 13 00-0058	EA	30" x 10", 4" Projection, Rectangular Molded Rubber Dock Bumper	208.33	18.57
11 13 13 00-0059	EA	13" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	116.82	18.57
11 13 13 00-0060	EA	24" x 12", 4" Projection, Rectangular Molded Rubber Dock Bumper	177.46	18.57
11 13 13 00-0061	EA	18" x 18", 4" Projection, Rectangular Molded Rubber Dock Bumper	176.87	18.57
11 13 13 00-0062	EA	24" x 12", 6" Projection, Rectangular Molded Rubber Dock Bumper	271.23	18.57
11 13 13 00-0063		**T And L Shaped Rubber Dock Bumpers** *(11 13 13 00-0049)*		
11 13 13 00-0064	EA	22" x 22", 3" Projection, T Shaped Molded Rubber Dock Bumper	167.53	18.57
11 13 13 00-0065	EA	18" x 18", 4" Projection, L Shaped Molded Rubber Dock Bumper	155.34	18.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 13 16 Loading Dock Seals and Shelters *(11 13)*

11 13 16 13 Loading Dock Seals *(11 13 16)*

11 13 16 13-0001 Vinyl Loading Dock Seals *(11 13 16 13)*

11 13 16 13-0002 Standard Vinyl Loading Dock Seals *(11 13 16 13-0001)*

11 13 16 13-0003	LF	10" Projection, Standard, Vinyl Loading Dock Seal	87.78	18.57
11 13 16 13-0004	LF	11" Projection, Standard, Vinyl Loading Dock Seal	89.02	18.57
11 13 16 13-0005	LF	12" Projection, Standard, Vinyl Loading Dock Seal	90.26	18.57
11 13 16 13-0006	LF	13" Projection, Standard, Vinyl Loading Dock Seal	92.73	18.57
11 13 16 13-0007	LF	14" Projection, Standard, Vinyl Loading Dock Seal	95.21	18.57
11 13 16 13-0008	LF	15" Projection, Standard, Vinyl Loading Dock Seal	97.72	18.57
11 13 16 13-0009	LF	16" Projection, Standard, Vinyl Loading Dock Seal	100.23	18.57
11 13 16 13-0010	LF	17" Projection, Standard, Vinyl Loading Dock Seal	102.81	18.57
11 13 16 13-0011	LF	18" Projection, Standard, Vinyl Loading Dock Seal	105.39	18.57
11 13 16 13-0012	LF	19" Projection, Standard, Vinyl Loading Dock Seal	107.86	18.57
11 13 16 13-0013	LF	20" Projection, Standard, Vinyl Loading Dock Seal	110.34	18.57
11 13 16 13-0014	LF	22" Projection, Standard, Vinyl Loading Dock Seal	115.36	18.57

11 13 16 13-0015 8" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*

11 13 16 13-0016	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	102.50	18.57
11 13 16 13-0017	LF	11" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	103.74	18.57
11 13 16 13-0018	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	104.97	18.57
11 13 16 13-0019	LF	13" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	107.48	18.57
11 13 16 13-0020	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	109.99	18.57
11 13 16 13-0021	LF	15" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	112.47	18.57
11 13 16 13-0022	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	114.95	18.57
11 13 16 13-0023	LF	17" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.46	18.57
11 13 16 13-0024	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	119.97	18.57
11 13 16 13-0025	LF	19" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	122.44	18.57
11 13 16 13-0026	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	124.99	18.57
11 13 16 13-0027	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal	129.94	18.57

11 13 16 13-0028 4" Exposure Wear Pleats, Vinyl Loading Dock Seals *(11 13 16 13-0001)*

11 13 16 13-0029	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	110.34	18.57
11 13 16 13-0030	LF	11" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	111.61	18.57
11 13 16 13-0031	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	112.88	18.57
11 13 16 13-0032	LF	13" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	115.36	18.57
11 13 16 13-0033	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	117.83	18.57
11 13 16 13-0034	LF	15" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	120.35	18.57
11 13 16 13-0035	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	122.86	18.57
11 13 16 13-0036	LF	17" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	125.33	18.57
11 13 16 13-0037	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	127.81	18.57
11 13 16 13-0038	LF	19" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	130.32	18.57
11 13 16 13-0039	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	132.83	18.57
11 13 16 13-0040	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal	137.92	18.57

11 13 16 13-0041 Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13)*

11 13 16 13-0042 Standard, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*

11 13 16 13-0043	LF	10" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	81.23	18.57
11 13 16 13-0044	LF	12" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	83.17	18.57
11 13 16 13-0045	LF	14" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	87.48	18.57
11 13 16 13-0046	LF	16" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	91.72	18.57
11 13 16 13-0047	LF	18" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	96.08	18.57
11 13 16 13-0048	LF	20" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	100.33	18.57
11 13 16 13-0049	LF	22" Projection, Standard, Vinyl Loading Dock Seal With Drape Curtain	104.63	18.57

11 13 16 13-0050 8" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*

11 13 16 13-0051	LF	10" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	95.14	18.57
11 13 16 13-0052	LF	12" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	97.14	18.57
11 13 16 13-0053	LF	14" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	101.45	18.57
11 13 16 13-0054	LF	16" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	105.75	18.57
11 13 16 13-0055	LF	18" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	109.99	18.57
11 13 16 13-0056	LF	20" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	114.30	18.57
11 13 16 13-0057	LF	22" Projection, 8" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	118.54	18.57

11 13 16 13-0058 4" Exposure Wear Pleats, Vinyl Loading Dock Seals With Drape Curtain *(11 13 16 13-0041)*

11 13 16 13-0059	LF	10" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	102.69	18.57
11 13 16 13-0060	LF	12" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	104.63	18.57
11 13 16 13-0061	LF	14" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	108.99	18.57
11 13 16 13-0062	LF	16" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	113.24	18.57
11 13 16 13-0063	LF	18" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	117.54	18.57
11 13 16 13-0064	LF	20" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	121.78	18.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 16 13-0065	LF	22" Projection, 4" Exposure Wear Pleats, Vinyl Loading Dock Seal With Drape Curtain	126.15	18.57

11 13 16 23 Loading Dock Shelters *(11 13 16)*

11 13 16 23-0001 Retractable Vinyl Loading Dock Shelter *(11 13 16 23)*

11 13 16 23-0002	LF	Retractable Vinyl Dock Shelters, Scissor Arms	139.02	23.21

11 13 16 23-0003 Rigid Loading Dock Shelters *(11 13 16 23)*

11 13 16 23-0004	LF	18" Projection, Rigid Loading Dock Shelter	102.45	22.28
11 13 16 23-0005	LF	24" Projection, Rigid Loading Dock Shelter	107.02	22.28
11 13 16 23-0006	LF	30" Projection, Rigid Loading Dock Shelter	111.13	23.21
11 13 16 23-0007	LF	36" Projection, Rigid Loading Dock Shelter	114.28	23.21

11 13 19 Stationary Loading Dock Equipment *(11 13)*

Note: Includes all anchor bolts and fasteners.

11 13 19 13 Loading Dock Levelers *(11 13 19)*

11 13 19 13-0001 Hydraulic Dock Levelers *(11 13 19 13)*

Note: Excludes control panel, remote operator, and electrical wiring.

11 13 19 13-0002 20,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0003	EA	6' x 6', 20,000 LB Hydraulic Dock Leveler	6,499.89	801.63
11 13 19 13-0004	EA	6' x 8', 20,000 LB Hydraulic Dock Leveler	6,956.70	890.69
11 13 19 13-0005	EA	6' x 10', 20,000 LB Hydraulic Dock Leveler	8,499.42	1,068.83
11 13 19 13-0006	EA	7' x 6', 20,000 LB Hydraulic Dock Leveler	6,915.88	890.69
11 13 19 13-0007	EA	7' x 8', 20,000 LB Hydraulic Dock Leveler	7,509.26	979.76
11 13 19 13-0008	EA	7' x 10', 20,000 LB Hydraulic Dock Leveler	9,001.43	1,157.90

11 13 19 13-0009 25,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0010	EA	6' x 6', 25,000 LB Hydraulic Dock Leveler	6,628.90	801.63
11 13 19 13-0011	EA	6' x 8', 25,000 LB Hydraulic Dock Leveler	7,089.30	890.69
11 13 19 13-0012	EA	6' x 10', 25,000 LB Hydraulic Dock Leveler	8,623.65	1,068.83
11 13 19 13-0013	EA	7' x 6', 25,000 LB Hydraulic Dock Leveler	7,041.21	890.69
11 13 19 13-0014	EA	7' x 8', 25,000 LB Hydraulic Dock Leveler	7,624.77	979.76
11 13 19 13-0015	EA	7' x 10', 25,000 LB Hydraulic Dock Leveler	9,245.22	1,157.90

11 13 19 13-0016 30,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0017	EA	6' x 6', 30,000 LB Hydraulic Dock Leveler	6,949.27	935.23
11 13 19 13-0018	EA	6' x 8', 30,000 LB Hydraulic Dock Leveler	7,394.54	1,068.83
11 13 19 13-0019	EA	6' x 10', 30,000 LB Hydraulic Dock Leveler	8,997.45	1,246.97
11 13 19 13-0020	EA	7' x 6', 30,000 LB Hydraulic Dock Leveler	7,394.54	1,068.83
11 13 19 13-0021	EA	7' x 8', 30,000 LB Hydraulic Dock Leveler	7,951.10	1,202.43
11 13 19 13-0022	EA	7' x 10', 30,000 LB Hydraulic Dock Leveler	9,554.02	1,291.51

11 13 19 13-0023 35,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0024	EA	6' x 6', 35,000 LB Hydraulic Dock Leveler	7,190.67	979.76
11 13 19 13-0025	EA	6' x 8', 35,000 LB Hydraulic Dock Leveler	7,637.26	1,113.37
11 13 19 13-0026	EA	6' x 10', 35,000 LB Hydraulic Dock Leveler	8,614.81	1,291.51
11 13 19 13-0027	EA	7' x 6', 35,000 LB Hydraulic Dock Leveler	7,637.26	1,113.37
11 13 19 13-0028	EA	7' x 8', 35,000 LB Hydraulic Dock Leveler	8,295.80	1,246.97
11 13 19 13-0029	EA	7' x 10', 35,000 LB Hydraulic Dock Leveler	9,937.91	1,336.04

11 13 19 13-0030 40,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0031	EA	6' x 6', 40,000 LB Hydraulic Dock Leveler	7,595.78	979.76
11 13 19 13-0032	EA	6' x 8', 40,000 LB Hydraulic Dock Leveler	8,041.73	1,113.37
11 13 19 13-0033	EA	6' x 10', 40,000 LB Hydraulic Dock Leveler	9,672.06	1,291.51
11 13 19 13-0034	EA	7' x 6', 40,000 LB Hydraulic Dock Leveler	8,041.73	1,113.37
11 13 19 13-0035	EA	7' x 8', 40,000 LB Hydraulic Dock Leveler	8,701.07	1,246.97
11 13 19 13-0036	EA	7' x 10', 40,000 LB Hydraulic Dock Leveler	10,342.90	1,336.04

11 13 19 13-0037 45,000 LB Hydraulic Dock Levelers *(11 13 19 13-0001)*

11 13 19 13-0038	EA	6' x 6', 45,000 LB Hydraulic Dock Leveler	7,947.67	1,024.30
11 13 19 13-0039	EA	6' x 8', 45,000 LB Hydraulic Dock Leveler	8,401.83	1,157.90
11 13 19 13-0040	EA	6' x 10', 45,000 LB Hydraulic Dock Leveler	10,022.58	1,336.04
11 13 19 13-0041	EA	7' x 6', 45,000 LB Hydraulic Dock Leveler	8,403.18	1,157.90
11 13 19 13-0042	EA	7' x 8', 45,000 LB Hydraulic Dock Leveler	9,056.37	1,291.51
11 13 19 13-0043	EA	7' x 10', 45,000 LB Hydraulic Dock Leveler	10,686.02	1,380.57

11 13 19 13-0044 Manual Dock Levelers *(11 13 19 13)*

11 13 19 13-0045 20,000 LB Manual Dock Levelers *(11 13 19 13-0044)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 19 13-0046	EA	6' x 6', 20,000 LB Manual Dock Leveler	5,181.88	801.63
11 13 19 13-0047	EA	6' x 8', 20,000 LB Manual Dock Leveler	5,647.02	890.69
11 13 19 13-0048	EA	6' x 10', 20,000 LB Manual Dock Leveler	7,181.41	1,068.83
11 13 19 13-0049	EA	7' x 6', 20,000 LB Manual Dock Leveler	5,599.06	890.69
11 13 19 13-0050	EA	7' x 8', 20,000 LB Manual Dock Leveler	6,191.25	979.76
11 13 19 13-0051	EA	7' x 10', 20,000 LB Manual Dock Leveler	7,817.84	1,068.83
11 13 19 13-0052		**40,000 LB Manual Dock Levelers** *(11 13 19 13-0044)*		
11 13 19 13-0053	EA	6' x 6', 40,000 LB Manual Dock Leveler	6,394.34	890.69
11 13 19 13-0054	EA	6' x 8', 40,000 LB Manual Dock Leveler	6,840.29	979.76
11 13 19 13-0055	EA	6' x 10', 40,000 LB Manual Dock Leveler	7,450.00	1,157.90
11 13 19 13-0056	EA	7' x 6', 40,000 LB Manual Dock Leveler	6,840.29	979.76
11 13 19 13-0057	EA	7' x 8', 40,000 LB Manual Dock Leveler	7,772.04	1,068.83
11 13 19 13-0058	EA	7' x 10', 40,000 LB Manual Dock Leveler	9,141.46	1,246.97
11 13 19 13-0059		**Edge Of Dock Levelers** *(11 13 19 13)*		
		Note: Mounted on face of dock, single torsion bar counter balance, includes bumpers.		
11 13 19 13-0060		**Hydraulic Edge Of Dock Levelers** *(11 13 19 13-0059)*		
		Note: Excludes control panel, remote operator, and electrical wiring.		
11 13 19 13-0061	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2066)	4,271.83	267.21
11 13 19 13-0062	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2072)	4,600.64	267.21
11 13 19 13-0063	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2566)	4,553.05	267.21
11 13 19 13-0064	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Hydraulic (Vestil PE-2572)	5,004.44	267.21
11 13 19 13-0065	EA	66" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED6620)	3,503.25	267.21
11 13 19 13-0066	EA	72" Usable Width, 20,000 LB Conventional Trailer, HED Series Edge Of Dock Leveler, Hydraulic (DLM HED7220)	3,692.45	267.21
11 13 19 13-0067		**Manual Edge Of Dock Levelers** *(11 13 19 13-0059)*		
11 13 19 13-0068	EA	66" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2066)	2,177.28	267.21
11 13 19 13-0069	EA	72" Usable Width, 20,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2072)	2,375.36	267.21
11 13 19 13-0070	EA	66" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2566)	2,435.94	267.21
11 13 19 13-0071	EA	72" Usable Width, 25,000 LB Edge Of Dock Leveler, Manual (Vestil FM-2572)	2,584.49	267.21
11 13 19 13-0072	EA	66" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP66)	1,989.65	267.21
11 13 19 13-0073	EA	72" Usable Width, 25,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 25EP72)	2,239.35	267.21
11 13 19 13-0074	EA	78" Usable Width, 25,000 LB Conventional Trailer, Edge Of Dock Leveler, Manual (Bluff Manufacturing 25EP78)	2,423.05	267.21
11 13 19 13-0075	EA	72" Usable Width, 30,000 LB Conventional Trailer, Edge of Dock Leveler, Manual (Bluff Manufacturing 30EP72)	2,449.45	267.21
11 13 19 13-0076	EA	66" Usable Width, 20,000 LB Refrigerated Truck, Edge of Dock Leveler, Manual (Bluff Manufacturing 20EP66-R)	2,198.65	267.21
11 13 19 13-0077	EA	78" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP78-R)	2,960.95	267.21
11 13 19 13-0078	EA	72" Usable Width, 30,000 LB Refrigerated Truck, Edge Of Dock Leveler, Manual (Bluff Manufacturing 30EP72-R)	2,797.05	267.21
11 13 19 23		**Stationary Loading Dock Lifts** *(11 13 19)*		
11 13 19 23-0001		**Top Of Ground, Fixed Platform Lifts** *(11 13 19 23)*		
11 13 19 23-0002	EA	6' x 8', 5,500 LB Top Of Ground, Fixed Platform Lift	17,367.57	187.33
11 13 19 23-0003		**Pit Mounted, Fixed Platform Lifts** *(11 13 19 23)*		
11 13 19 23-0004	EA	6' x 8', 5,000 LB Fixed Platform Lift, Pit Mounted	11,820.01	187.33
11 13 19 23-0005	EA	6' x 8', 8,000 LB Fixed Platform Lift, Pit Mounted	21,346.04	280.99
11 13 19 23-0006	EA	7' x 12', 15,000 LB Fixed Platform Lift, Pit Mounted	37,429.44	561.97
11 13 19 23-0007	EA	8' x 20', 15,000 LB Fixed Platform Lift, Pit Mounted	39,184.12	749.29
11 13 19 26		**Loading Dock Truck Lifts** *(11 13 19)*		
11 13 19 26-0001		**Hydraulic Truck Lifts** *(11 13 19 26)*		
11 13 19 26-0002	EA	10' x 15', 60,000 LB Platform Truck Lift	34,473.20	1,608.88
11 13 19 26-0003	EA	10' x 20', 60,000 LB Platform Truck Lift	39,408.17	1,930.66
11 13 19 33		**Loading Dock Truck Restraints** *(11 13 19)*		
11 13 19 33-0001		**Truck Restraint System** *(11 13 19 33)*		
11 13 19 33-0002	EA	Truck Restraint System (Poweramp Powerstop AAL)	8,022.87	334.00
		Note: Includes push button controls, warning lights, alarms, 30,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 19 33-0003	EA	Rotating Hook Truck Restraint System (Kelley Star 4)	6,555.65	334.00
		Note: Includes push button controls, warning lights, alarms, 32,000 LB holding force, all mounting plates, bolts, welds, warning signs, gasketed weatherproof box for controls, 120 V UL listed.		
11 13 23		**Portable Dock Equipment** *(11 13)*		
11 13 23 23		**Portable Dock Platforms** *(11 13 23)*		
11 13 23 23-0001	EA	6' x 6', 5,000 LB Capacity Portable Platform Lift	11,484.09	102.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 13 26		**Loading Dock Lights** *(11 13)*		
11 13 26 00-0001		Communication Lights *(11 13 26)*		
11 13 26 00-0002	EA	Console Controlled, Dock Communication Light, Stop And Go Red Light Style, 12 Or 24 Volt DC Or 115 Volt AC Note: Excludes control console.	286.31	80.14
11 13 26 00-0003	EA	Toggle Switch Controlled, Dock Communication Light, Stop And Go Red Light Style, With Solid State Flasher, 12 Or 24 Volt DC Or 115 Volt AC.	349.20	80.14
11 13 26 00-0004	EA	Dock Guide Light For Truck Backing	164.36	64.12
11 13 26 00-0005		Communication Lights Controls *(11 13 26)*		
11 13 26 00-0006	EA	Dock Communication Lights Control Console For Up To Two Docks	321.54	106.86
11 13 26 00-0007		Loading Dock Lights *(11 13 26)*		
11 13 26 00-0008		Incandescent Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0009	EA	24" Long, Single Arm Loading Dock Light, 300W Incandescent	438.66	106.86
11 13 26 00-0010	EA	40" Long, Dual Arm Loading Dock Light, 300W Incandescent	387.13	106.86
11 13 26 00-0011	EA	60" Long, Dual Arm Loading Dock Light, 300W Incandescent	517.12	106.86
11 13 26 00-0012		Metal Halide Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0013	EA	24" Long, Single Arm Loading Dock Light, 100W Metal Halide	616.77	106.86
11 13 26 00-0014	EA	40" Long, Dual Arm Loading Dock Light, 100W Metal Halide	677.84	106.86
11 13 26 00-0015	EA	60" Long, Dual Arm Loading Dock Light, 100W Metal Halide	726.68	106.86
11 13 26 00-0016		Quartz Halogen Loading Dock Lights *(11 13 26 00-0007)*		
11 13 26 00-0017	EA	24" Long, Single Arm Loading Dock Light, 500W Quartz Halogen	380.26	106.86
11 13 26 00-0018	EA	40" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	418.90	106.86
11 13 26 00-0019	EA	60" Long, Dual Arm Loading Dock Light, 500W Quartz Halogen	451.88	106.86
11 14		Pedestrian Control Equipment *(11 10)*		
11 14 13		**Pedestrian Gates** *(11 14)*		
11 14 13 16		**Rotary Gates** *(11 14 13)*		
11 14 13 16-0001		Access Control Indoor Or Outdoor Impenetrability *(11 14 13 16)*		
11 14 13 16-0002		Mechanical *(11 14 13 16-0001)*		
11 14 13 16-0003		Galvanized Steel *(11 14 13 16-0002)*		
11 14 13 16-0004	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Galvanized Steel	8,524.46	1,245.51
11 14 13 16-0005	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	9,567.09	1,245.51
11 14 13 16-0006	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 4 Rotor Sections, Galvanized Steel	18,834.86	1,858.25
11 14 13 16-0007	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Or 4 Rotor Sections, Galvanized Steel	18,259.88	1,858.25
11 14 13 16-0008		Powder Coated Steel *(11 14 13 16-0002)*		
11 14 13 16-0009	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	9,580.50	1,245.51
11 14 13 16-0010	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Powder Coated Steel	10,582.89	1,245.51
11 14 13 16-0011	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	22,114.16	1,858.25
11 14 13 16-0012	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Powder Coated Steel	19,992.49	1,858.25
11 14 13 16-0013		Anodized Aluminum *(11 14 13 16-0002)*		
11 14 13 16-0014	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	10,038.57	1,245.51
11 14 13 16-0015	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	17,055.24	1,245.51
11 14 13 16-0016	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	19,908.16	1,858.25
11 14 13 16-0017	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Complete Anodized Aluminum	33,125.03	1,858.25
11 14 13 16-0018		Stainless Steel *(11 14 13 16-0002)*		
11 14 13 16-0019	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	15,587.13	1,245.51
11 14 13 16-0020	EA	One-Way, Single 7' High Exit Rotary Gate, 4 Rotor Sections, Stainless Steel	17,438.56	1,245.51
11 14 13 16-0021	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	24,967.98	1,858.25
11 14 13 16-0022	EA	One-Way, Double 7' High Exit Rotary Gate, 3 Rotor Sections, Stainless Steel	30,986.10	1,858.25
11 14 13 16-0023		Transparent *(11 14 13 16-0002)*		
11 14 13 16-0024	EA	One-Way, Single 7' High Exit Rotary Gate, 3 Rotor Sections, Transparent	30,471.44	1,245.69
11 14 13 16-0025		Mechanical Options *(11 14 13 16-0001)*		
11 14 13 16-0026	EA	Out-of-Use Lock Option, Add	162.91	
11 14 13 16-0027	EA	Heel Protector (Each Heel Protector), Add	115.00	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0028		**Electrical, One-Way** *(11 14 13 16-0001)*		
11 14 13 16-0029		**Galvanized Steel** *(11 14 13 16-0028)*		
11 14 13 16-0030	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	8,986.36	1,245.51
11 14 13 16-0031	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	10,030.90	1,245.51
11 14 13 16-0032	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	20,559.80	1,858.25
11 14 13 16-0033	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	19,005.44	1,858.25
11 14 13 16-0034	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	20,559.80	1,858.25
11 14 13 16-0035		**Powder Coated Steel** *(11 14 13 16-0028)*		
11 14 13 16-0036	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	10,040.49	1,245.51
11 14 13 16-0037	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	11,207.70	1,245.51
11 14 13 16-0038	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	27,285.15	1,858.25
11 14 13 16-0039	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	20,747.63	1,858.25
11 14 13 16-0040	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	22,305.82	1,858.25
11 14 13 16-0041		**Anodized Aluminum** *(11 14 13 16-0028)*		
11 14 13 16-0042	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	10,232.15	1,245.51
11 14 13 16-0043	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	10,826.29	1,245.51
11 14 13 16-0044	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	17,630.22	1,245.51
11 14 13 16-0045	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	20,964.20	1,858.25
11 14 13 16-0046	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	23,243.04	1,858.25
11 14 13 16-0047	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	34,119.75	1,858.25
11 14 13 16-0048		**Stainless Steel** *(11 14 13 16-0028)*		
11 14 13 16-0049	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	16,555.01	1,245.51
11 14 13 16-0050	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	17,685.80	1,245.51
11 14 13 16-0051	EA	One-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	28,563.52	1,858.25
11 14 13 16-0052	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	32,463.80	1,858.25
11 14 13 16-0053	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	35,720.11	1,858.25
11 14 13 16-0054		**Transparent** *(11 14 13 16-0028)*		
11 14 13 16-0055	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	27,832.29	1,245.69
11 14 13 16-0056	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	29,434.56	1,245.69
11 14 13 16-0057	EA	One-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	30,134.12	1,245.69
11 14 13 16-0058	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	49,500.46	1,858.25
11 14 13 16-0059	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	52,586.19	1,858.25
11 14 13 16-0060		**Electrical, Two-Way** *(11 14 13 16-0001)*		
11 14 13 16-0061		**Galvanized Steel** *(11 14 13 16-0060)*		
11 14 13 16-0062	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	9,653.33	1,245.51
11 14 13 16-0063	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Galvanized Steel	10,728.55	1,245.51
11 14 13 16-0064	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	24,224.34	1,858.25
11 14 13 16-0065	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Galvanized Steel	20,195.65	1,858.25
11 14 13 16-0066		**Powder Coated Steel** *(11 14 13 16-0060)*		
11 14 13 16-0067	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	10,625.05	1,245.51
11 14 13 16-0068	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Powder Coated Steel	11,859.34	1,245.51
11 14 13 16-0069	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	27,863.96	1,858.25
11 14 13 16-0070	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Powder Coated Steel	21,947.42	1,858.25
11 14 13 16-0071		**Anodized Aluminum** *(11 14 13 16-0060)*		
11 14 13 16-0072	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	10,889.54	1,245.51
11 14 13 16-0073	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	11,456.85	1,245.51
11 14 13 16-0074	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	18,394.95	1,245.51
11 14 13 16-0075	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Anodized Aluminum With Stainless Steel Arms	22,303.91	1,858.25
11 14 13 16-0076	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Complete Anodized Aluminum	35,363.62	1,858.25
11 14 13 16-0077		**Stainless Steel** *(11 14 13 16-0060)*		
11 14 13 16-0078	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	17,202.82	1,245.51
11 14 13 16-0079	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	18,352.78	1,245.51
11 14 13 16-0080	EA	Two-Way, "Handicapped" 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	29,038.84	1,858.25
11 14 13 16-0081	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Stainless Steel	33,422.10	1,858.25
11 14 13 16-0082	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Stainless Steel	37,042.56	1,858.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 14 13 16-0083		**Transparent** *(11 14 13 16-0060)*		
11 14 13 16-0084	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	28,388.10	1,245.69
11 14 13 16-0085	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	29,894.55	1,245.69
11 14 13 16-0086	EA	Two-Way, Single 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Panels	30,758.93	1,245.69
11 14 13 16-0087	EA	Two-Way, Double 7' High Exit Rotary Gate, Electric, 3 Rotor Sections, Transparent Arms	50,669.59	1,858.25
11 14 13 16-0088	EA	One-Way, Double 7' High Exit Rotary Gate, Electric, 4 Rotor Sections, Transparent Arms	53,544.49	1,858.25
11 14 13 16-0089		**Electrical Options** *(11 14 13 16-0001)*		
11 14 13 16-0090	EA	Additional Set Of Electric Controls, Per Rotor, Add	638.23	
11 14 13 16-0091	EA	Indicator Lights, Set, Red/Green, Per Controlled Direction, Add	448.48	
11 14 13 16-0092	EA	Time-Out-Relay, Per Controlled Direction	147.58	
11 14 13 16-0093	EA	Pulse-Relay, Per Controlled Direction	147.58	
11 14 13 16-0094	EA	Pushbutton, Per Controlled Direction	116.91	
11 14 13 16-0095	EA	Heel Protectors, (Per Heel Protector), Add	115.00	
11 14 13 16-0096	EA	Card Reader Mounting Pad, Per Reader	105.41	
11 14 13 16-0097	EA	Hydraulic Speed Control (Per Rotor), Add	2,677.49	
11 14 13 16-0098		**Relocate Rotary Gate** *(11 14 13 16-0001)*		
11 14 13 16-0099	EA	Relocate Rotary Gate	3,658.65	
11 14 13 19		**Turnstiles** *(11 14 13)*		
11 14 13 19-0001		**Turnstiles** *(11 14 13 19)*		
11 14 13 19-0002	EA	24" Diameter Manual Turnstile, Three Arm, Two Way	1,878.93	351.23
11 14 13 19-0003	EA	24" Diameter Manual Turnstile, Three Arm, Two Way With Counter	2,418.59	351.23
11 14 16		**Pedestrian Control Devices** *(11 14)*		
11 14 16 00-0001		**Retractable Barrier** *(11 14 16)*		
11 14 16 00-0002	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 6-1/2' (WG269387BK)	72.69	18.46
11 14 16 00-0003	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 10' (WGB2093791)	123.54	18.46
11 14 16 00-0004	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 15' (WGB2093770)	148.97	18.46
11 14 16 00-0005	EA	Wall Mounted, Retractable Belt Barrier With Receiver; 30' (WGB2093771)	237.98	18.46

11 20 Commercial Equipment *(11)*

11 21 Retail and Service Equipment *(11 20)*

11 21 63 Refrigerated Display Equipment *(11 21)*

11 21 63 00-0001		**Dairy Products** *(11 21 63)*		
11 21 63 00-0002		**Refrigerated Dairy Case** *(11 21 63 00-0001)*		
11 21 63 00-0003	LF	Refrigerated Case, Dairy, Multi-Deck	1,556.66	304.18
		For Rear Sliding Doors, Add	*19.95*	
11 21 63 00-0004		**Refrigerated Milk Unit** *(11 21 63 00-0001)*		
11 21 63 00-0005	EA	46" x 32" x 49-1/2" Capacity: 12, 13" x 13" x 11" Refrigerated Milk Unit	7,301.90	220.60
11 21 63 00-0006		**Refrigerated Ice Cream And Milk Dispenser** *(11 21 63 00-0001)*		
11 21 63 00-0007	EA	63-1/2" x 28-1/2" x 35-3/8" Refrigerated Ice Cream And Milk Dispenser	8,095.58	242.26
11 21 63 00-0008		**Ice Cream Dispenser** *(11 21 63 00-0001)*		
11 21 63 00-0009	EA	46" x 28-1/2" x 35-3/8" Refrigerated Ice Cream Dispenser	6,761.74	203.98
11 21 63 00-0010		**Drop-In Ice Cream Freezer** *(11 21 63 00-0001)*		
11 21 63 00-0011	EA	27-7/8" x 16-9/16" x 28-1/4" 6 Gallon Drop-In Ice Cream Freezer	1,686.24	50.76
11 21 63 00-0012	EA	30" x 27-7/8" x 28-1/4" 12 Gallon Drop-In Ice Cream Freezer	2,203.51	66.38
11 21 63 00-0013		**Ice Cream Cabinets** *(11 21 63 00-0001)*		
11 21 63 00-0014	EA	46" x 32" x 42", 24 Gallon Ice Cream Cabinet	5,281.34	158.65
11 21 63 00-0015	EA	68" x 32" x 42", 48 Gallon Ice Cream Cabinet	7,523.82	228.96
11 21 63 00-0016		**Delicatessen Case, Service Deli** *(11 21 63)*		
11 21 63 00-0017	LF	Delicatessen Case, Single-Deck	1,534.79	253.49
11 21 63 00-0018	LF	Delicatessen Case, Multi-Deck	1,723.54	304.18
11 21 63 00-0019	EA	Delicatessen Case, 3 Shelf, 32" x 23" x 23"	1,944.20	65.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 21 63 00-0020		Meat Case *(11 21 63)*		
11 21 63 00-0021	LF	Meat Case, Single - Deck	1,149.70	304.18
11 21 63 00-0022	LF	Meat Case, Multi - Deck	1,244.86	304.18
11 21 63 00-0023		Produce Case *(11 21 63)*		
11 21 63 00-0024	LF	Single Deck Produce Case	1,195.97	304.18
11 21 63 00-0025	LF	Multi-Deck Produce Case	1,318.69	304.18
11 21 63 00-0026		Bottle Coolers *(11 21 63)*		
11 21 63 00-0027	EA	Bottle Cooler, 6' Long	4,426.26	1,013.94
11 21 63 00-0028	EA	Bottle Cooler, 10' Long	6,701.98	1,520.90
11 21 63 00-0029		Cold Pan Units *(11 21 63)*		
11 21 63 00-0030	EA	5" x 48", Iced, Cold Pan Units	2,702.96	80.78
11 21 63 00-0031	EA	5" x 72", Iced, Cold Pan Units	3,755.41	113.02
11 21 63 00-0032	EA	8" x 72", Iced, Cold Pan Units	4,440.29	133.67
11 21 63 00-0033	EA	5" x 48", Mechanical, Cold Pan Units	4,564.84	138.10
11 21 63 00-0034	EA	8" x 48", Mechanical, Cold Pan Units	4,968.21	149.08
11 21 63 00-0035	EA	8" x 72", Mechanical, Cold Pan Units	5,903.16	176.18
11 21 63 00-0036		Cold Cabinets (Insulated) *(11 21 63)*		
11 21 63 00-0037	EA	69-3/4" x 32" x 24", Insulated Cold Cabinet	2,453.95	69.91

11 22 Banking Equipment *(11 20)*

11 22 13 Vault Equipment *(11 22)*

11 22 13 16 Safes *(11 22 13)*

11 22 13 16-0001		In Room Safes *(11 22 13 16)*		
11 22 13 16-0002	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 25)	527.36	9.28
11 22 13 16-0003	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 41)	493.75	9.28
11 22 13 16-0004	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad Operated In Room Electronic Safe (SafeDecisions Sentinel 49)	513.92	9.28
11 22 13 16-0005	EA	8-1/8" x 7-3/16" x 10-3/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 25) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	574.41	9.28
11 22 13 16-0006	EA	8-1/8" x 7-3/16" x 16-5/8" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 41) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	594.58	9.28
11 22 13 16-0007	EA	8-1/8" x 7-3/16" x 19-13/16" Keypad (Lighted) Operated In Room Electronic Safe (SafeDecisions Infinity 49) Note: Keypad lights up blue and beeps when buttons pushed. Includes light on inside of safe door.	614.75	9.28
11 22 13 16-0008	EA	7-5/8" x 14" x 10-11/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 27) Note: Includes security wire.	393.63	11.61
11 22 13 16-0009	EA	7-5/8" x 14" x 17-1/2" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 43) Note: Includes security wire.	407.07	11.61
11 22 13 16-0010	EA	7-5/8" x 14" x 20-3/16" Keypad Operated In Drawer Electronic Safe (SafeDecisions X-Tra II-XD 50) Note: Includes security wire.	420.52	11.61

11 30 Residential Equipment *(11)*

11 30 13 Residential Appliances *(11 30)*

11 30 13 13 Residential Kitchen Appliances *(11 30 13)*

Note: Includes standard colors. Excludes stainless steel.

11 30 13 13-0001		Ranges With Ovens *(11 30 13 13)* Note: Free standing or slide in.		
11 30 13 13-0002		Electric Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0003	EA	20" Electric Range With Oven	670.68	82.03
		For Stainless Steel, Add	*126.65*	
11 30 13 13-0004	EA	24" Electric Range With Oven	699.71	82.03
		For Stainless Steel, Add	*133.91*	
11 30 13 13-0005	EA	30" Electric Range With Oven	661.22	82.03
		For Stainless Steel, Add	*144.80*	
11 30 13 13-0006	EA	30" Free-Standing Electric Range With Oven (Hotpoint® RB525DHWW)	676.25	82.03
11 30 13 13-0007		Gas Ranges With Ovens *(11 30 13 13-0001)*		
11 30 13 13-0008	EA	20" Gas Range With Oven	743.26	82.03
		For Stainless Steel, Add	*144.80*	
11 30 13 13-0009	EA	24" Gas Range With Oven	781.00	82.03
		For Stainless Steel, Add	*154.23*	
11 30 13 13-0010	EA	30" Gas Range With Oven	815.84	82.03
		For Stainless Steel, Add	*162.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0011		**Range Hoods** *(11 30 13 13)*		
11 30 13 13-0012		**Venting Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0013	EA	21" Venting Range Hood (Broan 40000)	237.28	61.53
		For Stainless Steel, Add	*17.13*	
11 30 13 13-0014	EA	24" Venting Range Hood (Broan 40000)	220.31	61.53
		For Stainless Steel, Add	*14.59*	
11 30 13 13-0015	EA	30" Venting Range Hood (Broan 40000)	217.33	61.53
		For Stainless Steel, Add	*14.14*	
11 30 13 13-0016	EA	36" Venting Range Hood (Broan 40000)	220.31	61.53
		For Stainless Steel, Add	*14.59*	
11 30 13 13-0017		**Non-Ducted Range Hoods** *(11 30 13 13-0011)*		
11 30 13 13-0018	EA	21" Non Ducted Range Hood (Broan 41000)	239.47	61.53
		For Stainless Steel, Add	*17.46*	
11 30 13 13-0019	EA	24" Non Ducted Range Hood (Broan 41000)	222.56	61.53
		For Stainless Steel, Add	*14.93*	
11 30 13 13-0020	EA	30" Non Ducted Range Hood (Broan 41000)	219.57	61.53
		For Stainless Steel, Add	*14.48*	
11 30 13 13-0021	EA	36" Non Ducted Range Hood (Broan 41000)	222.56	61.53
		For Stainless Steel, Add	*14.93*	
11 30 13 13-0022		**Microwaves** *(11 30 13 13)*		
11 30 13 13-0023		**Countertop Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0024	EA	1.1 CF Countertop Microwave Oven	139.54	10.25
		For Stainless Steel, Add	*17.85*	
11 30 13 13-0025	EA	1.2 CF Countertop Microwave Oven	165.66	10.25
		For Stainless Steel, Add	*21.77*	
11 30 13 13-0026	EA	1.3 CF Countertop Microwave Oven	170.01	10.25
		For Stainless Steel, Add	*22.43*	
11 30 13 13-0027	EA	1.4 CF Countertop Microwave Oven	207.77	10.25
		For Stainless Steel, Add	*28.09*	
11 30 13 13-0028	EA	1.5 CF Countertop Microwave Oven	222.28	10.25
		For Stainless Steel, Add	*30.27*	
11 30 13 13-0029	EA	1.6 CF Countertop Microwave Oven	236.80	10.25
		For Stainless Steel, Add	*32.44*	
11 30 13 13-0030	EA	1.7 CF Countertop Microwave Oven	251.31	10.25
		For Stainless Steel, Add	*34.62*	
11 30 13 13-0031	EA	1.8 CF Countertop Microwave Oven	265.83	10.25
		For Stainless Steel, Add	*36.80*	
11 30 13 13-0032	EA	2.0 CF Countertop Microwave Oven	281.78	10.25
		For Stainless Steel, Add	*39.19*	
11 30 13 13-0033		**Over-The-Range Microwaves** *(11 30 13 13-0022)*		
11 30 13 13-0034	EA	1.5 CF Over-The Range Microwave	494.04	82.02
		For Stainless Steel, Add	*55.65*	
11 30 13 13-0035	EA	1.6 CF Over-The Range Microwave	557.06	82.02
		For Stainless Steel, Add	*65.10*	
11 30 13 13-0036	EA	1.7 CF Over-The Range Microwave	577.37	82.02
		For Stainless Steel, Add	*68.15*	
11 30 13 13-0037	EA	1.8 CF Over-The Range Microwave	729.78	82.02
		For Stainless Steel, Add	*91.01*	
11 30 13 13-0038	EA	2.0 CF Over-The Range Microwave	586.09	82.02
		For Stainless Steel, Add	*69.46*	
11 30 13 13-0039	EA	1.6 CF Over-the-Range Microwave (Hotpoint® RVM5160DHWW)	352.42	61.52
11 30 13 13-0040		**Trash Compactors** *(11 30 13 13)*		
11 30 13 13-0041	EA	15" Built-In Trash Compactor, 4 To 1 Compaction	1,106.16	82.03
		For Stainless Steel, Add	*169.58*	
11 30 13 13-0042		**Refrigerators** *(11 30 13 13)*		
11 30 13 13-0043		**Top Freezer Refrigerators** *(11 30 13 13-0042)*		
11 30 13 13-0044	EA	Up To 10 CF Top Freezer Refrigerator	546.53	41.02
		For Stainless Steel, Add	*69.68*	
11 30 13 13-0045	EA	>10 To 12 CF Top Freezer Refrigerator	661.22	41.02
		For Stainless Steel, Add	*86.88*	
11 30 13 13-0046	EA	>12 To 14 CF Top Freezer Refrigerator	735.24	41.02
		For Stainless Steel, Add	*97.98*	
11 30 13 13-0047	EA	>14 To 16 CF Top Freezer Refrigerator	778.78	41.02
		For Stainless Steel, Add	*104.51*	
11 30 13 13-0048	EA	>16 To 18 CF Top Freezer Refrigerator	894.91	41.02
		For Stainless Steel, Add	*121.93*	
11 30 13 13-0049	EA	>18 To 20 CF Top Freezer Refrigerator	995.09	41.02
		For Stainless Steel, Add	*136.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0050	EA	>20 To 22 CF Top Freezer Refrigerator	1,069.10	41.02
		For Stainless Steel, Add	*148.06*	
11 30 13 13-0051	EA	14.6 CF, Top-Freezer Refrigerator (Hotpoint® ENERGY STAR® HPE15BTHWW)	869.72	41.02

11 30 13 13-0052 Side-By-Side Refrigerators *(11 30 13 13-0042)*

11 30 13 13-0053	EA	Up To 22 CF Side-By-Side Refrigerator	1,097.98	41.02
		For Stainless Steel, Add	*152.39*	
11 30 13 13-0054	EA	>22 To 24 CF Side-By-Side Refrigerator	1,359.42	41.02
		For Stainless Steel, Add	*191.61*	
11 30 13 13-0055	EA	>24 To 26 CF Side-By-Side Refrigerator	1,533.62	41.02
		For Stainless Steel, Add	*217.74*	

11 30 13 13-0056 Other Refrigerators *(11 30 13 13-0042)*

11 30 13 13-0057	EA	1.7 CF Dormitory Sized Refrigerator	183.42	20.51
		For Stainless Steel, Add	*21.36*	
11 30 13 13-0058	EA	4.4 CF Dormitory Sized Refrigerator	248.74	20.51
		For Stainless Steel, Add	*31.16*	

11 30 13 13-0059 Freezers *(11 30 13 13)*

11 30 13 13-0060 Upright Freezers *(11 30 13 13-0059)*

11 30 13 13-0061	EA	Up To 10 CF Upright Freezer	516.06	41.02
		For Stainless Steel, Add	*65.10*	
11 30 13 13-0062	EA	>10 To 12 CF Upright Freezer	661.22	41.02
		For Stainless Steel, Add	*86.88*	
11 30 13 13-0063	EA	>12 To 14 CF Upright Freezer	704.77	41.02
		For Stainless Steel, Add	*93.41*	
11 30 13 13-0064	EA	>14 To 16 CF Upright Freezer	806.38	41.02
		For Stainless Steel, Add	*108.65*	
11 30 13 13-0065	EA	>16 To 18 CF Upright Freezer	923.94	41.02
		For Stainless Steel, Add	*126.29*	
11 30 13 13-0066	EA	>18 To 20 CF Upright Freezer	982.02	41.02
		For Stainless Steel, Add	*135.00*	
11 30 13 13-0067	EA	>20 To 22 CF Upright Freezer	1,025.56	41.02
		For Stainless Steel, Add	*141.53*	

11 30 13 13-0068 Chest Freezers *(11 30 13 13-0059)*

11 30 13 13-0069	EA	Up To 8 CF Chest Freezer	415.88	41.02
		For Stainless Steel, Add	*50.08*	
11 30 13 13-0070	EA	>8 To 10 CF Chest Freezer	517.50	41.02
		For Stainless Steel, Add	*65.32*	
11 30 13 13-0071	EA	>10 To 12 CF Chest Freezer	553.80	41.02
		For Stainless Steel, Add	*70.77*	
11 30 13 13-0072	EA	>12 To 14 CF Chest Freezer	619.11	41.02
		For Stainless Steel, Add	*80.56*	
11 30 13 13-0073	EA	>14 To 16 CF Chest Freezer	661.22	41.02
		For Stainless Steel, Add	*86.88*	
11 30 13 13-0074	EA	>16 To 18 CF Chest Freezer	806.38	41.02
		For Stainless Steel, Add	*108.65*	
11 30 13 13-0075	EA	>18 To 20 CF Chest Freezer	995.09	41.02
		For Stainless Steel, Add	*136.96*	
11 30 13 13-0076	EA	>20 To 22 CF Chest Freezer	1,025.56	41.02
		For Stainless Steel, Add	*141.53*	

11 30 13 13-0077 Automatic Ice Makers *(11 30 13 13)*

11 30 13 13-0078	EA	15" Wide, 50 LB Per Day, Automatic Ice Maker	1,903.09	82.03
11 30 13 13-0079	EA	18" Wide, 50 LB Per Day, Automatic Ice Maker	2,120.83	82.03

11 30 13 13-0080 Built-In Dishwashers *(11 30 13 13)*

11 30 13 13-0081	EA	18" Built-In Dishwasher	933.40	82.03
		For Stainless Steel, Add	*115.40*	
11 30 13 13-0082	EA	24" Built-In Dishwasher	628.57	82.03
		For Stainless Steel, Add	*69.68*	

11 30 13 13-0083 Disposals *(11 30 13 13)*

11 30 13 13-0084	EA	1/3 HP Insulated Garbage Disposal (GE GFC320V)	223.21	61.53
11 30 13 13-0085	EA	1/2 HP Insulated Garbage Disposal (GE GFC520V)	252.24	61.53
11 30 13 13-0086	EA	3/4 HP Insulated Garbage Disposal (GE GFC720V)	324.82	61.53
11 30 13 13-0087	EA	1 HP Insulated Garbage Disposal (GE GFC1020V)	397.40	61.53

11 30 13 13-0088 Removal And Reinstallation Of Kitchen Equipment *(11 30 13 13)*

Note: Includes storage, cleaning and final connections.

11 30 13 13-0089	EA	Removal And Reinstallation Of Garbage Disposal	123.05	
11 30 13 13-0090	EA	Removal And Reinstallation Of Stove/Range	246.10	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 13 13-0091	EA	Removal And Reinstallation Of Dishwasher	262.51	
11 30 13 13-0092	EA	Removal And Reinstallation Of Range Hood	123.05	
11 30 13 13-0093	EA	Removal And Reinstallation Of Washer And Dryer	205.09	
11 30 13 13-0094		**Appliance Repair** *(11 30 13 13)*		
		Note: Includes removal.		
11 30 13 13-0095	EA	8" Burner Replacement	27.91	
11 30 13 13-0096	EA	4" Burner Element Replacement	48.41	
11 30 13 13-0097	EA	8" Burner Element Replacement	55.76	
11 30 13 13-0098	EA	Burner Manifold Replacement	192.99	
11 30 13 13-0099	EA	Burner Switch Replacement	77.12	
11 30 13 13-0100	EA	Burner Tube, 5/8" x 4' Replacement	36.96	
11 30 13 13-0101	EA	Oven Control Replacement	91.97	
11 30 13 13-0102	EA	Oven Door Gasket Replacement	37.98	
11 30 13 13-0103	EA	Oven Element Replacement	86.13	
11 30 13 13-0104	EA	Oven Igniter Replacement	61.92	
11 30 13 13-0105	EA	Oven Knobs Replacement	47.04	
11 30 13 13-0106		**Accessories** *(11 30 13 13)*		
11 30 13 13-0107	SF	Colored Metal Range Splash Plate	14.97	3.28
11 30 13 13-0108	SF	Stainless Steel Range Splash Plate	21.74	3.28
11 30 13 13-0109		**Automatic Water Softener** *(11 30 13 13)*		
11 30 13 13-0110	EA	30,000 Grain Capacity, Water Softener (Whirlpool WHES30)	992.61	186.68
11 30 13 13-0111	EA	40,000 Grain Capacity, Water Softener (Whirlpool WHES40)	1,170.93	186.68
11 30 13 23		**Residential Laundry Appliances** *(11 30 13)*		
11 30 13 23-0001		**Washing Machines And Dryers** *(11 30 13 23)*		
11 30 13 23-0002		**Washing Machines** *(11 30 13 23-0001)*		
11 30 13 23-0003	EA	Up To 3.5 CF, Top Load Washing Machine	718.19	82.03
11 30 13 23-0004	EA	>3.5 To 4 CF, Top Load Washing Machine	1,139.16	82.03
11 30 13 23-0005	EA	>4 To 5 CF, Top Load Washing Machine	1,502.06	82.03
11 30 13 23-0006		**Dryers** *(11 30 13 23-0001)*		
11 30 13 23-0007		**Electric Dryers** *(11 30 13 23-0006)*		
11 30 13 23-0008	EA	Up To 6 CF, Electric Dryer	557.08	82.03
11 30 13 23-0009	EA	>6 To 6.5 CF, Electric Dryer	703.68	82.03
11 30 13 23-0010	EA	>6.5 To 7 CF, Electric Dryer	863.35	82.03
11 30 13 23-0011	EA	>7 To 7.5 CF, Electric Dryer	979.48	82.03
11 30 13 23-0012		**Gas Dryers** *(11 30 13 23-0006)*		
11 30 13 23-0013	EA	Up To 6 CF, Gas Dryer	660.13	82.03
11 30 13 23-0014	EA	>6 To 6.5 CF, Gas Dryer	805.29	82.03
11 30 13 23-0015	EA	>6.5 To 7 CF, Gas Dryer	950.29	82.03
11 30 13 23-0016	EA	>7 To 7.5 CF, Gas Dryer	1,081.09	82.03
11 30 33		**Retractable Stairs** *(11 30)*		
11 30 33 00-0001		**Disappearing Folding Access Stairs** *(11 30 33)*		
11 30 33 00-0002		**250 LB Capacity, Wood Folding Access Stairs** *(11 30 33 00-0001)*		
11 30 33 00-0003	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	610.89	185.81
11 30 33 00-0004	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	622.39	185.81
11 30 33 00-0005	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	622.39	185.81
11 30 33 00-0006	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 250 LB Capacity	633.61	185.81
11 30 33 00-0007		**350 LB Capacity, Wood Folding Access Stairs** *(11 30 33 00-0001)*		
11 30 33 00-0008	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	715.90	185.81
11 30 33 00-0009	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	739.15	185.81
11 30 33 00-0010	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	729.59	185.81
11 30 33 00-0011	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 3" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	751.81	185.81
11 30 33 00-0012	EA	30" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	742.87	185.81
11 30 33 00-0013	EA	30" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Wood Folding Access Stairs, 350 LB Capacity	781.28	185.81
11 30 33 00-0014		**300 LB Capacity, Aluminum Folding Access Stairs** *(11 30 33 00-0001)*		
11 30 33 00-0015	EA	22-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	661.21	185.81
11 30 33 00-0016	EA	22-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	688.16	185.81
11 30 33 00-0017	EA	25-1/2" x 54" Rough Opening, 7' To 8' 9" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	668.72	185.81
11 30 33 00-0018	EA	25-1/2" x 54" Rough Opening, 8' 9" To 10' 4" Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	695.65	185.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 30 33 00-0019	EA	25-1/2" x 54" Rough Opening, 10' 5" To 12' Ceiling Height, Aluminum Folding Access Stairs, 300 LB Capacity	845.67	185.81

11 30 33 00-0020 300 LB Capacity, Steel Folding Access Stairs *(11 30 33 00-0001)*

11 30 33 00-0021	EA	22-1/2" x 54" Rough Opening, 7' 3" To 8' 4" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	689.18	185.81
11 30 33 00-0022	EA	22-1/2" x 54" Rough Opening, 8' 4" To 10' 3" Ceiling Height, Steel Folding Access Stairs, 300 LB Capacity	722.89	185.81

11 32 Unit Kitchens *(11 30)*

11 32 13 Metal Unit Kitchens *(11 32)*

Note: Includes electrical hook-up to outlet, supply line connection to service stops, and drain line and p-trap. Excludes garbage disposer and hood exhaust vent piping.

11 32 13 00-0001 30" Compact Kitchen *(11 32 13)*

11 32 13 00-0002	EA	30" Compact Unit Kitchen With Refrigerator, Range And Sink	2,545.25	506.74
		For Gas Unit, Add	*280.44*	
11 32 13 00-0003	EA	30" Compact Unit Kitchen With Refrigerator And Sink	2,190.30	354.71
11 32 13 00-0004	EA	30" Compact Unit Kitchen With Refrigerator And Range	2,011.00	304.05
11 32 13 00-0005	EA	30" Compact Unit Kitchen Cabinet For Upper Wall Section	590.34	139.28
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0006	EA	30" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,253.45	185.71
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0007	EA	30" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	81.38	16.40
11 32 13 00-0008	EA	30" Compact Unit Kitchen Stainless Steel Shield For Side Wall	72.75	16.40

11 32 13 00-0009 42" Compact Kitchen *(11 32 13)*

11 32 13 00-0010	EA	42" Compact Unit Kitchen With Refrigerator, Range And Sink	2,974.99	557.41
		For Gas Unit, Add	*334.77*	
11 32 13 00-0011	EA	42" Compact Unit Kitchen With Refrigerator And Sink	2,699.55	456.06
11 32 13 00-0012	EA	42" Compact Unit Kitchen Cabinet For Upper Wall Section	757.38	157.86
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0013	EA	42" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,457.06	208.92
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0014	EA	42" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	98.54	16.40
11 32 13 00-0015	EA	42" Compact Unit Kitchen Stainless Steel Shield For Side Wall	81.54	16.40

11 32 13 00-0016 54" Compact Kitchen *(11 32 13)*

11 32 13 00-0017	EA	54" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,042.84	709.44
		For Gas Unit, Add	*464.54*	
11 32 13 00-0018	EA	54" Compact Unit Kitchen Cabinet For Upper Wall Section	942.99	92.86
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0019	EA	54" Compact Unit Kitchen Cabinet With Microwave And Hood Combination For Upper Wall Section	1,620.40	232.15
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0020	EA	54" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	114.99	16.40
11 32 13 00-0021	EA	54" Compact Unit Kitchen Stainless Steel Shield For Side Wall	84.64	16.40

11 32 13 00-0022 60" Compact Kitchen *(11 32 13)*

11 32 13 00-0023	EA	60" Compact Unit Kitchen With Refrigerator, Oven, Range, And Sink	4,248.11	760.10
		For Gas Unit, Add	*485.20*	
11 32 13 00-0024	EA	60" Compact Unit Kitchen Cabinet For Upper Wall Section	1,113.79	232.15
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0025	EA	60" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	122.28	16.40
11 32 13 00-0026	EA	60" Compact Unit Kitchen Stainless Steel Shield For Side Wall	84.64	16.40

11 32 13 00-0027 72" Compact Kitchen *(11 32 13)*

11 32 13 00-0028	EA	72" Compact Unit Kitchen With Refrigerator, Oven, Range And Sink	4,557.29	810.78
		For Gas Unit, Add	*521.44*	
11 32 13 00-0029	EA	72" Compact Unit Kitchen Cabinet For Upper Wall Section	1,362.52	278.58
		For Range Hood In Upper Section, Add	*179.00*	
11 32 13 00-0030	EA	72" Compact Unit Kitchen Stainless Steel Shield For Rear Wall	143.01	20.51
11 32 13 00-0031	EA	72" Compact Unit Kitchen Stainless Steel Shield For Side Wall	88.37	20.51

11 40 Foodservice Equipment *(11)*

11 41 Foodservice Storage Equipment *(11 40)*

11 41 13 Refrigerated Food Storage Cases *(11 41)*

11 41 13 00-0001 Frozen Food Cases *(11 41 13)*

11 41 13 00-0002	LF	Chest Type Frozen Food Case	1,187.80	304.18
11 41 13 00-0003	LF	Reach-in Frozen Food Case (Glass Door)	2,239.35	304.18
11 41 13 00-0004	LF	Island Type Frozen Food Case	1,371.35	304.18
11 41 13 00-0005	LF	Multi-Deck Frozen Food Case	2,150.52	304.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 13 00-0006		**Reach-In Refrigeration** *(11 41 13)*		
11 41 13 00-0007		**Reach-In Refrigerators** *(11 41 13 00-0006)*		
11 41 13 00-0008	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	4,192.05	153.54
11 41 13 00-0009	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	5,164.70	193.66
11 41 13 00-0010	EA	Three Section, 69.1 CF, Full Door, Self Contained, Reach-In Refrigerator	6,889.39	213.95
11 41 13 00-0011	EA	Single Section, Glass Door, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	3,870.34	153.54
11 41 13 00-0012	EA	Two Section, Glass Door, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	5,033.21	193.66
11 41 13 00-0013	EA	Three Section, Glass Door, 61.1 CF, Full Door, Self Contained, Reach-In Refrigerator	6,679.03	213.95
11 41 13 00-0014	EA	Single Section, Pass-Thru, 24.2 CF, Full Door, Self Contained, Reach-In Refrigerator	5,028.12	153.54
11 41 13 00-0015	EA	Two Section, Pass-Thru, 46.0 CF, Full Door, Self Contained, Reach-In Refrigerator	6,798.19	193.66
11 41 13 00-0016	EA	Single Section, Pass-Thru, Glass Door, 25.6 CF, Full Door, Self Contained, Reach-In Refrigerator	5,235.00	153.54
11 41 13 00-0017	EA	Two Section, Pass-Thru, Glass Door, 48.8 CF, Full Door, Self Contained, Reach-In Refrigerator	7,533.48	193.66
11 41 13 00-0018		**Reach-In Freezers** *(11 41 13 00-0006)*		
11 41 13 00-0019	EA	Single Section, 24.2 CF, Full Door, Self Contained, Reach-In Freezer	4,710.53	153.73
11 41 13 00-0020	EA	Two Section, 46.0 CF, Full Door, Self Contained, Reach-In Freezer	6,243.66	193.38

11 41 23 Walk-In-Coolers *(11 41)*

11 41 23 00-0001 Walk-In Refrigerated Boxes *(11 41 23)*

Note: Overall heights include 4" floor panel and 4" ceiling panel. See CSI section 11 41 23 00-0171 for air cooled condensing units for coolers and freezers, 11 41 23 00-0282 for accessories, 21 13 16 00-0000 for dry-pipe sprinkler heads, 26 50 00 00-0000 for lighting.

11 41 23 00-0002 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0003	EA	6' x 6' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	7,418.99	1,123.94
		For Refrigerated Boxes Without Floor, Deduct	*-1,480.04*	
11 41 23 00-0004	EA	6' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	8,840.70	1,264.43
		For Refrigerated Boxes Without Floor, Deduct	*-1,788.70*	
11 41 23 00-0005	EA	6' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,383.21	1,404.93
		For Refrigerated Boxes Without Floor, Deduct	*-1,877.50*	
11 41 23 00-0006	EA	6' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	10,641.44	1,685.91
		For Refrigerated Boxes Without Floor, Deduct	*-2,098.69*	
11 41 23 00-0007	EA	6' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,282.43	1,966.89
		For Refrigerated Boxes Without Floor, Deduct	*-2,415.33*	
11 41 23 00-0008	EA	6' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,601.21	2,247.87
		For Refrigerated Boxes Without Floor, Deduct	*-2,650.88*	
11 41 23 00-0009	EA	6' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,897.32	2,528.86
		For Refrigerated Boxes Without Floor, Deduct	*-2,881.38*	
11 41 23 00-0010	EA	8' x 8' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,745.84	1,404.93
		For Refrigerated Boxes Without Floor, Deduct	*-1,968.15*	
11 41 23 00-0011	EA	8' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	10,668.51	1,545.42
		For Refrigerated Boxes Without Floor, Deduct	*-2,152.13*	
11 41 23 00-0012	EA	8' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,048.67	1,826.39
		For Refrigerated Boxes Without Floor, Deduct	*-2,403.10*	
11 41 23 00-0013	EA	8' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,839.79	2,107.38
		For Refrigerated Boxes Without Floor, Deduct	*-2,757.49*	
11 41 23 00-0014	EA	8' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,240.58	2,388.36
		For Refrigerated Boxes Without Floor, Deduct	*-3,014.31*	
11 41 23 00-0015	EA	8' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,684.68	2,669.35
		For Refrigerated Boxes Without Floor, Deduct	*-3,281.23*	
11 41 23 00-0016	EA	8' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,083.87	2,950.33
		For Refrigerated Boxes Without Floor, Deduct	*-3,538.05*	
11 41 23 00-0017	EA	8' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,524.14	3,231.32
		For Refrigerated Boxes Without Floor, Deduct	*-3,803.64*	
11 41 23 00-0018	EA	8' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,930.23	3,512.30
		For Refrigerated Boxes Without Floor, Deduct	*-4,061.79*	

11 41 23 00-0019 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0020	EA	10' x 10' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,072.82	1,685.91
		For Refrigerated Boxes Without Floor, Deduct	*-2,456.54*	
11 41 23 00-0021	EA	10' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	13,572.37	1,966.89
		For Refrigerated Boxes Without Floor, Deduct	*-2,737.81*	
11 41 23 00-0022	EA	10' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,134.68	2,247.87
		For Refrigerated Boxes Without Floor, Deduct	*-3,034.25*	
11 41 23 00-0023	EA	10' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,613.70	2,528.86
		For Refrigerated Boxes Without Floor, Deduct	*-3,310.47*	
11 41 23 00-0024	EA	10' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,196.28	2,809.84
		For Refrigerated Boxes Without Floor, Deduct	*-3,613.29*	
11 41 23 00-0025	EA	10' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,676.77	3,090.83
		For Refrigerated Boxes Without Floor, Deduct	*-3,888.19*	
11 41 23 00-0026	EA	10' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,263.73	3,371.81
		For Refrigerated Boxes Without Floor, Deduct	*-4,192.59*	
11 41 23 00-0027	EA	10' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,735.83	3,652.80
		For Refrigerated Boxes Without Floor, Deduct	*-4,467.23*	
11 41 23 00-0028	EA	10' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,322.40	3,933.78
		For Refrigerated Boxes Without Floor, Deduct	*-4,770.04*	
11 41 23 00-0029	EA	10' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,804.74	4,214.77
		For Refrigerated Boxes Without Floor, Deduct	*-5,046.27*	
11 41 23 00-0030	EA	10' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,577.39	4,636.24
		For Refrigerated Boxes Without Floor, Deduct	*-5,349.35*	
11 41 23 00-0031	EA	10' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,228.75	5,057.72
		For Refrigerated Boxes Without Floor, Deduct	*-5,623.98*	
11 41 23 00-0032	EA	12' x 12' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,972.35	2,107.38
		For Refrigerated Boxes Without Floor, Deduct	*-3,040.63*	
11 41 23 00-0033	EA	12' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	16,692.16	2,388.36
		For Refrigerated Boxes Without Floor, Deduct	*-3,377.20*	
11 41 23 00-0034	EA	12' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,279.84	2,669.35
		For Refrigerated Boxes Without Floor, Deduct	*-3,680.02*	
11 41 23 00-0035	EA	12' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,991.68	2,950.33
		For Refrigerated Boxes Without Floor, Deduct	*-4,015.00*	
11 41 23 00-0036	EA	12' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,587.21	3,231.32
		For Refrigerated Boxes Without Floor, Deduct	*-4,319.41*	
11 41 23 00-0037	EA	12' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,299.56	3,512.30
		For Refrigerated Boxes Without Floor, Deduct	*-4,654.12*	
11 41 23 00-0038	EA	12' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,881.43	3,793.29
		For Refrigerated Boxes Without Floor, Deduct	*-4,956.94*	
11 41 23 00-0039	EA	12' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,605.45	4,074.27
		For Refrigerated Boxes Without Floor, Deduct	*-5,293.51*	
11 41 23 00-0040	EA	12' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,288.34	4,425.50
		For Refrigerated Boxes Without Floor, Deduct	*-5,596.33*	
11 41 23 00-0041	EA	12' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,189.59	4,846.98
		For Refrigerated Boxes Without Floor, Deduct	*-5,931.31*	
11 41 23 00-0042	EA	12' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,967.48	5,268.45
		For Refrigerated Boxes Without Floor, Deduct	*-6,235.72*	
11 41 23 00-0043	EA	12' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,862.24	5,689.93
		For Refrigerated Boxes Without Floor, Deduct	*-6,570.43*	
11 41 23 00-0044	EA	12' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,629.60	6,111.41
		For Refrigerated Boxes Without Floor, Deduct	*-6,873.25*	

11 41 23 00-0045 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0046	EA	14' x 14' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,667.89	2,528.86
		For Refrigerated Boxes Without Floor, Deduct	*-4,074.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0047	EA	14' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,575.87	2,809.84
		For Refrigerated Boxes Without Floor, Deduct	*-4,458.19*	
11 41 23 00-0048	EA	14' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,637.00	3,090.83
		For Refrigerated Boxes Without Floor, Deduct	*-4,878.24*	
11 41 23 00-0049	EA	14' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,544.06	3,371.81
		For Refrigerated Boxes Without Floor, Deduct	*-5,262.68*	
11 41 23 00-0050	EA	14' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,591.47	3,652.80
		For Refrigerated Boxes Without Floor, Deduct	*-5,681.14*	
11 41 23 00-0051	EA	14' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,510.90	3,933.78
		For Refrigerated Boxes Without Floor, Deduct	*-6,067.16*	
11 41 23 00-0052	EA	14' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,562.18	4,214.77
		For Refrigerated Boxes Without Floor, Deduct	*-6,485.63*	
11 41 23 00-0053	EA	14' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,660.23	4,636.24
		For Refrigerated Boxes Without Floor, Deduct	*-6,870.06*	
11 41 23 00-0054	EA	14' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,893.30	5,057.72
		For Refrigerated Boxes Without Floor, Deduct	*-7,290.11*	
11 41 23 00-0055	EA	14' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,014.41	5,479.19
		For Refrigerated Boxes Without Floor, Deduct	*-7,674.28*	
11 41 23 00-0056	EA	14' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,235.38	5,900.67
		For Refrigerated Boxes Without Floor, Deduct	*-8,093.01*	
11 41 23 00-0057	EA	14' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,344.60	6,251.90
		For Refrigerated Boxes Without Floor, Deduct	*-8,478.77*	

11 41 23 00-0058 Walk-In Refrigerated Unit, 7'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0059	EA	16' x 16' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,565.88	2,950.33
		For Refrigerated Boxes Without Floor, Deduct	*-4,908.55*	
11 41 23 00-0060	EA	16' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,761.19	3,231.32
		For Refrigerated Boxes Without Floor, Deduct	*-5,362.90*	
11 41 23 00-0061	EA	16' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,886.16	3,512.30
		For Refrigerated Boxes Without Floor, Deduct	*-5,800.77*	
11 41 23 00-0062	EA	16' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,080.56	3,793.29
		For Refrigerated Boxes Without Floor, Deduct	*-6,256.72*	
11 41 23 00-0063	EA	16' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,209.76	4,074.27
		For Refrigerated Boxes Without Floor, Deduct	*-6,694.59*	
11 41 23 00-0064	EA	16' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,498.80	4,425.50
		For Refrigerated Boxes Without Floor, Deduct	*-7,148.94*	
11 41 23 00-0065	EA	16' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,817.99	4,846.98
		For Refrigerated Boxes Without Floor, Deduct	*-7,588.41*	
11 41 23 00-0066	EA	16' x 30' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,195.65	5,268.45
		For Refrigerated Boxes Without Floor, Deduct	*-8,042.76*	
11 41 23 00-0067	EA	16' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,503.02	5,689.93
		For Refrigerated Boxes Without Floor, Deduct	*-8,480.63*	
11 41 23 00-0068	EA	16' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,882.91	6,111.41
		For Refrigerated Boxes Without Floor, Deduct	*-8,936.58*	
11 41 23 00-0069	EA	18' x 18' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,558.20	3,371.81
		For Refrigerated Boxes Without Floor, Deduct	*-5,766.21*	
11 41 23 00-0070	EA	18' x 20' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,807.67	3,652.80
		For Refrigerated Boxes Without Floor, Deduct	*-6,235.19*	
11 41 23 00-0071	EA	18' x 22' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,172.68	3,933.78
		For Refrigerated Boxes Without Floor, Deduct	*-6,732.61*	
11 41 23 00-0072	EA	18' x 24' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,420.69	4,214.77
		For Refrigerated Boxes Without Floor, Deduct	*-7,200.25*	
11 41 23 00-0073	EA	18' x 26' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,976.02	4,636.24
		For Refrigerated Boxes Without Floor, Deduct	*-7,699.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0074	EA	18' x 28' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,399.45	5,057.72
		For Refrigerated Boxes Without Floor, Deduct	*-8,166.65*	
11 41 23 00-0075	EA	18' x 30' Walk-in Refrigerated Box, 7' 6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,973.58	5,479.19
		For Refrigerated Boxes Without Floor, Deduct	*-8,664.07*	
11 41 23 00-0076	EA	18' x 32' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	44,395.54	5,900.67
		For Refrigerated Boxes Without Floor, Deduct	*-9,133.05*	
11 41 23 00-0077	EA	18' x 34' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	46,951.40	6,322.14
		For Refrigerated Boxes Without Floor, Deduct	*-9,630.47*	
11 41 23 00-0078	EA	18' x 36' Walk-in Refrigerated Box, 7'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	49,554.98	6,837.28
		For Refrigerated Boxes Without Floor, Deduct	*-10,098.11*	

11 41 23 00-0079 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 6', 7', 8' and 9' wide.

11 41 23 00-0080	EA	6' x 6' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	7,803.96	1,123.94
		For Refrigerated Boxes Without Floor, Deduct	*-1,576.28*	
11 41 23 00-0081	EA	6' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	8,989.58	1,264.43
		For Refrigerated Boxes Without Floor, Deduct	*-1,825.92*	
11 41 23 00-0082	EA	6' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	9,872.39	1,404.93
		For Refrigerated Boxes Without Floor, Deduct	*-1,999.79*	
11 41 23 00-0083	EA	6' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	11,202.93	1,685.91
		For Refrigerated Boxes Without Floor, Deduct	*-2,239.06*	
11 41 23 00-0084	EA	6' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,875.82	1,966.89
		For Refrigerated Boxes Without Floor, Deduct	*-2,563.68*	
11 41 23 00-0085	EA	6' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,266.92	2,247.87
		For Refrigerated Boxes Without Floor, Deduct	*-2,817.31*	
11 41 23 00-0086	EA	6' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,594.93	2,528.86
		For Refrigerated Boxes Without Floor, Deduct	*-3,055.78*	
11 41 23 00-0087	EA	8' x 8' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	10,275.43	1,404.93
		For Refrigerated Boxes Without Floor, Deduct	*-2,100.55*	
11 41 23 00-0088	EA	8' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	11,230.00	1,545.42
		For Refrigerated Boxes Without Floor, Deduct	*-2,292.50*	
11 41 23 00-0089	EA	8' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,682.48	1,826.39
		For Refrigerated Boxes Without Floor, Deduct	*-2,561.55*	
11 41 23 00-0090	EA	8' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,505.50	2,107.38
		For Refrigerated Boxes Without Floor, Deduct	*-2,923.92*	
11 41 23 00-0091	EA	8' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,978.60	2,388.36
		For Refrigerated Boxes Without Floor, Deduct	*-3,198.81*	
11 41 23 00-0092	EA	8' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,454.61	2,669.35
		For Refrigerated Boxes Without Floor, Deduct	*-3,473.71*	
11 41 23 00-0093	EA	8' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,926.11	2,950.33
		For Refrigerated Boxes Without Floor, Deduct	*-3,748.61*	
11 41 23 00-0094	EA	8' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,398.29	3,231.32
		For Refrigerated Boxes Without Floor, Deduct	*-4,022.18*	
11 41 23 00-0095	EA	8' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	21,876.69	3,512.30
		For Refrigerated Boxes Without Floor, Deduct	*-4,298.41*	

11 41 23 00-0096 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 10', 11' and 12' wide.

11 41 23 00-0097	EA	10' x 10' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	12,666.22	1,685.91
		For Refrigerated Boxes Without Floor, Deduct	*-2,604.89*	
11 41 23 00-0098	EA	10' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	14,238.08	1,966.89
		For Refrigerated Boxes Without Floor, Deduct	*-2,904.24*	
11 41 23 00-0099	EA	10' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,832.30	2,247.87
		For Refrigerated Boxes Without Floor, Deduct	*-3,208.65*	
11 41 23 00-0100	EA	10' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,383.63	2,528.86
		For Refrigerated Boxes Without Floor, Deduct	*-3,502.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0101	EA	10' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	18,998.11	2,809.84
		For Refrigerated Boxes Without Floor, Deduct	*-3,813.75*	
11 41 23 00-0102	EA	10' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,550.91	3,090.83
		For Refrigerated Boxes Without Floor, Deduct	*-4,106.72*	
11 41 23 00-0103	EA	10' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,169.78	3,371.81
		For Refrigerated Boxes Without Floor, Deduct	*-4,419.11*	
11 41 23 00-0104	EA	10' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	23,714.19	3,652.80
		For Refrigerated Boxes Without Floor, Deduct	*-4,711.82*	
11 41 23 00-0105	EA	10' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,332.66	3,933.78
		For Refrigerated Boxes Without Floor, Deduct	*-5,022.60*	
11 41 23 00-0106	EA	10' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,887.32	4,214.77
		For Refrigerated Boxes Without Floor, Deduct	*-5,316.91*	
11 41 23 00-0107	EA	10' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,691.87	4,636.24
		For Refrigerated Boxes Without Floor, Deduct	*-5,627.97*	
11 41 23 00-0108	EA	10' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,415.55	4,987.47
		For Refrigerated Boxes Without Floor, Deduct	*-5,920.68*	
11 41 23 00-0109	EA	12' x 12' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	15,710.37	2,107.38
		For Refrigerated Boxes Without Floor, Deduct	*-3,225.13*	
11 41 23 00-0110	EA	12' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	17,462.09	2,388.36
		For Refrigerated Boxes Without Floor, Deduct	*-3,569.69*	
11 41 23 00-0111	EA	12' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	19,122.08	2,669.35
		For Refrigerated Boxes Without Floor, Deduct	*-3,890.58*	
11 41 23 00-0112	EA	12' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,865.82	2,950.33
		For Refrigerated Boxes Without Floor, Deduct	*-4,233.54*	
11 41 23 00-0113	EA	12' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,533.67	3,231.32
		For Refrigerated Boxes Without Floor, Deduct	*-4,556.02*	
11 41 23 00-0114	EA	12' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,277.92	3,512.30
		For Refrigerated Boxes Without Floor, Deduct	*-4,898.71*	
11 41 23 00-0115	EA	12' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	25,932.10	3,793.29
		For Refrigerated Boxes Without Floor, Deduct	*-5,219.61*	
11 41 23 00-0116	EA	12' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	27,688.03	4,074.27
		For Refrigerated Boxes Without Floor, Deduct	*-5,564.16*	
11 41 23 00-0117	EA	12' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	29,443.23	4,425.50
		For Refrigerated Boxes Without Floor, Deduct	*-5,885.05*	
11 41 23 00-0118	EA	12' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,376.39	4,846.98
		For Refrigerated Boxes Without Floor, Deduct	*-6,228.01*	
11 41 23 00-0119	EA	12' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,226.59	5,268.45
		For Refrigerated Boxes Without Floor, Deduct	*-6,550.50*	
11 41 23 00-0120	EA	12' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,153.25	5,689.93
		For Refrigerated Boxes Without Floor, Deduct	*-6,893.19*	
11 41 23 00-0121	EA	12' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	36,992.92	6,111.41
		For Refrigerated Boxes Without Floor, Deduct	*-7,214.08*	

11 41 23 00-0122 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 13', 14' and 15' wide.

11 41 23 00-0123	EA	14' x 14' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	20,469.72	2,528.86
		For Refrigerated Boxes Without Floor, Deduct	*-4,274.48*	
11 41 23 00-0124	EA	14' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	22,450.02	2,809.84
		For Refrigerated Boxes Without Floor, Deduct	*-4,676.72*	
11 41 23 00-0125	EA	14' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,543.05	3,090.83
		For Refrigerated Boxes Without Floor, Deduct	*-5,104.76*	
11 41 23 00-0126	EA	14' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,522.42	3,371.81
		For Refrigerated Boxes Without Floor, Deduct	*-5,507.27*	
11 41 23 00-0127	EA	14' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,601.74	3,652.80
		For Refrigerated Boxes Without Floor, Deduct	*-5,933.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0128	EA	14' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,593.48	3,933.78
		For Refrigerated Boxes Without Floor, Deduct	*-6,337.81*	
11 41 23 00-0129	EA	14' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	32,676.66	4,214.77
		For Refrigerated Boxes Without Floor, Deduct	*-6,764.25*	
11 41 23 00-0130	EA	14' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	34,847.03	4,636.24
		For Refrigerated Boxes Without Floor, Deduct	*-7,166.76*	
11 41 23 00-0131	EA	14' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	37,112.00	5,057.72
		For Refrigerated Boxes Without Floor, Deduct	*-7,594.79*	
11 41 23 00-0132	EA	14' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	39,305.42	5,479.19
		For Refrigerated Boxes Without Floor, Deduct	*-7,997.03*	
11 41 23 00-0133	EA	14' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	41,558.30	5,900.67
		For Refrigerated Boxes Without Floor, Deduct	*-8,423.74*	
11 41 23 00-0134	EA	14' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,739.83	6,322.14
		For Refrigerated Boxes Without Floor, Deduct	*-8,827.58*	

11 41 23 00-0135 Walk-In Refrigerated Unit, 8'6" High With Floor *(11 41 23 00-0001)*

Note: 10 Gauge smooth aluminum floor, galvalume® exterior and interior panels (walls and ceiling), includes 36" x 78" hinged door. Excludes extra accessories, refrigeration, partitions or roof. 16', 17' and 18' wide.

11 41 23 00-0136	EA	16' x 16' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	24,512.34	2,950.33
		For Refrigerated Boxes Without Floor, Deduct	*-5,145.17*	
11 41 23 00-0137	EA	16' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	26,739.55	3,231.32
		For Refrigerated Boxes Without Floor, Deduct	*-5,607.49*	
11 41 23 00-0138	EA	16' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,936.83	3,512.30
		For Refrigerated Boxes Without Floor, Deduct	*-6,063.44*	
11 41 23 00-0139	EA	16' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	31,163.14	3,793.29
		For Refrigerated Boxes Without Floor, Deduct	*-6,527.37*	
11 41 23 00-0140	EA	16' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,364.65	4,074.27
		For Refrigerated Boxes Without Floor, Deduct	*-6,983.31*	
11 41 23 00-0141	EA	16' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,685.59	4,425.50
		For Refrigerated Boxes Without Floor, Deduct	*-7,445.64*	
11 41 23 00-0142	EA	16' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,077.09	4,846.98
		For Refrigerated Boxes Without Floor, Deduct	*-7,903.18*	
11 41 23 00-0143	EA	16' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,486.66	5,268.45
		For Refrigerated Boxes Without Floor, Deduct	*-8,365.51*	
11 41 23 00-0144	EA	16' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	42,866.35	5,689.93
		For Refrigerated Boxes Without Floor, Deduct	*-8,821.46*	
11 41 23 00-0145	EA	16' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,278.14	6,111.41
		For Refrigerated Boxes Without Floor, Deduct	*-9,285.38*	
11 41 23 00-0146	EA	18' x 18' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	28,568.46	3,371.81
		For Refrigerated Boxes Without Floor, Deduct	*-6,018.78*	
11 41 23 00-0147	EA	18' x 20' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	30,890.25	3,652.80
		For Refrigerated Boxes Without Floor, Deduct	*-6,505.83*	
11 41 23 00-0148	EA	18' x 22' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	33,287.16	3,933.78
		For Refrigerated Boxes Without Floor, Deduct	*-7,011.23*	
11 41 23 00-0149	EA	18' x 24' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	35,607.48	4,214.77
		For Refrigerated Boxes Without Floor, Deduct	*-7,496.95*	
11 41 23 00-0150	EA	18' x 26' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	38,194.72	4,636.24
		For Refrigerated Boxes Without Floor, Deduct	*-8,003.68*	
11 41 23 00-0151	EA	18' x 28' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	40,690.46	5,057.72
		For Refrigerated Boxes Without Floor, Deduct	*-8,489.40*	
11 41 23 00-0152	EA	18' x 30' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	43,296.50	5,479.19
		For Refrigerated Boxes Without Floor, Deduct	*-8,994.80*	
11 41 23 00-0153	EA	18' x 32' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	45,790.77	5,900.67
		For Refrigerated Boxes Without Floor, Deduct	*-9,481.85*	
11 41 23 00-0154	EA	18' x 34' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	48,378.53	6,322.14
		For Refrigerated Boxes Without Floor, Deduct	*-9,987.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0155	EA	18' x 36' Walk-in Refrigerated Box, 8'-6" High With 10 Gauge Smooth Aluminum Floor, Galvalume Exterior And Interior Panels (Walls And Ceiling), 36" x 78" Hinged Door	51,054.43	6,837.28
		For Refrigerated Boxes Without Floor, Deduct	*-10,472.98*	

11 41 23 00-0156 Walk-In Refrigerated Unit Metal Price Add-Ons *(11 41 23 00-0001)*

11 41 23 00-0157	SF	Metal Price Add-on, 190 Series Embossed White Polyester vs. 24 Gauge Galvalume®	0.45	
11 41 23 00-0158	SF	Metal Price Add-ons, 24 Gauge White Polyester vs. 24 Gauge Galvalume®	0.84	
11 41 23 00-0159	SF	Metal Price Add-ons, 0.038" Stucco Embossed Aluminum vs. 24 Gauge Galvalume®	1.18	
11 41 23 00-0160	SF	Metal Price Add-ons, 22 Gauge Stainless Steel vs. 24 Gauge Galvalume®	8.29	
11 41 23 00-0161	SF	Metal Price Add-ons, 20 Gauge Stainless Steel vs. 24 Gauge Galvalume®	10.85	
11 41 23 00-0162	SF	Metal Price Add-ons, 24 Gauge Embossed Tan Polyester vs. 24 Gauge Galvalume®	1.34	
11 41 23 00-0163	SF	Metal Price Add-ons, 0.040" Embossed White Aluminum vs. 24 Gauge Galvalume®	3.29	
11 41 23 00-0164	SF	Metal Price Add-ons, 0.040" Smooth White Aluminum vs. 24 Gauge Galvalume®	4.25	
11 41 23 00-0165	SF	Metal Price Add-ons, 24 Gauge Smooth Kynar® Painted vs. 24 Gauge Galvalume®	4.47	
11 41 23 00-0166	SF	Metal Price Deducts, 14 GA Galvanized vs. 10 Gauge Smooth Aluminum Interior Floor	-5.99	
11 41 23 00-0167	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 430 vs. 10 Gauge Smooth Aluminum Interior Floor	2.50	
11 41 23 00-0168	SF	Metal Price Add-ons, 16 GA Stainless Steel Type 304 vs. 10 Gauge Smooth Aluminum Interior Floor	6.49	
11 41 23 00-0169	SF	Metal Price Add-ons, 12 GA Rigid Aluminum vs. 10 Gauge Smooth Aluminum Interior Floor	5.69	
11 41 23 00-0170	SF	Metal Price Add-ons, 16 GA Rigid Stainless Steel vs. 10 Gauge Smooth Aluminum Interior Floor	18.45	

11 41 23 00-0171 Air Cooled Condensing Units For Walk-In Coolers And Freezers *(11 41 23)*

11 41 23 00-0172 Medium Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0173 208/230 Volt, 1 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0174	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,079.20	140.01
11 41 23 00-0175	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,257.46	163.35
11 41 23 00-0176	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,752.84	186.68
11 41 23 00-0177	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,050.75	210.02
11 41 23 00-0178	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,463.15	233.35
11 41 23 00-0179	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,022.35	280.02
11 41 23 00-0180	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,804.43	326.69
11 41 23 00-0181	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,307.51	373.35

11 41 23 00-0182 208/230 Volt, 3 Phase *(11 41 23 00-0172)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0183	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,758.07	186.68
11 41 23 00-0184	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,050.75	210.02
11 41 23 00-0185	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,510.26	233.35
11 41 23 00-0186	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,966.26	280.02
11 41 23 00-0187	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,804.43	326.69
11 41 23 00-0188	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,242.45	373.35

11 41 23 00-0189 Medium Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0190 208/230 Volt, 1 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0191	EA	1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,296.07	140.01
11 41 23 00-0192	EA	3/4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,631.38	163.35
11 41 23 00-0193	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,187.33	186.68
11 41 23 00-0194	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,367.09	210.02
11 41 23 00-0195	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,689.74	233.35
11 41 23 00-0196	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,345.42	280.02
11 41 23 00-0197	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,132.74	326.69
11 41 23 00-0198	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,638.06	373.35

11 41 23 00-0199 208/230 Volt, 3 Phase *(11 41 23 00-0189)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0200	EA	1 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,159.66	186.68
11 41 23 00-0201	EA	1-1/2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,378.31	210.02
11 41 23 00-0202	EA	2 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,748.07	233.35
11 41 23 00-0203	EA	3 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,290.08	280.02
11 41 23 00-0204	EA	4 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,149.94	326.69
11 41 23 00-0205	EA	5 HP Medium Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,569.25	373.35

11 41 23 00-0206 Low Temperature Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0207 208/230 Volt, 1 Phase *(11 41 23 00-0206)*

Note: Pre-Assembled indoor R404a.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0208	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	280.03	140.01
11 41 23 00-0209	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,626.90	163.35
11 41 23 00-0210	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,805.19	186.68
11 41 23 00-0211	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,067.21	210.02
11 41 23 00-0212	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,426.50	233.35
11 41 23 00-0213	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,228.01	280.02

11 41 23 00-0214 208/230 Volt, 3 Phase *(11 41 23 00-0206)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0215	EA	1 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,810.42	186.68
11 41 23 00-0216	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,067.21	210.02
11 41 23 00-0217	EA	2 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,475.11	233.35
11 41 23 00-0218	EA	3 HP Low Temperature Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,174.16	280.02

11 41 23 00-0219 Low Temperature Hermetic System, Outdoor *(11 41 23 00-0171)*

Note: Consists of air cooled hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0220 208/230 Volt, 1 Phase *(11 41 23 00-0219)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0221	EA	1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,875.64	140.01
11 41 23 00-0222	EA	3/4 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,939.50	163.35
11 41 23 00-0223	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,156.67	186.68
11 41 23 00-0224	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,507.68	210.02
11 41 23 00-0225	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,919.33	233.35
11 41 23 00-0226	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,542.10	280.02

11 41 23 00-0227 208/230 Volt, 3 Phase *(11 41 23 00-0219)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0228	EA	1 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,292.03	186.68
11 41 23 00-0229	EA	1-1/2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,574.24	210.02
11 41 23 00-0230	EA	2 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,973.17	233.35
11 41 23 00-0231	EA	3 HP Low Temperature Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,487.51	280.02

11 41 23 00-0232 Medium Temperature Semi-Hermetic System, Indoor *(11 41 23 00-0171)*

Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0233 208/230 Volt, 1 Phase *(11 41 23 00-0232)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0234	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	3,979.43	186.68
11 41 23 00-0235	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	9,093.35	373.35

11 41 23 00-0236 208/230 Volt, 3 Phase *(11 41 23 00-0232)*

Note: Pre-Assembled indoor R404a.

11 41 23 00-0237	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	3,982.43	186.68
11 41 23 00-0238	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,501.15	233.35
11 41 23 00-0239	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	6,864.28	280.02
11 41 23 00-0240	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	8,971.45	373.35

11 41 23 00-0241 Medium Temperature Semi-Hermetic System, Outdoor *(11 41 23 00-0171)*

Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.

11 41 23 00-0242 208/230 Volt, 1 Phase *(11 41 23 00-0241)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0243	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,356.35	186.68
11 41 23 00-0244	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	10,721.40	373.35

11 41 23 00-0245 208/230 Volt, 3 Phase *(11 41 23 00-0241)*

Note: Pre-Assembled outdoor R404a.

11 41 23 00-0246	EA	1 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,363.82	186.68
11 41 23 00-0247	EA	2 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,155.65	233.35
11 41 23 00-0248	EA	3 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,402.73	280.02
11 41 23 00-0249	EA	5 HP Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	9,697.61	373.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0250		**Low Temperature Semi-Hermetic System, Indoor** *(11 41 23 00-0171)* Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0251		**208/230 Volt, 1 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0252	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,061.39	163.35
11 41 23 00-0253	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,342.88	186.68
11 41 23 00-0254	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,093.24	210.02
11 41 23 00-0255	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,897.50	233.35
11 41 23 00-0256	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,451.34	280.02
11 41 23 00-0257		**208/230 Volt, 3 Phase** *(11 41 23 00-0250)* Note: Pre-Assembled indoor R404a.		
11 41 23 00-0258	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,040.45	163.35
11 41 23 00-0259	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	4,339.89	186.68
11 41 23 00-0260	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,064.82	210.02
11 41 23 00-0261	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	5,848.15	233.35
11 41 23 00-0262	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	7,188.84	280.02
11 41 23 00-0263	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,030.62	326.69
11 41 23 00-0264	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	10,603.78	420.02
11 41 23 00-0265	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Indoor R404a, 208/230 Volt, 3 Phase, 60 Hertz	15,247.33	490.03
11 41 23 00-0266		**Low Temperature Semi-Hermetic System, Outdoor** *(11 41 23 00-0171)* Note: Consists of air cooled semi-hermetic condensing unit, evaporator, and standard indoor features as described by manufacturer; Bally.		
11 41 23 00-0267		**208/230 Volt, 1 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0268	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,467.47	163.35
11 41 23 00-0269	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,688.39	186.68
11 41 23 00-0270	EA	1-1/2 Low Medium Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,452.95	210.02
11 41 23 00-0271	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,262.45	233.35
11 41 23 00-0272	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,840.96	280.02
11 41 23 00-0273		**208/230 Volt, 3 Phase** *(11 41 23 00-0266)* Note: Pre-Assembled outdoor R404a.		
11 41 23 00-0274	EA	3/4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,401.66	163.35
11 41 23 00-0275	EA	1 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	4,691.38	186.68
11 41 23 00-0276	EA	1-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	5,441.74	210.02
11 41 23 00-0277	EA	2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	6,207.11	233.35
11 41 23 00-0278	EA	3 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	7,603.89	280.02
11 41 23 00-0279	EA	4 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,059.64	326.69
11 41 23 00-0280	EA	6 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	11,698.62	420.02
11 41 23 00-0281	EA	7-1/2 HP Low Temperature Semi-Hermetic System Pre-Assembled Outdoor R404a, 208/230 Volt, 1 Phase, 60 Hertz	16,428.92	490.03
11 41 23 00-0282		**Walk-In Refrigerated Boxes Accessories** *(11 41 23)*		
11 41 23 00-0283		**Accessories** *(11 41 23 00-0282)*		
11 41 23 00-0284	EA	Super Door Package, For 36" Or 42" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	612.71	
11 41 23 00-0285	EA	Super Door Package, For 48" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	813.70	
11 41 23 00-0286	EA	Super Door Package, For 60" Door Note: Includes 1/8" diamond-tread on cap and frame (interior and exterior), and 3rd hinge for support.	813.70	
11 41 23 00-0287	EA	14" x 24" Observation Window, Heated	906.16	
11 41 23 00-0288	EA	Heated Air Vent, Kason	347.86	
11 41 23 00-0289	EA	Heated Air Vent, Bally Polyvinyl Chloride (PVC)	778.55	
11 41 23 00-0290	EA	Interior Ramps For 36" Or 42" Wide Doors	1,103.92	
11 41 23 00-0291	EA	Interior Ramps For 48" Wide Doors	1,204.95	
11 41 23 00-0292	EA	Interior Ramps For 60" Wide Doors	1,321.93	
11 41 23 00-0293	EA	Exterior Ramps For 36" Or 42" Wide Doors	459.48	
11 41 23 00-0294	EA	Exterior Ramps For 48" Wide Doors	825.30	
11 41 23 00-0295	EA	Exterior Ramps For 60" Wide Doors	825.30	
11 41 23 00-0296	EA	Field Installed Extra Vapor-Proof Lights	115.97	
11 41 23 00-0297	EA	Field Installed Fluorescent Lights, 48", 2 Tubes	495.61	
11 41 23 00-0298	EA	Alarm With Digital Thermostat Modularm 75 With Adjustable Setting (Flush Mounted)	1,080.50	
11 41 23 00-0299	EA	Alarm With Digital Thermostat Modularm 75B (Battery Backup) (Flush Mounted)	1,134.74	
11 41 23 00-0300	EA	Alarm With Digital Thermostat National TM100 With Adjustable Setting (Flush Mounted)	548.79	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0301	EA	Locking Devices, 36" Or 42" Wide Locking Bar	315.89	
11 41 23 00-0302	EA	Locking Devices, 48" Wide Locking Bar	358.43	
11 41 23 00-0303	EA	Locking Devices, 60" Wide Locking Bar	358.43	
11 41 23 00-0304	EA	Locking Devices, Mortise Dead Bolt (Cooler)	626.42	
11 41 23 00-0305	EA	Locking Devices, Mortise Dead Bolt (Freezer)	766.79	
11 41 23 00-0306	EA	Blast Freezer Kit, For 36" Or 42" Wide Doors	1,235.79	
11 41 23 00-0307	EA	Blast Freezer Kit, For 48" Wide Doors	1,303.85	
11 41 23 00-0308	EA	Blast Freezer Kit, For 60" Wide Doors	1,340.01	
11 41 23 00-0309	EA	Hardware Options, Polished For 36" Or 42" Door	58.49	
11 41 23 00-0310	EA	Hardware Options, Polished For 48" Or 60" Door	47.85	
11 41 23 00-0311	EA	Hardware Options, Chrome For 36" Or 42" Door	147.82	
11 41 23 00-0312	EA	Hardware Options, Chrome For 48" Or 60" Door	79.76	
11 41 23 00-0313	EA	Hardware Options, Positive Latch, 36" Or 42" Door	193.57	
11 41 23 00-0314	EA	Hardware Options, Strap Hinges, 36" Or 42" Door	142.52	
11 41 23 00-0315	EA	4" Screed Door	392.52	
11 41 23 00-0316	EA	Doors Cut For Tile	469.09	
11 41 23 00-0317	EA	84" High Doors (36" Wide)	469.09	
11 41 23 00-0318	EA	Doors Raised Or Lowered In Panel	1,031.65	
11 41 23 00-0319	EA	57-1/2" Door Section	310.64	
11 41 23 00-0320	EA	3 Way, Interior And Exterior, Light Switches	257.40	
11 41 23 00-0321	EA	3 Way (1 Side Only) Light Switch	131.05	
11 41 23 00-0322	EA	Structural Support, 5" Reinforcing Ceilings (Every 23")	232.93	
11 41 23 00-0323	EA	Structural Support, 6" Reinforcing Ceilings (Every 23")	292.48	
11 41 23 00-0324	LF	Structural Support, Self-Supporting Standard Angle	31.48	
11 41 23 00-0325	LF	Structural Support, Self-Supporting 6" Channel	40.25	
11 41 23 00-0326	LF	Structural Support, Self-Supporting 8" Channel	57.53	
11 41 23 00-0327	LF	Structural Support, Self-Supporting 10" Channel	90.77	
11 41 23 00-0328	LF	Structural Support, Suspended Ceiling Support	17.34	
11 41 23 00-0329	LF	Factory Prepared Opening, Foam Cut Opening	5.95	
11 41 23 00-0330	LF	Factory Prepared Opening, Metal Capped Opening	18.61	
11 41 23 00-0331	LF	Factory Prepared Opening, Wood Framed Opening	41.45	
11 41 23 00-0332	LF	Factory Prepared Opening, Metal Capped Wood Framed Opening	28.71	
11 41 23 00-0333	LF	Factory Prepared Opening, Opening For Glass Doors (Doors Provided By Others, No Charge For Opening When Glass Door Purchased Through Manufacturer)	38.56	
11 41 23 00-0334	SF	Outdoor Weather Roofs, Aluminum Roof Caps	23.46	
11 41 23 00-0335	SF	Outdoor Weather Roofs, Membrane Roof Caps	5.85	
11 41 23 00-0336	SF	Outdoor Weather Roofs, Painted Aluminum Roofs	29.14	
11 41 23 00-0337	SF	1/8" Aluminum Tread Plate	58.75	
11 41 23 00-0338	SF	3/16" Aluminum Tread Plate	71.10	
11 41 23 00-0339	EA	Digitemp Display Thermometer (Indoor Exterior Wall)	246.97	
11 41 23 00-0340	EA	4-1/2" Dial Type Thermometer With 5' Cap Tube	222.51	
11 41 23 00-0341	EA	6" Dial Type Thermometer With 5' Cap Tube	702.12	
11 41 23 00-0342	EA	2" Dial Type Thermometer (Standard)	82.13	
11 41 23 00-0343	LF	Extra Capillary Tubing	9.56	

11 41 23 00-0344 Partition Wall For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Includes 36" x 78" door. Sizes listed as 7'-2"/7'-6" are for either 7'-2" or 7'-6" high refrigerated boxes. Sizes listed as 8'-2"/8'-6" are for either 8'-2" or 8'-6" high refrigerated boxes.

11 41 23 00-0345	EA	5'-10" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,514.04	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*121.02*	
11 41 23 00-0346	EA	6'-9-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,737.80	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*131.97*	
11 41 23 00-0347	EA	7'-9" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,816.91	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*135.69*	
11 41 23 00-0348	EA	8'-8-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,044.92	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*146.86*	
11 41 23 00-0349	EA	9'-8" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	2,983.67	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*143.56*	
11 41 23 00-0350	EA	10'-7-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,206.36	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*154.46*	
11 41 23 00-0351	EA	11'-7" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,274.83	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*157.65*	
11 41 23 00-0352	EA	12'-6-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,591.11	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*173.23*	
11 41 23 00-0353	EA	13'-6" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,453.30	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*166.11*	
11 41 23 00-0354	EA	14'-5-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,677.06	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*177.06*	
11 41 23 00-0355	EA	15'-5" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,761.49	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*181.05*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0356	EA	16'-4-1/2" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	3,986.31	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*192.06*	
11 41 23 00-0357	EA	17'-4" Length Partition Wall, 7'-2"/7'-6" High Note: Galvalume both sides.	4,588.76	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*221.95*	
11 41 23 00-0358	EA	5'-10" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	2,741.61	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*132.40*	
11 41 23 00-0359	EA	6'-9-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	2,931.34	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*141.65*	
11 41 23 00-0360	EA	7'-9" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,024.28	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*146.06*	
11 41 23 00-0361	EA	8'-8-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,276.75	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*158.45*	
11 41 23 00-0362	EA	9'-8" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,202.74	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*154.52*	
11 41 23 00-0363	EA	10'-7-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,454.14	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*166.85*	
11 41 23 00-0364	EA	11'-7" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,548.14	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*171.32*	
11 41 23 00-0365	EA	12'-6-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,799.54	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*183.66*	
11 41 23 00-0366	EA	13'-6" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,725.54	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*179.72*	
11 41 23 00-0367	EA	14'-5-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	3,976.95	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*192.06*	
11 41 23 00-0368	EA	15'-5" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,070.95	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*196.52*	
11 41 23 00-0369	EA	16'-4-1/2" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,322.35	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*208.86*	
11 41 23 00-0370	EA	17'-4" Length Partition Wall, 8'-2"/8'-6" High Note: Galvalume both sides.	4,248.34	
		For Embossed White Instead Of Galvalume® On Both Sides, Add	*204.92*	

11 41 23 00-0371 Glass Doors For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

Note: Factory installed, includes lights and 5 tier shelves.

11 41 23 00-0372	EA	23" x 67" Glass Door, Displayrite, Coolrite Model	1,055.99	
11 41 23 00-0373	EA	23" x 73" Glass Door, Displayrite, Coolrite Model	1,153.83	
11 41 23 00-0374	EA	30" x 67" Glass Door, Displayrite, Coolrite Model	1,163.40	
11 41 23 00-0375	EA	30" x 73" Glass Door, Displayrite, Coolrite Model	1,286.76	
11 41 23 00-0376	EA	23" x 67" Glass Door, Displayrite, Freezerite Model	1,412.24	
11 41 23 00-0377	EA	23" x 73" Glass Door, Displayrite, Freezerite Model	1,501.57	
11 41 23 00-0378	EA	30" x 67" Glass Door, Displayrite, Freezerite Model	1,506.89	
11 41 23 00-0379	EA	30" x 73" Glass Door, Displayrite, Freezerite Model	1,753.60	
11 41 23 00-0380	EA	24" x 67" Glass Door, Anthony Model 101	1,435.64	
11 41 23 00-0381	EA	26" x 67" Glass Door, Anthony Model 101	1,778.06	
11 41 23 00-0382	EA	30" x 67" Glass Door, Anthony Model 101	1,898.23	
11 41 23 00-0383	EA	30x75 Glass Door, Anthony Model 101	1,938.64	
11 41 23 00-0384	EA	24" x 67" Glass Door, Anthony Model 101	2,186.42	
11 41 23 00-0385	EA	26" x 67" Glass Door, Anthony Model 101	2,426.76	
11 41 23 00-0386	EA	30" x 67" Glass Door, Anthony Model 101	2,471.42	
11 41 23 00-0387	EA	30" x 75" Glass Door, Anthony Model 101	2,636.26	
11 41 23 00-0388	EA	23" x 67" Glass Door, Anthony Model 401	1,133.62	
11 41 23 00-0389	EA	26-3/4" x 67" Glass Door, Anthony Model 401	1,194.24	
11 41 23 00-0390	EA	30-1/4" x 67" Glass Door, Anthony Model 401	1,605.79	
11 41 23 00-0391	EA	30-1/4" x 75" Glass Door, Anthony Model 401	1,377.15	
11 41 23 00-0392	EA	23" x 67" Glass Door, Anthony Model 401	1,529.22	
11 41 23 00-0393	EA	26-3/4" x 67" Glass Door, Anthony Model 401	1,600.47	
11 41 23 00-0394	EA	30-1/4" x 67" Glass Door, Anthony Model 401	1,605.79	
11 41 23 00-0395	EA	30-1/4" x 75" Glass Door, Anthony Model 401	1,912.06	

11 41 23 00-0396 Modular Wire Shelving For Walk-In Refrigerated Boxes *(11 41 23 00-0282)*

11 41 23 00-0397	EA	14" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	397.78	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0398	EA	14" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	419.48	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0399	EA	14" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	466.70	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0400	EA	14" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	492.65	
		For Cantilever Shelving, Add	*402.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0401	EA	14" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	536.05	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0402	EA	18" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	457.77	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0403	EA	18" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	469.89	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0404	EA	18" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	518.17	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0405	EA	18" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	542.00	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0406	EA	18" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	618.37	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0407	EA	21" x 30" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	498.60	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0408	EA	21" x 36" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	505.41	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0409	EA	21" x 42" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	574.97	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0410	EA	21" x 48" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	579.65	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0411	EA	21" x 60" Epoxy Modular Wire Shelving, 4 Tier, 63" Posts	666.64	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0412	EA	14" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	342.48	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0413	EA	14" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	359.93	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0414	EA	14" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	394.39	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0415	EA	14" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	403.32	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0416	EA	14" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	459.48	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0417	EA	18" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	376.95	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0418	EA	18" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	403.96	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0419	EA	18" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	427.78	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0420	EA	18" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	434.60	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0421	EA	18" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	510.96	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0422	EA	21" x 30" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	413.53	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0423	EA	21" x 36" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	429.91	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0424	EA	21" x 42" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	461.18	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0425	EA	21" x 48" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	478.62	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0426	EA	21" x 60" Chrome Modular Wire Shelving, 4 Tier, 63" Posts	557.11	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0427	EA	14" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,715.52	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0428	EA	14" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,914.17	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0429	EA	14" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,952.29	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0430	EA	14" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,990.41	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0431	EA	14" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,407.76	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0432	EA	18" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,800.47	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0433	EA	18" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,912.16	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0434	EA	18" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,117.48	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0435	EA	18" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,202.43	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0436	EA	18" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,693.35	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0437	EA	21" x 30" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	1,945.60	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0438	EA	21" x 36" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,124.17	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0439	EA	21" x 42" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,329.51	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0440	EA	21" x 48" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	2,414.44	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0441	EA	21" x 60" Stainless Steel Modular Wire Shelving, 4 Tier, 63" Posts	3,065.87	
		For Cantilever Shelving, Add	*402.00*	
11 41 23 00-0442	EA	14" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	469.25	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0443	EA	14" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	505.85	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0444	EA	14" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	547.75	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0445	EA	14" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	586.47	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0446	EA	14" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	636.24	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0447	EA	18" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	553.70	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0448	EA	18" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	567.95	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0449	EA	18" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	625.81	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0450	EA	18" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	656.01	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0451	EA	18" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	748.33	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0452	EA	21" x 30" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	603.05	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0453	EA	21" x 36" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	622.62	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0454	EA	21" x 42" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	687.91	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0455	EA	21" x 48" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	703.23	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0456	EA	21" x 60" Epoxy Modular Wire Shelving, 5 Tier, 74" Posts	806.19	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0457	EA	14" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	402.26	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0458	EA	14" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	422.90	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0459	EA	14" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	464.80	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0460	EA	14" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	474.81	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0461	EA	14" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	542.65	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0462	EA	18" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	453.74	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0463	EA	18" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	485.00	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0464	EA	18" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	551.37	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0465	EA	18" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	547.54	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0466	EA	18" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	612.21	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0467	EA	21" x 30" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	497.77	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0468	EA	21" x 36" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	517.34	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0469	EA	21" x 42" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	556.04	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0470	EA	21" x 48" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	575.62	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0471	EA	21" x 60" Chrome Modular Wire Shelving, 5 Tier, 74" Posts	672.19	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0472	EA	14" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,094.08	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0473	EA	14" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,341.21	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0474	EA	14" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,387.69	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0475	EA	14" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,434.18	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0476	EA	14" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,953.51	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0477	EA	18" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,199.09	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0478	EA	18" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,337.53	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0479	EA	18" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,593.03	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0480	EA	18" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,698.02	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0481	EA	18" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,309.33	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0482	EA	21" x 30" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,379.33	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0483	EA	21" x 36" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,601.39	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0484	EA	21" x 42" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,856.86	
		For Cantilever Shelving, Add	*472.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 23 00-0485	EA	21" x 48" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	2,961.87	
		For Cantilever Shelving, Add	*472.00*	
11 41 23 00-0486	EA	21" x 60" Stainless Steel Modular Wire Shelving, 5 Tier, 74" Posts	3,773.82	
		For Cantilever Shelving, Add	*472.00*	

11 41 31 Non-Refrigerated Storage Equipment *(11 41)*

11 41 31 00-0001 Wall Cabinets *(11 41 31)*

11 41 31 00-0002	EA	48" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	1,807.37	72.52
11 41 31 00-0003	EA	72" Wall Cabinet With Sliding Doors Note: 15" deep and 24" high.	2,384.79	95.73
11 41 31 00-0004	EA	72" Wall Cabinet With Hinged Doors Note: 15" deep and 24" high.	2,737.21	109.75
11 41 31 00-0005	EA	72" Wall Cabinet With Open Shelves Note: 15" deep and 24" high.	1,751.78	70.01

11 41 31 00-0006 Mobile Sheet Pan Truck *(11 41 31)*

11 41 31 00-0007	EA	2 Level Mobile Sheet Pan Truck	168.92	6.34

11 41 31 00-0008 Pot And Utensil Rack *(11 41 31)*

11 41 31 00-0009	EA	70" Bench Type Pot And Utensil Rack	493.03	19.34
11 41 31 00-0010	EA	94" Bench Type Pot And Utensil Rack	571.27	21.86
11 41 31 00-0011	EA	94" Ceiling Type Pot And Utensil Rack	679.20	26.19
11 41 31 00-0012	EA	96" Wall Type Pot And Utensil Rack	369.38	14.30

11 41 31 00-0013 Tray And Silverware Cart *(11 41 31)*

11 41 31 00-0014	EA	33" x 22-1/2" x 42" Tray And Silverware Cart	1,704.85	65.28

11 41 31 00-0015 Flat Top Utility Units *(11 41 31)*

11 41 31 00-0016	EA	39" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,162.41	44.62
11 41 31 00-0017	EA	79-1/2" x 28-1/2" x 35-3/8" Flat Top Utility Units	1,557.67	59.63

11 41 33 Foodservice Shelving *(11 41)*

11 41 33 00-0001 Shelving/Racks *(11 41 33)*

11 41 33 00-0002 Chrome Shelving Units *(11 41 33 00-0001)*

11 41 33 00-0003 54" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0004	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	223.67	33.05
11 41 33 00-0005	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	234.22	33.32
11 41 33 00-0006	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	247.23	33.59
11 41 33 00-0007	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	255.39	33.87
11 41 33 00-0008	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	270.80	34.15
11 41 33 00-0009	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	283.86	34.42
11 41 33 00-0010	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	294.41	34.69
11 41 33 00-0011	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	317.99	35.23
11 41 33 00-0012	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	241.52	33.32
11 41 33 00-0013	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	249.67	33.59
11 41 33 00-0014	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	257.84	33.87
11 41 33 00-0015	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	280.59	34.15
11 41 33 00-0016	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	296.05	34.42
11 41 33 00-0017	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	316.34	34.69
11 41 33 00-0018	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	324.45	34.96
11 41 33 00-0019	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	352.96	35.51
11 41 33 00-0020	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	252.12	33.59
11 41 33 00-0021	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	269.98	33.87
11 41 33 00-0022	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	283.04	34.15
11 41 33 00-0023	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	298.45	34.42
11 41 33 00-0024	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	309.04	34.69
11 41 33 00-0025	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	334.25	34.96
11 41 33 00-0026	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	347.25	35.23
11 41 33 00-0027	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	380.61	35.78
11 41 33 00-0028	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	274.93	33.87
11 41 33 00-0029	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	285.49	34.15
11 41 33 00-0030	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	293.60	34.42
11 41 33 00-0031	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	313.94	34.69
11 41 33 00-0032	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	326.95	34.96
11 41 33 00-0033	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	352.15	35.23
11 41 33 00-0034	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	369.99	35.51
11 41 33 00-0035	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	413.14	36.05
11 41 33 00-0036	EA	30" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	353.77	34.15
11 41 33 00-0037	EA	30" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	393.54	34.42
11 41 33 00-0038	EA	30" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	418.78	34.69
11 41 33 00-0039	EA	30" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	475.70	34.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0040	EA	36" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	388.71	35.23
11 41 33 00-0041	EA	36" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	426.14	35.51
11 41 33 00-0042	EA	36" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	473.23	35.78
11 41 33 00-0043	EA	36" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Chrome Shelving Unit	549.59	36.32

11 41 33 00-0044 63" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0045	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	226.07	33.05
11 41 33 00-0046	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	236.62	33.32
11 41 33 00-0047	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	249.62	33.59
11 41 33 00-0048	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	257.79	33.87
11 41 33 00-0049	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	273.20	34.15
11 41 33 00-0050	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	286.25	34.42
11 41 33 00-0051	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	296.81	34.69
11 41 33 00-0052	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	320.37	35.23
11 41 33 00-0053	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	243.91	33.32
11 41 33 00-0054	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	252.07	33.59
11 41 33 00-0055	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	260.24	33.87
11 41 33 00-0056	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	282.98	34.15
11 41 33 00-0057	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	298.45	34.42
11 41 33 00-0058	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	318.72	34.69
11 41 33 00-0059	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	326.85	34.96
11 41 33 00-0060	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	331.66	35.51
11 41 33 00-0061	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	254.52	33.59
11 41 33 00-0062	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	272.38	33.87
11 41 33 00-0063	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	285.43	34.15
11 41 33 00-0064	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	300.83	34.42
11 41 33 00-0065	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	311.44	34.69
11 41 33 00-0066	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	336.64	34.96
11 41 33 00-0067	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	349.65	35.23
11 41 33 00-0068	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	383.01	35.78
11 41 33 00-0069	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	277.33	33.87
11 41 33 00-0070	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	287.88	34.15
11 41 33 00-0071	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	296.00	34.42
11 41 33 00-0072	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	316.34	34.69
11 41 33 00-0073	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	329.35	34.96
11 41 33 00-0074	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	354.54	35.23
11 41 33 00-0075	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	372.38	35.51
11 41 33 00-0076	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	415.54	36.05
11 41 33 00-0077	EA	30" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	356.16	34.15
11 41 33 00-0078	EA	30" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	395.94	34.42
11 41 33 00-0079	EA	30" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	421.17	34.69
11 41 33 00-0080	EA	30" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	478.09	34.96
11 41 33 00-0081	EA	36" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	391.10	35.23
11 41 33 00-0082	EA	36" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	428.52	35.51
11 41 33 00-0083	EA	36" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	475.65	35.78
11 41 33 00-0084	EA	36" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Chrome Shelving Unit	551.97	36.32

11 41 33 00-0085 66" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0086	EA	14" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	227.32	33.05
11 41 33 00-0087	EA	14" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	237.87	33.32
11 41 33 00-0088	EA	14" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	250.87	33.59
11 41 33 00-0089	EA	14" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	259.04	33.87
11 41 33 00-0090	EA	14" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	274.45	34.15
11 41 33 00-0091	EA	14" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	287.50	34.42
11 41 33 00-0092	EA	14" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	298.06	34.69
11 41 33 00-0093	EA	14" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	321.62	35.23
11 41 33 00-0094	EA	18" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	245.17	33.32
11 41 33 00-0095	EA	18" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	253.32	33.59
11 41 33 00-0096	EA	18" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	261.49	33.87
11 41 33 00-0097	EA	18" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	284.24	34.15
11 41 33 00-0098	EA	18" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	299.70	34.42
11 41 33 00-0099	EA	18" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	319.97	34.69
11 41 33 00-0100	EA	18" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	328.10	34.96
11 41 33 00-0101	EA	18" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	356.61	35.51
11 41 33 00-0102	EA	21" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	255.76	33.59
11 41 33 00-0103	EA	21" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	273.63	33.87
11 41 33 00-0104	EA	21" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	286.68	34.15
11 41 33 00-0105	EA	21" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	302.08	34.42
11 41 33 00-0106	EA	21" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	312.69	34.69
11 41 33 00-0107	EA	21" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	337.89	34.96
11 41 33 00-0108	EA	21" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	350.90	35.23
11 41 33 00-0109	EA	21" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	384.26	35.78
11 41 33 00-0110	EA	24" x 24" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	278.57	33.87
11 41 33 00-0111	EA	24" x 30" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	289.13	34.15
11 41 33 00-0112	EA	24" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	297.25	34.42
11 41 33 00-0113	EA	24" x 42" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	317.59	34.69
11 41 33 00-0114	EA	24" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	330.60	34.96
11 41 33 00-0115	EA	24" x 54" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	355.80	35.23
11 41 33 00-0116	EA	24" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	373.63	35.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0117	EA	24" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	416.79	36.05
11 41 33 00-0118	EA	30" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	357.41	34.15
11 41 33 00-0119	EA	30" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	397.19	34.42
11 41 33 00-0120	EA	30" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	422.43	34.69
11 41 33 00-0121	EA	30" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	479.34	34.96
11 41 33 00-0122	EA	36" x 36" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	392.35	35.23
11 41 33 00-0123	EA	36" x 48" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	429.77	35.51
11 41 33 00-0124	EA	36" x 60" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	476.89	35.78
11 41 33 00-0125	EA	36" x 72" Wide Open Wire Shelf, 66" Height, 4 Shelves, Chrome Shelving Unit	553.22	36.32

11 41 33 00-0126 74" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0127	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	230.96	33.05
11 41 33 00-0128	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	241.52	33.32
11 41 33 00-0129	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	254.52	33.59
11 41 33 00-0130	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	262.69	33.87
11 41 33 00-0131	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	278.10	34.15
11 41 33 00-0132	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	291.15	34.42
11 41 33 00-0133	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	301.71	34.69
11 41 33 00-0134	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	325.27	35.23
11 41 33 00-0135	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	248.81	33.32
11 41 33 00-0136	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	256.96	33.59
11 41 33 00-0137	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	265.14	33.87
11 41 33 00-0138	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	287.88	34.15
11 41 33 00-0139	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	303.33	34.42
11 41 33 00-0140	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	323.62	34.69
11 41 33 00-0141	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	331.75	34.96
11 41 33 00-0142	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	360.25	35.51
11 41 33 00-0143	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	259.41	33.59
11 41 33 00-0144	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	277.28	33.87
11 41 33 00-0145	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	290.33	34.15
11 41 33 00-0146	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	305.73	34.42
11 41 33 00-0147	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	316.34	34.69
11 41 33 00-0148	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	341.53	34.96
11 41 33 00-0149	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	354.54	35.23
11 41 33 00-0150	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	387.90	35.78
11 41 33 00-0151	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	282.22	33.87
11 41 33 00-0152	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	292.78	34.15
11 41 33 00-0153	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	300.90	34.42
11 41 33 00-0154	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	321.22	34.69
11 41 33 00-0155	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	334.25	34.96
11 41 33 00-0156	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	359.44	35.23
11 41 33 00-0157	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	377.28	35.51
11 41 33 00-0158	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	420.44	36.05
11 41 33 00-0159	EA	30" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	361.05	34.15
11 41 33 00-0160	EA	30" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	400.84	34.42
11 41 33 00-0161	EA	30" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	426.06	34.69
11 41 33 00-0162	EA	30" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	482.99	34.96
11 41 33 00-0163	EA	36" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	396.00	35.23
11 41 33 00-0164	EA	36" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	433.42	35.51
11 41 33 00-0165	EA	36" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	480.55	35.78
11 41 33 00-0166	EA	36" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Chrome Shelving Unit	556.87	36.32

11 41 33 00-0167 86" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0168	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	240.70	33.05
11 41 33 00-0169	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	251.26	33.32
11 41 33 00-0170	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	264.25	33.59
11 41 33 00-0171	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	272.43	33.87
11 41 33 00-0172	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	287.83	34.15
11 41 33 00-0173	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	300.90	34.42
11 41 33 00-0174	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	311.44	34.69
11 41 33 00-0175	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	335.02	35.23
11 41 33 00-0176	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	258.55	33.32
11 41 33 00-0177	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	266.70	33.59
11 41 33 00-0178	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	274.88	33.87
11 41 33 00-0179	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	297.63	34.15
11 41 33 00-0180	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	313.08	34.42
11 41 33 00-0181	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	333.37	34.69
11 41 33 00-0182	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	341.49	34.96
11 41 33 00-0183	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	369.99	35.51
11 41 33 00-0184	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	269.15	33.59
11 41 33 00-0185	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	287.01	33.87
11 41 33 00-0186	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	300.08	34.15
11 41 33 00-0187	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	315.47	34.42
11 41 33 00-0188	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	326.07	34.69
11 41 33 00-0189	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	351.28	34.96
11 41 33 00-0190	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	364.29	35.23
11 41 33 00-0191	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	397.64	35.78
11 41 33 00-0192	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	291.96	33.87
11 41 33 00-0193	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	302.51	34.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0194	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	310.63	34.42
11 41 33 00-0195	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	330.97	34.69
11 41 33 00-0196	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	343.98	34.96
11 41 33 00-0197	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	369.18	35.23
11 41 33 00-0198	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	387.01	35.51
11 41 33 00-0199	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	430.17	36.05
11 41 33 00-0200	EA	30" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	370.79	34.15
11 41 33 00-0201	EA	30" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	410.57	34.42
11 41 33 00-0202	EA	30" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	435.81	34.69
11 41 33 00-0203	EA	30" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	492.72	34.96
11 41 33 00-0204	EA	36" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	405.73	35.23
11 41 33 00-0205	EA	36" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	443.16	35.51
11 41 33 00-0206	EA	36" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	490.30	35.78
11 41 33 00-0207	EA	36" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Chrome Shelving Unit	566.61	36.32

11 41 33 00-0208 96" Height, 4 Tier Open Wire Shelves, Chrome Shelving Unit *(11 41 33 00-0002)*

11 41 33 00-0209	EA	14" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	276.67	33.05
11 41 33 00-0210	EA	14" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	289.66	33.32
11 41 33 00-0211	EA	14" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	305.71	33.59
11 41 33 00-0212	EA	14" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	315.72	33.87
11 41 33 00-0213	EA	14" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	334.77	34.15
11 41 33 00-0214	EA	14" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	350.89	34.42
11 41 33 00-0215	EA	14" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	363.87	34.69
11 41 33 00-0216	EA	14" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	392.93	35.23
11 41 33 00-0217	EA	18" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	298.78	33.32
11 41 33 00-0218	EA	18" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	308.77	33.59
11 41 33 00-0219	EA	18" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	318.77	33.87
11 41 33 00-0220	EA	18" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	347.00	34.15
11 41 33 00-0221	EA	18" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	366.12	34.42
11 41 33 00-0222	EA	18" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	391.28	34.69
11 41 33 00-0223	EA	18" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	401.22	34.96
11 41 33 00-0224	EA	18" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	436.44	35.51
11 41 33 00-0225	EA	21" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	311.83	33.59
11 41 33 00-0226	EA	21" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	333.95	33.87
11 41 33 00-0227	EA	21" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	350.07	34.15
11 41 33 00-0228	EA	21" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	369.11	34.42
11 41 33 00-0229	EA	21" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	382.17	34.69
11 41 33 00-0230	EA	21" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	413.46	34.96
11 41 33 00-0231	EA	21" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	429.52	35.23
11 41 33 00-0232	EA	21" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	470.80	35.78
11 41 33 00-0233	EA	24" x 24" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	340.13	33.87
11 41 33 00-0234	EA	24" x 30" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	353.13	34.15
11 41 33 00-0235	EA	24" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	363.06	34.42
11 41 33 00-0236	EA	24" x 42" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	388.29	34.69
11 41 33 00-0237	EA	24" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	404.34	34.96
11 41 33 00-0238	EA	24" x 54" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	435.63	35.23
11 41 33 00-0239	EA	24" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	457.73	35.51
11 41 33 00-0240	EA	24" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	511.26	36.05
11 41 33 00-0241	EA	30" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	438.47	34.15
11 41 33 00-0242	EA	30" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	487.99	34.42
11 41 33 00-0243	EA	30" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	519.33	34.69
11 41 33 00-0244	EA	30" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	590.28	34.96
11 41 33 00-0245	EA	36" x 36" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	481.33	35.23
11 41 33 00-0246	EA	36" x 48" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	527.91	35.51
11 41 33 00-0247	EA	36" x 60" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	586.61	35.78
11 41 33 00-0248	EA	36" x 72" Wide Open Wire Shelf, 96" Height, 4 Shelves, Chrome Shelving Unit	681.60	36.32

11 41 33 00-0249 Galvanized Shelving Units *(11 41 33 00-0001)*

11 41 33 00-0250 54" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*

11 41 33 00-0251	EA	14" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	304.60	33.05
11 41 33 00-0252	EA	14" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	319.80	33.32
11 41 33 00-0253	EA	14" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	338.66	33.59
11 41 33 00-0254	EA	14" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	353.87	33.87
11 41 33 00-0255	EA	14" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	376.34	34.15
11 41 33 00-0256	EA	14" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	395.13	34.42
11 41 33 00-0257	EA	14" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	413.99	34.69
11 41 33 00-0258	EA	14" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	444.40	35.23
11 41 33 00-0259	EA	18" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	330.59	33.32
11 41 33 00-0260	EA	18" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	342.26	33.59
11 41 33 00-0261	EA	18" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	364.66	33.87
11 41 33 00-0262	EA	18" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	390.72	34.15
11 41 33 00-0263	EA	18" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	413.18	34.42
11 41 33 00-0264	EA	18" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	442.75	34.69
11 41 33 00-0265	EA	18" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	465.23	34.96
11 41 33 00-0266	EA	18" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	499.34	35.51
11 41 33 00-0267	EA	21" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	345.85	33.59
11 41 33 00-0268	EA	21" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	375.52	33.87
11 41 33 00-0269	EA	21" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	394.31	34.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0270	EA	21" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	416.78	34.42
11 41 33 00-0271	EA	21" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	431.97	34.69
11 41 33 00-0272	EA	21" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	472.42	34.96
11 41 33 00-0273	EA	21" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	491.29	35.23
11 41 33 00-0274	EA	21" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	546.93	35.78
11 41 33 00-0275	EA	24" x 24" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	382.71	33.87
11 41 33 00-0276	EA	24" x 30" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	397.91	34.15
11 41 33 00-0277	EA	24" x 36" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	409.59	34.42
11 41 33 00-0278	EA	24" x 42" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	439.16	34.69
11 41 33 00-0279	EA	24" x 48" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	472.42	34.96
11 41 33 00-0280	EA	24" x 54" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	509.25	35.23
11 41 33 00-0281	EA	24" x 60" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	538.91	35.51
11 41 33 00-0282	EA	24" x 72" Wide Open Wire Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	605.42	36.05

11 41 33 00-0283 63" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*

11 41 33 00-0284	EA	14" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	311.79	33.05
11 41 33 00-0285	EA	14" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	326.99	33.32
11 41 33 00-0286	EA	14" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	345.85	33.59
11 41 33 00-0287	EA	14" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	361.06	33.87
11 41 33 00-0288	EA	14" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	383.53	34.15
11 41 33 00-0289	EA	14" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	402.32	34.42
11 41 33 00-0290	EA	14" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	421.18	34.69
11 41 33 00-0291	EA	14" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	451.59	35.23
11 41 33 00-0292	EA	18" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	337.78	33.32
11 41 33 00-0293	EA	18" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	349.45	33.59
11 41 33 00-0294	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	371.85	33.87
11 41 33 00-0295	EA	18" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	397.91	34.15
11 41 33 00-0296	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	420.37	34.42
11 41 33 00-0297	EA	18" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	449.94	34.69
11 41 33 00-0298	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	472.42	34.96
11 41 33 00-0299	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	506.48	35.51
11 41 33 00-0300	EA	21" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	353.04	33.59
11 41 33 00-0301	EA	21" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	382.71	33.87
11 41 33 00-0302	EA	21" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	401.50	34.15
11 41 33 00-0303	EA	21" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	423.97	34.42
11 41 33 00-0304	EA	21" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	439.16	34.69
11 41 33 00-0305	EA	21" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	479.61	34.96
11 41 33 00-0306	EA	21" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	498.48	35.23
11 41 33 00-0307	EA	21" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	554.12	35.78
11 41 33 00-0308	EA	24" x 24" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	389.90	33.87
11 41 33 00-0309	EA	24" x 30" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	405.10	34.15
11 41 33 00-0310	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	416.78	34.42
11 41 33 00-0311	EA	24" x 42" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	446.35	34.69
11 41 33 00-0312	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	479.61	34.96
11 41 33 00-0313	EA	24" x 54" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	516.44	35.23
11 41 33 00-0314	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	546.10	35.51
11 41 33 00-0315	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	612.61	36.05

11 41 33 00-0316 74" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*

11 41 33 00-0317	EA	14" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	318.98	33.05
11 41 33 00-0318	EA	14" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	334.18	33.32
11 41 33 00-0319	EA	14" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	353.04	33.59
11 41 33 00-0320	EA	14" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	368.25	33.87
11 41 33 00-0321	EA	14" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	390.72	34.15
11 41 33 00-0322	EA	14" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	409.51	34.42
11 41 33 00-0323	EA	14" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	428.37	34.69
11 41 33 00-0324	EA	14" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	458.77	35.23
11 41 33 00-0325	EA	18" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	344.97	33.32
11 41 33 00-0326	EA	18" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	356.64	33.59
11 41 33 00-0327	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	379.04	33.87
11 41 33 00-0328	EA	18" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	405.10	34.15
11 41 33 00-0329	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	427.56	34.42
11 41 33 00-0330	EA	18" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	457.12	34.69
11 41 33 00-0331	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	479.61	34.96
11 41 33 00-0332	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	513.67	35.51
11 41 33 00-0333	EA	21" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	360.23	33.59
11 41 33 00-0334	EA	21" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	389.90	33.87
11 41 33 00-0335	EA	21" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	408.69	34.15
11 41 33 00-0336	EA	21" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	431.16	34.42
11 41 33 00-0337	EA	21" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	446.35	34.69
11 41 33 00-0338	EA	21" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	486.80	34.96
11 41 33 00-0339	EA	21" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	505.67	35.23
11 41 33 00-0340	EA	21" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	561.31	35.78
11 41 33 00-0341	EA	24" x 24" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	397.09	33.87
11 41 33 00-0342	EA	24" x 30" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	412.29	34.15
11 41 33 00-0343	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	423.97	34.42
11 41 33 00-0344	EA	24" x 42" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	453.54	34.69
11 41 33 00-0345	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	486.80	34.96
11 41 33 00-0346	EA	24" x 54" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	523.63	35.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0347	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	553.29	35.51
11 41 33 00-0348	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	619.79	36.05

11 41 33 00-0349 86" Height, 4 Tier Open Wire Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*

11 41 33 00-0350	EA	14" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	337.03	33.05
11 41 33 00-0351	EA	14" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	352.23	33.32
11 41 33 00-0352	EA	14" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	371.09	33.59
11 41 33 00-0353	EA	14" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	386.30	33.87
11 41 33 00-0354	EA	14" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	408.77	34.15
11 41 33 00-0355	EA	14" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	427.56	34.42
11 41 33 00-0356	EA	14" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	446.42	34.69
11 41 33 00-0357	EA	14" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	476.82	35.23
11 41 33 00-0358	EA	18" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	363.02	33.32
11 41 33 00-0359	EA	18" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	374.69	33.59
11 41 33 00-0360	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	397.09	33.87
11 41 33 00-0361	EA	18" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	423.15	34.15
11 41 33 00-0362	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	445.61	34.42
11 41 33 00-0363	EA	18" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	475.17	34.69
11 41 33 00-0364	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	497.66	34.96
11 41 33 00-0365	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	531.72	35.51
11 41 33 00-0366	EA	21" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	378.28	33.59
11 41 33 00-0367	EA	21" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	407.95	33.87
11 41 33 00-0368	EA	21" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	426.74	34.15
11 41 33 00-0369	EA	21" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	449.21	34.42
11 41 33 00-0370	EA	21" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	464.40	34.69
11 41 33 00-0371	EA	21" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	504.85	34.96
11 41 33 00-0372	EA	21" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	523.72	35.23
11 41 33 00-0373	EA	21" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	579.36	35.78
11 41 33 00-0374	EA	24" x 24" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	415.14	33.87
11 41 33 00-0375	EA	24" x 30" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	430.34	34.15
11 41 33 00-0376	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	442.02	34.42
11 41 33 00-0377	EA	24" x 42" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	471.59	34.69
11 41 33 00-0378	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	504.85	34.96
11 41 33 00-0379	EA	24" x 54" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	541.68	35.23
11 41 33 00-0380	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	571.34	35.51
11 41 33 00-0381	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	637.84	36.05

11 41 33 00-0382 54" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*

11 41 33 00-0383	EA	18" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	570.01	33.87
11 41 33 00-0384	EA	18" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	625.72	34.42
11 41 33 00-0385	EA	18" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	699.41	34.96
11 41 33 00-0386	EA	18" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	744.26	35.51
11 41 33 00-0387	EA	24" x 36" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	622.06	34.42
11 41 33 00-0388	EA	24" x 48" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	717.39	34.96
11 41 33 00-0389	EA	24" x 60" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	791.07	35.51
11 41 33 00-0390	EA	24" x 72" Wide Solid Shelf, 54" Height, 4 Shelves, Galvanized Shelving Unit	900.78	36.05

11 41 33 00-0391 63" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*

11 41 33 00-0392	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	577.20	33.87
11 41 33 00-0393	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	632.92	34.42
11 41 33 00-0394	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	706.60	34.96
11 41 33 00-0395	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	751.45	35.51
11 41 33 00-0396	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	629.25	34.42
11 41 33 00-0397	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	724.58	34.96
11 41 33 00-0398	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	798.26	35.51
11 41 33 00-0399	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Galvanized Shelving Unit	907.97	36.05

11 41 33 00-0400 74" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*

11 41 33 00-0401	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	584.39	33.87
11 41 33 00-0402	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	640.11	34.42
11 41 33 00-0403	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	713.80	34.96
11 41 33 00-0404	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	758.64	35.51
11 41 33 00-0405	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	636.44	34.42
11 41 33 00-0406	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	731.77	34.96
11 41 33 00-0407	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	805.44	35.51
11 41 33 00-0408	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Galvanized Shelving Unit	915.18	36.05

11 41 33 00-0409 86" Height, 4 Tier Solid Shelves, Galvanized Shelving Unit *(11 41 33 00-0249)*

11 41 33 00-0410	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	602.44	33.87
11 41 33 00-0411	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	658.15	34.42
11 41 33 00-0412	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	731.84	34.96
11 41 33 00-0413	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	776.69	35.51
11 41 33 00-0414	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	654.49	34.42
11 41 33 00-0415	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	749.82	34.96
11 41 33 00-0416	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	823.50	35.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0417	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Galvanized Shelving Unit	933.21	36.05
11 41 33 00-0418		**Stainless Steel Shelving Unit** *(11 41 33 00-0001)*		
11 41 33 00-0419		**63" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0420	EA	18" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	728.19	33.87
11 41 33 00-0421	EA	18" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	848.10	34.42
11 41 33 00-0422	EA	18" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	999.62	34.96
11 41 33 00-0423	EA	18" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,158.31	35.51
11 41 33 00-0424	EA	24" x 36" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	858.14	34.42
11 41 33 00-0425	EA	24" x 48" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	995.67	34.96
11 41 33 00-0426	EA	24" x 60" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,175.94	35.51
11 41 33 00-0427	EA	24" x 72" Wide Open Wire Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,414.06	36.05
11 41 33 00-0428		**74" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0429	EA	18" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	753.35	33.87
11 41 33 00-0430	EA	18" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	873.26	34.42
11 41 33 00-0431	EA	18" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,028.37	34.96
11 41 33 00-0432	EA	18" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,183.46	35.51
11 41 33 00-0433	EA	24" x 36" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	883.30	34.42
11 41 33 00-0434	EA	24" x 48" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,020.83	34.96
11 41 33 00-0435	EA	24" x 60" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,201.09	35.51
11 41 33 00-0436	EA	24" x 72" Wide Open Wire Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,439.23	36.05
11 41 33 00-0437		**86" Height, 4 Tier Open Wire Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0438	EA	18" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	778.51	33.87
11 41 33 00-0439	EA	18" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	898.42	34.42
11 41 33 00-0440	EA	18" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,053.52	34.96
11 41 33 00-0441	EA	18" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,208.63	35.51
11 41 33 00-0442	EA	24" x 36" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	908.46	34.42
11 41 33 00-0443	EA	24" x 48" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,045.99	34.96
11 41 33 00-0444	EA	24" x 60" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,226.26	35.51
11 41 33 00-0445	EA	24" x 72" Wide Open Wire Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,464.38	36.05
11 41 33 00-0446		**63" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0447	EA	18" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,193.27	33.87
11 41 33 00-0448	EA	18" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,319.06	34.42
11 41 33 00-0449	EA	18" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,486.06	34.96
11 41 33 00-0450	EA	18" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,586.91	35.51
11 41 33 00-0451	EA	24" x 36" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,429.02	34.42
11 41 33 00-0452	EA	24" x 48" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,682.84	34.96
11 41 33 00-0453	EA	24" x 60" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	1,867.94	35.51
11 41 33 00-0454	EA	24" x 72" Wide Solid Shelf, 63" Height, 4 Shelves, Stainless Steel Shelving Unit	2,144.79	36.05
11 41 33 00-0455		**74" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0456	EA	18" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,229.29	33.87
11 41 33 00-0457	EA	18" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,357.26	34.42
11 41 33 00-0458	EA	18" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,527.21	34.96
11 41 33 00-0459	EA	18" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,629.77	35.51
11 41 33 00-0460	EA	24" x 36" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,465.05	34.42
11 41 33 00-0461	EA	24" x 48" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,718.85	34.96
11 41 33 00-0462	EA	24" x 60" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	1,905.99	35.51
11 41 33 00-0463	EA	24" x 72" Wide Solid Shelf, 74" Height, 4 Shelves, Stainless Steel Shelving Unit	2,185.94	36.05
11 41 33 00-0464		**86" Height, 4 Tier Solid Shelves, Stainless Steel Shelving Unit** *(11 41 33 00-0418)*		
11 41 33 00-0465	EA	18" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,265.32	33.87
11 41 33 00-0466	EA	18" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,392.60	34.42
11 41 33 00-0467	EA	18" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,561.66	34.96
11 41 33 00-0468	EA	18" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,663.74	35.51
11 41 33 00-0469	EA	24" x 36" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,501.07	34.42
11 41 33 00-0470	EA	24" x 48" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,754.88	34.96
11 41 33 00-0471	EA	24" x 60" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	1,940.86	35.51
11 41 33 00-0472	EA	24" x 72" Wide Solid Shelf, 86" Height, 4 Shelves, Stainless Steel Shelving Unit	2,219.00	36.05
11 41 33 00-0473		**Galvanized Steel Dunnage Rack** *(11 41 33 00-0001)*		
11 41 33 00-0474	EA	18" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	191.12	24.36
11 41 33 00-0475	EA	18" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	200.90	25.03
11 41 33 00-0476	EA	18" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	211.97	25.72
11 41 33 00-0477	EA	18" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	232.08	26.39
11 41 33 00-0478	EA	18" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	249.59	27.07
11 41 33 00-0479	EA	24" x 24" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	204.01	24.36
11 41 33 00-0480	EA	24" x 30" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	221.53	25.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 41 33 00-0481	EA	24" x 36" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	232.60	25.72
11 41 33 00-0482	EA	24" x 48" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	251.42	26.39
11 41 33 00-0483	EA	24" x 60" Open Wire Shelf, 14" Height, Galvanized Dunnage Rack	272.79	27.07

11 41 33 00-0484 Stainless Steel Dunnage Rack *(11 41 33 00-0001)*

11 41 33 00-0485	EA	18" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	480.63	25.72
11 41 33 00-0486	EA	18" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	597.84	26.39
11 41 33 00-0487	EA	18" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	995.99	27.07
11 41 33 00-0488	EA	24" x 36" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	523.74	25.72
11 41 33 00-0489	EA	24" x 48" Open Wire Shelf, 14-1/2" Height, Stainless Steel Dunnage Rack	647.75	26.39
11 41 33 00-0490	EA	24" x 60" Open Wire Shelf, 16-1/4" Height, Stainless Steel Dunnage Rack	1,084.09	27.07

11 41 33 00-0491 Mobile Racks *(11 41 33 00-0001)*

11 41 33 00-0492	EA	Mobile Rack With Pan Slide	1,454.85	41.01

11 41 33 00-0493 Can Racks *(11 41 33 00-0001)*

11 41 33 00-0494	EA	27-1/4" Wide x 42" Deep x 81-1/16" High, Aluminum Frame Can Rack Note: 156 #10 cans capacity	2,605.32	41.01

11 42 Food Preparation Equipment *(11 40)*

11 42 13 Food Preparation Appliances *(11 42)*

11 42 13 00-0001 Vertical Cutter Mixers *(11 42 13)*

11 42 13 00-0002	EA	Bench Type Mixers, 25 Quart	8,523.40	207.49
11 42 13 00-0003	EA	Bench Type Mixers, 40 Quart	9,850.98	230.55
11 42 13 00-0004	EA	Bench Type Mixers, 80 Quart	12,247.91	331.99
11 42 13 00-0005	EA	Bench Type Mixers, 130 Quart	13,701.01	414.98

11 42 13 00-0006 Choppers *(11 42 13)*

11 42 13 00-0007	EA	Choppers, 5 LB	2,195.88	184.44
11 42 13 00-0008	EA	Choppers, 16 LB	3,216.66	239.77
11 42 13 00-0009	EA	Choppers, 35 LB - 40 LB	6,150.05	295.09
11 42 13 00-0010	EA	Choppers, 35 LB - 40 LB/Min, 2 HP	5,089.97	262.17
11 42 13 00-0011	EA	Choppers, 35 LB - 40 LB/Min, 3 HP	5,761.67	262.17

11 42 13 00-0012 Stand Model Mixer *(11 42 13)*

11 42 13 00-0013	EA	10 Quart, 120 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX10)	993.64	73.92
11 42 13 00-0014	EA	20 Quart, 120 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Avantco MX20)	1,235.64	73.92
11 42 13 00-0015	EA	10 Quart, 120 Voltage, 1/3 HP, Gear-Driven Commercial Planetary Stand Mixer With Guard (Globe SP10)	3,258.76	73.92
11 42 13 00-0016	EA	20 Quart, 240 Voltage, 1/2 HP, Gear-Driven Commercial Planetary Stand Mixer With Stainless Steel Bowl Guard (Hobart HL-200-1)	6,901.52	87.61

11 42 13 00-0017 Floor Model Mixer *(11 42 13)*

11 42 13 00-0018	EA	30 Quart, 120 Voltage, 1-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX30)	2,566.64	73.92
11 42 13 00-0019	EA	40 Quart, 240 Voltage, 2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX40)	3,551.09	82.15
11 42 13 00-0020	EA	60 Quart, 240 Voltage, 2-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Avantco MX60)	6,112.60	92.41
11 42 13 00-0021	EA	30 Quart, 240 Voltage, 3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-300-1)	13,099.87	87.61
11 42 13 00-0022	EA	40 Quart, 240 Voltage, 1-1/2 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-400-1)	16,079.09	89.91
11 42 13 00-0023	EA	60 Quart, 220-240 Voltage, 2-3/4 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-600-1)	20,473.48	92.22
11 42 13 00-0024	EA	80 Quart, 220-240 Voltage, 3 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL800-1)	30,229.60	115.27
11 42 13 00-0025	EA	140 Quart, 220-240 Voltage, 5 HP, Gear-Driven Commercial Planetary Floor Mixer With Stainless Steel Bowl Guard (Hobart HL-1400-1)	38,723.01	147.55

11 42 13 00-0026 Slicers *(11 42 13)*

11 42 13 00-0027	EA	1/3 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL312)	596.20	23.10
11 42 13 00-0028	EA	1/2 HP, 12" Manual Gravity Feed Meat Slicer (Avantco SL512)	870.11	23.10
11 42 13 00-0029	EA	1/2 HP, 13" Medium-Duty Manual Gravity Feed Meat Slicer (Avantco SL713MAN)	1,255.11	23.10
11 42 13 00-0030	EA	1/2 HP, 12" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL612A)	2,135.11	23.10
11 42 13 00-0031	EA	3/4 HP, 13" Medium-Duty Automatic Meat Slicer With Manual Use Option (Avantco SL713A)	2,355.11	23.10
11 42 13 00-0032	EA	1/2 HP, 13" Heavy-Duty Automatic Gravity Feed Meat Slicer (Hobart EDGE13A-11)	4,327.41	23.10

11 42 13 00-0033 Peelers *(11 42 13)*

11 42 13 00-0034	EA	22 Lb, 120 Voltage, Potato Peeler (Sammic PI-10)	2,756.92	149.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 13 00-0035	EA	44 Lb, 120 Voltage, Potato Peeler (Sammic PI-20)	3,187.69	174.75
11 42 13 00-0036	EA	66 Lb, 120 Voltage, Potato Peeler (Sammic PI-30)	4,916.12	199.84
11 42 13 00-0037	EA	20 Lb, 115 Voltage, Potato Peeler (Hobart 6115)	4,377.16	149.85
11 42 13 00-0038	EA	40 Lb, 115 Voltage, Potato Peeler (Hobart 6430-1)	8,832.94	174.75
11 42 13 00-0039	EA	60 Lb, 115 Voltage, Potato Peeler (Hobart 6460-1)	9,409.15	199.84
11 42 13 00-0040		**Proof Boxes** *(11 42 13)*		
11 42 13 00-0041	EA	30-1/2" x 22-1/2", Stainless Steel Proof Box	2,067.64	65.28
11 42 13 00-0042	EA	30-1/2" x 45", Stainless Steel Proof Box	3,459.88	109.40
11 42 13 00-0043	EA	30-1/2" x 45", Galvanized Proof Box	2,806.88	49.66
11 42 13 00-0044		**Non-Insulated Heated Proof Cabinet** *(11 42 13)*		
11 42 13 00-0045	EA	Angle Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	1,626.29	62.55
11 42 13 00-0046	EA	Angle Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet	1,744.53	66.88
11 42 13 00-0047	EA	Channel Slide 69-3/4", Solid Door Non Insulated Heated Proof Cabinet	1,615.25	62.05
11 42 13 00-0048	EA	Channel Slide 69-3/4", Clear Door Non Insulated Heated Proof Cabinet	1,711.95	65.78
11 42 13 00-0049		**Insulated Heated Proof Cabinet** *(11 42 13)*		
11 42 13 00-0050	EA	3 Spacing, 69-3/4" High Solid Door Insulated Heated Proof Cabinet	2,645.08	106.23
11 42 13 00-0051	EA	3 Spacing 69-3/4" High Sliding Door Insulated Heated Proof Cabinet	2,764.15	111.05
11 42 13 00-0052		**Pass-Thru Hot Food Holding Cabinet** *(11 42 13)*		
11 42 13 00-0053	EA	Single Section, Full Door, Pass-Thru Hot Food Holding Cabinet	4,897.53	193.66
11 42 13 00-0054	EA	Single Section, Half Door, Pass-Thru Hot Food Holding Cabinet	5,204.44	193.66
11 42 13 00-0055	EA	Two Section, Full Door, Pass-Thru Hot Food Holding Cabinet	6,623.68	202.87
11 42 13 00-0056	EA	Two Section, Half Door, Pass-Thru Hot Food Holding Cabinet	7,250.62	202.87
11 42 16		**Food Preparation Surfaces** *(11 42)*		
11 42 16 00-0001		**Tables** *(11 42 16)*		
11 42 16 00-0002		**Baker's Table** *(11 42 16 00-0001)*		
11 42 16 00-0003	EA	4' Open Base Baker's Table	831.52	47.36
11 42 16 00-0004	EA	10' Open Base Baker's Table	1,632.00	92.86
11 42 16 00-0005	EA	10' Undershelf Baker's Table	2,013.64	114.58
11 42 16 00-0006	EA	10' Three Drawers Baker's Table	2,159.69	123.04
11 42 16 00-0007	EA	10' Bins Baker's Table	3,177.48	181.07
11 42 16 00-0008	EA	10' Bins And Drawers Baker's Table	4,989.55	284.24
11 42 16 00-0009		**Preparation Table, Stainless Steel, With Undershelf** *(11 42 16 00-0001)*		
11 42 16 00-0010	EA	30" x 72" Square Edge Stainless Steel Preparation Table With Undershelf	757.92	24.97
11 42 16 00-0011	EA	30" x 72' Marine Edge Stainless Steel Preparation Table With Undershelf	817.79	29.99
11 42 16 00-0012	EA	36" x 96" Marine Edge Stainless Steel Preparation Table With Undershelf	1,234.60	40.77
11 42 16 00-0013		**Preparation Table, Stainless Steel, With Open Front** *(11 42 16 00-0001)*		
11 42 16 00-0014	EA	30" X 72" Round Edge Stainless Steel Preparation Table With Open Front	798.05	26.27
11 42 16 00-0015	EA	36" X 96" Round Edge Stainless Steel Preparation Table With Open Front	1,025.72	33.80
11 42 16 00-0016	EA	36" X 96" Square Edge Stainless Steel Preparation Table With Open Front	881.08	29.07
11 42 16 00-0017	EA	36" X 96' Marine Edge Stainless Steel Preparation Table With Open Front	1,060.54	35.01
11 42 16 00-0018	EA	Roller Utility Drawers Stainless Steel Preparation Table With Open Front	214.24	7.05
11 42 16 00-0019		**Mobile Tables** *(11 42 16 00-0001)*		
11 42 16 00-0020	EA	21-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	2,688.35	22.37
11 42 16 00-0021	EA	32-1/4" x 27-1/2" x 41" Galvanized Mobile Table With Galvanized Top	1,450.73	26.84
11 42 16 00-0022	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Mobile Table With Stainless Steel Top	913.26	30.17
11 42 16 00-0023		**Hot Food Tables, Stainless Steel, Gas Or Electric** *(11 42 16 00-0001)*		
11 42 16 00-0024	EA	32-1/4" x 27-1/2" x 41" Stainless Steel Hot Food Tables	1,631.06	53.86
11 42 16 00-0025	EA	32-1/4" x 27-1/2" x 21" Stainless Steel Hot Food Tables	1,322.98	43.64
11 42 16 00-0026	EA	Full Size Pan With Cover Stainless Steel Hot Food Tables	109.81	3.62
11 42 16 00-0027	EA	Set Of Three 1/3 Size With Cover Stainless Steel Hot Food Tables	160.66	5.29
11 42 16 00-0028	EA	58-1/2", 4 Openings Stainless Steel Hot Food Tables	3,227.73	102.24
11 42 16 00-0029	EA	114-1/2", 8 Openings Stainless Steel Hot Food Tables	6,421.58	203.98
11 42 16 00-0030		**Basic Table** *(11 42 16 00-0001)*		
11 42 16 00-0031	LF	Table, Basic	281.84	22.80
11 42 16 00-0032		**Table With Sink** *(11 42 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 42 16 00-0033	LF	Table With Sink	348.65	38.93

11 42 23 Food Preparation Scullery Sinks *(11 42)*

11 42 23 00-0001 Stainless Steel Scullery Sinks *(11 42 23)*

Note: Excludes faucet. See CSI section 22 42 39 00-0071 for service sink faucets.

11 42 23 00-0002	EA	Stainless Steel Scullery Sink, Single 30" x 24" x 12" Compartment And Drainboard	1,903.65	163.35
		For Additional Drain Board, Add	*171.70*	
11 42 23 00-0003	EA	Stainless Steel Scullery Sink, Double 30" x 24" x 12" Compartment And Drainboard	2,678.23	186.68
		For Additional Drain Board, Add	*244.49*	
11 42 23 00-0004	EA	Stainless Steel Scullery Sink, Triple 30" x 24" x 12" Compartment And Drainboard	3,536.72	186.68
		For Additional Drain Board, Add	*325.67*	
11 42 23 00-0005	EA	Stainless Steel Scullery Sink, Quad 30" x 24" x 12" Compartment And Drainboard	5,048.40	186.68
		For Additional Drain Board, Add	*467.50*	
11 42 23 00-0006	EA	Stainless Steel Pot Sink, Double 20" x 20" x 18" Compartment And Drainboard	3,129.96	186.68

11 44 Food Cooking Equipment *(11 40)*

11 44 13 Commercial Ranges *(11 44)*

11 44 13 00-0001 Range *(11 44 13)*

11 44 13 00-0002	EA	Heavy Duty Range, With 34" Open Top Oven	4,449.36	92.22
11 44 13 00-0003	EA	Range With Fry Top	4,449.36	92.22
11 44 13 00-0004	EA	Steel Finish Fry Top	9,647.15	122.79
11 44 13 00-0005	EA	Stainless Top Only Fry Top	9,644.89	121.38
11 44 13 00-0006	EA	Stainless Top And 2 Sides Fry Top	11,143.34	141.33
11 44 13 00-0007	EA	Gas Range, Vulcan #260L Note: Six 12" burners, open top sections, porcelain on steel aeration plates and grates. 24" griddle/broiler, two 26-1/4" x 22" x 14-1/2" ovens porcelain on steel liner and aluminized steel construction, nickel plated oven racks.	10,015.35	125.91
11 44 13 00-0008	EA	48" Range With Casters (Vulcan 48C-4B24GN)	9,673.20	82.03

11 44 16 Commercial Ovens *(11 44)*

11 44 16 00-0001 Bake Oven *(11 44 16)*

11 44 16 00-0002	EA	55", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	11,002.48	329.59
11 44 16 00-0003	EA	55", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-3836)	11,002.48	329.59
11 44 16 00-0004	EA	74", 208 Voltage, 1 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	14,826.13	329.59
11 44 16 00-0005	EA	74", 208 Voltage, 3 Phase, Single Deck Electric Bake Oven (Bakers Pride EB-1-8-5736)	14,826.13	329.59
11 44 16 00-0006	EA	55", 208 Voltage, 1 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	21,101.64	376.68
11 44 16 00-0007	EA	55", 208 Voltage, 3 Phase, Double Deck Electric Bake Oven (Bakers Pride EB-2-8-3836)	21,101.64	376.68

11 44 16 00-0008 Rapid-Cook Countertop Bake Ovens *(11 44 16)*

11 44 16 00-0009	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Control, Stainless Steel Countertop Oven (TurboChef ECS-9500-1)	8,735.01	20.51
11 44 16 00-0010	EA	800 To 2,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Control, Stainless Steel Classic Countertop Oven (MerryChef E1SM)	5,181.96	20.51
11 44 16 00-0011	EA	4,700 Watts, 208/240 Volt, 1.2 CF, Rapid Cook Type, Touchscreen Control, Stainless Steel Countertop Oven (MerryChef E3-1330-H)	4,080.86	20.51
11 44 16 00-0012	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop High-Speed Oven (TurboChef ECO-9500-1)	6,224.06	20.51
11 44 16 00-0013	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Black (TurboChef ECO-9500-5)	6,478.00	20.51
11 44 16 00-0014	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven, Red (TurboChef ECO-9500-2)	6,478.00	20.51
11 44 16 00-0015	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Blue (TurboChef ECO-9500)	6,478.00	20.51
11 44 16 00-0016	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Green (TurboChef ECO-9500)	6,478.00	20.51
11 44 16 00-0017	EA	800 To 900 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven, White (TurboChef ECO-9500)	6,478.00	20.51
11 44 16 00-0018	EA	1,600 To 1,700 Watts, 208/240 Volt, 1.05 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven (TurboChef NGC-1280-1)	12,055.18	20.51
11 44 16 00-0019	EA	6,200 Watts, 208/240 Volt, 1.304 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E4S)	11,176.41	20.51
11 44 16 00-0020	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Ventless Countertop Oven (Amana JET19V)	5,968.02	20.51
11 44 16 00-0021	EA	3,200 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Jetwave Countertop Oven (Amana JET14)	4,877.45	20.51
11 44 16 00-0022	EA	4,600 Watts, 208/240 Volt, 1.2 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven (Amana JET19)	5,304.19	20.51
11 44 16 00-0023	EA	6,200 Watts, 208/240 Volt, 0.78 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef ENC-9600-601)	12,687.40	20.51
11 44 16 00-0024	EA	5,700 Watts, 208/240 Volt, 1.38 CF, Accelerated Cook Type, Digital Controls, Stainless Steel Countertop Oven With Teflon® Coating And Touch Screen Display (Amana MXP22TLT)	11,326.03	20.51
11 44 16 00-0025	EA	1,000 To 2,200 Watts, 208/240 Volt, 0.58 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (MerryChef E2S STANDARD CLASSIC)	7,920.50	20.51
11 44 16 00-0026	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	15,944.35	20.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0027	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i5)	15,944.35	20.51
11 44 16 00-0028	EA	9,500 To 11,500 Watts, 208/240 Volt, 2.2 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5 Touch)	16,534.42	20.51
11 44 16 00-0029	EA	11,500 Watts, 208/240 Volt, 2.2 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i5-9500-414-DL)	16,534.42	20.51
11 44 16 00-0030	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX1)	8,765.56	20.51
11 44 16 00-0031	EA	5,000 Watts, 208/240 Volt, 1.45 CF, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef HHB-8603-1)	8,735.01	20.51
11 44 16 00-0032	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef I1-9500-400)	10,655.88	20.51
11 44 16 00-0033	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Countertop Oven (TurboChef I1-9500-104)	9,281.87	20.51
11 44 16 00-0034	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen, Countertop Oven With Panini Press (TurboChef PANINI)	10,371.39	20.51
11 44 16 00-0035	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touch Screen Controls, Stainless Steel Countertop Oven With Panini Press (TurboChef PANINI TOUCH)	10,876.10	20.51
11 44 16 00-0036	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven With Touch Controls (TurboChef SOTA SNGL MAG TOUCH)	9,629.59	20.51
11 44 16 00-0037	EA	6,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER)	11,707.47	20.51
11 44 16 00-0038	EA	6,200 Watts, 208/240 Volt, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef WATERLESS STEAMER TCH)	12,229.04	20.51
11 44 16 00-0039	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (Amana MRX2)	9,239.72	20.51
11 44 16 00-0040	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX1 BLACK)	8,870.93	20.51
11 44 16 00-0041	EA	2,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX1 RED)	8,870.93	20.51
11 44 16 00-0042	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Black (Amana MRX2 BLACK)	9,345.09	20.51
11 44 16 00-0043	EA	1,000 To 3,000 Watts, 208/240 Volt, 0.61 CF, High-Speed Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven, Red (Amana MRX2 RED)	9,345.09	20.51
11 44 16 00-0044	EA	4,000 To 4,200 Watts, 208/240 Volt, 0.54 CF, Rapid Cook Type, Touchscreen Controls, Powder Coated, Countertop Oven (TurboChef I1-9500-1)	10,155.38	20.51
11 44 16 00-0045	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	13,607.27	20.51
11 44 16 00-0046	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Digital Controls, Stainless Steel Countertop Oven (TurboChef i3)	13,607.27	20.51
11 44 16 00-0047	EA	8,300 To 9,600 Watts, 208/240 Volt, 1.14 CF, 1 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	14,176.26	20.51
11 44 16 00-0048	EA	8,600 To 9,900 Watts, 208/240 Volt, 1.14 CF, 3 Phase, Rapid Cook Type, Touchscreen Controls, Stainless Steel Countertop Oven (TurboChef i3 Touch)	14,176.26	20.51
11 44 16 00-0049	EA	10,720/12,480 Watts, 208/240 Volt, 1.18 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Double Batch Ventless Countertop Oven (TurboChef HHD-9500-1)	12,754.83	20.51
11 44 16 00-0050	EA	5,616 Watts, 208/240 Volt, 0.99 CF, Rapid Cook Type, Touchscreen Controls, Stainless Steel Single Batch Ventless Countertop Oven (TurboChef HHS-9500-1)	9,587.44	20.51

11 44 16 00-0051 Combination Ovens *(11 44 16)*

Note: Convection, steam and combination modes.

11 44 16 00-0052	EA	35.4" x 34" x 26.6" Half Size Electric Boilerless Combination Oven	15,605.04	161.38
11 44 16 00-0053	EA	35.4" x 45" x 36.8" Full Size Electric Boilerless Combination Oven	25,558.53	184.44
11 44 16 00-0054	EA	35.4" x 34" x 36.8 Half Size Electric Boilerless Combination Oven	21,131.02	184.44
11 44 16 00-0055	EA	35.4" x 45" x 70.4" Full Size Electric Boilerless Combination Oven	50,885.14	230.55
11 44 16 00-0056	EA	35.4" x 34" x 70.4 Half Size Electric Boilerless Combination Oven	38,660.40	230.55

11 44 16 00-0057 Countertop Electric Convection Type Ovens *(11 44 16)*

11 44 16 00-0058	EA	1,440 Watts, 120 Volt, 0.8 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Quarter Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-14)	295.50	10.25
11 44 16 00-0059	EA	1,600 Watts, 120 Volt, 1.5 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Thermostatic Control, Stainless Steel Countertop Electric Convection Oven (Avantco CO-16)	482.38	10.25
11 44 16 00-0060	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Half Size, Stainless Steel Countertop Electric Convection Oven (Avantco CO-28)	569.41	10.25
11 44 16 00-0061	EA	2,800 Watts, 208/240 Volt, 2.3 CF, 150 To 550 Degrees Fahrenheit Temperature Range, 2.3 CF, One Glass Door, Half Size, Stainless Steel Countertop Electric Convection Oven With Steam Injection (Avantco CO-32)	734.41	10.25
11 44 16 00-0062	EA	3,500 To 4,600 Watts, 208-240 Volt, 4.4 CF, 550 Degrees Fahrenheit, Two Glass Doors, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Avantco CO-38)	1,339.41	10.25
11 44 16 00-0063	EA	3,500 To 4,600 Watts, 208 To 240 Volt, 4.4 CF, 150 To 550 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Full Size, Stainless Steel Countertop Electric Cooky Type Convection Oven With Steam Injection (Avantco CO-46)	1,559.41	10.25
11 44 16 00-0064	EA	1,440 Watts, 120 Volt, 0.8 CF, 500 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Quarter Size, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3Q)	262.50	10.25
11 44 16 00-0065	EA	1,600 Watts, 120 Volt, 1.5 CF, 500 Degrees Fahrenheit, One Glass Door, Half Size, Dial Control, Stainless Steel Countertop Electric Convection Oven (Galaxy COE3H)	438.50	10.25
11 44 16 00-0066	EA	1,700 Watts, 120 Volt, 27-15/16" Length x 23-5/8" Width x 24" Height, 200 To 500 Degrees Fahrenheit Temperature Range, One Glass Door, Half Size, Stainless Steel 4 Pan Electric Countertop Convection Oven (Global Solutions GS1110-17)	1,261.37	10.25
11 44 16 00-0067	EA	1,400 Watts, 120 Volt, 1.19 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Thermostatic Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40703)	1,147.07	10.25
11 44 16 00-0068	EA	2,400 Watts, 230 Volt, 1.9 CF, 150 - 570 Degrees Fahrenheit Temperature Range, One Glass Door, Dial Control, Stainless Steel Half Size Electric Countertop Convection Oven (Vollrath 40701)	1,561.39	10.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0069	EA	5,600 Watts, 230 Volt, 4.27 CF, 150 - 570 Degrees Fahrenheit Temperature Range, 1 Glass Door, Dial Control, Stainless Steel Full Size Electric Countertop Convection Oven (Vollrath 40702)	2,535.22	10.25

11 44 16 00-0070 Electric Convection Type Ovens *(11 44 16)*

11 44 16 00-0071	EA	11 kW, 240 Volt, Two Glass Doors, 41-1/2" x 38-1/8" x 54-1/8", Single Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC-100)	2,667.32	41.02
11 44 16 00-0072	EA	22 kW, 240 Volt, 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200DK)	5,290.80	82.03
11 44 16 00-0073	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200CK)	5,290.80	82.03
11 44 16 00-0074	EA	22 kW, 240 Volt, 3 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200EK)	5,290.80	82.03
11 44 16 00-0075	EA	22 kW, 208 Volt , 1 Phase, Four Glass Doors, 41-1/2" x 38" x 63-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Cooking Performance Group FEC200BK)	5,290.80	82.03
11 44 16 00-0076	EA	24 kW, 208 Volt, 3 Phase, Four Glass Doors, 40" x 40-1/8" x 68-13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/3)	8,699.25	82.03
11 44 16 00-0077	EA	12 kW, 208 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/3)	4,349.62	41.02
11 44 16 00-0078	EA	12 kW, 240 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/1)	4,349.62	41.02
11 44 16 00-0079	EA	12.5 kW, 208 Volt, 3 Phase, Two Glass Doors, 41-1/8" x 40-1/4" x 54-3/4", Single Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC4ED-11D1 208/3)	4,771.32	41.02
11 44 16 00-0080	EA	12 kW, 208 Volt, 1 Phase, Two Glass Doors, 40" x 40-1/8" x 54", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-11D1 208/1)	4,349.62	41.02
11 44 16 00-0081	EA	12 kW, 240 Volt, 3 Phase, Two Glass Doors, 40" x 40-1/8" x 24", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Vulcan VC5ED-12D1 240/3)	4,349.62	41.02
11 44 16 00-0082	EA	25 kW, 208 Volt, 3 Phase, Four Glass Doors, 41-1/8" x 40" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC44ED-208/3)	9,542.65	82.03
11 44 16 00-0083	EA	11 kW, 220/240 Volt, 1 Phase, Two Glass Doors, 36-7/8" x 38-1/4" x 57", Single Deck, Stainless Steel Full Size Electric Convection Oven With Legs (Blodgett SHO-100-E)	4,062.87	41.02
11 44 16 00-0084	EA	22 kW, 208 Volt, 3 Phase, Four Glass Doors, 36-7/8" x 38-1/4" x 70", Double Deck, Stainless Steel Full Size Electric Convection Oven (Blodgett SHO-100-E)	8,125.74	82.03
11 44 16 00-0085	EA	24 kW, 208 Volt, 1 Phase, Four Glass Doors, 40" x 40-1/8" x 68 13/16", Double Deck, Stainless Steel Full Size Electric Convection Oven (Vulcan VC55ED-208/1)	8,699.25	82.03
11 44 16 00-0086	EA	21 kW, 208 Volt, 1 Phase, Four Glass Doors, 46" x 40" x 74-1/2", Double Deck, Stainless Steel Full Size Electric Convection Oven (Bakers Pride BPCV-E2 208/1)	10,992.00	82.03

11 44 16 00-0087 Natural Gas Convection Type Ovens *(11 44 16)*

11 44 16 00-0088	EA	54,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC100N)	2,804.90	41.02
11 44 16 00-0089	EA	108,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Legs (Cooking Performance Group FGC200N)	5,563.61	82.03
11 44 16 00-0090	EA	100,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Stainless Steel Double Deck Full Size Natural Gas Convection Oven With Solid State Controls (Vulcan VC44GD-NAT)	9,556.12	82.03
11 44 16 00-0091	EA	100,000 BTU, 150 To 550 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Vulcan VC55GD)	9,153.44	82.03
11 44 16 00-0092	EA	100,000 BTU, 500 Degrees Fahrenheit, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	8,549.41	82.03
11 44 16 00-0093	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven with Solid State Controls And Legs (Vulcan VC4GD-11D150K)	4,778.06	41.02
11 44 16 00-0094	EA	120,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G)	4,860.10	82.03
11 44 16 00-0095	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Analog Controls (Garland MCO-GS-20S)	13,333.08	82.03
11 44 16 00-0096	EA	50,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven (Blodgett SHO-100-G)	4,274.70	41.02
11 44 16 00-0097	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Bakery Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-200-G-ES)	11,699.83	82.03
11 44 16 00-0098	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Digital Control, Stainless Steel Double Deck Standard Depth Full Size Natural Gas Convection Oven With Digital Controls (Garland MCO-GS-20)	17,361.12	82.03
11 44 16 00-0099	EA	120,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Garland MCO-GS-20-ESS)	13,333.08	82.03
11 44 16 00-0100	EA	100,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Standard Depth Natural Gas Convection Oven With Draft Diverter (Blodgett ZEPHAIRE-100-G)	10,929.99	82.03
11 44 16 00-0101	EA	90,000 BTU, 200 - 500 Degrees Fahrenheit Temperature Range, Four Glass Doors, Dial Control, Stainless Steel Double Deck Full Size Natural Gas Convection Oven (Blodgett BDO-100-G-ES)	9,733.78	82.03
11 44 16 00-0102	EA	50,000 BTU, 150 - 500 Degrees Fahrenheit Temperature Range, Two Glass Doors, Dial Control, Stainless Steel Single Deck Full Size Natural Gas Convection Oven With Legs (Vulcan VC5GDN)	4,576.71	41.02

11 44 16 00-0103 Broiler, Without Oven *(11 44 16)*

11 44 16 00-0104	EA	69" x 26" x 39" Broiler Without Oven	12,547.61	147.55
11 44 16 00-0105	EA	Conveyor Broiler	11,085.58	171.24

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 16 00-0106		**Oven Stands** *(11 44 16)*		
11 44 16 00-0107	EA	Stationary Oven Stand (Rational 60.30.334 US III UltraVent® Stationary Oven Stand)	1,234.59	
11 44 16 00-0108		**Triple Conveyor Oven** *(11 44 16)*		
11 44 16 00-0109	EA	30 kW, 208 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3)	36,972.06	164.07
		Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0110	EA	30 kW, 240 Volt, Three Door, Single Belt, Triple Conveyor, FastBake Stainless Steel Impingement Cook Type Oven Package (Lincoln 1180-3/1180-FB3)	36,972.06	164.07
		Note: 39" Length x 56" Width x 62" Height, 250 To 575 Degrees Fahrenheit Temperature Range		
11 44 16 00-0111	EA	22 kW, 208 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	71,887.77	164.07
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0112	EA	22 kW, 220 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	68,272.23	164.07
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0113	EA	22 kW, 240 Volt, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	68,272.23	164.07
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0114	EA	330,000 BTU, Natural Gas, Three Door, Triple Conveyor, Low Profile FastBake Stainless Steel, Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	71,887.77	164.07
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 16 00-0115	EA	330,000 BTU, Liquid Propane, Three Door, Triple Conveyor, Stainless Steel Low Profile FastBake Impingement Cook Type Oven Package (Lincoln 1600-3/1600-FB3)	71,887.77	164.07
		Note: 60-1/2" Length x 80" Width x 66-3/8" Height, 250 To 600 Degrees Fahrenheit Temperature Range		
11 44 19		**Commercial Cooking Equipment** *(11 44)*		
11 44 19 00-0001		**Drop-In Electric Griddle** *(11 44 19)*		
11 44 19 00-0002	EA	24" Wide x 24" Deep, Drop-In Electric Griddle	2,791.82	126.80
11 44 19 00-0003	EA	36" Wide x 24" Deep, Drop-In Electric Griddle	3,941.82	126.80
11 44 19 00-0004	EA	48" Wide x 24" Deep, Drop-In Electric Griddle	4,507.93	138.33
11 44 19 00-0005	EA	60" Wide x 24" Deep, Drop-In Electric Griddle	5,379.56	138.33
11 44 19 00-0006	EA	72" Wide x 24" Deep, Drop-In Electric Griddle	6,880.28	149.85
11 44 19 00-0007		**Countertop Griddle** *(11 44 19)*		
11 44 19 00-0008	EA	16", 120 Voltage, 1750 Watt, Electric Countertop Griddle (Avantco EG16N)	513.75	119.88
11 44 19 00-0009	EA	24", 208/240 Voltage, 2675 To 3560 Watt, Electric Countertop Griddle (Avantco EG24N)	656.76	119.88
11 44 19 00-0010	EA	30", 208/240 Voltage, 3375 To 4500 Watt, Electric Countertop Griddle (Avantco EG30N)	740.18	119.88
11 44 19 00-0011	EA	36", 208/240 Voltage, 7488 To 10080 Watt, Electric Countertop Griddle (Avantco EG36N)	953.51	119.88
11 44 19 00-0012	EA	24", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40716)	1,042.30	119.88
11 44 19 00-0013	EA	36", 220 Voltage, Thermostatic Electric Griddle (Vollrath 40717)	1,360.85	119.88
11 44 19 00-0014		**Panini Sandwich Grill** *(11 44 19)*		
11 44 19 00-0015	EA	3,500 Watts, 120 Volt, Double Commercial Panini Sandwich Grill With Smooth Plates (Avantco P85S)	436.08	82.03
11 44 19 00-0016	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Plates (Avantco P78)	346.89	82.03
11 44 19 00-0017	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Smooth Plates (Avantco P70S)	346.89	82.03
11 44 19 00-0018	EA	1,750 Watts, 120 Volt, Commercial Panini Sandwich Grill With Grooved Top and Smooth Bottom Plates (Avantco P75SG)	346.89	82.03
11 44 19 00-0019	EA	2,392 Watts, 208 Volt, Panini Perfetto Grooved Top And Bottom Panini Sandwich Grill (Waring WPG150B)	653.57	82.03
11 44 19 00-0020		**Electric Countertop Fryer, With Submerger** *(11 44 19)*		
11 44 19 00-0021	EA	30 LB Capacity, 208-240 Volt, Two Basket, Countertop Deep Fryer (Avantco F202))	640.36	82.03
11 44 19 00-0022	EA	30 LB Capacity, 208-240 Volt, Four Basket, Commercial Countertop Deep Fryer (Vollrath 40710)	1,339.03	82.03
11 44 19 00-0023	EA	30 LB Capacity, 240 Volt, Two Basket, Countertop Electric Deep Fryer (Garland E24-31F)	4,830.27	82.03
11 44 19 00-0024		**Electric Floor Fryer, With Submerger** *(11 44 19)*		
11 44 19 00-0025	EA	50 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	4,398.45	184.44
11 44 19 00-0026	EA	50 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	4,612.02	184.44
11 44 19 00-0027	EA	85 LB Capacity, Single Basket Lift, 208 Volt, Electric Fryer	14,547.01	239.77
11 44 19 00-0028	EA	85 LB Capacity, Single Basket Lift, 480 Volt, Electric Fryer	14,897.48	239.77
11 44 19 00-0029		**Kettles, Steam Jacketed** *(11 44 19)*		
11 44 19 00-0030	EA	5 Gallon Kettle, With Stand	6,972.07	75.55
11 44 19 00-0031	EA	20 Gallon Kettle With Steam Jacket	11,447.09	100.73
11 44 19 00-0032	EA	40 Gallon Kettle With Steam Jacket	11,834.69	110.80
11 44 19 00-0033	EA	60 Gallon Kettle With Steam Jacket	14,325.71	120.87
11 44 19 00-0034		**Steamers, Electric** *(11 44 19)*		
11 44 19 00-0035		**Cooking Equipment/ Steamers** *(11 44 19 00-0034)*		
11 44 19 00-0036	EA	3 Pan, Electric Countertop Convection Steamer	6,007.74	193.66

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0037	EA	5 Pan, Electric Countertop Convection Steamer	7,886.27	202.87
11 44 19 00-0038	EA	3 Pan, Electric Countertop Boilerless/Connectionless Steamer	5,565.98	193.66
11 44 19 00-0039	EA	5 Pan, Electric Countertop Boilerless/Connectionless Steamer	8,077.01	202.87

11 44 19 00-0040 Braising Pans *(11 44 19)*

11 44 19 00-0041	EA	24" x 24", 240 Volt, Tilting Braising Pan	14,920.52	175.58
11 44 19 00-0042	EA	24" x 31", 240 Volt, Tilting Braising Pan	15,746.21	184.64
11 44 19 00-0043	EA	24" x 41", 240 Volt, Tilting Braising Pan	16,770.89	196.62
11 44 19 00-0044	EA	24" x 24", 62,000 BTU/Hour, Tilting Braising Pan	19,450.66	228.96
11 44 19 00-0045	EA	24" x 31", 90,000 BTU/Hour, Tilting Braising Pan	20,114.35	236.01
11 44 19 00-0046	EA	24" x 41", 120,000 BTU/Hour, Tilting Braising Pan	20,900.55	242.26

11 44 19 00-0047 Toasters *(11 44 19)*

11 44 19 00-0048	EA	Bun Toaster 3.2 KW	2,950.60	36.21
11 44 19 00-0049	EA	Bun Toaster 4.3 KW	3,220.35	39.47
11 44 19 00-0050	EA	Pop-Up Toaster, 2 Slot	476.09	99.87
11 44 19 00-0051	EA	Conveyor Toaster	811.08	149.85

11 44 19 00-0052 Microwave Ovens *(11 44 19)*

11 44 19 00-0053	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Dial Controls (Galaxy MW1000PD)	171.51	10.25
11 44 19 00-0054	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Office Series Microwave With Push Button Controls (Galaxy MW1000PB)	188.29	10.25
11 44 19 00-0055	EA	120 Volt, 1,000 Watt, 20" Length x 18" Width x 12" Height, Stainless Steel Commercial Microwave With Push Button Controls (Solwave MW1000SS)	244.22	10.25
11 44 19 00-0056	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13-1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112D)	311.33	10.25
11 44 19 00-0057	EA	120 Volt, 1,000 Watt, 2 CF, 22" Length x 18" Width x 13 1/2" Height, Stackable Commercial Microwave With Dial Controls (Solwave MW112T)	389.63	10.25
11 44 19 00-0058	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwave With Dial Controls (Solwave RMS10DS)	244.22	10.25
11 44 19 00-0059	EA	120 Volt, 1,000 Watt, 16-1/2" Length x 20" Width x 12-1/4" Height, Stainless Steel Commercial Microwaves With Push Button Controls (Amana RMS10TS)	285.05	10.25
11 44 19 00-0060	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-3/4" Height, Medium Volume, Stainless Steel Commercial Microwave (Amana RCS10DSE)	503.74	10.25
11 44 19 00-0061	EA	120 Volt, 1,000 Watt, 19" Length x 22" Width x 13-7/8" Height, Stackable, Commercial Microwave With Push Button Controls (Amana RCS10TS)	614.48	10.25
11 44 19 00-0062	EA	120 Volt, 1,000 Watt, 21-5/8" Length x 16-1/2" Width x 13-1/2" Height, Stainless Steel, Heavy Duty Commercial Microwave With Push Button Controls (Amana HDC12A2)	1,288.99	10.25
11 44 19 00-0063	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Manual Controls (Vollrath 40830)	355.86	10.25
11 44 19 00-0064	EA	120 Volt, 1,000 Watt, 18-1/8" Length x 20-1/2" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Digital Controls (Vollrath 40819)	484.78	10.25
11 44 19 00-0065	EA	120 Volt, 1,000 Watt, 17" Length x 20" Width x 12-1/4" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Waring WMO90)	372.87	10.25
11 44 19 00-0066	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel, Commercial Microwave With Push Button Controls (Panasonic NE-1054F)	328.12	10.25
11 44 19 00-0067	EA	120 Volt, 1,000 Watt, 16-3/8" Length x 20-1/8" Width x 12" Height, Stainless Steel Microwave With Programmable Memory Pads (Panasonic NE-1064F)	634.62	10.25
11 44 19 00-0068	EA	120 Volt, 1,000 Watt, 16-9/16" Length x 20-1/8" Width x 13" Height, Stainless Steel Commercial Microwave With Dial Timer (Panasonic NE-1025)	294.56	10.25
11 44 19 00-0069	EA	120 Volt, 1,200 Watt, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Stainless Steel Commercial Microwave With Programmable Menu And Auto Cool Down (Solwave MW1200T)	612.24	10.25
11 44 19 00-0070	EA	120 Volt, 1,200 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, See-through Door, USB Port, Commercial Heavy Duty Stainless Steel Microwave (Solwave MWHD12)	679.36	10.25
11 44 19 00-0071	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 15 Integrated Power Levels, See-through Door, Stainless Steel, Commercial, Medium Duty, Microwave With 90 Programmable Menu Pads (Panasonic NE-12523)	1,139.10	10.25
11 44 19 00-0072	EA	120 Volt, 1,200 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, Programmable, 15 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Panasonic NE-12521)	1,057.44	10.25
11 44 19 00-0073	EA	120 Volt, 2,000 Watt, 21" Length x 21-3/4" Width x 14-3/8" Height, 4 Cooking Stages, 5 Power Levels, Stainless Steel, Commercial, Medium Duty, Microwave With Push Button Controls (Amana RFS12TS)	1,244.25	10.25
11 44 19 00-0074	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 3-Stage Cooking, See-through Door, Stainless Steel, Commerical Microwave With LCD Display (Panasonic NE-17521)	1,165.95	10.25
11 44 19 00-0075	EA	208/230-240 Volt, 1,700 Watt, 20" Length x 16-5/8" Width x 13" Height, LCD Display With Digital Countdown, Stainless Steel, Commercial Microwave With 90 Programmable Memory Pads (Panasonic NE-17523)	1,309.13	10.25
11 44 19 00-0076	EA	208/230-240 Volt, 2,100 Watt, 20-3/4" Length x 25-9/16" Width x 18-9/16" Height, Sonic Steamer, Stainless Steel, Commercial Microwave With 8 Programmable Memory Pads (Panasonic NE-2180)	3,528.97	10.25
11 44 19 00-0077	EA	208/230-240 Volt, 3,200 Watt, 20-3/4" Length x 25-9/16" Width x 18-5/8" Height, Sonic Steamer, See-though Door, Stainless Steel, Commercial Microwave With 3-stage Cook (Panasonic NE-3280)	4,676.64	10.25
11 44 19 00-0078	EA	208/230 Volt, 1,800 Watt, 20-1/4" Length x 21-3/4" Width x 14-1/4" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Amana RFS18TS)	1,460.14	10.25
11 44 19 00-0079	EA	208/230 Volt, 2,200 Watt, 23-1/2" Length x 25-5/8" Width x 18-5/8" Height, Stainless Steel, Heavy Duty, 2 Pan Programmable Microwave (Amana AMSO22)	4,550.80	10.25
11 44 19 00-0080	EA	208/230 Volt, 2,400 Watt, 19-3/16" Length x 13-5/8" Width x 17-5/8" Height, 11 Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana AOC24)	2,809.15	10.25
11 44 19 00-0081	EA	208/240 Volt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, Space Saver, USB Port, Stainless Steel, Commercial, Heavy Duty Microwave (Solwave MWHD18)	757.66	10.25
11 44 19 00-0082	EA	208/240 Volt, 2,100 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Stackable, Commercial Microwave With Push Button Controls (Solwave MW2100T)	802.40	10.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 44 19 00-0083	EA	208/240 Volt, 2,100 Watt, 22-1/4" Length x 16-1/2" Width x 13-1/2" Height, 15 Power Levels, USB Port, Space Saver, Stainless Steel, Heavy Duty, Commercial Microwave With Push Button Controls (Solwave MWHD21)	858.33	10.25
11 44 19 00-0084	EA	208/240 Volt, 1,700 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, See-through Door, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC17S2)	2,064.17	10.25
11 44 19 00-0085	EA	208/240 Volt, 1,800 Watt, 1.2 CF, 20-5/8" Length x 22-5/8" Width x 14-1/2" Height, Large, Stainless Steel, Commerical Microwave With Push Button Controls (Solwave MW1800T)	690.55	10.25
11 44 19 00-0086	EA	208/240 Volt, 1,800 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana HDC182)	1,510.47	10.25
11 44 19 00-0087	EA	208/240 Volt, 1,800 Watt, 31-5/8" Length x 16-1/2" Width x 13-1/3" Height, Stainless Steel Commercial, Heavy Duty Microwave With Push Button Controls, Canadian Use Only (Amana HDC1815)	1,520.54	10.25
11 44 19 00-0088	EA	208/240 Volt, 1,800 Watt, 20-3/4" Length x 22-3/5" Width x 14-1/2" Height, Stainless Steel, Commercial, Medium Duty Microwave With Push Button Controls (Waring WMO120)	1,418.75	10.25
11 44 19 00-0089	EA	208/240 Volt, 2,100 Watt, 21-5/8" Length x 15-1/2" Width x 13-1/2" Height, 100 Programmable Menu Items, 11 Integrated Power Levels, Stainless Steel, Commercial, Heavy Duty Microwave (Amana HDC212)	1,580.94	10.25
11 44 19 00-0090	EA	208/240 Volt, 2,100 Watt, 20" Length x 16-5/8" Width x 13-3/16" Height, 5 Cooking Stages, Half-size Pans, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Panasonic NE-21521)	1,429.93	10.25
11 44 19 00-0091	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC22S2)	2,577.61	10.25
11 44 19 00-0092	EA	208/240 Volt, 2,200 Watt, 25-1/2" Length x 19-1/4" Width x 18-1/8" Height, Stainless Steel, Commercial, Heavy Duty Microwave With Push Button Controls (Amana RC30S2)	3,382.99	10.25

11 44 19 00-0093 Ceramic Broiler On Storage Base With Doors *(11 44 19)*

11 44 19 00-0094	EA	Standard Finish Ceramic Boiler On Storage Base With Doors	12,294.70	143.95
11 44 19 00-0095	EA	Stainless Steel Front Ceramic Boiler On Storage Base With Doors	12,294.70	143.95
11 44 19 00-0096	EA	Stainless Steel Front And Sides Ceramic Boiler On Storage Base With Doors	15,279.75	179.71

11 44 19 00-0097 Gas Countertop Hot Plate *(11 44 19)*

11 44 19 00-0098	EA	2 Burners Gas Countertop Hot Plate	1,567.42	18.33

11 46 Food Dispensing Equipment *(11 40)*

11 46 13 Bar Equipment *(11 46)*

11 46 13 00-0001 Soft Serve Machines *(11 46 13)*

11 46 13 00-0002	EA	Soft Serve Machines, Medium	9,599.53	109.00
11 46 13 00-0003	EA	Soft Serve Machines, Large	16,175.79	133.16

11 46 13 00-0004 Salad Bars *(11 46 13)*

11 46 13 00-0005	EA	96" Refrigerated Salad Bar With Light 54" Height	10,309.50	390.33
11 46 13 00-0006	EA	96" Refrigerated Salad Bar Without Light 54" Height	9,458.71	390.33
11 46 13 00-0007	EA	96" Iced Salad Bar Without Light 54" Height	6,646.67	214.45
11 46 13 00-0008	EA	79" Iced Salad Bar Without Light 54" Height	5,257.09	176.18
11 46 13 00-0009	EA	79" Refrigerated Salad Bar Without Light 54" Height	7,985.59	258.47
11 46 13 00-0010	EA	114" Iced Salad Bar 34" Height	8,792.08	228.96
11 46 13 00-0011	EA	Salad Bar Tray Fixed	1,212.27	38.78
11 46 13 00-0012	EA	Salad Bar Tray Hinged	1,289.40	38.78

11 46 16 Service Line Equipment *(11 46)*

11 46 16 00-0001 Food Warmer Holding Station *(11 46 16)*

11 46 16 00-0002	EA	Food Warmer Station And Heat Lamp	1,090.24	13.37

11 46 16 00-0003 Reach-In Food Warmers *(11 46 16)*

11 46 16 00-0004	EA	One Drawer, 16 Roll Capacity Food Warmer	2,346.04	28.78
11 46 16 00-0005	EA	Three Drawer, 36 Roll Capacity Food Warmer	5,368.74	65.93

11 46 16 00-0006 Countertop Food Warmer *(11 46 16)*

11 46 16 00-0007	EA	12" x 20", 1500 Watt, 120 Voltage, Full Size Electric Countertop Food Cooker / Warmer (Avantco W50CKR)	131.05	23.10
11 46 16 00-0008	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer (Avantco W50)	115.52	23.10
11 46 16 00-0009	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Topping Station With 1 Condiment Pump And (1) 7 Quart Inset With Lid And Ladle (Avantco WK12007PL)	343.21	23.10
11 46 16 00-0010	EA	12" x 20", 1200 Watt, 120 Voltage, Full Size Electric Countertop Food Warmer / Soup Station With 3 Insets, 3 Covers, And 3 (3 Ounce) Ladles (Avantco WK12004X3)	238.65	23.10

11 46 16 00-0011 Hot Cabinets With Top Wells Electric *(11 46 16)*

11 46 16 00-0012	EA	2 Wells, 2 Compartments Hot Cabinet With Top Wells, Electric	12,576.78	143.95
11 46 16 00-0013	EA	3 Wells, 3 Compartments Hot Cabinet With Top Wells, Electric	17,967.94	206.30

11 46 16 00-0014 Portable Hot Food Units *(11 46 16)*

11 46 16 00-0015	EA	46" Wide x 28" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 37030)	4,336.80
11 46 16 00-0016	EA	60" Wide x 28" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 37040)	4,966.42
11 46 16 00-0017	EA	74" Wide x 28" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 37050)	5,613.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0018		**Stationary Hot Food Units** *(11 46 16)*		
11 46 16 00-0019	EA	46" Wide x 29-1/2" Deep x 34" Height, Three Well, Stainless Steel Hot Food Station (Vollrath Model 38203)	1,316.08	29.32
11 46 16 00-0020	EA	61-1/4" Wide x 29-1/2" Deep x 34" Height, Four Well, Stainless Steel Hot Food Station (Vollrath Model 38204)	1,765.66	33.75
11 46 16 00-0021	EA	76" Wide x 29-1/2" Deep x 34" Height, Five Well, Stainless Steel Hot Food Station (Vollrath Model 38205)	2,198.35	43.22
11 46 16 00-0022		**Serving Counters** *(11 46 16)*		
11 46 16 00-0023	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Straight Section	108.83	37.62
11 46 16 00-0024	LF	11" Deep, Tray Slide With 3 Raised Reinforced Ribs And Backing Plate, 316 Stainless Steel Solid Surface, Curved Section	139.34	57.63
11 46 16 00-0025		**Drop-In Equipment** *(11 46 16)*		
11 46 16 00-0026	EA	Hot Food Well, Rectangular	459.42	119.88
11 46 16 00-0027	EA	Hot Food Well, Circular	425.10	119.88
11 46 16 00-0028	EA	Refrigerated Well, 2 Compartment	1,440.60	119.88
11 46 16 00-0029	EA	Refrigerated Well, 3 Compartment	1,635.36	133.16
11 46 16 00-0030	EA	Refrigerated Well, 4 Compartment	1,857.35	149.85
11 46 16 00-0031	EA	Frost Cold Plate	1,656.40	133.16
11 46 16 00-0032		**Beverage Dispensing** *(11 46 16)*		
11 46 16 00-0033	EA	Coffee Urn, Twin 3 Gallon	2,670.03	181.00
11 46 16 00-0034	EA	Coffee Urn, Twin 6 Gallon	3,801.53	253.37
11 46 16 00-0035	EA	Coffee Brewer, 5 Burner	1,134.18	181.00
11 46 16 00-0036	EA	Hot Chocolate Dispenser	1,096.04	149.09
11 46 16 00-0037	EA	Iced Tea Brewer	1,585.11	149.09
11 46 16 00-0038	EA	Juice Dispenser (Concentrate)	1,218.74	266.14
11 46 16 00-0039	EA	Jet Spray Dispenser	1,691.14	266.42
11 46 16 00-0040	EA	Milk Dispenser, Bulk, 2 Flavor	1,394.53	149.85
11 46 16 00-0041	EA	Milk Dispenser, Bulk, 3 Flavor	1,883.60	149.85
11 46 16 00-0042		**Dish Dispensers** *(11 46 16)*		
11 46 16 00-0043	EA	Heated Plate Lift; Adjustable Plate Storage And Transport (Adcraft ADC-LR-2)	1,248.09	23.10
11 46 16 00-0044	EA	12" Diameter, Drop-in, Dish Dispenser	549.38	29.28
11 46 16 00-0045	EA	Drop-in, Cup And Glass Dispenser	950.89	91.05
11 46 16 00-0046	EA	Drop-in, Disposable Cup Dispenser	341.32	20.51
11 46 16 00-0047		**Tray And Silver Dispensers** *(11 46 16)*		
11 46 16 00-0048	EA	Tray And Silver Dispensers Mobile	2,110.55	20.51
11 46 16 00-0049		**Condiment Dispensers** *(11 46 16)*		
11 46 16 00-0050	EA	Butter Pat Dispenser	131.91	25.67
11 46 16 00-0051	EA	Bread Dispenser, Counter Top	356.71	25.67
11 46 16 00-0052		**Sandwich Rack Warmer** *(11 46 16)*		
11 46 16 00-0053	EA	18 Compartment, 2 Tier Sandwich Rack Warmer	2,660.31	106.69
11 46 16 00-0054		**Mobile Bread Counter** *(11 46 16)*		
11 46 16 00-0055	EA	Mobile Bread And Roll Counter	6,105.24	239.86
11 46 16 00-0056		**Open Service Stand** *(11 46 16)*		
11 46 16 00-0057	EA	6' Open Service Stand	2,359.42	90.15
11 46 16 00-0058	LF	Each Additional Foot Over 6 Foot Add	322.76	12.19
11 46 16 00-0059		**Mobile Serving Stand Unit** *(11 46 16)*		
11 46 16 00-0060	EA	36" Mobile Serving Stand Unit	2,062.64	86.22
11 46 16 00-0061	EA	96" Mobile Serving Stand Unit	3,387.05	129.24
11 46 16 00-0062		**Reach-In Heated Cabinets** *(11 46 16)*		
11 46 16 00-0063	EA	Heated Cabinet, Reach-in, 1 Compartment	4,168.47	153.73
11 46 16 00-0064	EA	Heated Cabinet, Reach-in, 2 Compartment	5,998.16	193.38
11 46 16 00-0065	EA	Heated Cabinet, 1 Compartment, Pass-Through Roll-In	4,361.53	153.73
11 46 16 00-0066	EA	Heated Cabinet, Pass-Through, Roll-In 2 Compartment	6,278.73	193.38
11 46 16 00-0067		**Mobile Heated Cabinets** *(11 46 16)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0068	EA	Mobile, Heated Cabinet	4,650.03	51.26

11 46 16 00-0069 Smoothie Machine *(11 46 16)*

11 46 16 00-0070	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And Two 64 Ounce Polycarbonate Containers (Avamix BX2000T2J)	384.15	23.10
11 46 16 00-0071	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control And One 64 Ounce Polycarbonate Container (Avamix BX2000T)	335.34	23.10
11 46 16 00-0072	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Toggle Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2000V2J)	409.18	23.10
11 46 16 00-0073	EA	Smoothie Machines 3-1/2 HP Commercial Blender With Touchpad Control, Adjustable Speed, And Two 64 Ounce Polycarbonate Containers (Avamix BX2100E2J)	421.70	23.10
11 46 16 00-0074	EA	Smoothie Machines 2 HP Commercial Blender With Toggle Control And 64 Ounce Polycarbonate Container (Avamix BL2T64)	217.38	23.10

11 46 16 00-0075 Refrigerated Buffet Display Table *(11 46 16)*

11 46 16 00-0076	EA	35" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-36-N)	2,168.45	23.10
11 46 16 00-0077	EA	47" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-48-N)	2,869.39	23.10
11 46 16 00-0078	EA	59" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-60-N)	3,313.43	23.10
11 46 16 00-0079	EA	71" Stainless Steel Refrigerated Buffet Display Table, Cooling Serving Stations (Turbo Air JBT-72-N)	3,878.68	23.10

11 46 16 00-0080 Refrigerated Bakery Display Case *(11 46 16)*

11 46 16 00-0081	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC36HCW)	2,899.67	20.51
11 46 16 00-0082	EA	26-1/2" Length x 47-7/8" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC48HCB)	3,328.66	20.51
11 46 16 00-0083	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 48" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC48HCW)	3,334.48	23.46
11 46 16 00-0084	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC60HCB)	3,620.47	23.46
11 46 16 00-0085	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Avantco BC60HCW)	3,620.47	23.46
11 46 16 00-0086	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco BC72HCB)	4,647.46	23.46
11 46 16 00-0087	EA	26-1/2" Length x 72-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Bakery Display Case, White (Avantco 193BC72HCW)	4,647.46	23.46
11 46 16 00-0088	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3646NW)	5,853.26	27.31
11 46 16 00-0089	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP3646FN)	7,448.28	27.31
11 46 16 00-0090	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 1 Shelf, Two Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3646NN)	5,853.26	27.31
11 46 16 00-0091	EA	27-1/2" Length x 35-3/8" Width x 44-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3646FW)	7,448.28	27.31
11 46 16 00-0092	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP3654NW)	6,201.91	27.31
11 46 16 00-0093	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654F)	6,201.91	27.31
11 46 16 00-0094	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP3654NN)	6,201.91	27.31
11 46 16 00-0095	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4846NN)	6,593.34	27.31
11 46 16 00-0096	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4846FW)	8,391.96	27.31
11 46 16 00-0097	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4846NW)	6,593.34	27.31
11 46 16 00-0098	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4846FD)	7,901.43	27.31
11 46 16 00-0099	EA	27-1/2" Length x 47-1/4" Width x 44-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4846FN)	8,391.96	27.31
11 46 16 00-0100	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP4854FW)	8,891.51	27.31
11 46 16 00-0101	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP4854NW)	6,985.68	27.31
11 46 16 00-0102	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP4854FD)	8,371.70	27.31
11 46 16 00-0103	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Black Refrigerated Bakery Display Case With Lift-Up Front Glass (Turbo Air TBP4854FN)	8,891.51	27.31
11 46 16 00-0104	EA	27-1/2" Length x 47-1/4" Width x 52-3/8" Height, 47" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP4854NN)	6,985.68	27.31
11 46 16 00-0105	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6046FW)	9,200.95	27.31
11 46 16 00-0106	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Drop-In Refrigerated Bakery Display Case (Turbo Air TBP6046FD)	8,663.13	27.31

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0107	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, Black (Turbo Air TBP6046FN)	9,200.95	27.31
11 46 16 00-0108	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6046NN)	9,200.95	27.31
11 46 16 00-0109	EA	27-1/2" Length x 59" Width x 44-3/8" Height, 59" Square Glass, 2 Shelves, 1 Door, R-290 Refrigerant, Full Service Two Tier Refrigerated Bakery Display Case, Black (Turbo Air TBP6054FD)	9,179.33	27.31
11 46 16 00-0110	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 36" Curved Glass, 2 Shelves, 2 Doors, 36 To 43 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Avantco 193BC36HCB)	2,918.29	29.86
11 46 16 00-0111	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 1 Shelf, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP6054FW)	9,754.52	29.86
11 46 16 00-0112	EA	27-1/2" Length x 59" Width x 52-3/8" Height, 59" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case, White (Turbo Air TBP6054NW)	7,663.56	29.86
11 46 16 00-0113	EA	27-1/2" Length x 35-3/8" Width x 52-3/8" Height, 35-1/2" Square Glass, 2 Shelves, 2 Doors, R-290 Refrigerant, Full Service Three Tier Refrigerated Bakery Display Case With Lift-Up Front Glass, White (Turbo Air TBP3654FW)	7,892.87	27.31
11 46 16 00-0114	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB36RWN)	3,274.39	29.86
11 46 16 00-0115	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB36FBN)	10,077.03	29.86
11 46 16 00-0116	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Flat Glass, 2 Shelves, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB36FWN)	10,077.03	29.86
11 46 16 00-0117	EA	34-1/4" Length x 36-1/2" Width x 50-1/8" Height, 36" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB362WN)	10,077.03	29.86
11 46 16 00-0118	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB48DWN)	7,531.98	29.86
11 46 16 00-0119	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Refrigerated Bakery Display Case, Black (Turbo Air TCGB48FBN)	12,139.16	29.86
11 46 16 00-0120	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB48FWN)	12,139.16	29.86
11 46 16 00-0121	EA	34-1/4" Length x 48-1/2" Width x 50-1/8" Height, 48" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB482WN)	12,139.16	29.86
11 46 16 00-0122	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 2 Shelves, R-290 Refrigerant, Full Service Refrigerated Dry Bakery Display Case, White (Turbo Air TCGB60DWN)	8,662.19	29.86
11 46 16 00-0123	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, Black (Turbo Air TCGB60FBN)	12,330.60	29.86
11 46 16 00-0124	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Open, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB60FWN)	10,857.21	29.86
11 46 16 00-0125	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dry Refrigerated Bakery Display Case, White (Turbo Air TCGB602WN)	10,857.21	29.86
11 46 16 00-0126	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Refrigerated Bakery Display Case, White (Turbo Air TCGB722WN)	12,891.52	32.81

11 46 16 00-0127 Dry Bakery Display Case *(11 46 16)*

11 46 16 00-0128	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD36B)	2,327.83	20.51
11 46 16 00-0129	EA	26-1/2" Length x 36" Width x 48" Height, 36" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD36W)	2,327.83	20.51
11 46 16 00-0130	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD48B)	2,582.06	20.51
11 46 16 00-0131	EA	26-1/2" Length x 47.8" Width x 48" Height, 48" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD48W)	2,582.06	20.51
11 46 16 00-0132	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD60B)	2,969.23	23.46
11 46 16 00-0133	EA	26-1/2" Length x 59-2/3" Width x 48" Height, 60" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD60W)	3,541.25	23.46
11 46 16 00-0134	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, Black (Avantco BCD72B)	3,464.98	23.46
11 46 16 00-0135	EA	26-1/2" Length x 71-1/2" Width x 48" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Avantco BCD72W)	3,464.98	23.46
11 46 16 00-0136	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air TBP3646FN)	7,284.37	27.31
11 46 16 00-0137	EA	27-1/2" Length x 36-3/8" Width x 44-3/8" Height, 73-11/16" Curved Glass, 1 Shelf, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air TBP3646FW)	14,514.03	27.31
11 46 16 00-0138	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Turbo Air TCGB72DWN)	9,579.86	32.81
11 46 16 00-0139	EA	35-3/4" Length x 37-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, Full Service Dry Bakery Display Case, White (Beverage-Air CDR3HCWD)	7,061.18	29.86
11 46 16 00-0140	EA	35-3/4" Length x 36-1/4" Width x 48-9/16" Height, 37-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR3HCBD)	7,061.18	29.86
11 46 16 00-0141	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR4HCBD)	7,061.18	29.86
11 46 16 00-0142	EA	35-3/4" Length x 49-1/4" Width x 48-9/16" Height, 49-1/4" Curved Glass, 2 Doors, 2 Shelves, Dry Bakery Display Case, White (Beverage-Air CDR4HCWD)	7,061.18	29.86
11 46 16 00-0143	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Dry Bakery Display Case, Black (Beverage-Air CDR5HCBD)	7,345.28	29.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 46 16 00-0144	EA	35-3/4" Length x 60-1/4" Width x 48-9/16" Height, 60-1/4" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White (Beverage-Air CDR5HCWD)	7,345.28	29.86
11 46 16 00-0145	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, Black (Beverage-Air CDR6HCBD)	7,941.08	32.81
11 46 16 00-0146	EA	35-3/4" Length x 73-11/16" Width x 48-9/16" Height, 73-11/16" Curved Glass, 2 Shelves, 2 Doors, Full Service Dry Bakery Display Case, White(Beverage-Air CDR6HCWD)	7,941.08	32.81

11 46 16 00-0147 Dual Dry/Refrigerated Bakery Display Case *(11 46 16)*

11 46 16 00-0148	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Dual Dry/Refrigerated Bakery Display Case, Black (Turbo Air TCGB60UFCBON)	11,785.49	29.86
11 46 16 00-0149	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Flat Glass, 4 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60UFCOWN)	11,785.49	29.86
11 46 16 00-0150	EA	34-1/4" Length x 60-1/2" Width x 50-1/8" Height, 60" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, Refrigerant R-290, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB60COWN)	11,785.49	29.86
11 46 16 00-0151	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, 2 Doors, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72UFCOWN)	11,791.47	32.81
11 46 16 00-0152	EA	34-1/4" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 4 Shelves, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Full Service Dual Dry/Refrigerated Bakery Display Case, White (Turbo Air TCGB72COWN)	12,103.00	32.81

11 46 16 00-0153 Refrigerated Deli Case *(11 46 16)*

11 46 16 00-0154	EA	30" Length x 72-1/2" Width x 41-7/8" Height, 72" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72LWN)	12,944.06	109.35
11 46 16 00-0155	EA	30" Length x 72-1/2" Width x 50-1/8" Height, 72" Curved Glass, 2 Shelves, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD72HWN)	12,944.06	109.35
11 46 16 00-0156	EA	30" Length x 96-1/2" Width x 41-7/8" Height, 96" Low Profile Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96LWN)	14,848.73	109.35
11 46 16 00-0157	EA	30" Length x 96-1/2" Width x 5-1/8" Height, 96" Curved Glass, 1 Shelf, Sliding Door, 33 To 41 Degree Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Turbo Air TCDD96HWN)	14,848.73	109.35
11 46 16 00-0158	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC36HCB)	2,989.98	65.62
11 46 16 00-0159	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Doors, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC36HCS)	3,260.34	65.62
11 46 16 00-0160	EA	32-1/2" Length x 36-1/4" Width x 42-7/8" Height, 36" Curved Glass, 4 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahreheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC36HCW)	2,989.98	65.62
11 46 16 00-0161	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC47HCB)	3,378.54	82.03
11 46 16 00-0162	EA	32-1/2" Length x 47-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC47HCS)	3,677.36	82.03
11 46 16 00-0163	EA	32-1/2" Length x 64-1/3" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC64HCW)	3,945.51	109.35
11 46 16 00-0164	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC64HCB)	3,945.51	109.35
11 46 16 00-0165	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 64" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC64HCS)	4,472.01	109.35
11 46 16 00-0166	EA	32-1/2" Length x 64-1/4" Width x 42-7/8" Height, 47" Curved Glass, 6 Shelves, 2 Doors, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC47HCW)	3,433.25	109.35
11 46 16 00-0167	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, Black (Avantco DLC82HCB)	4,315.48	109.35
11 46 16 00-0168	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Refrigerated Deli Case, White (Avantco DLC82HCW)	4,315.48	109.35
11 46 16 00-0169	EA	32-1/2" Length x 82" Width x 42-7/8" Height, 82" Curved Glass, 9 Shelves, Sliding Door, 33 To 40 Degrees Fahrenheit Temperature Range, R-290 Refrigerant, Stainless Steel Refrigerated Deli Case (Avantco DLC82HCS)	4,756.60	109.35

11 46 19 Soda Fountain Equipment *(11 46)*

11 46 19 00-0001 Carbonated Beverage Dispensing *(11 46 19)*

11 46 19 00-0002	EA	Carbonated Beverage Dispenser	2,995.56	374.68
11 46 19 00-0003	EA	Carbonated Beverage Dispenser With 90 LB Ice	4,705.37	428.16
11 46 19 00-0004	EA	Carbonated Beverage Dispenser With 150 LB Ice	8,598.38	599.41

11 46 19 00-0005 Beverage Chilling Systems *(11 46 19)*

11 46 19 00-0006	EA	Beverage Chiller, Small	6,125.50	311.10
11 46 19 00-0007	EA	Beverage Chiller, Large	11,438.95	466.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 46 83 Ice Machines *(11 46)*

11 46 83 00-0001 Undercounter Ice Machines With Bin *(11 46 83)*

11 46 83 00-0002	EA	53 LB/Day, Air Cooled Undercounter Octagonal Cube Ice Machine Wiith 25 LB Capacity Bin (Manitowoc SM-50A 115/60/1)	1,923.11	20.51
11 46 83 00-0003	EA	85 LB/Day, Air Cooled Undercounter Pearl/Nugget Ice Machine With 22 LB Capacity Bin (Ice-O-Matic GEMU090)	3,114.45	161.38
11 46 83 00-0004	EA	137 LB/Day, Air Cooled Undercounter Half Dice Cube Ice Machine With 90 LB Capacity Bin (Manitowoc UYF0140A)	2,380.86	161.38
11 46 83 00-0005	EA	100 LB/Day, Undercounter, Air Cooled Ice Machine With 57 LB Capacity Bin (Scotsman CU0920MA)	2,324.76	161.38
11 46 83 00-0006	EA	227 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2024SA)	2,504.01	172.91
11 46 83 00-0007	EA	282 LB/Day, Undercounter, Air Cooled Ice Machine With 80 Lb Capacity Bin (Scotsman UC2724SA)	2,796.61	172.91

11 46 83 00-0008 Ice Cube Maker *(11 46 83)*

11 46 83 00-0009	EA	320 LB/Day, Modular Ice Maker Without Bin	2,705.10	172.91
11 46 83 00-0010	EA	451 LB/Day, Modular Ice Maker Without Bin	2,938.02	184.44
11 46 83 00-0011	EA	600 LB/Day, Modular Ice Maker Without Bin	3,351.69	184.44
11 46 83 00-0012	EA	901 LB/Day, Modular Ice Maker Without Bin	4,761.61	195.96
11 46 83 00-0013	EA	1301 LB/Day, Modular Ice Maker Without Bin	5,391.37	195.96
11 46 83 00-0014	EA	1601 LB/Day, Modular Ice Maker Without Bin	6,486.56	207.49
11 46 83 00-0015	EA	1900 LB/Day, Modular Ice Maker Without Bin	7,155.82	207.49

11 46 83 00-0016 Ice Flakers *(11 46 83)*

11 46 83 00-0017	EA	300 LB/Day, Ice Flakers	4,718.81	506.97
11 46 83 00-0018	EA	600 LB/Day, Ice Flakers	8,529.37	811.15
11 46 83 00-0019	EA	1,000 LB/Day, Ice Flakers	10,565.06	1,115.33
11 46 83 00-0020	EA	2,000 LB/Day, Ice Flakers	12,880.58	1,216.73

11 46 83 00-0021 Ice Storage Bins *(11 46 83)*

11 46 83 00-0022	EA	260 LB Capacity, Stainless Steel Ice Storage Bin	1,111.17	123.05
11 46 83 00-0023	EA	360 LB Capacity, Stainless Steel Ice Storage Bin	1,212.28	123.05
11 46 83 00-0024	EA	550 LB Capacity, Stainless Steel Ice Storage Bin	1,502.42	133.30
11 46 83 00-0025	EA	660 LB Capacity, Stainless Steel Ice Storage Bin	1,614.77	133.30
11 46 83 00-0026	EA	1150 LB Capacity, Stainless Steel Ice Storage Bin	3,039.63	143.56

11 48 Foodservice Cleaning and Disposal Equipment *(11 40)*

11 48 13 Commercial Dishwashers *(11 48)*

11 48 13 00-0001 Rack Type Dishwasher *(11 48 13)*

11 48 13 00-0002	EA	Dishwasher, 1 Tank And 190 Racks/Hour	7,936.66	202.69
11 48 13 00-0003	EA	Dishwasher, 2 Tanks And 234 Racks/Hour	13,716.69	532.07
11 48 13 00-0004	EA	Dishwasher, 2 Tanks And 265 Racks/Hour	16,463.86	608.08
11 48 13 00-0005	EA	Dishwasher, Automatic - 100 Meals/Hour	12,683.45	152.02
11 48 13 00-0006	EA	Dishwasher, Machine Rack	14,901.92	422.31
11 48 13 00-0007	EA	Dishwasher, Hobart LX30-H	3,993.30	177.36

11 48 13 00-0008 Exhaust Hood Dishwasher *(11 48 13)*

11 48 13 00-0009	EA	4' x 4' x 2' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	1,639.90	191.44
11 48 13 00-0010	EA	4' x 4' x 7' Dishwasher Exhaust Hood Stainless Steel With Gutter On All Sides	2,750.93	229.72

11 48 13 00-0011 Dish Tables *(11 48 13)*

11 48 13 00-0012	LF	Clean/Soiled Dish Table, Basic	202.13	38.93
11 48 13 00-0013	LF	Clean/Soiled Dish Table With Trough	316.19	58.34
11 48 13 00-0014	LF	Clean/Soiled Dish Table, Maximum	386.97	77.75

11 48 13 00-0015 Sprays And Hoses *(11 48 13)*

11 48 13 00-0016 Sprays, Fillers *(11 48 13 00-0015)*

11 48 13 00-0017	EA	Pre-Rinse Spray	362.24	73.84
11 48 13 00-0018	EA	Kettle Fillers	319.34	73.84

11 48 13 00-0019 Hoses *(11 48 13 00-0015)*

11 48 13 00-0020	EA	Hose Reel	434.70	88.64
11 48 13 00-0021	EA	Wash-Down Hose	348.89	88.64
11 48 13 00-0022	EA	Hose Reel And Spray System With Accessories (Chicago 535NF)	1,183.01	

11 48 16 Foodservice Disposal Equipment *(11 48)*

11 48 16 00-0001 Garbage Disposals *(11 48 16)*

Note: Manual switch.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 48 16 00-0002	EA	1/2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,223.05	136.82
11 48 16 00-0003	EA	3/4 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,533.19	141.89
11 48 16 00-0004	EA	1 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	1,644.31	146.95
11 48 16 00-0005	EA	1.5 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,138.04	152.02
11 48 16 00-0006	EA	2 HP, 115/208-230 Volt, 1 Phase, Stainless Steel, Garbage Disposal	2,328.47	167.23
11 48 16 00-0007	EA	3 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	3,262.73	182.43
11 48 16 00-0008	EA	5 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	3,889.81	202.69
11 48 16 00-0009	EA	7-1/2 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	5,398.98	217.89
11 48 16 00-0010	EA	10 HP, 208-230/460 Volt, 3 Phase, Stainless Steel, Garbage Disposal	7,096.38	228.03

11 48 16 00-0011 Pulper/Extractors *(11 48 16)*

11 48 16 00-0012	EA	5 HP, Pulper/Extractor, Close-Coupled	4,726.73	211.11

11 50 Educational and Scientific Equipment *(11)*

11 52 Audio-Visual Equipment *(11 50)*

11 52 13 Projection Screens *(11 52)*

11 52 13 13 Fixed Projection Screens *(11 52 13)*

11 52 13 13-0001 Screens *(11 52 13 13)*

11 52 13 13-0002 Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model B)

(11 52 13 13-0001)

11 52 13 13-0003	EA	40" x 40" Pull Down Projection Screen (Da-Lite B)	257.99	65.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0004	EA	50" x 50" Pull Down Projection Screen (Da-Lite B)	309.05	83.61
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0005	EA	60" x 60" Pull Down Projection Screen (Da-Lite B)	397.26	116.13
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0006	EA	70" x 70" Pull Down Projection Screen (Da-Lite B)	462.26	139.35
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0007	EA	84" x 84" Pull Down Projection Screen (Da-Lite B)	712.84	209.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0008	EA	96" x 96" Pull Down Projection Screen (Da-Lite B)	833.45	232.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0009	EA	64" x 84" Pull Down Projection Screen (Da-Lite B)	592.06	148.65
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0010	EA	72" x 96" Pull Down Projection Screen (Da-Lite B)	684.93	185.81
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0011	EA	43" x 57" Pull Down Projection Screen (Da-Lite B)	360.02	78.97
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0012	EA	50" x 67" Pull Down Projection Screen (Da-Lite B)	499.20	111.48
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0013	EA	55" x 77" Pull Down Projection Screen (Da-Lite B)	545.62	125.42
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0014	EA	60" x 80" Pull Down Projection Screen (Da-Lite B)	582.73	134.71
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0015	EA	69" x 92" Pull Down Projection Screen (Da-Lite B)	675.55	162.59
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0016	EA	45" x 80" Pull Down Projection Screen (Da-Lite B)	545.57	116.13
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0017	EA	52" x 92" Pull Down Projection Screen (Da-Lite B)	619.81	134.71
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0018 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C) *(11 52 13 13-0001)*

11 52 13 13-0019	EA	50" x 50" Pull Down Projection Screen (Da-Lite C)	568.59	83.61
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0020	EA	60" x 60" Pull Down Projection Screen (Da-Lite C)	675.34	116.13
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0021	EA	70" x 70" Pull Down Projection Screen (Da-Lite C)	796.03	157.94
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0022	EA	84" x 84" Pull Down Projection Screen (Da-Lite C)	935.31	209.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0023	EA	6' x 8' Pull Down Projection Screen (Da-Lite C)	1,018.75	213.68
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0024	EA	8' x 8' Pull Down Projection Screen (Da-Lite C)	1,092.99	232.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0025	EA	7' x 9' Pull Down Projection Screen (Da-Lite C)	1,111.53	232.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0026	EA	9' x 9' Pull Down Projection Screen (Da-Lite C)	1,195.02	246.20
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0027	EA	8' x 10' Pull Down Projection Screen (Da-Lite C)	1,278.52	260.13
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0028	EA	10' x 10' Pull Down Projection Screen (Da-Lite C)	1,371.28	278.72
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0029	EA	9' x 12' Pull Down Projection Screen (Da-Lite C)	1,519.59	278.72
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0030	EA	12' x 12' Pull Down Projection Screen (Da-Lite C)	1,779.56	371.62
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0031 Heavy Duty Pull Down Project Screen, Matte White Or Glass Beaded (Da-Lite Model C With CSR) *(11 52 13 13-0001)*

Note: With controlled screen return.

11 52 13 13-0032	EA	60" x 60" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,046.12	116.13
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0033	EA	70" x 70" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,185.35	157.94
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0034	EA	84" x 84" Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,324.63	209.03
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0035	EA	6' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,389.53	213.68
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0036	EA	8' x 8' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,482.31	232.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0037	EA	7' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,500.85	232.26
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0038	EA	9' x 9' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,584.34	246.20
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0039	EA	8' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,621.46	255.48
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0040	EA	10' x 10' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,816.22	278.72
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0041	EA	9' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	1,983.07	278.72
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	
11 52 13 13-0042	EA	12' x 12' Pull Down Projection Screen With CSR (Controlled Screen Return) (Da-Lite C With CSR)	2,280.11	371.62
		For High Contrast Matte, Add	*40.00*	
		For Video Spectra Fabric, Add	*40.00*	
		For High Power Fabric, Add	*120.00*	

11 52 13 13-0043 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Cosmopolitan Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed installation.

11 52 13 13-0044	EA	50" x 50" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,638.74	104.51
11 52 13 13-0045	EA	60" x 60" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,679.03	116.13
11 52 13 13-0046	EA	70" x 70" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	1,757.91	139.35
11 52 13 13-0047	EA	84" x 84" Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,043.98	209.03
11 52 13 13-0048	EA	6' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,094.22	213.68
11 52 13 13-0049	EA	8' x 8' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,225.22	232.26
11 52 13 13-0050	EA	7' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,267.87	232.26
11 52 13 13-0051	EA	9' x 9' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,382.27	248.52
11 52 13 13-0052	EA	8' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,519.82	260.13
11 52 13 13-0053	EA	10' x 10' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,613.27	278.72
11 52 13 13-0054	EA	9' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	2,690.04	278.72
11 52 13 13-0055	EA	12' x 12' Electric Projection Screen, Wall Or Ceiling Mounted (Da-Lite Cosmopolitan Electrol)	3,008.93	371.62

11 52 13 13-0056 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Professional Electrol) *(11 52 13 13-0001)*

Note: Heavy-duty screen for exposed or recessed installation without doors.

11 52 13 13-0057	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	3,707.20	278.72
11 52 13 13-0058	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,041.32	371.62
11 52 13 13-0059	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	4,987.02	418.07
11 52 13 13-0060	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	5,265.31	464.52
11 52 13 13-0061	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	5,636.52	557.42
11 52 13 13-0062	EA	13.5' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,285.58	603.88
11 52 13 13-0063	EA	18' x 18' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	6,879.05	650.33
11 52 13 13-0064	EA	15' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,249.83	650.33
11 52 13 13-0065	EA	20' x 20' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,824.95	743.23
11 52 13 13-0066	EA	11' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,212.53	603.88
11 52 13 13-0067	EA	16.5' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,676.64	743.23
11 52 13 13-0068	EA	22' x 22' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	8,047.83	836.14
11 52 13 13-0069	EA	12' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	7,676.22	650.33
11 52 13 13-0070	EA	18' x 24' Electric Projection Screen, Ceiling Mounted (Da-Lite Professional Electrol) Note: Heavy-duty screen for exposed or recessed installation without doors.	9,901.73	836.14

11 52 13 13-0071 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Executive Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0072	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,358.81	104.51
11 52 13 13-0073	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,437.65	116.13
11 52 13 13-0074	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,521.19	139.35
11 52 13 13-0075	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,790.31	209.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0076	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,836.68	213.68
11 52 13 13-0077	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,985.08	232.26
11 52 13 13-0078	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,096.31	232.26
11 52 13 13-0079	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,184.44	248.52
11 52 13 13-0080	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,300.37	260.13
11 52 13 13-0081	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,411.68	278.72
11 52 13 13-0082	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,448.76	278.72
11 52 13 13-0083	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,819.96	371.62
11 52 13 13-0084	EA	10.6' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,163.04	394.85
11 52 13 13-0085	EA	14' x 14' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,394.88	418.07
11 52 13 13-0086	EA	12' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	5,895.64	464.52
11 52 13 13-0087	EA	16' x 16' Electric Projection Screen, Ceiling Mounted (Da-Lite Executive Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	6,174.15	557.42

11 52 13 13-0088 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Senior Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0089	EA	50" x 50" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,795.22	104.51
11 52 13 13-0090	EA	60" x 60" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,867.63	127.75
11 52 13 13-0091	EA	70" x 70" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,907.55	139.35
11 52 13 13-0092	EA	84" x 84" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,100.66	209.03
11 52 13 13-0093	EA	6' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,126.64	213.68
11 52 13 13-0094	EA	8' x 8' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,234.25	232.26
11 52 13 13-0095	EA	7' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,332.50	232.26
11 52 13 13-0096	EA	9' x 9' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,496.64	248.52
11 52 13 13-0097	EA	8' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,545.83	260.13
11 52 13 13-0098	EA	10' x 10' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,662.70	278.72
11 52 13 13-0099	EA	9' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,681.46	325.16
11 52 13 13-0100	EA	12' x 12' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,033.90	371.62
11 52 13 13-0101	EA	10'-6" x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,003.60	394.85
11 52 13 13-0102	EA	14' x 14' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,226.18	418.07
11 52 13 13-0103	EA	12' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,662.05	464.52
11 52 13 13-0104	EA	16' x 16' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,925.72	557.42
11 52 13 13-0105	EA	13'-6" x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,454.29	603.88
11 52 13 13-0106	EA	18' x 18' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,856.79	650.33
11 52 13 13-0107	EA	15' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,127.46	650.33
11 52 13 13-0108	EA	20' x 20' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	7,891.69	743.23
11 52 13 13-0109	EA	50" x 67" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	2,907.55	139.35
11 52 13 13-0110	EA	60" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,054.21	185.81
11 52 13 13-0111	EA	69" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,117.35	209.03
11 52 13 13-0112	EA	87" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,564.37	260.13
11 52 13 13-0113	EA	105" x 140" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,835.33	325.16
11 52 13 13-0114	EA	123" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,760.85	418.07
11 52 13 13-0115	EA	141" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,087.55	510.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0116	EA	12' x 24' Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	8,859.22	696.78
11 52 13 13-0117	EA	45" x 80" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,063.48	185.81
11 52 13 13-0118	EA	52" x 92" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,145.16	209.03
11 52 13 13-0119	EA	54" x 96" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,226.79	222.97
11 52 13 13-0120	EA	58" x 104" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,280.64	241.55
11 52 13 13-0121	EA	65" x 116" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,475.39	260.13
11 52 13 13-0122	EA	78" x 139" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	3,764.88	325.16
11 52 13 13-0123	EA	92" x 164" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	4,710.79	418.07
11 52 13 13-0124	EA	106" x 188" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	5,456.48	510.97
11 52 13 13-0125	EA	119" x 212" Electric Projection Screen (Da-Lite Senior Electrol) Note: Heavy duty screen for recessed or exposed installation.	6,615.58	603.88

11 52 13 13-0126 Electric Project Screen, Matte White Or Glass Beaded (Da-Lite Boardroom Electrol) *(11 52 13 13-0001)*

Note: In-the-ceiling screen with automatically operated door to conceal screen.

11 52 13 13-0127	EA	50" x 50" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,182.76	104.51
11 52 13 13-0128	EA	60" x 60" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,246.94	116.13
11 52 13 13-0129	EA	70" x 70" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,324.11	139.35
11 52 13 13-0130	EA	84" x 84" Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,569.24	209.03
11 52 13 13-0131	EA	6' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,612.65	213.68
11 52 13 13-0132	EA	8' x 8' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,723.17	232.26
11 52 13 13-0133	EA	7' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,837.48	232.26
11 52 13 13-0134	EA	9' x 9' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	3,943.35	248.52
11 52 13 13-0135	EA	8' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,021.19	260.13
11 52 13 13-0136	EA	10' x 10' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,145.35	278.72
11 52 13 13-0137	EA	9' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,263.07	278.72
11 52 13 13-0138	EA	12' x 12' Electric Projection Screen, Ceiling Mounted (Da-Lite Boardroom Electrol) Note: In-the-ceiling screen with automatically operated door to conceal screen.	4,547.83	371.62

11 52 13 13-0139 Electric Ascending Project Screen, Matte White, Glass Beaded (Da-Lite Ascender Electrol) *(11 52 13 13-0001)*

Note: High contrast matte white, video spectrum or high power. Includes a motorized spring assisted scissors mechanism which raises the screen surface from the housing ensuring smooth operation. A trap door housing keeps the screen and lift mechanism hidden until the screen is activated.

11 52 13 13-0140	EA	60" x 80" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,582.75	232.26
11 52 13 13-0141	EA	69" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,194.74	278.72
11 52 13 13-0142	EA	87" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	10,734.11	418.07
11 52 13 13-0143	EA	105" x 140" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,534.14	557.42
11 52 13 13-0144	EA	120" x 160" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	15,017.67	650.33
11 52 13 13-0145	EA	52" x 92" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,101.84	232.26
11 52 13 13-0146	EA	58" x 104" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,954.84	278.72
11 52 13 13-0147	EA	65" x 116" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	10,548.30	325.16
11 52 13 13-0148	EA	78" x 139" Electric Ascending Projection Screen (Da-Lite Ascender Electrol) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	13,255.42	418.07

11 52 13 13-0149 Electric Rear Projection Screen (Da-Lite DA-View) *(11 52 13 13-0001)*

Note: Consists of a single acrylic layer with rear Fensel lens and lenticulated front profile. Un-framed.

11 52 13 13-0150	EA	60" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,075.95	232.26
11 52 13 13-0151	EA	67" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	3,848.20	255.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 13 13-0152	EA	72" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	4,402.71	278.72
11 52 13 13-0153	EA	84" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	7,860.43	301.94
11 52 13 13-0154	EA	90" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	8,705.26	8,380.09
11 52 13 13-0155	EA	96" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	9,669.12	371.62
11 52 13 13-0156	EA	100" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	12,374.91	418.07
11 52 13 13-0157	EA	120" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	16,677.45	464.52
11 52 13 13-0158	EA	125" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	18,657.44	510.97
11 52 13 13-0159	EA	135" Diagonal Video Format Rigid Rear Projection Screen (Da-Lite DA-View) Note: Includes a motorized spring assisted scissors mechanism and trap door housing.	24,919.64	557.42
11 52 13 13-0160		**Screen Accessories** *(11 52 13 13-0001)*		
11 52 13 13-0161		**Manual Pull Down Accessories** *(11 52 13 13-0160)*		
11 52 13 13-0162	EA	6" Mounting Bracket (Pair)	47.31	6.97
11 52 13 13-0163	EA	14" Wall Mounting Bracket (Pair)	65.85	7.43
11 52 13 13-0164	EA	14-1/2" To 24" Adjustable Wall Mounting Bracket (Pair)	76.97	8.36
11 52 13 13-0165		**Electric Powered Screen Accessories** *(11 52 13 13-0160)*		
11 52 13 13-0166	EA	Single Motor Low Voltage Remote Control System - Infrared	466.29	
11 52 13 13-0167	EA	Single Motor Low Voltage Remote Control System - Radio Frequency	670.22	
11 52 16		**Projectors** *(11 52)*		
11 52 16 26		**Video Projectors** *(11 52 16)*		
11 52 16 26-0001		**Projectors** *(11 52 16 26)*		
11 52 16 26-0002	EA	2,000 Lumens Output, 800 x 600 Pixels, SVGA Compact 3LCD Panels Projector	883.41	46.45
11 52 16 26-0003	EA	2,000 Lumens Output, 1024 x 768 Pixels, XGA Compact 3LCD Panels Projector	1,021.74	46.45
11 52 16 26-0004	EA	2,000 Lumens Output, 1280 x 800 Pixels, WXGA Compact 3LCD Panels Projector	1,347.82	46.45
11 52 16 26-0005	EA	3,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	2,118.56	46.45
11 52 16 26-0006	EA	3,500 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	2,464.40	46.45
11 52 16 26-0007	EA	3,000 Lumens Output, 1366 x 800 Pixels, WXGA 3LCD Panels Projector	3,126.44	46.45
11 52 16 26-0008	EA	4,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	4,964.34	46.45
11 52 16 26-0009	EA	5,200 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	6,723.20	46.45
11 52 16 26-0010	EA	6,000 Lumens Output, 1024 x 768 Pixels, XGA 3LCD Panels Projector	9,974.11	46.45
11 52 16 26-0011		**Projector Mounts** *(11 52 16 26)*		
11 52 16 26-0012		**Universal Projector Mounts** *(11 52 16 26-0011)* Note: Includes ceiling or wall mounting hardware and hardware for attaching projector. Excludes projector.		
11 52 16 26-0013	EA	Flush Ceiling, Universal Projector Mount (Peerless PPF)	204.61	51.07
11 52 16 26-0014	EA	Wall Arm, Universal Projector Mount (Peerless PWA-14)	327.27	51.07
11 52 16 26-0015		**Projector Mount Components** *(11 52 16 26-0011)* Note: Complete projector mount system will include ceiling attachment plate, threaded extension column and projector attachment plate. Excludes projector.		
11 52 16 26-0016		**Ceiling Attachment Plates For Projector Mounts** *(11 52 16 26-0015)*		
11 52 16 26-0017	EA	Finished Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 570)	75.60	23.21
11 52 16 26-0018	EA	Truss Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 557)	100.78	23.21
11 52 16 26-0019	EA	I-Beam Ceiling, Attachment Plate For Projector Mounts (Peerless ACC 558/559)	138.04	23.21
11 52 16 26-0020	EA	Suspended Ceiling, Attachment Plate For Projector Mounts (Peerless CMJ 455)	172.14	23.21
11 52 16 26-0021		**Projector Attachment Plates For Projector Mounts** *(11 52 16 26-0015)*		
11 52 16 26-0022	EA	Universal Projector Attachment Plate For Projector Mounts (Peerless PRG-UNV)	248.27	23.21
11 52 16 26-0023	EA	High Security Projector Enclosure For Projector Mounts (Peerless ALB)	541.76	23.21
11 52 16 26-0024		**Threaded Extension Columns For Projector Mounts** *(11 52 16 26-0015)*		
11 52 16 26-0025		**Fixed Length, Threaded Extension Column For Projector Mounts** *(11 52 16 26-0024)* Note: Peerless EXT series.		
11 52 16 26-0026	EA	6" Fixed Length, Threaded Extension Column For Projector Mounts	43.43	6.96
11 52 16 26-0027	EA	12" Fixed Length, Threaded Extension Column For Projector Mounts	55.85	6.96
11 52 16 26-0028	EA	18" Fixed Length, Threaded Extension Column For Projector Mounts	60.51	6.96
11 52 16 26-0029	EA	24" Fixed Length, Threaded Extension Column For Projector Mounts	63.62	6.96
11 52 16 26-0030	EA	36" Fixed Length, Threaded Extension Column For Projector Mounts	76.02	9.28
11 52 16 26-0031	EA	48" Fixed Length, Threaded Extension Column For Projector Mounts	91.55	9.28
11 52 16 26-0032	EA	60" Fixed Length, Threaded Extension Column For Projector Mounts	116.39	9.28
11 52 16 26-0033	EA	72" Fixed Length, Threaded Extension Column For Projector Mounts	133.47	9.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 16 26-0034	EA	84" Fixed Length, Threaded Extension Column For Projector Mounts	156.75	11.61
11 52 16 26-0035	EA	96" Fixed Length, Threaded Extension Column For Projector Mounts	178.49	11.61
11 52 16 26-0036	EA	108" Fixed Length, Threaded Extension Column For Projector Mounts	198.66	13.93
11 52 16 26-0037	EA	120" Fixed Length, Threaded Extension Column For Projector Mounts	207.98	13.93

11 52 16 26-0038 Adjustable Length, Threaded Extension Columns For Projector Mounts *(11 52 16 26-0024)*

Note: Peerless ADJ series. Adjustable at 1" increments.

11 52 16 26-0039	EA	6" To 9" Adjustable Length, Threaded Extension Column For Projector Mounts	88.43	11.61
11 52 16 26-0040	EA	12" To 18" Adjustable Length, Threaded Extension Column For Projector Mounts	135.01	11.61
11 52 16 26-0041	EA	18" To 24" Adjustable Length, Threaded Extension Column For Projector Mounts	138.11	11.61
11 52 16 26-0042	EA	24" To 36" Adjustable Length, Threaded Extension Column For Projector Mounts	142.77	11.61
11 52 16 26-0043	EA	36" To 60" Adjustable Length, Threaded Extension Column For Projector Mounts	155.19	13.93
11 52 16 26-0044	EA	48" To 72" Adjustable Length, Threaded Extension Column For Projector Mounts	162.95	13.93
11 52 16 26-0045	EA	60" To 84" Adjustable Length, Threaded Extension Column For Projector Mounts	180.03	13.93
11 52 16 26-0046	EA	72" To 96" Adjustable Length, Threaded Extension Column For Projector Mounts	195.56	13.93
11 52 16 26-0047	EA	84" To 108" Adjustable Length, Threaded Extension Column For Projector Mounts	217.28	16.25
11 52 16 26-0048	EA	96" To 120" Adjustable Length, Threaded Extension Column For Projector Mounts	232.81	16.25
11 52 16 26-0049	EA	108" To 132" Adjustable Length, Threaded Extension Column For Projector Mounts	254.53	18.57
11 52 16 26-0050	EA	120" To 144" Adjustable Length, Threaded Extension Column For Projector Mounts	265.40	18.57

11 52 33 Interactive Displays *(11 52)*

11 52 33 00-0001 Television Monitors And Panels *(11 52 33)*

Note: Excludes wall or ceiling mounts See CSI section 11 52 33 00-0019 for television mounting.

11 52 33 00-0002	EA	27" HD Television, LCD, 1080 DPI, 60 Hertz	447.41	16.40
11 52 33 00-0003	EA	32" HD Television, LCD, 720 DPI, 60 Hertz	491.14	18.46
11 52 33 00-0004	EA	32" HD Television, LCD, 1080 DPI, 120 Hertz	666.37	20.51
11 52 33 00-0005	EA	32" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	672.43	20.51
11 52 33 00-0006	EA	40" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	761.40	22.55
11 52 33 00-0007	EA	46" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	893.84	24.61
11 52 33 00-0008	EA	50" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,113.20	26.66
11 52 33 00-0009	EA	55" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,330.52	26.66
11 52 33 00-0010	EA	60" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,549.88	28.71
11 52 33 00-0011	EA	65" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	1,877.89	30.76
11 52 33 00-0012	EA	75" HD Television, LED, 1920x1080 With WI-FI Note: Includes 4 - HDMI, 3 - USB, 1 - component input.	2,966.51	32.82
11 52 33 00-0013	EA	46" 3D Television, LED, 1080 DPI, 240 Hertz	1,366.81	24.61
11 52 33 00-0014	EA	55" 3D Television, LED, 1080 DPI, 240 Hertz	1,905.75	26.66
11 52 33 00-0015	EA	60" 3D Television, LED, 1080 DPI, 240 Hertz	2,578.91	28.71
11 52 33 00-0016	EA	65" 3D Television, LED, 1080 DPI, 240 Hertz	2,715.18	30.76
11 52 33 00-0017	EA	75" 3D Television, LED, 1080 DPI, 240 Hertz	4,057.39	30.76
11 52 33 00-0018	EA	86" Interactive LED Panel (SMARTBOARD SPNL-7086)	12,360.49	32.82

11 52 33 00-0019 Flat Panel Display Mounting *(11 52 33)*

Note: Includes anchors, bolts and hardware. Excludes blocking in walls or ceiling.

11 52 33 00-0020	EA	Swivel Wall Mounts For 10" To 30" Flat Panel Displays Note: 2.6" To 16.6" swing arm extension, 12 degrees tilt	328.45	106.86
11 52 33 00-0021	EA	Premium Swivel Wall Mounts For 23" To 37" Flat Panel Displays Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	493.75	133.57
11 52 33 00-0022	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	521.31	160.29
11 52 33 00-0023	EA	Swivel Wall Mounts For 32" To 60" Flat Panel Displays With Extra Wide 24" Back Plate Note: 4.5" To 20.3" swing arm extension, 15 degrees tilt	550.05	160.29
11 52 33 00-0024	EA	Swivel Wall Mounts For 32" To 50" Flat Panel Displays Note: 4.5" To 26.2" swing arm extension, 15 degrees tilt	550.05	160.29
11 52 33 00-0025	EA	Full Motion Wall Mounts For 13" To 26" Flat Panel Displays Note: 8" Extension	314.11	106.86
11 52 33 00-0026	EA	Full Motion Wall Mounts For 26" To 40" Flat Panel Displays Note: 9.7" Extension	424.90	133.57
11 52 33 00-0027	EA	Full Motion Wall Mounts For 32" To 56" Flat Panel Displays Note: 10.2" Extension	693.48	160.29
11 52 33 00-0028	EA	Full Motion Wall Mounts For 42" To 84" Flat Panel Displays Note: 20" Extension	972.23	187.01
11 52 33 00-0029	EA	Low Profile Tilting Wall Mounts For 26" To 40" Flat Panel Displays	396.21	133.57
11 52 33 00-0030	EA	Low Profile Tilting Wall Mounts For 32" To 70" Flat Panel Displays	453.58	133.57
11 52 33 00-0031	EA	Low Profile Tilting Wall Mounts For 75" Flat Panel Displays	535.32	160.29
11 52 33 00-0032	EA	Low Profile Wall Mounts For 26" To 40" Flat Panel Displays	338.84	133.57
11 52 33 00-0033	EA	Low Profile Wall Mounts For 40" To 70" Flat Panel Displays	381.87	133.57
11 52 33 00-0034	EA	Low Profile Wall Mounts For 75" Flat Panel Displays	454.79	160.29
11 52 33 00-0035	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 50" Flat Panel Displays, 39" To 63" Extension From Ceiling Note: 360 degree rotation, 15 degree tilt.	561.58	213.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 52 33 00-0036	EA	Full Motion (Rotates And Tilts) Ceiling Mounts For 32" To 70" Flat Panel Displays, 18" To 31" Extension From Ceiling	642.12	213.72
		Note: 360 degree rotation, 15 degree tilt.		
		For 28" To 41" Extension Pole, Add	*28.06*	
		For 38" To 51" Extension Pole, Add	*35.73*	
		For 48" To 61" Extension Pole, Add	*40.84*	
11 52 33 00-0037	EA	VMP Full Motion (Rotates And Tilts) Ceiling Mounts For 37" To 80" Flat Panel Displays, 15" To 37" Extension From Ceiling	670.24	213.72
		Note: 360 degree rotation, 15 degree tilt.		

11 52 33 00-0038 Audio/Video Components *(11 52 33)*

11 52 33 00-0039	EA	MLC 104 IP Plus MLC - MediaLink™ Controller with IP Link® Ethernet Control, White (Extron Electronics #60-818-03)	1,067.05	80.14
11 52 33 00-0040	EA	MLC 226 IP Enhanced MLC - MediaLink™ Controller with IP Link® Ethernet Control, Black (Extron Electronics #60-600-02)	1,433.09	80.14
11 52 33 00-0041	EA	MPA 152 MPA 152 - Stereo Power Amplifier (Extron Electronics #60-844-01)	327.95	26.72
11 52 33 00-0042	EA	MPA 401-70 Volt, 70 Volt Mono Power Amplifier - 40 Watt (Extron Electronics #60-845-01)	377.87	26.72
11 52 33 00-0043	EA	MLS 406 Six Input MLS - MediaLink™ Switcher with Variable Preamplifier Audio Output Variable Preamp Audio Output (Extron Electronics #60-560-01)	1,536.43	106.86
11 52 33 00-0044	EA	MLS 406MA Six Input MLS - MediaLink™ Switcher with Mono Audio Amplifier Mono Audio Amplifier (Extron Electronics #60-560-02)	1,702.81	106.86
11 52 33 00-0045	EA	MLS 406SA Six Input MLS - MediaLink™ Switcher with Stereo Audio Amplifier Stereo Audio Amplifier (Extron Electronics #60-560-03)	1,702.81	106.86
11 52 33 00-0046	EA	Wall Plate VGA 3.5 RJ-45 Passthru (Liberty Cable #PC-G1600-E-P-C)	111.34	13.36
11 52 33 00-0047	EA	DVD/VCR Combo (Toshiba #SD V296)	108.22	
11 52 33 00-0048	EA	DVD/VCR Combo (Toshiba #SD V392)	109.66	
11 52 33 00-0049	EA	DVDr/VCR Combo (Toshiba #DVR620)	198.58	
11 52 33 00-0050	EA	DVDr/VCR Combo (Toshiba #DVR670)	271.73	

11 52 33 00-0051 Audio/Video Cabling *(11 52 33)*

11 52 33 00-0052	EA	HDMI M-M Pro/3 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-03)	27.63	
11 52 33 00-0053	EA	HDMI M-M Pro/6 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-06)	40.11	
11 52 33 00-0054	EA	HDMI M-M Pro/12 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-12)	59.89	
11 52 33 00-0055	EA	HDMI M-M Pro/25 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-25)	123.88	
11 52 33 00-0056	EA	HDMI M-M Pro/35 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-35)	173.80	
11 52 33 00-0057	EA	HDMI M-M Pro/50 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-50)	238.87	
11 52 33 00-0058	EA	HDMI M-M Pro/75 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-75)	326.22	
11 52 33 00-0059	EA	HDMI M-M Pro/100 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-100)	401.09	
11 52 33 00-0060	EA	HDMI M-M Pro/125 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-125)	478.63	
11 52 33 00-0061	EA	HDMI M-M Pro/150 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-150)	528.54	
11 52 33 00-0062	EA	HDMI M-M Pro/175 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-175)	631.04	
11 52 33 00-0063	EA	HDMI M-M Pro/200 High Performance HDMI Male to Male Cables (Extron Electronics #26-650-200)	758.50	
11 52 33 00-0064	EA	DVI-D/3 Single Link Male to Male Cables (Extron Electronics #26-649-03)	27.63	
11 52 33 00-0065	EA	DVI-D/6 Single Link Male to Male Cables (Extron Electronics #26-649-06)	40.11	
11 52 33 00-0066	EA	DVI-D/12 Single Link Male to Male Cables (Extron Electronics #26-649-12)	59.89	
11 52 33 00-0067	EA	DVI-D/25 Single Link Male to Male Cables (Extron Electronics #26-649-25)	123.88	
11 52 33 00-0068	EA	DVI-D/35 Single Link Male to Male Cables (Extron Electronics #26-649-35)	173.80	
11 52 33 00-0069	EA	DVI-D/50 Single Link Male to Male Cables (Extron Electronics #26-649-50)	238.86	
11 52 33 00-0070	EA	DVI-D/75 Single Link Male to Male Cables (Extron Electronics #26-649-75)	326.21	
11 52 33 00-0071	EA	DVI-D/100 Single Link Male to Male Cables (Extron Electronics #26-649-100)	401.08	
11 52 33 00-0072	EA	DVI-D/125 Single Link Male to Male Cables (Extron Electronics #26-649-125)	478.63	
11 52 33 00-0073	EA	DVI-D/150 Single Link Male to Male Cables (Extron Electronics #26-649-150)	528.54	
11 52 33 00-0074	EA	DVI-D/175 Single Link Male to Male Cables (Extron Electronics #26-649-175)	631.04	
11 52 33 00-0075	EA	DVI-D/200 Single Link Male to Male Cables (Extron Electronics #26-649-200)	758.50	
11 52 33 00-0076	EA	AV RCA/6 RCA Male to Male Composite Video and Stereo Audio Cables 6' (Extron Electronics #26-643-06)	12.65	
11 52 33 00-0077	EA	AV RCA/20 RCA Male to Male Composite Video and Stereo Audio Cables 20' (Extron Electronics #26-643-20)	20.31	
11 52 33 00-0078	EA	VGA M-M MD/3 Male to Male VGA Molded Connector Cables 3' (Extron Electronics #26-238-14)	15.15	
11 52 33 00-0079	EA	VGA M-M MD/6 Male to Male VGA Molded Connector Cables 6' (Extron Electronics #26-238-01)	16.40	
11 52 33 00-0080	EA	VGA M-M MD/10 Male to Male VGA Molded Connector Cables 10' (Extron Electronics #26-238-07)	22.46	
11 52 33 00-0081	EA	VGA M-M MD/15 Male to Male VGA Molded Connector Cables 15' (Extron Electronics #26-238-02)	26.20	
11 52 33 00-0082	EA	VGA M-M MD/25 Male to Male VGA Molded Connector Cables 25' (Extron Electronics #26-238-03)	41.53	
11 52 33 00-0083	EA	VGA M-M MD/35 Male to Male VGA Molded Connector Cables 35' (Extron Electronics #26-238-17)	57.75	
11 52 33 00-0084	EA	VGA M-M MD/50 Male to Male VGA Molded Connector Cables 50' (Extron Electronics #26-238-18)	76.65	
11 52 33 00-0085	EA	VGA M-M MD/75 Male to Male VGA Molded Connector Cables 75' (Extron Electronics #26-238-19)	101.61	
11 52 33 00-0086	EA	VGA M-M MD/100 Male to Male VGA Molded Connector Cables 100' (Extron Electronics #26-238-20)	126.56	
11 52 33 00-0087	EA	VGA M-M BK/3 Male to Male VGA Backshell Connector Cables 3' (Extron Electronics #26-238-24)	21.39	
11 52 33 00-0088	EA	VGA M-M BK/6 Male to Male VGA Backshell Connector Cables 6' (Extron Electronics #26-238-25)	22.64	
11 52 33 00-0089	EA	VGA M-M BK/10 Male to Male VGA Backshell Connector Cables 10' (Extron Electronics #26-238-26)	28.70	
11 52 33 00-0090	EA	VGA M-M BK/15 Male to Male VGA Backshell Connector Cables 15' (Extron Electronics #26-238-27)	34.94	
11 52 33 00-0091	EA	VGA M-M BK/25 Male to Male VGA Backshell Connector Cables 25' (Extron Electronics #26-238-28)	49.01	
11 52 33 00-0092	EA	VGA M-M BK/35 Male to Male VGA Backshell Connector Cables 35' (Extron Electronics #26-238-16)	65.24	
11 52 33 00-0093	EA	VGA M-M BK/50 Male to Male VGA Backshell Connector Cables 50' (Extron Electronics #26-238-04)	89.13	
11 52 33 00-0094	EA	VGA M-M BK/75 Male to Male VGA Backshell Connector Cables 75' (Extron Electronics #26-238-05)	114.09	
11 52 33 00-0095	EA	VGA M-M BK/100 Male to Male VGA Backshell Connector Cables 100' (Extron Electronics #26-238-06)	145.28	
11 52 33 00-0096	EA	A Mini/2 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-01)	5.17	
11 52 33 00-0097	EA	A Mini/9 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-03)	6.41	
11 52 33 00-0098	EA	A Mini/12 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-06)	7.66	
11 52 33 00-0099	EA	A Mini/25 3.5 mm Stereo Audio Male to Male Stereo Audio Cables (Extron Electronics #26-571-07)	10.16	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 60 Entertainment and Recreation Equipment *(11)*

11 66 Athletic Equipment *(11 60)*

11 66 13 Exercise Equipment *(11 66)*

11 66 13 00-0001 Fitness Systems *(11 66 13)*

11 66 13 00-0002 Components For Physical Fitness Activities *(11 66 13 00-0001)*

11 66 13 00-0003	EA	Sit And Reach	957.92	103.05
11 66 13 00-0004	EA	Isometric Squat	359.15	41.23
11 66 13 00-0005	EA	Log Jump	2,256.30	164.88
11 66 13 00-0006	EA	Step Up	540.79	82.44
11 66 13 00-0007	EA	Hip Rotation	2,450.02	144.28
11 66 13 00-0008	EA	Body Curl	927.14	82.44
11 66 13 00-0009	EA	Horizontal Ladder	2,955.91	164.88
11 66 13 00-0010	EA	Chin Up	2,266.75	164.88
11 66 13 00-0011	EA	Push Up	1,370.92	82.44
11 66 13 00-0012	EA	Leg Raise	1,923.26	123.67
11 66 13 00-0013	EA	Log Hop	860.36	41.23
11 66 13 00-0014	EA	Parallel Bar	1,852.78	123.67
11 66 13 00-0015	EA	Leg Stretch	801.83	82.44
11 66 13 00-0016	EA	Balance Beam	711.02	61.83
11 66 13 00-0017	EA	Log Roll	2,179.62	103.05

11 68 Play Field Equipment and Structures *(11 60)*

11 68 13 Playground Equipment *(11 68)*

See CSI section 32 31 13 13-0001 for augering holes and fill for posts.

11 68 13 00-0001 Standalone Playground Equipment *(11 68 13)*

11 68 13 00-0002 Ground Socket For Movable Posts *(11 68 13 00-0001)*

11 68 13 00-0003	PR	Ground Socket For 2-3/8" Post For Playground Equipment	225.07	55.66
11 68 13 00-0004	PR	Ground Socket For 3-1/2" Post For Playground Equipment	320.97	55.66

11 68 13 00-0005 See-Saws *(11 68 13 00-0001)*

11 68 13 00-0006 Steel See-Saw *(11 68 13 00-0005)*

11 68 13 00-0007	EA	2 Unit Steel See-Saw	1,791.78	342.56
11 68 13 00-0008	EA	4 Unit Steel See-Saw	2,778.38	404.82
11 68 13 00-0009	EA	6 Unit Steel See-Saw	3,797.43	494.79

11 68 13 00-0010 14′ Long Laminated Beam *(11 68 13 00-0005)*

11 68 13 00-0011	EA	Beam Is Supported By Two 12 In x 12 In Stepping Column Posts	1,788.82	302.90
11 68 13 00-0012	EA	Beam Is Supported By Two 8 In x 8 In Posts	1,276.05	269.82

11 68 13 00-0013 Slides *(11 68 13 00-0001)*

11 68 13 00-0014	EA	8' Long x 4' High Slide With Stainless Steel Bed	1,955.98	391.71
11 68 13 00-0015	EA	12' Long x 6' High Slide With Stainless Steel Bed	2,764.66	556.64
11 68 13 00-0016	EA	16' Long x 8' High Slide With Stainless Steel Bed	3,064.14	618.49
11 68 13 00-0017	EA	20' Long x 10' High Slide With Stainless Steel Bed	3,744.58	685.12
11 68 13 00-0018	EA	6' High, 360 Degree One Piece Molded Polyethylene Slide	7,507.26	1,077.73
11 68 13 00-0019	EA	7' High, 360 Degree Slide, Stainless Steel Bed	10,296.29	1,111.79
11 68 13 00-0020	EA	9' High, 360 Degree Slide, Stainless Steel Bed	12,762.75	1,168.53

11 68 13 00-0021 Whirlers *(11 68 13 00-0001)*

11 68 13 00-0022	EA	8' Diameter Whirler	4,674.59	742.19
11 68 13 00-0023	EA	10' Diameter Whirler	5,452.34	890.63

11 68 13 00-0024 Other Standalone Playground Equipment *(11 68 13 00-0001)*

11 68 13 00-0025 Miscellaneous Standalone Playground Equipment *(11 68 13 00-0024)*

11 68 13 00-0026	EA	Horizontal Ladder	1,434.85	198.28
11 68 13 00-0027	EA	Tether Ball Post	251.80	38.76
11 68 13 00-0028	PR	10'-6" Long Multiple Purpose Post	392.11	68.53
11 68 13 00-0029	EA	3-Person Fiberglass Golf Tee Shelter Turntable	2,747.82	193.62
11 68 13 00-0030	EA	Horizontal Turning Bars, 1 Bar	478.65	103.46
11 68 13 00-0031	EA	Horizontal Turning Bars, 2 Bars	637.15	123.67
11 68 13 00-0032	EA	Horizontal Turning Bars, 3 Bars	857.91	164.88
11 68 13 00-0033	EA	Horizontal Turning Bars, 5 Bars	1,245.61	226.72
11 68 13 00-0034	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 8' Pole	1,216.24	94.40
11 68 13 00-0035	EA	Top Goal Opening With 4 Exit Holes (One Each Side) And 10' Pole	1,337.84	101.90
11 68 13 00-0036	EA	Coil Spring With Single Riding Aluminum Saddle Devices	1,314.92	109.24
11 68 13 00-0037	EA	"C" Spring With Single Riding Aluminum Saddle Devices	1,370.08	93.98

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0038	EA	Rubber Spring With Single Riding Aluminum Saddle Devices	1,691.23	123.09
11 68 13 00-0039	EA	Coil Spring Assembly Only	345.37	45.26
11 68 13 00-0040	EA	"C" Spring Assembly Only	229.56	30.18
11 68 13 00-0041	EA	Rubber Spring Assembly Only	221.08	58.86
11 68 13 00-0042	EA	Footbuck Assembly Only	59.72	7.91
11 68 13 00-0043	EA	Two Seat, Two Spring Action Cars (4'-8" x 2'-8")	1,487.85	113.20

11 68 13 00-0044 Freestanding Panels *(11 68 13 00-0024)*

Note: Rotomolded polyethylene.

11 68 13 00-0045	EA	Tic-Tac-Toe Panel	633.73	48.47
11 68 13 00-0046	EA	24" Bubble Panel	949.35	72.63
11 68 13 00-0047	EA	Fire Engine Panel	1,393.21	106.60
11 68 13 00-0048	EA	Flat Mirror Panel	1,114.56	85.33
11 68 13 00-0049	EA	Wavy Mirror Panel	1,649.65	126.31
11 68 13 00-0050	EA	Paint Time Panel	1,070.17	81.95
11 68 13 00-0051	EA	Phone Time Panel	759.48	58.12
11 68 13 00-0052	EA	Phone Time With Graphic Panel	759.48	58.12
11 68 13 00-0053	EA	Race Time Panel	1,331.56	101.90
11 68 13 00-0054	EA	Rescue 911 Panel	1,350.36	101.90
11 68 13 00-0055	EA	Eastern/Central/Western States Panel	727.43	55.65
11 68 13 00-0056	EA	Career People Panel	826.05	63.24
11 68 13 00-0057	EA	Solar System Panel	826.05	63.24
11 68 13 00-0058	EA	Animals Panel	826.05	63.24

11 68 13 00-0059 Freestanding Panels Uprights *(11 68 13 00-0024)*

11 68 13 00-0060	EA	3-1/2" Outside Diameter End Panel Upright	204.70	27.21
11 68 13 00-0061	EA	3-1/2" Outside Diameter 90 Degree Upright	221.77	29.43
11 68 13 00-0062	EA	3-1/2" Outside Diameter 180 Degree Upright	221.77	29.43
11 68 13 00-0063	EA	3-1/2" Outside Diameter "T-Shaped" Upright	235.99	31.33

11 68 13 00-0064 Coasters *(11 68 13 00-0024)*

11 68 13 00-0065	EA	12' Single Metal Coaster With Four Posts	4,872.01	329.78
11 68 13 00-0066	EA	18' Single Metal Coaster With Four Posts	5,476.99	412.22
11 68 13 00-0067	EA	12' Double Metal Coaster With Four Posts	7,855.11	494.66
11 68 13 00-0068	EA	18' Double Metal Coaster With Four Posts	8,970.34	618.32

11 68 13 00-0069 Climbers *(11 68 13 00-0024)*

11 68 13 00-0070	EA	Tower Climber, 3.17' Diameter x 7.25' High	999.64	220.29
11 68 13 00-0071	EA	Arch Climber, 2' x 12' x 4.5' High	923.83	269.75
11 68 13 00-0072	EA	Arch Climber, 2' x 15' x 5.83' High	990.84	220.29
11 68 13 00-0073	EA	Arch Climber, 2' x 17' x 6.58' High	1,054.30	269.75
11 68 13 00-0074	EA	Rainbow Climber, 2' x 10'-5" x 4' High	1,118.95	220.04
11 68 13 00-0075	EA	Rainbow Climber, 2' x 10'-5" x 5' High	1,236.42	220.13
11 68 13 00-0076	EA	Rainbow Climber, 2' x 12'-5" x 6' High	1,416.32	220.13
11 68 13 00-0077	EA	Rainbow Climber, 2' x 15'-4" x 7' High	1,533.99	220.04
11 68 13 00-0078	EA	Double Level Arch Climber, 6' Wide x 12'-6" x 6' High Upper Section / 5' High Lower Section	1,845.65	257.63
11 68 13 00-0079	EA	12' Long Horizontal Ladder Climber	1,491.39	192.39
11 68 13 00-0080	EA	14' Long Horizontal Ladder Climber	1,511.19	192.39
11 68 13 00-0081	EA	16' Long Horizontal Ladder Climber	1,642.28	192.39
11 68 13 00-0082	EA	Bell Climber, 7'-5" High With Double Bars	1,588.61	247.33
11 68 13 00-0083	EA	2-Way Climber	1,341.48	198.28
11 68 13 00-0084	EA	4-Way Climber	2,053.12	198.28

11 68 13 00-0085 Swings *(11 68 13 00-0001)*

11 68 13 00-0086 Two-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0085)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0087	EA	8' High Top Rail, One Section Two Seats	1,312.67	302.90
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*149.65*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*157.56*	
11 68 13 00-0088	EA	8' High Top Rail, Two Sections Four Seats	2,077.57	433.43
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*238.05*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*255.33*	
11 68 13 00-0089	EA	8' High Top Rail, Three Sections, Six Seats	2,880.07	637.79
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*329.63*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*352.10*	
11 68 13 00-0090	EA	8' High Top Rail, Four Sections, Eight Seats	3,597.23	742.19
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*412.54*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*443.93*	
11 68 13 00-0091	EA	10' High Top Rail, One Section Two Seats	1,388.50	302.90
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*159.13*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*170.83*	
11 68 13 00-0092	EA	10' High Top Rail, Two Section Four Seats	2,184.76	461.64
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*249.38*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*263.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 13 00-0093	EA	10' High Top Rail, Three Sections, Six Seats	3,034.34	716.86
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*345.14*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*360.26*	
11 68 13 00-0094	EA	10' High Top Rail, Four Sections, Eight Seats	3,995.87	865.89
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*456.17*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*482.72*	

11 68 13 00-0095 Three-Leg-End Swings, 2-3/8" Diameter Galvanized Steel Top Rail *(11 68 13 00-0085)*

Note: Legs, 1-7/8" diameter, traditional.

11 68 13 00-0096	EA	8' High Top Rail, One Section, Two Seats	1,464.42	267.52
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*169.68*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*189.39*	
11 68 13 00-0097	EA	8' High Top Rail, Two Sections, Four Seats	2,125.38	388.17
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*246.27*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*274.91*	
11 68 13 00-0098	EA	8' High Top Rail, Three Sections, Six Seats	2,836.32	519.12
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*328.58*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*366.58*	
11 68 13 00-0099	EA	8' High Top Rail, Four Sections, Eight Seats	3,525.71	618.49
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*409.79*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*462.36*	
11 68 13 00-0100	EA	10' High Top Rail, One Section, Two Seats	1,651.30	301.49
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*191.34*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*213.61*	
11 68 13 00-0101	EA	10' High Top Rail, One Section Three Seats	1,718.47	319.72
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*199.58*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*224.58*	
11 68 13 00-0102	EA	10' High Top Rail, Two Sections, Four Seats	2,306.05	422.06
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*267.15*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*298.04*	
11 68 13 00-0103	EA	10' High Top Rail, Two Sections, Six Seats	2,747.21	486.54
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*320.22*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*364.87*	
11 68 13 00-0104	EA	10' High Top Rail, Three Section, Six Seats	3,069.42	561.51
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*355.60*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*396.77*	
11 68 13 00-0105	EA	10' High Top Rail, Three Sections, Nine Seats	3,773.19	618.73
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*440.72*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*505.66*	
11 68 13 00-0106	EA	10' High Top Rail, Four Section, Eight Seats	3,911.59	742.19
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*451.83*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*498.94*	
11 68 13 00-0107	EA	12' High Top Rail, One Section Three Seats	1,793.34	327.46
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*208.57*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*235.83*	
11 68 13 00-0108	EA	12' High Top Rail, Two Sections, Six Seats	2,913.89	526.87
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*339.14*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*384.44*	
11 68 13 00-0109	EA	12' High Top Rail, Three Sections, Nine Seats	4,301.72	843.86
		For Extra Heavy Duty, 3-1/2" Outside Diameter Top Pipe With 2-3/8" Outside Diameter Support Pipe, Add	*496.48*	
		For Contemporary Design With 2-3/8" Outside Diameter Support Pipe, Add	*546.64*	

11 68 13 00-0110 Swing Accessories *(11 68 13 00-0085)*

11 68 13 00-0111	EA	Enclosed Tot Seat With Chain And Hardware	396.41	24.83
11 68 13 00-0112	EA	Bucket Seat With Chain And Hardware	329.55	20.65
11 68 13 00-0113	EA	Belt Seat With Chain And Hardware	351.04	22.05
11 68 13 00-0114	EA	Seat With Chain And Hardware	346.26	21.72
11 68 13 00-0115	EA	Wide Seat With Chain And Hardware	365.50	22.95
11 68 13 00-0116	EA	Handi Seat With Chain And Hardware	1,091.33	68.44
11 68 13 00-0117	LF	0.4 LB/LF Replacement Chain	4.69	0.49
11 68 13 00-0118	LF	1 LB/LF Replacement Chain	8.74	0.98
11 68 13 00-0119	EA	Swing Hanger Replacement	51.07	5.65

11 68 23 Exterior Court Athletic Equipment *(11 68)*

11 68 23 13 Exterior Basketball Equipment *(11 68 23)*

11 68 23 13-0001 Basketball Systems *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0002	EA	4-1/2" Bent Post Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Steel Net Basketball System	1,708.56	208.82
		Note: Sportsplay 541-616.		
11 68 23 13-0003	EA	5-9/16" Bent Post Galvanized Steel Pole With 6' Extension Style, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	3,180.77	229.69
		Note: Porter Athletic 176-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 68 23 13-0004	EA	4-1/2" Galvanized Steel Pole With 4' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,275.22	208.82
		Note: Porter Athletic 164-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0005	EA	4-1/2" Galvanized Steel Pole With 6' Extension, Aluminum Backboard, Double Rim Goal And Nylon Net Basketball System	2,813.01	229.69
		Note: Porter Athletic 166-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	*-133.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*350.00*	
11 68 23 13-0006	EA	Back To Back 4-1/2" Galvanized Steel Pole With 4' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System	3,594.90	307.08
		Note: Porter Athletic 184-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	
11 68 23 13-0007	EA	Back To Back 5-9/16" Galvanized Steel Pole With 6' Extensions, Aluminum Backboards, Double Rim Goals And Nylon Net Double Basketball System	4,681.09	337.79
		Note: Porter Athletic 186-234.		
		For Fan Shaped Fiberglass Backboard, Deduct	*-498.00*	
		For 42" x 72" Perforated Steel Backboard, Add	*700.00*	

11 68 23 13-0008 Basketball Components *(11 68 23 13)*

See CSI section 32 31 13 13-0001 for auguring holes and concrete.

11 68 23 13-0009	EA	Nylon Cord Basketball Net (Porter Athletic 09608120)	30.46	8.25
11 68 23 13-0010	EA	Chain Basketball Net (Porter Athletic 00161000)	50.02	8.25
11 68 23 13-0011	EA	Heavy Duty Goal Ring (Porter Athletic 00235000)	125.30	41.23
11 68 23 13-0012	EA	Goal Ring For Steel Net (Porter Athletic 00251H00)	237.09	18.55
11 68 23 13-0013	EA	42" x 72" Rectangular Fully Tempered Glass Basketball Backboard With Steel Frame (Porter Athletic 00204-000)	1,008.29	35.04
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0014	EA	42" x 72" Rectangular 11 Gauge Perforated Steel Basketball Backboard (Porter Athletic 01207-300)	1,075.40	35.04
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0015	EA	54" x 39" Fan Shaped Cast Aluminum Basketball Backboard (Porter Athletic 00234-300)	771.86	30.92
		Note: Includes perimeter and target markings. Excludes pole and goal.		
11 68 23 13-0016	EA	54" x 39" Fan Shaped Fiberglass Basketball Backboard (Porter Athletic 00267-000)	583.95	30.92
		Note: Includes perimeter and target markings. Excludes pole and goal.		

11 68 23 33 Tennis Equipment *(11 68 23)*

11 68 23 33-0001 Tennis Court Net Posts *(11 68 23 33)*

11 68 23 33-0002	PR	Round, Powder Coated Steel, Tennis Court Net Posts With External Winder	925.70	140.19
11 68 23 33-0003	PR	Round, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,123.02	140.19
11 68 23 33-0004	PR	Square, Powder Coated Steel, Tennis Court Net Posts With Internal Brass Winder	1,155.91	140.19
11 68 23 33-0005	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With External Winder	1,212.78	140.19
11 68 23 33-0006	PR	Round, Powder Coated Aluminum, Tennis Court Net Posts With Internal Winder	1,415.28	140.19
11 68 23 33-0007	PR	Polyvinyl Chloride (PVC) Ground Sleeves For Tennis Court Net Posts	229.06	
11 68 23 33-0008	PR	Galvanized Steel Ground Sleeves For Tennis Court Net Posts	253.64	

11 68 23 33-0009 Tennis Court Nets *(11 68 23 33)*

11 68 23 33-0010	EA	42' Length, Single Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	461.48	138.54
11 68 23 33-0011	EA	42' Length, Double Top, Vinyl Headband, Polyethylene Net Body, Tennis Court Net	500.72	138.54
11 68 23 33-0012	EA	42' Length, Anti-Vandal, Aluminum Coated Flexible Steel Mesh, Tennis Court Net	1,044.30	213.17
11 68 23 33-0013	EA	Galvanized Steel Anchor For Tennis Court Net Center Strap	61.68	

11 68 33 Athletic Field Equipment *(11 68)*

11 68 33 13 Football Field Equipment *(11 68 33)*

11 68 33 13-0001 Football Goal Posts *(11 68 33 13)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 13-0002	PR	Double Steel Football Goal Posts, "H Shape"	3,677.87	370.99
11 68 33 13-0003	PR	Vertical Style Goal Post, Single In Ground Mounting, Steel With 20' Uprights	5,117.96	500.57
11 68 33 13-0004	PR	Gooseneck (Offset) Style Goal Post, Single In Ground Mounting, Steel, With 20' Uprights	6,114.76	600.69

11 68 33 23 Soccer and Field Hockey Equipment *(11 68 33)*

11 68 33 23-0001 Soccer Goal Posts *(11 68 33 23)*

Note: Includes augering for post(s), set in concrete and backfill.

11 68 33 23-0002	PR	Regulation Soccer Goal Posts	3,453.82	247.40
11 68 33 23-0003	PR	Combination Football/Soccer Goal Post	4,173.66	370.99

11 68 33 33 Baseball Field Equipment *(11 68 33)*

11 68 33 33-0001 Bases *(11 68 33 33)*

11 68 33 33-0002	SET	Bases For Baseball Or Softball	389.81	

11 80 Facility Maintenance and Operation Equipment *(11)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

11 81 Maintenance Equipment *(11 80)*

11 81 29 Facility Fall Protection *(11 81)*

11 81 29 00-0001 Safety And Tie-Back Anchors *(11 81 29)*

Note: One cut sheet charge required per manufacturer order. Excludes flashing and testing by engineer after installation. See CSI section 01 22 20 00-0059 for engineering testing and inspection.

11 81 29 00-0002 Roof Mounted, Safety And Tie-Back Anchors *(11 81 29 00-0001)*

Note: Includes up to 10" high, 0.216" thick hollow structural section tube, 1018 steel forged pad eye, 8" x 8" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0003	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	540.15	69.68
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0004	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	467.70	69.68
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	
11 81 29 00-0005	EA	Up To 10" High, 0.216" Thick, Hollow Structural Section Tube, 1018 Steel Forged Pad Eye, 8" x 8" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Roof Mounted, Safety And Tie-Back Anchor (Summit Anchor)	351.89	71.13
		For Stainless Steel Pad Eye, Add	*40.00*	
		For Foam Insulation Filled HSS Tube, Add	*10.00*	

11 81 29 00-0006 Wall Mounted, Safety And Tie-Back Anchor *(11 81 29 00-0001)*

Note: Includes 1018 steel forged pad eye, 10" x 4" x 1/2" base plate and hot-dipped galvanized finish.

11 81 29 00-0007	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Mechanically Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	382.51	69.68
		Note: Includes drilling in concrete, anchor bolts and bottom plate or plates.		
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0008	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Epoxy Fastened, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	347.33	69.68
		Note: Includes drilling in concrete and adhesive anchor systems.		
		For Stainless Steel Pad Eye, Add	*40.00*	
11 81 29 00-0009	EA	Steel Forged Pad Eye (1018), 10" x 4" x 1/2" Base Plate And Hot-Dipped Galvanized Finish, Welded In Place, Wall Mounted, Safety And Tie-Back Anchor (Summit Anchor)	313.07	71.13
		For Stainless Steel Pad Eye, Add	*40.00*	

11 81 29 00-0010 Safety And Tie-Back Anchor Accessories *(11 81 29 00-0001)*

11 81 29 00-0011	EA	Mandatory Cut Sheets For Safety And Tie-Back Anchors (Summit Anchor)	282.32	
		Note: One cut sheet required per order.		

11 82 Facility Solid Waste Handling Equipment *(11 80)*

11 82 19 Packaged Incinerators *(11 82)*

11 82 19 00-0001 Electric Incinerator *(11 82 19)*

11 82 19 00-0002	EA	Electric Package Incinerator, 100 LB/Hour	26,234.07	993.85
11 82 19 00-0003	EA	Electric Package Incinerator, 400 LB/Hour	53,650.73	1,987.72
11 82 19 00-0004	EA	Electric Package Incinerator, 1,000 LB/Hour	179,153.77	2,981.57

11 82 26 Facility Waste Compactors *(11 82)*

11 82 26 00-0001 110 Volt Compactors *(11 82 26)*

11 82 26 00-0002	EA	Waste Compactor, 110 Volt At 75 LB/Hour	14,136.12	445.35
11 82 26 00-0003	EA	Waste Compactor, 110 Volt At 250 LB/Hour	17,896.57	1,068.83

11 82 26 00-0004 230 Volt Compactors *(11 82 26)*

11 82 26 00-0005	EA	Waste Compactor, 230 Volt At 600 LB/Hour Hand Fed	17,977.91	1,425.11
11 82 26 00-0006	EA	Waste Compactor, 230 Volt At 600 LB/Hour Chute Fed	20,359.09	1,870.45

11 82 26 00-0007 Trash Compactors *(11 82 26)*

11 82 26 00-0008	EA	Trash Compactor, Small	2,970.05	278.77
11 82 26 00-0009	EA	Trash Compactor, Large	3,650.59	315.47

11 90 Other Equipment *(11)*

11 97 Security Equipment *(11 90)*

11 97 26 Detention Gun Lockers *(11 97)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 97 26 00-0001		**Hinged Door Gun Lock** *(11 97 26)* Note: Two keys per locker with one master.		
11 97 26 00-0002	EA	8 Compartment Pistol Locker, 20-1/8" High x 15-1/8" Wide x 17-1/4" Deep, Double Welded 20 Gauge Steel Body, 10 Gauge Steel Door	2,440.00	47.86
11 97 26 00-0003		**Hinged-Door Gun Locker** *(11 97 26)* Note: Includes master key for each set of 4 compartments, two keys per compartment.		
11 97 26 00-0004	EA	4 Compartment Pistol Locker, 11-1/4" High x 16-1/4" Wide x 16-3/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	955.50	33.51
11 97 26 00-0005	EA	8 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	2,169.57	47.86
11 97 26 00-0006	EA	16 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	3,966.31	57.43
11 97 26 00-0007	EA	24 Compartment Pistol Locker, 11-1/2" High x 32-3/4" Wide x 17-1/4" Deep, 16 Gauge, Foam Filled, Painted With Powder Coat Finish	5,743.91	57.43

11 98 Detention Equipment *(11 90)*

11 98 12 Detention Doors and Frames *(11 98)*

11 98 12 00-0001		**Metal Frames** *(11 98 12)* Note: Combination buck, jamb, and trim, fully seam welded.		
11 98 12 00-0002		**Metal Frames 4-3/4" Depth x 7 Gauge x 1-3/4"** *(11 98 12 00-0001)*		
11 98 12 00-0003	EA	2' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	459.36	145.12
11 98 12 00-0004	EA	2'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	459.36	145.12
11 98 12 00-0005	EA	2'-6" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	459.36	145.12
11 98 12 00-0006	EA	2'-8" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	459.36	145.12
11 98 12 00-0007	EA	3' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	462.67	145.12
11 98 12 00-0008	EA	3'-4" x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	462.67	145.12
11 98 12 00-0009	EA	6' x 6'-8" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	670.02	232.26
11 98 12 00-0010	EA	2' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0011	EA	2'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0012	EA	2'-6" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0013	EA	2'-8" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	479.25	145.12
11 98 12 00-0014	EA	3' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	576.03	193.52
11 98 12 00-0015	EA	3'-4" x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	576.03	193.52
11 98 12 00-0016	EA	6' x 7' x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	689.90	232.26
11 98 12 00-0017	EA	2' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0018	EA	2'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0019	EA	2'-6" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0020	EA	2'-8" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0021	EA	3' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	472.62	145.12
11 98 12 00-0022	EA	3'-4" x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	472.62	145.12
11 98 12 00-0023	EA	6' x 7'-2" x 4-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	679.96	232.26
11 98 12 00-0024		**Metal Frames 6-3/4" Depth x 7 Gauge x 1-3/4"** *(11 98 12 00-0001)*		
11 98 12 00-0025	EA	2' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0026	EA	2'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0027	EA	2'-6" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0028	EA	2'-8" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0029	EA	3' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	475.92	145.12
11 98 12 00-0030	EA	3'-4" x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	475.92	145.12
11 98 12 00-0031	EA	6' x 6'-8" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	679.96	232.26
11 98 12 00-0032	EA	2' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0033	EA	2'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	469.30	145.12
11 98 12 00-0034	EA	2'-6" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	479.24	145.12
11 98 12 00-0035	EA	2'-8" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	479.24	145.12
11 98 12 00-0036	EA	3' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	576.02	193.52
11 98 12 00-0037	EA	3'-4" x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	576.02	193.52
11 98 12 00-0038	EA	6' x 7' x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	812.68	257.90
11 98 12 00-0039	EA	2' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	479.24	145.12
11 98 12 00-0040	EA	2'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	479.24	145.12
11 98 12 00-0041	EA	2'-6" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	479.24	145.12
11 98 12 00-0042	EA	2'-8" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	479.24	145.12
11 98 12 00-0043	EA	3' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	482.55	145.12
11 98 12 00-0044	EA	3'-4" x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	482.55	145.12
11 98 12 00-0045	EA	6' x 7'-2" x 6-3/4" Deep Metal Door Frame 7 Gauge Frame For 1-3/4" Detention Door	689.90	232.26
11 98 12 00-0046		**Metal Detention Doors** *(11 98 12)* Note: Flush type reinforced with stiffeners.		
11 98 12 00-0047		**10 Gauge 1-3/4" Metal Detention Door** *(11 98 12 00-0046)*		
11 98 12 00-0048	EA	2' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	614.84	51.57
11 98 12 00-0049	EA	2'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	622.16	51.57
11 98 12 00-0050	EA	2'-6" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	629.46	51.57
11 98 12 00-0051	EA	2'-8" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	636.77	51.57
11 98 12 00-0052	EA	3' x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	644.08	51.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
11 98 12 00-0053	EA	3'-4" x 6'-8" x 1-3/4" 10 Gauge Metal Detention Door	680.63	51.57
11 98 12 00-0054	EA	2' x 7' x 1-3/4" 10 Gauge Metal Detention Door	660.31	51.57
11 98 12 00-0055	EA	2'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	667.90	51.57
11 98 12 00-0056	EA	2'-6" x 7' x 1-3/4" 10 Gauge Metal Detention Door	672.68	51.57
11 98 12 00-0057	EA	2'-8" x 7' x 1-3/4" 10 Gauge Metal Detention Door	739.24	51.57
11 98 12 00-0058	EA	3' x 7' x 1-3/4" 10 Gauge Metal Detention Door	899.89	51.57
11 98 12 00-0059	EA	3'-4" x 7' x 1-3/4" 10 Gauge Metal Detention Door	982.53	51.57
11 98 12 00-0060	EA	2' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	640.42	51.57
11 98 12 00-0061	EA	2'-4" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	647.73	51.57
11 98 12 00-0062	EA	2'-6" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	655.04	51.57
11 98 12 00-0063	EA	2'-8" x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	662.35	51.57
11 98 12 00-0064	EA	3' x 7'-2" x 1-3/4" 10 Gauge Metal Detention Door	669.66	51.57
11 98 12 00-0065	EA	3'-4" x 7-2" x 1-3/4" 10 Gauge Metal Detention Door	706.20	51.57

11 98 12 00-0066 Pneumatic Door Operators *(11 98 12)*

11 98 12 00-0067	EA	Pneumatic Detention Cell Entry Door Operator With Hardware Set	4,599.29	
11 98 12 00-0068	EA	Pneumatic Special Housing Detention Cell Door Operator With Hardware Set	5,108.63	
11 98 12 00-0069	EA	Pneumatic MS Detention Cell Door Operator With Hardware Set	6,648.84	
11 98 12 00-0070	EA	Pneumatic Sally Port Detention Door Operator With Hardware Set	7,781.97	
11 98 12 00-0071	EA	Pneumatic Corridor Detention Door Operator With Hardware Set	9,883.30	
11 98 12 00-0072	EA	Emergency Release Cabinet With Seven Gallon Storage Tank, Check Valve, Pressure Gauge, Three Way Valves And Four Release Valves	4,809.37	

11 98 12 00-0073 Security Doors And Frame Assembly *(11 98 12)*

11 98 12 00-0074	EA	2'-6" x 6'-8", 7 Gauge Flat Door With 7 Gauge Reinforcement Plate, Security Detention Doors And Frames Note: Complete, with hardware, single plate.	10,152.20	392.70
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	
11 98 12 00-0075	EA	2'-6" x 6'-8", 7 Gauge Flat Door With Double 7 Gauge Reinforcement Plate, Security Detention Doors And Frames Note: Complete, with hardware, double plate.	12,351.12	390.17
		For 5" x 15-1/2" Opening Food Pass Assembly, Add	*105.00*	

11 98 14 Detention Door Hardware *(11 98)*

11 98 14 00-0001 Prison Deadlocks and Deadlatches *(11 98 14)*

11 98 14 00-0002	EA	115 Volt AC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	2,686.81	95.17
11 98 14 00-0003	EA	115 Volt AC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	3,378.00	95.17
11 98 14 00-0004	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-1)	2,864.79	95.17
11 98 14 00-0005	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor-Operated Deadlatch, For Swinging Doors (Southern Folger 10120AM-2)	3,467.03	95.17
11 98 14 00-0006	EA	24 Volt DC, Keyed One Side, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-1)	1,481.10	69.64
11 98 14 00-0007	EA	24 Volt DC, Keyed Both Sides, Jamb Mounted, Motor Operated Electro-Mechanical Deadlatch, For Swinging Doors (Southern Folger 10300M-2)	1,749.47	69.64

11 98 21 Detention Windows *(11 98)*

11 98 21 00-0001 Visitor Cubicle *(11 98 21)*

Note: Excludes glazing.

11 98 21 00-0002	EA	Detention Visitor Cubicle, Vision Panel, No Intercom	7,933.63	780.44

END OF SECTION 11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 Furnishings

12 01 Operation and Maintenance of Furnishings (12)

12 01 60 Operation and Maintenance of Multiple Seating (12 01)

12 01 60 00-0001 Repair Fixed Auditorium Seating (12 01 60)

12 01 60 00-0002	EA	Removal And Replacement Of Hardwood/Plywood Auditorium Seat Part	132.57	
12 01 60 00-0003	EA	Removal And Replacement Of Auditorium Seat Armrest Part	63.23	
12 01 60 00-0004	EA	Removal And Replacement Of End Armrest Part	86.42	
12 01 60 00-0005	EA	Removal And Replacement Of Auditorium Seat Kick Plate Part	96.14	
12 01 60 00-0006	EA	Removal And Replacement Of Auditorium Seat Long Back Part	159.04	
12 01 60 00-0007	EA	Removal And Replacement Of Auditorium Seat Center Standard Part	123.21	
12 01 60 00-0008	EA	Removal And Replacement Of Auditorium Seat Back Bracket Part	53.60	
12 01 60 00-0009	EA	Removal And Replacement Of Auditorium Seat Bracket Part	55.73	
12 01 60 00-0010	EA	Secure Seat To Floor	51.95	
12 01 60 00-0011	EA	Removal And Reinstallation Of Existing Auditorium Seat In Concrete Floor	61.56	
		Note: Includes drilling and fasteners.		
		For Epoxy Anchoring, Add	*18.03*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	
12 01 60 00-0012	EA	Reupholster Auditorium Seat And Back	162.34	
		Note: Includes removal of existing upholstery.		

12 20 Window Treatments (12)

12 21 Window Blinds (12 20)

12 21 13 Horizontal Louver Blinds (12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 13 13 Metal Horizontal Louver Blinds (12 21 13)

12 21 13 13-0001 Aluminum Horizontal Louver Blinds (12 21 13 13)

12 21 13 13-0002	SF	1/2" x 0.006" Slats, Aluminum Horizontal Louver Blinds	10.79	0.83
12 21 13 13-0003	SF	1" x 0.006" Slats, Aluminum Horizontal Louver Blinds	8.82	0.83
12 21 13 13-0004	SF	1" x 0.008" Slats, Aluminum Horizontal Louver Blinds	9.58	0.83
12 21 13 13-0005	SF	2" x 0.008" Slats, Aluminum Horizontal Louver Blinds	11.10	0.83

12 21 13 33 Plastic Horizontal Louver Blinds (12 21 13)

12 21 13 33-0001 Vinyl Horizontal Louver Blinds (12 21 13 33)

12 21 13 33-0002	SF	1" Slats, Vinyl Horizontal Louver Blinds	9.12	0.83
12 21 13 33-0003	SF	2" Slats, Vinyl Horizontal Louver Blinds	10.56	0.83

12 21 16 Vertical Louver Blinds (12 21)

Note: Includes headrail, brackets, cords and all hardware.

12 21 16 13 Metal Vertical Louver Blinds (12 21 16)

12 21 16 13-0001 Aluminum Vertical Louver Blinds (12 21 16 13)

12 21 16 13-0002	SF	3-1/2" x 0.008" Slats, Aluminum Vertical Louver Blinds	12.47	1.76

12 21 16 33 Plastic Vertical Louver Blinds (12 21 16)

12 21 16 33-0001 Vinyl Vertical Louver Blinds (12 21 16 33)

12 21 16 33-0002	SF	2" Slats, Vinyl Vertical Louver Blinds	7.97	1.76
12 21 16 33-0003	SF	3-1/2" Slats, Vinyl Vertical Louver Blinds	11.25	1.76

12 22 Curtains and Drapes (12 20)

12 22 13 Draperies (12 22)

12 22 13 00-0001 Lined Draperies (12 22 13)

Note: Width dimensions are the panel width at top excluding returns and overlaps.

12 22 13 00-0002 Up To 48" Wide Lined Draperies (12 22 13 00-0001)

12 22 13 00-0003	EA	Up To 39" Long, Up To 48" Wide Lined Draperies	289.44	11.62
12 22 13 00-0004	EA	>39" To 63" Long, Up To 48" Wide Lined Draperies	301.40	11.62
12 22 13 00-0005	EA	>63" To 72" Long, Up To 48" Wide Lined Draperies	320.84	11.62
12 22 13 00-0006	EA	>72" To 81" Long, Up To 48" Wide Lined Draperies	328.32	11.62
12 22 13 00-0007	EA	>81" To 90" Long, Up To 48" Wide Lined Draperies	346.27	11.62
12 22 13 00-0008	EA	>90" To 99" Long, Up To 48" Wide Lined Draperies	370.20	11.62
12 22 13 00-0009	EA	>99" To 108" Long, Up To 48" Wide Lined Draperies	385.16	11.62
12 22 13 00-0010	EA	>108" To 120" Long, Up To 48" Wide Lined Draperies	406.09	11.62

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0011	EA	>120" To 130" Long, Up To 48" Wide Lined Draperies	439.00	11.62

12 22 13 00-0012 >48" To 72" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0013	EA	Up To 39" Long, >48" To 72" Wide Lined Draperies	420.45	15.79
12 22 13 00-0014	EA	>39" To 63" Long, >48" To 72" Wide Lined Draperies	447.37	15.79
12 22 13 00-0015	EA	>63" To 72" Long, >48" To 72" Wide Lined Draperies	468.30	15.79
12 22 13 00-0016	EA	>72" To 81" Long, >48" To 72" Wide Lined Draperies	486.25	15.79
12 22 13 00-0017	EA	>81" To 90" Long, >48" To 72" Wide Lined Draperies	528.13	15.79
12 22 13 00-0018	EA	>90" To 99" Long, >48" To 72" Wide Lined Draperies	549.07	15.79
12 22 13 00-0019	EA	>99" To 108" Long, >48" To 72" Wide Lined Draperies	567.01	15.79
12 22 13 00-0020	EA	>108" To 120" Long, >48" To 72" Wide Lined Draperies	605.90	15.79
12 22 13 00-0021	EA	>120" To 130" Long, >48" To 72" Wide Lined Draperies	647.78	15.79

12 22 13 00-0022 >72" To 96" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0023	EA	Up To 39" Long, >72" To 96" Wide Lined Draperies	557.43	19.98
12 22 13 00-0024	EA	>39" To 63" Long, >72" To 96" Wide Lined Draperies	596.31	19.98
12 22 13 00-0025	EA	>63" To 72" Long, >72" To 96" Wide Lined Draperies	614.26	19.98
12 22 13 00-0026	EA	>72" To 81" Long, >72" To 96" Wide Lined Draperies	656.14	19.98
12 22 13 00-0027	EA	>81" To 90" Long, >72" To 96" Wide Lined Draperies	695.02	19.98
12 22 13 00-0028	EA	>90" To 99" Long, >72" To 96" Wide Lined Draperies	733.91	19.98
12 22 13 00-0029	EA	>99" To 108" Long, >72" To 96" Wide Lined Draperies	754.85	19.98
12 22 13 00-0030	EA	>108" To 120" Long, >72" To 96" Wide Lined Draperies	796.72	19.98
12 22 13 00-0031	EA	>120" To 130" Long, >72" To 96" Wide Lined Draperies	853.55	19.98

12 22 13 00-0032 >96" To 120" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0033	EA	Up To 39" Long, >96" To 120" Wide Lined Draperies	703.38	24.16
12 22 13 00-0034	EA	>39" To 63" Long, >96" To 120" Wide Lined Draperies	742.27	24.16
12 22 13 00-0035	EA	>63" To 72" Long, >96" To 120" Wide Lined Draperies	763.21	24.16
12 22 13 00-0036	EA	>72" To 81" Long, >96" To 120" Wide Lined Draperies	823.03	24.16
12 22 13 00-0037	EA	>81" To 90" Long, >96" To 120" Wide Lined Draperies	861.91	24.16
12 22 13 00-0038	EA	>90" To 99" Long, >96" To 120" Wide Lined Draperies	903.79	24.16
12 22 13 00-0039	EA	>99" To 108" Long, >96" To 120" Wide Lined Draperies	868.23	24.16
12 22 13 00-0040	EA	>108" To 120" Long, >96" To 120" Wide Lined Draperies	1,005.49	24.16
12 22 13 00-0041	EA	>120" To 130" Long, >96" To 120" Wide Lined Draperies	1,035.40	24.16

12 22 13 00-0042 >120" To 144" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0043	EA	Up To 39" Long, >120" To 144" Wide Lined Draperies	831.39	28.33
12 22 13 00-0044	EA	>39" To 63" Long, >120" To 144" Wide Lined Draperies	888.22	28.33
12 22 13 00-0045	EA	>63" To 72" Long, >120" To 144" Wide Lined Draperies	909.16	28.33
12 22 13 00-0046	EA	>72" To 81" Long, >120" To 144" Wide Lined Draperies	968.99	28.33
12 22 13 00-0047	EA	>81" To 90" Long, >120" To 144" Wide Lined Draperies	1,028.81	28.33
12 22 13 00-0048	EA	>90" To 99" Long, >120" To 144" Wide Lined Draperies	1,088.63	28.33
12 22 13 00-0049	EA	>99" To 108" Long, >120" To 144" Wide Lined Draperies	1,148.46	28.33
12 22 13 00-0050	EA	>108" To 120" Long, >120" To 144" Wide Lined Draperies	1,208.28	28.33
12 22 13 00-0051	EA	>120" To 130" Long, >120" To 144" Wide Lined Draperies	1,283.06	28.33

12 22 13 00-0052 >144" To 168" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0053	EA	Up To 39" Long, >144" To 168" Wide Lined Draperies	977.35	32.52
12 22 13 00-0054	EA	>39" To 63" Long, >144" To 168" Wide Lined Draperies	1,037.17	32.52
12 22 13 00-0055	EA	>63" To 72" Long, >144" To 168" Wide Lined Draperies	1,082.04	32.52
12 22 13 00-0056	EA	>72" To 81" Long, >144" To 168" Wide Lined Draperies	1,141.86	32.52
12 22 13 00-0057	EA	>81" To 90" Long, >144" To 168" Wide Lined Draperies	1,201.68	32.52
12 22 13 00-0058	EA	>90" To 99" Long, >144" To 168" Wide Lined Draperies	1,276.47	32.52
12 22 13 00-0059	EA	>99" To 108" Long, >144" To 168" Wide Lined Draperies	1,336.29	32.52
12 22 13 00-0060	EA	>108" To 120" Long, >144" To 168" Wide Lined Draperies	1,396.11	32.52
12 22 13 00-0061	EA	>120" To 130" Long, >144" To 168" Wide Lined Draperies	1,500.80	32.52

12 22 13 00-0062 >168" To 192" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0063	EA	Up To 39" Long, >168" To 192" Wide Lined Draperies	1,105.36	36.69
12 22 13 00-0064	EA	>39" To 63" Long, >168" To 192" Wide Lined Draperies	1,180.14	36.69
12 22 13 00-0065	EA	>63" To 72" Long, >168" To 192" Wide Lined Draperies	1,225.01	36.69
12 22 13 00-0066	EA	>72" To 81" Long, >168" To 192" Wide Lined Draperies	1,299.79	36.69
12 22 13 00-0067	EA	>81" To 90" Long, >168" To 192" Wide Lined Draperies	1,359.61	36.69
12 22 13 00-0068	EA	>90" To 99" Long, >168" To 192" Wide Lined Draperies	1,434.39	36.69
12 22 13 00-0069	EA	>99" To 108" Long, >168" To 192" Wide Lined Draperies	1,554.04	36.69
12 22 13 00-0070	EA	>108" To 120" Long, >168" To 192" Wide Lined Draperies	1,598.91	36.69
12 22 13 00-0071	EA	>120" To 130" Long, >168" To 192" Wide Lined Draperies	1,703.60	36.69

12 22 13 00-0072 >192" To 216" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0073	EA	Up To 39" Long, >192" To 216" Wide Lined Draperies	1,248.33	40.88
12 22 13 00-0074	EA	>39" To 63" Long, >192" To 216" Wide Lined Draperies	1,308.15	40.88
12 22 13 00-0075	EA	>63" To 72" Long, >192" To 216" Wide Lined Draperies	1,367.97	40.88
12 22 13 00-0076	EA	>72" To 81" Long, >192" To 216" Wide Lined Draperies	1,457.71	40.88

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 22 13 00-0077	EA	>81" To 90" Long, >192" To 216" Wide Lined Draperies	1,547.44	40.88
12 22 13 00-0078	EA	>90" To 99" Long, >192" To 216" Wide Lined Draperies	1,637.18	40.88
12 22 13 00-0079	EA	>99" To 108" Long, >192" To 216" Wide Lined Draperies	1,711.96	40.88
12 22 13 00-0080	EA	>108" To 120" Long, >192" To 216" Wide Lined Draperies	1,786.74	40.88
12 22 13 00-0081	EA	>120" To 130" Long, >192" To 216" Wide Lined Draperies	1,921.34	40.88

12 22 13 00-0082 >216" To 240" Wide Lined Draperies *(12 22 13 00-0001)*

12 22 13 00-0083	EA	Up To 39" Long, >216" To 240" Wide Lined Draperies	1,376.33	45.06
12 22 13 00-0084	EA	>39" To 63" Long, >216" To 240" Wide Lined Draperies	1,481.03	45.06
12 22 13 00-0085	EA	>63" To 72" Long, >216" To 240" Wide Lined Draperies	1,525.89	45.06
12 22 13 00-0086	EA	>72" To 81" Long, >216" To 240" Wide Lined Draperies	1,615.63	45.06
12 22 13 00-0087	EA	>81" To 90" Long, >216" To 240" Wide Lined Draperies	1,720.32	45.06
12 22 13 00-0088	EA	>90" To 99" Long, >216" To 240" Wide Lined Draperies	1,810.06	45.06
12 22 13 00-0089	EA	>99" To 108" Long, >216" To 240" Wide Lined Draperies	1,899.79	45.06
12 22 13 00-0090	EA	>108" To 120" Long, >216" To 240" Wide Lined Draperies	1,989.53	45.06
12 22 13 00-0091	EA	>120" To 130" Long, >216" To 240" Wide Lined Draperies	2,139.09	45.06

12 22 16 Drapery Track and Accessories *(12 22)*

12 22 16 00-0001 Metal Wall Or Ceiling Mount Drapery Tracks *(12 22 16)*

12 22 16 00-0002 Basic Traverse Rod *(12 22 16 00-0001)*

12 22 16 00-0003	EA	Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	109.93	39.50
12 22 16 00-0004	EA	Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	126.24	39.50
12 22 16 00-0005	EA	Traverse Rod, 84' To 156" Extension Metal Wall Or Ceiling Mounted Track	148.95	43.89
12 22 16 00-0006	EA	Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	199.90	43.89
12 22 16 00-0007	EA	Traverse Rod, 165" To 312" Extension Metal Wall Or Ceiling Mounted Track	208.86	48.27

12 22 16 00-0008 Traverse Rod With Stationary Curtain Rod *(12 22 16 00-0001)*

12 22 16 00-0009	EA	Tray And Curtain Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	125.56	39.50
12 22 16 00-0010	EA	Tray And Curtain Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	136.10	39.50
12 22 16 00-0011	EA	Tray And Curtain Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	173.76	43.89
12 22 16 00-0012	EA	Tray And Curtain Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	199.01	48.27

12 22 16 00-0013 Double Traverse Rod *(12 22 16 00-0001)*

12 22 16 00-0014	EA	Double Traverse Rod, 30" To 50" Extension Metal Wall Or Ceiling Mounted Track	152.42	39.50
12 22 16 00-0015	EA	Double Traverse Rod, 50" To 90" Extension Metal Wall Or Ceiling Mounted Track	184.37	39.50
12 22 16 00-0016	EA	Double Traverse Rod, 84" To 156" Extension Metal Wall Or Ceiling Mounted Track	229.67	43.89
12 22 16 00-0017	EA	Double Traverse Rod, 136" To 250" Extension Metal Wall Or Ceiling Mounted Track	248.97	48.27

12 22 16 00-0018 Curtain Rods *(12 22 16 00-0001)*

12 22 16 00-0019	LF	Standard Metal Curtain Rod, White	8.23	1.67

12 22 16 00-0020 Relocate Drapery And Rod *(12 22 16 00-0001)*

12 22 16 00-0021	LF	Relocate Any Type Of Drapery And Any Type Rod Note: Includes storage and cleaning.	26.33	

12 22 16 00-0022 Motorized Drapery Track *(12 22 16)*

12 22 16 00-0023	EA	2' To 4' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,166.98	93.66
12 22 16 00-0024	EA	>4' To 5' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,216.72	103.02
12 22 16 00-0025	EA	>5' To 6' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,266.46	112.40
12 22 16 00-0026	EA	>6' To 7' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,316.20	121.76
12 22 16 00-0027	EA	>7' To 8' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,365.95	131.13
12 22 16 00-0028	EA	>8' To 9' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,415.69	140.49
12 22 16 00-0029	EA	>9' To 10' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,465.42	149.86
12 22 16 00-0030	EA	>10' To 11' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,515.16	159.22
12 22 16 00-0031	EA	>11' To 12' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,564.91	168.59
12 22 16 00-0032	EA	>12' To 13' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,614.65	177.95
12 22 16 00-0033	EA	>13' To 14' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,664.39	187.33
12 22 16 00-0034	EA	>14' To 15' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,714.13	196.69
12 22 16 00-0035	EA	>15' To 16' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,763.88	206.06
12 22 16 00-0036	EA	>16' To 17' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,813.62	215.42
12 22 16 00-0037	EA	>17' To 18' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,863.36	224.79
12 22 16 00-0038	EA	>18' To 19' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,913.11	234.15
12 22 16 00-0039	EA	>19' To 20' Wide, Motorized Curtain Track (Somfy Glydea 60E)	1,962.85	243.52
12 22 16 00-0040	EA	>20' To 21' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,012.59	252.89
12 22 16 00-0041	EA	>21' To 22' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,062.33	262.26
12 22 16 00-0042	EA	>22' To 23' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,112.08	271.62
12 22 16 00-0043	EA	>23' To 24' Wide, Motorized Curtain Track (Somfy Glydea 60E)	2,161.82	280.99

12 23 Interior Shutters *(12 20)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0001		**Interior Plantation Shutters** *(12 23)* Note: Mixture of white pine and poplar wood, stile: 1-3/4" x 1-1/8" thick, blade: 3/8" x 2-3/8", top and bottom rail: 4" x 1-5/16" thick. 36" To 48" heights do not have center rail, 52" to 80" with center rail. Center rail: 2" x 15/16"		
12 23 00 00-0002		**12" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0003	PR	12" x 36" Plantation Shutter	235.23	28.09
12 23 00 00-0004	PR	12" x 40" Plantation Shutter	261.81	29.50
12 23 00 00-0005	PR	12" x 44" Plantation Shutter	285.94	30.91
12 23 00 00-0006	PR	12" x 48" Plantation Shutter	310.06	32.31
12 23 00 00-0007	PR	12" x 52" Plantation Shutter	334.19	33.72
12 23 00 00-0008	PR	12" x 56" Plantation Shutter	358.30	35.13
12 23 00 00-0009	PR	12" x 60" Plantation Shutter	360.18	36.53
12 23 00 00-0010	PR	12" x 64" Plantation Shutter	406.54	37.93
12 23 00 00-0011	PR	12" x 68" Plantation Shutter	430.67	39.33
12 23 00 00-0012	PR	12" x 72" Plantation Shutter	454.79	40.74
12 23 00 00-0013	PR	12" x 76" Plantation Shutter	478.91	42.15
12 23 00 00-0014	PR	12" x 80" Plantation Shutter	503.03	43.55
12 23 00 00-0015		**14" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0016	PR	14" x 36" Plantation Shutter	245.12	28.09
12 23 00 00-0017	PR	14" x 40" Plantation Shutter	271.70	29.50
12 23 00 00-0018	PR	14" x 44" Plantation Shutter	295.83	30.91
12 23 00 00-0019	PR	14" x 48" Plantation Shutter	319.95	32.31
12 23 00 00-0020	PR	14" x 52" Plantation Shutter	346.54	33.72
12 23 00 00-0021	PR	14" x 56" Plantation Shutter	370.66	35.13
12 23 00 00-0022	PR	14" x 60" Plantation Shutter	394.78	36.53
12 23 00 00-0023	PR	14" x 64" Plantation Shutter	421.37	37.93
12 23 00 00-0024	PR	14" x 68" Plantation Shutter	445.50	39.33
12 23 00 00-0025	PR	14" x 72" Plantation Shutter	469.62	40.74
12 23 00 00-0026	PR	14" x 76" Plantation Shutter	496.22	42.15
12 23 00 00-0027	PR	14" x 80" Plantation Shutter	520.34	43.55
12 23 00 00-0028		**15" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0029	PR	15" x 36" Plantation Shutter	255.01	28.09
12 23 00 00-0030	PR	15" x 40" Plantation Shutter	281.59	29.50
12 23 00 00-0031	PR	15" x 44" Plantation Shutter	305.71	30.91
12 23 00 00-0032	PR	15" x 48" Plantation Shutter	329.83	32.31
12 23 00 00-0033	PR	15" x 52" Plantation Shutter	356.42	33.72
12 23 00 00-0034	PR	15" x 56" Plantation Shutter	383.02	35.13
12 23 00 00-0035	PR	15" x 60" Plantation Shutter	409.61	36.53
12 23 00 00-0036	PR	15" x 64" Plantation Shutter	436.20	37.93
12 23 00 00-0037	PR	15" x 68" Plantation Shutter	462.80	39.33
12 23 00 00-0038	PR	15" x 72" Plantation Shutter	486.92	40.74
12 23 00 00-0039	PR	15" x 76" Plantation Shutter	513.52	42.15
12 23 00 00-0040	PR	15" x 80" Plantation Shutter	540.11	43.55
12 23 00 00-0041		**16" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0042	PR	16" x 36" Plantation Shutter	269.84	28.09
12 23 00 00-0043	PR	16" x 40" Plantation Shutter	298.89	29.50
12 23 00 00-0044	PR	16" x 44" Plantation Shutter	325.49	30.91
12 23 00 00-0045	PR	16" x 48" Plantation Shutter	354.55	32.31
12 23 00 00-0046	PR	16" x 52" Plantation Shutter	381.14	33.72
12 23 00 00-0047	PR	16" x 56" Plantation Shutter	407.74	35.13
12 23 00 00-0048	PR	16" x 60" Plantation Shutter	434.33	36.53
12 23 00 00-0049	PR	16" x 64" Plantation Shutter	465.87	37.93
12 23 00 00-0050	PR	16" x 68" Plantation Shutter	492.47	39.33
12 23 00 00-0051	PR	16" x 72" Plantation Shutter	519.06	40.74
12 23 00 00-0052	PR	16" x 76" Plantation Shutter	548.13	42.15
12 23 00 00-0053	PR	16" x 80" Plantation Shutter	574.72	43.55
12 23 00 00-0054		**18" Wide** *(12 23 00 00-0001)*		
12 23 00 00-0055	PR	18" x 36" Plantation Shutter	292.09	28.09
12 23 00 00-0056	PR	18" x 40" Plantation Shutter	321.14	29.50
12 23 00 00-0057	PR	18" x 44" Plantation Shutter	350.21	30.91
12 23 00 00-0058	PR	18" x 48" Plantation Shutter	381.75	32.31
12 23 00 00-0059	PR	18" x 52" Plantation Shutter	410.81	33.72
12 23 00 00-0060	PR	18" x 56" Plantation Shutter	442.35	35.13
12 23 00 00-0061	PR	18" x 60" Plantation Shutter	471.41	36.53
12 23 00 00-0062	PR	18" x 64" Plantation Shutter	500.48	37.93
12 23 00 00-0063	PR	18" x 68" Plantation Shutter	529.55	39.33
12 23 00 00-0064	PR	18" x 72" Plantation Shutter	561.08	40.74
12 23 00 00-0065	PR	18" x 76" Plantation Shutter	590.15	42.15
12 23 00 00-0066	PR	18" x 80" Plantation Shutter	621.69	43.55
12 23 00 00-0067		**20" Wide** *(12 23 00 00-0001)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 23 00 00-0068	PR	20" x 36" Plantation Shutter	316.81	28.09
12 23 00 00-0069	PR	20" x 40" Plantation Shutter	350.80	29.50
12 23 00 00-0070	PR	20" x 44" Plantation Shutter	382.35	30.91
12 23 00 00-0071	PR	20" x 48" Plantation Shutter	413.88	32.31
12 23 00 00-0072	PR	20" x 52" Plantation Shutter	447.89	33.72
12 23 00 00-0073	PR	20" x 56" Plantation Shutter	479.43	35.13
12 23 00 00-0074	PR	20" x 60" Plantation Shutter	513.44	36.53
12 23 00 00-0075	PR	20" x 64" Plantation Shutter	544.97	37.93
12 23 00 00-0076	PR	20" x 68" Plantation Shutter	578.99	39.33
12 23 00 00-0077	PR	20" x 72" Plantation Shutter	610.52	40.74
12 23 00 00-0078	PR	20" x 76" Plantation Shutter	644.54	42.15
12 23 00 00-0079	PR	20" x 80" Plantation Shutter	676.07	43.55

12 23 00 00-0080 22" Wide *(12 23 00 00-0001)*

12 23 00 00-0081	PR	22" x 36" Plantation Shutter	336.58	28.09
12 23 00 00-0082	PR	22" x 40" Plantation Shutter	373.05	29.50
12 23 00 00-0083	PR	22" x 44" Plantation Shutter	407.07	30.91
12 23 00 00-0084	PR	22" x 48" Plantation Shutter	4,149.09	32.31
12 23 00 00-0085	PR	22" x 52" Plantation Shutter	477.55	33.72
12 23 00 00-0086	PR	22" x 56" Plantation Shutter	511.57	35.13
12 23 00 00-0087	PR	22" x 60" Plantation Shutter	545.57	36.53
12 23 00 00-0088	PR	22" x 64" Plantation Shutter	582.05	37.93
12 23 00 00-0089	PR	22" x 68" Plantation Shutter	616.07	39.33
12 23 00 00-0090	PR	22" x 72" Plantation Shutter	652.55	40.74
12 23 00 00-0091	PR	22" x 76" Plantation Shutter	686.56	42.15
12 23 00 00-0092	PR	22" x 80" Plantation Shutter	723.04	43.55

12 23 00 00-0093 24" Wide *(12 23 00 00-0001)*

12 23 00 00-0094	PR	24" x 36" Plantation Shutter	356.36	28.09
12 23 00 00-0095	PR	24" x 40" Plantation Shutter	395.30	29.50
12 23 00 00-0096	PR	24" x 44" Plantation Shutter	431.79	30.91
12 23 00 00-0097	PR	24" x 48" Plantation Shutter	470.74	32.31
12 23 00 00-0098	PR	24" x 52" Plantation Shutter	507.22	33.72
12 23 00 00-0099	PR	24" x 56" Plantation Shutter	543.70	35.13
12 23 00 00-0100	PR	24" x 60" Plantation Shutter	580.18	36.53
12 23 00 00-0101	PR	24" x 64" Plantation Shutter	619.13	37.93
12 23 00 00-0102	PR	24" x 68" Plantation Shutter	655.62	39.33
12 23 00 00-0103	PR	24" x 72" Plantation Shutter	694.57	40.74
12 23 00 00-0104	PR	24" x 76" Plantation Shutter	731.06	42.15
12 23 00 00-0105	PR	24" x 80" Plantation Shutter	770.01	43.55

12 24 Window Shades *(12 20)*

12 24 13 Roller Window Shades *(12 24)*

12 24 13 00-0001 Roller Window Shades *(12 24 13)*

12 24 13 00-0002 Vinyl Coated Fiberglass, Roller Window Shades *(12 24 13 00-0001)*

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0003	SF	0% Openness, Blackout, Vinyl Coated Fiberglass, Roller Window Shades	13.74	0.55
12 24 13 00-0004	SF	1% To 10% Openness, Vinyl Coated Fiberglass, Roller Window Shades	13.74	0.55

12 24 13 00-0005 Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades *(12 24 13 00-0001)*

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0006	SF	0% Openness, Blackout, Polyvinyl Chloride (PVC) Free, Acrylic Backed Polyester, Roller Window Shades	17.62	0.55

12 24 13 00-0007 Vinyl Coated Polyester, Roller Window Shades *(12 24 13 00-0001)*

Note: Includes roller, brackets, and stainless steel chain operator.

12 24 13 00-0008	SF	1% To 10% Openness, Vinyl Coated Polyester, Roller Window Shades	13.74	0.55

12 24 13 00-0009 Motorized Lightproof Shades *(12 24 13)*

12 24 13 00-0010	SF	Motorized Lightproof Shades, Up To 144" Width	39.50	2.19

12 24 13 00-0011 MechoShade *(12 24 13)*

Note: Includes all hardware required for installation and stainless steel chain operator.

12 24 13 00-0012 ThermoVeil 0700 Series (Blackout) Shade *(12 24 13 00-0011)*

12 24 13 00-0013	EA	3' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	147.43	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0014	EA	3' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	179.10	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0015	EA	3' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	195.98	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0016	EA	3' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	210.17	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0017	EA	4' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	154.15	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0018	EA	4' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	189.85	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0019	EA	4' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	204.05	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0020	EA	4' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	220.93	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0021	EA	5' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	162.22	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0022	EA	5' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	201.95	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0023	EA	5' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	216.15	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0024	EA	5' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	233.03	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0025	EA	6' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	168.94	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0026	EA	6' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	214.05	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0027	EA	6' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	228.24	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0028	EA	6' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	243.78	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0029	EA	7' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	175.66	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0030	EA	7' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	226.15	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0031	EA	7' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	240.34	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0032	EA	7' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	257.23	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0033	EA	8' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	183.73	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0034	EA	8' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	239.60	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0035	EA	8' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	253.79	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0036	EA	8' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	269.32	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0037	EA	9' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	190.45	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0038	EA	9' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	251.70	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0039	EA	9' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	265.89	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0040	EA	9' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	281.42	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0041	EA	10' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	197.17	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0042	EA	10' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	263.80	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0043	EA	10' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	277.99	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0044	EA	10' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	313.69	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0045	EA	11' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	210.62	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0046	EA	11' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	286.65	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0047	EA	11' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	300.84	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0048	EA	11' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	329.82	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0049	EA	12' High x 3' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	256.33	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0050	EA	12' High x 4' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	300.09	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0051	EA	12' High x 5' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	314.29	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0052	EA	12' High x 6' Wide, 0% Openness Factor, ThermoVeil 0700 Series (Blackout) Shade	347.30	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	

12 24 13 00-0053 ThermoVeil 0900 And 3000 Series Shade *(12 24 13 00-0011)*

12 24 13 00-0054	EA	3' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	167.60	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0055	EA	3' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	205.99	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0056	EA	3' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	226.90	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0057	EA	3' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	245.13	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0058	EA	3' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	303.68	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0059	EA	3' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	316.52	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0060	EA	4' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	179.69	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0061	EA	4' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	224.81	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0062	EA	4' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	248.41	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0063	EA	4' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	267.98	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0064	EA	4' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	331.92	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0065	EA	4' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	346.10	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0066	EA	5' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	190.45	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0067	EA	5' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	244.97	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0068	EA	5' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	271.27	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0069	EA	5' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	290.84	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0070	EA	5' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	362.84	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0071	EA	5' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	377.02	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0072	EA	6' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	203.89	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0073	EA	6' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	265.14	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0074	EA	6' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	292.78	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0075	EA	6' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	315.03	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0076	EA	6' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	393.76	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0077	EA	6' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	407.94	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0078	EA	7' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	214.65	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0079	EA	7' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	282.62	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0080	EA	7' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	315.63	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0081	EA	7' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	337.89	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0082	EA	7' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	423.33	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0083	EA	7' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	506.08	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0084	EA	8' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	228.09	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0085	EA	8' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	302.78	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0086	EA	8' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	337.14	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0087	EA	8' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	360.74	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0088	EA	8' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	454.26	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0089	EA	8' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	542.38	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0090	EA	9' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	238.85	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0091	EA	9' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	321.60	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0092	EA	9' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	358.65	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0093	EA	9' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	383.60	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0094	EA	9' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	485.18	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0095	EA	9' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	573.30	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0096	EA	10' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	250.95	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0097	EA	10' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	343.12	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0098	EA	10' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	382.85	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0099	EA	10' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	407.80	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0100	EA	10' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	525.51	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0101	EA	10' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	604.22	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0102	EA	11' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	273.80	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0103	EA	11' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	367.31	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0104	EA	11' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	415.12	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0105	EA	11' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	442.75	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0106	EA	11' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	576.60	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0107	EA	11' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	655.31	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0108	EA	12' High x 3' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	332.96	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0109	EA	12' High x 4' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	391.51	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0110	EA	12' High x 5' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	444.69	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0111	EA	12' High x 6' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	472.33	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0112	EA	12' High x 7' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	602.14	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0113	EA	12' High x 8' Wide, 0 To 1% Openness Factor, ThermoVeil 0900 And 3000 Series Shade	684.89	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	

12 24 13 00-0114 EuroVeil 5100, 5200 And 5300 Series Shade *(12 24 13 00-0011)*

12 24 13 00-0115	EA	3' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	177.01	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0116	EA	3' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	192.54	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0117	EA	3' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	221.52	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0118	EA	3' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	262.60	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0119	EA	3' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	294.27	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0120	EA	3' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	323.24	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0121	EA	4' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	190.45	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0122	EA	4' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	205.99	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0123	EA	4' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	241.69	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0124	EA	4' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	290.84	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0125	EA	4' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	322.50	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0126	EA	4' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	336.69	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0127	EA	5' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	203.89	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0128	EA	5' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	218.09	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0129	EA	5' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	260.51	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0130	EA	5' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	319.07	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0131	EA	5' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	350.74	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0132	EA	5' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	364.92	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0133	EA	6' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	218.68	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0134	EA	6' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	232.87	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0135	EA	6' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	279.33	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0136	EA	6' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	347.30	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0137	EA	6' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	378.97	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0138	EA	6' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	464.40	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0139	EA	7' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	232.13	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0140	EA	7' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	246.32	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0141	EA	7' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	296.81	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0142	EA	7' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	375.53	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0143	EA	7' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	407.20	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0144	EA	7' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	492.64	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0145	EA	8' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	246.91	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0146	EA	8' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	261.11	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0147	EA	8' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	316.98	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0148	EA	8' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	403.76	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0149	EA	8' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	446.19	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0150	EA	8' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	516.84	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0151	EA	9' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	260.36	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0152	EA	9' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	273.21	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0153	EA	9' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	337.14	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0154	EA	9' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	437.37	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0155	EA	9' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	469.04	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0156	EA	9' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	545.07	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0157	EA	10' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	273.80	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0158	EA	10' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	287.99	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0159	EA	10' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	354.62	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0160	EA	10' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	461.57	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0161	EA	10' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	494.59	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0162	EA	10' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	584.06	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0163	EA	11' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	307.41	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0164	EA	11' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	321.60	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0165	EA	11' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	400.33	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0166	EA	11' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	505.94	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0167	EA	11' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	544.33	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0168	EA	11' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	628.42	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	
12 24 13 00-0169	EA	12' High x 3' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	361.19	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0170	EA	12' High x 4' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	336.39	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0171	EA	12' High x 5' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	421.84	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0172	EA	12' High x 6' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	534.17	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0173	EA	12' High x 7' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	573.91	26.14
		For Installation In Concrete Or Steel, Add	*25.94*	
		For Window Top >10' Above Finished Floor, Add	*12.97*	
12 24 13 00-0174	EA	12' High x 8' Wide, 5 To 6% Openness Factor, EuroVeil 5100, 5200 And 5300 Series Shade	656.65	29.87
		For Installation In Concrete Or Steel, Add	*29.64*	
		For Window Top >10' Above Finished Floor, Add	*14.82*	

12 24 13 00-0175 Snaplock Fascia *(12 24 13 00-0011)*

12 24 13 00-0176	EA	3' Wide Mecho Slimline, Regular Snaplock Fascia	21.21	1.86
		For Installation In Concrete Or Steel, Add	*1.85*	
		For Window Top >10' Above Finished Floor, Add	*0.93*	
12 24 13 00-0177	EA	4' Wide Mecho Slimline, Regular Snaplock Fascia	27.83	2.49
		For Installation In Concrete Or Steel, Add	*2.47*	
		For Window Top >10' Above Finished Floor, Add	*1.24*	
12 24 13 00-0178	EA	5' Wide Mecho Slimline, Regular Snaplock Fascia	34.45	3.11
		For Installation In Concrete Or Steel, Add	*3.09*	
		For Window Top >10' Above Finished Floor, Add	*1.54*	
12 24 13 00-0179	EA	6' Wide Mecho Slimline, Regular Snaplock Fascia	43.77	3.73
		For Installation In Concrete Or Steel, Add	*3.71*	
		For Window Top >10' Above Finished Floor, Add	*1.85*	
12 24 13 00-0180	EA	7' Wide Mecho Slimline, Regular Snaplock Fascia	49.04	4.35
		For Installation In Concrete Or Steel, Add	*4.32*	
		For Window Top >10' Above Finished Floor, Add	*2.16*	
12 24 13 00-0181	EA	8' Wide Mecho Slimline, Regular Snaplock Fascia	57.01	4.98
		For Installation In Concrete Or Steel, Add	*4.94*	
		For Window Top >10' Above Finished Floor, Add	*2.47*	
12 24 13 00-0182	EA	9' Wide Mecho Slimline, Regular Snaplock Fascia	64.98	5.60
		For Installation In Concrete Or Steel, Add	*5.56*	
		For Window Top >10' Above Finished Floor, Add	*2.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0183	EA	10' Wide Mecho Slimline, Regular Snaplock Fascia	71.60	6.22
		For Installation In Concrete Or Steel, Add	*6.18*	
		For Window Top >10' Above Finished Floor, Add	*3.09*	
12 24 13 00-0184	EA	11' Wide Mecho Slimline, Regular Snaplock Fascia	78.22	6.84
		For Installation In Concrete Or Steel, Add	*6.79*	
		For Window Top >10' Above Finished Floor, Add	*3.40*	
12 24 13 00-0185	EA	12' Wide Mecho Slimline, Regular Snaplock Fascia	123.84	7.47
		For Installation In Concrete Or Steel, Add	*7.41*	
		For Window Top >10' Above Finished Floor, Add	*3.71*	
12 24 13 00-0186	EA	3' Wide Mecho Extended, Regular Snaplock Fascia	38.68	1.86
		For Installation In Concrete Or Steel, Add	*1.85*	
		For Window Top >10' Above Finished Floor, Add	*0.93*	
12 24 13 00-0187	EA	4' Wide Mecho Extended, Regular Snaplock Fascia	52.03	2.49
		For Installation In Concrete Or Steel, Add	*2.47*	
		For Window Top >10' Above Finished Floor, Add	*1.24*	
12 24 13 00-0188	EA	5' Wide Mecho Extended, Regular Snaplock Fascia	64.03	3.11
		For Installation In Concrete Or Steel, Add	*3.09*	
		For Window Top >10' Above Finished Floor, Add	*1.54*	
12 24 13 00-0189	EA	6' Wide Mecho Extended, Regular Snaplock Fascia	76.03	3.73
		For Installation In Concrete Or Steel, Add	*3.71*	
		For Window Top >10' Above Finished Floor, Add	*1.85*	
12 24 13 00-0190	EA	7' Wide Mecho Extended, Regular Snaplock Fascia	89.37	4.35
		For Installation In Concrete Or Steel, Add	*4.32*	
		For Window Top >10' Above Finished Floor, Add	*2.16*	
12 24 13 00-0191	EA	8' Wide Mecho Extended, Regular Snaplock Fascia	101.38	4.98
		For Installation In Concrete Or Steel, Add	*4.94*	
		For Window Top >10' Above Finished Floor, Add	*2.47*	
12 24 13 00-0192	EA	9' Wide Mecho Extended, Regular Snaplock Fascia	114.72	5.60
		For Installation In Concrete Or Steel, Add	*5.56*	
		For Window Top >10' Above Finished Floor, Add	*2.78*	
12 24 13 00-0193	EA	10' Wide Mecho Extended, Regular Snaplock Fascia	129.41	6.22
		For Installation In Concrete Or Steel, Add	*6.18*	
		For Window Top >10' Above Finished Floor, Add	*3.09*	
12 24 13 00-0194	EA	11' Wide Mecho Extended, Regular Snaplock Fascia	140.06	6.84
		For Installation In Concrete Or Steel, Add	*6.79*	
		For Window Top >10' Above Finished Floor, Add	*3.40*	
12 24 13 00-0195	EA	12' Wide Mecho Extended, Regular Snaplock Fascia	228.70	7.47
		For Installation In Concrete Or Steel, Add	*7.41*	
		For Window Top >10' Above Finished Floor, Add	*3.71*	

12 24 13 00-0196 Room Darkening Sill And Side Channel *(12 24 13 00-0011)*

12 24 13 00-0197	EA	36" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	30.02	5.60
		For Installation In Concrete Or Steel, Add	*5.56*	
		For Window Top >10' Above Finished Floor, Add	*2.78*	
12 24 13 00-0198	EA	48" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	39.14	7.47
		For Installation In Concrete Or Steel, Add	*7.41*	
		For Window Top >10' Above Finished Floor, Add	*3.71*	
12 24 13 00-0199	EA	60" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	50.95	9.34
		For Installation In Concrete Or Steel, Add	*9.27*	
		For Window Top >10' Above Finished Floor, Add	*4.63*	
12 24 13 00-0200	EA	72" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	61.39	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0201	EA	84" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	70.51	13.07
		For Installation In Concrete Or Steel, Add	*12.97*	
		For Window Top >10' Above Finished Floor, Add	*6.49*	
12 24 13 00-0202	EA	96" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	80.96	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0203	EA	108" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	91.41	16.81
		For Installation In Concrete Or Steel, Add	*16.67*	
		For Window Top >10' Above Finished Floor, Add	*8.34*	
12 24 13 00-0204	EA	120" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	100.53	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0205	EA	132" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	109.63	20.54
		For Installation In Concrete Or Steel, Add	*20.38*	
		For Window Top >10' Above Finished Floor, Add	*10.19*	
12 24 13 00-0206	EA	144" Wide, 1-15/16" Single Mecho Room Darkening Sill And Side Channel	120.10	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0207	EA	36" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	30.02	5.60
		For Installation In Concrete Or Steel, Add	*5.56*	
		For Window Top >10' Above Finished Floor, Add	*2.78*	
12 24 13 00-0208	EA	48" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	61.99	7.47
		For Installation In Concrete Or Steel, Add	*7.41*	
		For Window Top >10' Above Finished Floor, Add	*3.71*	
12 24 13 00-0209	EA	60" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	77.83	9.34
		For Installation In Concrete Or Steel, Add	*9.27*	
		For Window Top >10' Above Finished Floor, Add	*4.63*	
12 24 13 00-0210	EA	72" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	90.96	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 24 13 00-0211	EA	84" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	108.15	13.07
		For Installation In Concrete Or Steel, Add	*12.97*	
		For Window Top >10' Above Finished Floor, Add	*6.49*	
12 24 13 00-0212	EA	96" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	122.63	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0213	EA	108" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	145.19	16.81
		For Installation In Concrete Or Steel, Add	*16.67*	
		For Window Top >10' Above Finished Floor, Add	*8.34*	
12 24 13 00-0214	EA	120" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	161.02	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0215	EA	132" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	178.20	20.54
		For Installation In Concrete Or Steel, Add	*20.38*	
		For Window Top >10' Above Finished Floor, Add	*10.19*	
12 24 13 00-0216	EA	144" Wide, 2-5/8" Double Mecho Room Darkening Sill And Side Channel	192.69	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0217	EA	36" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	38.09	5.60
		For Installation In Concrete Or Steel, Add	*5.56*	
		For Window Top >10' Above Finished Floor, Add	*2.78*	
12 24 13 00-0218	EA	48" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	52.58	7.47
		For Installation In Concrete Or Steel, Add	*7.41*	
		For Window Top >10' Above Finished Floor, Add	*3.71*	
12 24 13 00-0219	EA	60" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	65.73	9.34
		For Installation In Concrete Or Steel, Add	*9.27*	
		For Window Top >10' Above Finished Floor, Add	*4.63*	
12 24 13 00-0220	EA	72" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	78.86	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0221	EA	84" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	90.67	13.07
		For Installation In Concrete Or Steel, Add	*12.97*	
		For Window Top >10' Above Finished Floor, Add	*6.49*	
12 24 13 00-0222	EA	96" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	103.81	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0223	EA	108" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	116.95	16.81
		For Installation In Concrete Or Steel, Add	*16.67*	
		For Window Top >10' Above Finished Floor, Add	*8.34*	
12 24 13 00-0224	EA	120" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	128.76	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0225	EA	132" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	141.90	20.54
		For Installation In Concrete Or Steel, Add	*20.38*	
		For Window Top >10' Above Finished Floor, Add	*10.19*	
12 24 13 00-0226	EA	144" Wide, 2-1/2" Single Mecho Room Darkening Sill And Side Channel	156.40	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	
12 24 13 00-0227	EA	36" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	66.32	5.60
		For Installation In Concrete Or Steel, Add	*5.56*	
		For Window Top >10' Above Finished Floor, Add	*2.78*	
12 24 13 00-0228	EA	48" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	86.19	7.47
		For Installation In Concrete Or Steel, Add	*7.41*	
		For Window Top >10' Above Finished Floor, Add	*3.71*	
12 24 13 00-0229	EA	60" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	107.41	9.34
		For Installation In Concrete Or Steel, Add	*9.27*	
		For Window Top >10' Above Finished Floor, Add	*4.63*	
12 24 13 00-0230	EA	72" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	131.30	11.21
		For Installation In Concrete Or Steel, Add	*11.12*	
		For Window Top >10' Above Finished Floor, Add	*5.56*	
12 24 13 00-0231	EA	84" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	151.17	13.07
		For Installation In Concrete Or Steel, Add	*12.97*	
		For Window Top >10' Above Finished Floor, Add	*6.49*	
12 24 13 00-0232	EA	96" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	173.72	14.94
		For Installation In Concrete Or Steel, Add	*14.82*	
		For Window Top >10' Above Finished Floor, Add	*7.41*	
12 24 13 00-0233	EA	108" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	194.93	16.81
		For Installation In Concrete Or Steel, Add	*16.67*	
		For Window Top >10' Above Finished Floor, Add	*8.34*	
12 24 13 00-0234	EA	120" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	217.49	18.68
		For Installation In Concrete Or Steel, Add	*18.53*	
		For Window Top >10' Above Finished Floor, Add	*9.26*	
12 24 13 00-0235	EA	132" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	237.35	20.54
		For Installation In Concrete Or Steel, Add	*20.38*	
		For Window Top >10' Above Finished Floor, Add	*10.19*	
12 24 13 00-0236	EA	144" Wide, 5" Double Mecho Room Darkening Sill And Side Channel	258.57	22.40
		For Installation In Concrete Or Steel, Add	*22.23*	
		For Window Top >10' Above Finished Floor, Add	*11.12*	

12 30 Casework *(12)*

12 31 Manufactured Metal Casework *(12 30)*

12 31 16 Manufactured Metal Sandwich Panel Casework *(12 31)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0001		**34-1/2" High x 24" Deep, Stainless Steel Cabinets** *(12 31 16)*		
12 31 16 00-0002		**18 Gauge, #4 Finish, 304 Stainless Steel Base Cabinets** *(12 31 16 00-0001)*		
12 31 16 00-0003		**18" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0004	EA	18" Stainless Steel Base Cabinet, No Doors Or Drawers	1,464.93	207.42
		For 16 Gauge Stainless Steel, Add	*225.74*	
		For >5 To 9, Deduct	*-55.12*	
		For >9, Deduct	*-110.25*	
12 31 16 00-0005	EA	18" Stainless Steel Base Cabinet, With 4 Drawers	2,356.74	207.42
		For 16 Gauge Stainless Steel, Add	*417.48*	
		For >5 To 9, Deduct	*-101.94*	
		For >9, Deduct	*-203.89*	
12 31 16 00-0006	EA	18" Stainless Steel Base Cabinet, With 3 Drawers	2,188.46	207.42
		For 16 Gauge Stainless Steel, Add	*381.30*	
		For >5 To 9, Deduct	*-93.11*	
		For >9, Deduct	*-186.22*	
12 31 16 00-0007	EA	18" Stainless Steel Base Cabinet, With 2 Drawers	2,020.18	207.42
		For 16 Gauge Stainless Steel, Add	*345.12*	
		For >5 To 9, Deduct	*-84.27*	
		For >9, Deduct	*-168.55*	
12 31 16 00-0008	EA	18" Stainless Steel Base Cabinet, With Doors And Drawers	1,963.08	207.42
		For 16 Gauge Stainless Steel, Add	*332.85*	
		For >5 To 9, Deduct	*-81.28*	
		For >9, Deduct	*-162.55*	
12 31 16 00-0009		**24" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0010	EA	24" Stainless Steel Base Cabinet, With Doors And Locks	2,104.08	224.17
		For 16 Gauge Stainless Steel, Add	*355.91*	
		For >5 To 9, Deduct	*-86.91*	
		For >9, Deduct	*-173.82*	
12 31 16 00-0011	EA	24" Stainless Steel Base Cabinet, With Door, No Locks	1,898.75	224.17
		For 16 Gauge Stainless Steel, Add	*311.77*	
		For >5 To 9, Deduct	*-76.13*	
		For >9, Deduct	*-152.26*	
12 31 16 00-0012	EA	24" Stainless Steel Base Cabinet, With Two Doors, No Locks	1,943.70	224.17
		For 16 Gauge Stainless Steel, Add	*321.43*	
		For >5 To 9, Deduct	*-78.49*	
		For >9, Deduct	*-156.98*	
12 31 16 00-0013	EA	24" Stainless Steel Base Cabinet, No Doors, 2 Drawers	2,152.68	224.17
		For 16 Gauge Stainless Steel, Add	*366.36*	
		For >5 To 9, Deduct	*-89.46*	
		For >9, Deduct	*-178.92*	
12 31 16 00-0014	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	2,786.30	224.17
		For 16 Gauge Stainless Steel, Add	*502.59*	
		For >5 To 9, Deduct	*-122.73*	
		For >9, Deduct	*-245.45*	
12 31 16 00-0015	EA	24" Stainless Steel Base Cabinet, With Doors And Drawers, With Locks	3,057.86	224.17
		For 16 Gauge Stainless Steel, Add	*560.97*	
		For >5 To 9, Deduct	*-136.98*	
		For >9, Deduct	*-273.96*	
12 31 16 00-0016		**30" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0017	EA	30" Stainless Steel Base Cabinet, No Doors, No Drawers	1,858.76	236.23
		For 16 Gauge Stainless Steel, Add	*298.09*	
		For >5 To 9, Deduct	*-72.79*	
		For >9, Deduct	*-145.58*	
12 31 16 00-0018	EA	30" Stainless Steel Base Cabinet, With 4 Full Size Drawers	2,682.53	236.23
		For 16 Gauge Stainless Steel, Add	*475.20*	
		For >5 To 9, Deduct	*-116.04*	
		For >9, Deduct	*-232.08*	
12 31 16 00-0019	EA	30" Stainless Steel Base Cabinet, With Doors, Drawers And Locks	3,440.08	236.23
		For 16 Gauge Stainless Steel, Add	*638.07*	
		For >5 To 9, Deduct	*-155.81*	
		For >9, Deduct	*-311.62*	
12 31 16 00-0020	EA	30" Stainless Steel Base Cabinet, With Doors And Drawers, No Locks	3,168.53	236.23
		For 16 Gauge Stainless Steel, Add	*579.69*	
		For >5 To 9, Deduct	*-141.55*	
		For >9, Deduct	*-283.11*	
12 31 16 00-0021	EA	30" Stainless Steel Base Cabinet, With Doors And One Full Size Drawer	3,000.25	236.23
		For 16 Gauge Stainless Steel, Add	*543.51*	
		For >5 To 9, Deduct	*-132.72*	
		For >9, Deduct	*-265.44*	
12 31 16 00-0022	EA	30" Stainless Steel Base Cabinet, With Doors, No Locks	2,317.42	236.23
		For 16 Gauge Stainless Steel, Add	*396.70*	
		For >5 To 9, Deduct	*-96.87*	
		For >9, Deduct	*-193.74*	
12 31 16 00-0023	EA	30" Stainless Steel Base Cabinet, With Doors And Locks	2,296.76	236.23
		For 16 Gauge Stainless Steel, Add	*392.26*	
		For >5 To 9, Deduct	*-95.78*	
		For >9, Deduct	*-191.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0024		**36" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0025	EA	36" Stainless Steel Base Cabinet, No Doors, No Drawers	2,050.76	245.61
		For 16 Gauge Stainless Steel, Add	*335.20*	
		For >5 To 9, Deduct	*-81.85*	
		For >9, Deduct	*-163.70*	
12 31 16 00-0026	EA	36" Stainless Steel Base Cabinet, With Doors And Locks	2,489.38	245.61
		For 16 Gauge Stainless Steel, Add	*429.50*	
		For >5 To 9, Deduct	*-104.88*	
		For >9, Deduct	*-209.76*	
12 31 16 00-0027	EA	36" Stainless Steel Base Cabinet, With Door, No Lock	2,327.78	245.61
		For 16 Gauge Stainless Steel, Add	*394.76*	
		For >5 To 9, Deduct	*-96.39*	
		For >9, Deduct	*-192.79*	
12 31 16 00-0028	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,630.26	245.61
		For 16 Gauge Stainless Steel, Add	*674.79*	
		For >5 To 9, Deduct	*-164.77*	
		For >9, Deduct	*-329.55*	
12 31 16 00-0029	EA	36" Stainless Steel Base Cabinet, With Doors, Drawers, No Locks	3,359.32	245.61
		For 16 Gauge Stainless Steel, Add	*616.54*	
		For >5 To 9, Deduct	*-150.55*	
		For >9, Deduct	*-301.10*	
12 31 16 00-0030		**42" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0031	EA	42" Stainless Steel Base Cabinet, No Doors, No Drawers	2,153.34	261.02
		For 16 Gauge Stainless Steel, Add	*350.72*	
		For >5 To 9, Deduct	*-85.64*	
		For >9, Deduct	*-171.28*	
12 31 16 00-0032	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	3,829.43	261.02
		For 16 Gauge Stainless Steel, Add	*711.08*	
		For >5 To 9, Deduct	*-173.63*	
		For >9, Deduct	*-347.27*	
12 31 16 00-0033	EA	42" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,557.88	261.02
		For 16 Gauge Stainless Steel, Add	*652.69*	
		For >5 To 9, Deduct	*-159.38*	
		For >9, Deduct	*-318.76*	
12 31 16 00-0034	EA	42" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,276.61	261.02
		For 16 Gauge Stainless Steel, Add	*592.22*	
		For >5 To 9, Deduct	*-144.61*	
		For >9, Deduct	*-289.22*	
12 31 16 00-0035	EA	42" Stainless Steel Base Cabinet, With Doors, No Lock	2,527.56	261.02
		For 16 Gauge Stainless Steel, Add	*431.17*	
		For >5 To 9, Deduct	*-105.29*	
		For >9, Deduct	*-210.57*	
12 31 16 00-0036	EA	42" Stainless Steel Base Cabinet, With Doors And Lock	2,686.73	261.02
		For 16 Gauge Stainless Steel, Add	*465.40*	
		For >5 To 9, Deduct	*-113.64*	
		For >9, Deduct	*-227.29*	
12 31 16 00-0037		**48" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0038	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers And Lock	4,014.98	267.05
		For 16 Gauge Stainless Steel, Add	*748.47*	
		For >5 To 9, Deduct	*-182.77*	
		For >9, Deduct	*-365.53*	
12 31 16 00-0039	EA	48" Stainless Steel Base Cabinet, With Doors, Drawers, No Lock	3,744.03	267.05
		For 16 Gauge Stainless Steel, Add	*690.21*	
		For >5 To 9, Deduct	*-168.54*	
		For >9, Deduct	*-337.08*	
12 31 16 00-0040	EA	48" Stainless Steel Base Cabinet, No Doors, No Drawers	2,338.88	267.05
		For 16 Gauge Stainless Steel, Add	*388.11*	
		For >5 To 9, Deduct	*-94.77*	
		For >9, Deduct	*-189.54*	
12 31 16 00-0041	EA	48" Stainless Steel Base Cabinet, No Doors, 2 Drawers	3,462.76	267.05
		For 16 Gauge Stainless Steel, Add	*629.74*	
		For >5 To 9, Deduct	*-153.77*	
		For >9, Deduct	*-307.55*	
12 31 16 00-0042	EA	48" Stainless Steel Base Cabinet, With Doors, And Lock	2,874.09	267.05
		For 16 Gauge Stainless Steel, Add	*503.18*	
		For >5 To 9, Deduct	*-122.87*	
		For >9, Deduct	*-245.74*	
12 31 16 00-0043	EA	48" Stainless Steel Base Cabinet, With Doors, No Locks	2,830.35	267.05
		For 16 Gauge Stainless Steel, Add	*493.77*	
		For >5 To 9, Deduct	*-120.57*	
		For >9, Deduct	*-241.14*	
12 31 16 00-0044		**60" Stainless Steel Base Cabinet** *(12 31 16 00-0002)*		
12 31 16 00-0045	EA	24" Deep x 60" Wide Stainless Steel Sink Base Cabinet	2,802.44	275.19
		For 16 Gauge Stainless Steel, Add	*484.25*	
		For >5 To 9, Deduct	*-118.25*	
		For >9, Deduct	*-236.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0046		**18 Gauge, #4 Finish, 304 Stainless Steel Wall Cabinets** *(12 31 16 00-0001)*		
12 31 16 00-0047		**12" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0048	EA	12"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,120.27	78.97
		For 16 Gauge Stainless Steel, Add	*206.90*	
		For >5 To 9, Deduct	*-50.52*	
		For >9, Deduct	*-101.04*	
12 31 16 00-0049	EA	12"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,116.88	83.75
		For 16 Gauge Stainless Steel, Add	*204.11*	
		For >5 To 9, Deduct	*-49.84*	
		For >9, Deduct	*-99.68*	
12 31 16 00-0050		**18" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0051	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,174.79	84.90
		For 16 Gauge Stainless Steel, Add	*216.05*	
		For >5 To 9, Deduct	*-52.76*	
		For >9, Deduct	*-105.51*	
12 31 16 00-0052	EA	18"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,108.58	84.90
		For 16 Gauge Stainless Steel, Add	*201.81*	
		For >5 To 9, Deduct	*-49.28*	
		For >9, Deduct	*-98.56*	
12 31 16 00-0053	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,299.10	92.36
		For 16 Gauge Stainless Steel, Add	*239.58*	
		For >5 To 9, Deduct	*-58.50*	
		For >9, Deduct	*-117.00*	
12 31 16 00-0054	EA	18"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,258.39	92.36
		For 16 Gauge Stainless Steel, Add	*230.82*	
		For >5 To 9, Deduct	*-56.36*	
		For >9, Deduct	*-112.73*	
12 31 16 00-0055		**24" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0056	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Door	979.60	94.00
		For 16 Gauge Stainless Steel, Add	*170.21*	
		For >5 To 9, Deduct	*-41.56*	
		For >9, Deduct	*-83.13*	
12 31 16 00-0057	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,325.87	94.00
		For 16 Gauge Stainless Steel, Add	*244.66*	
		For >5 To 9, Deduct	*-59.74*	
		For >9, Deduct	*-119.48*	
12 31 16 00-0058	EA	24"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,260.26	94.00
		For 16 Gauge Stainless Steel, Add	*230.55*	
		For >5 To 9, Deduct	*-56.30*	
		For >9, Deduct	*-112.59*	
12 31 16 00-0059	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,248.13	87.77
		For 16 Gauge Stainless Steel, Add	*230.57*	
		For >5 To 9, Deduct	*-56.30*	
		For >9, Deduct	*-112.60*	
12 31 16 00-0060	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,178.26	87.77
		For 16 Gauge Stainless Steel, Add	*215.54*	
		For >5 To 9, Deduct	*-52.63*	
		For >9, Deduct	*-105.27*	
12 31 16 00-0061	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Glass Door, No Lock	1,505.71	87.77
		For 16 Gauge Stainless Steel, Add	*285.95*	
		For >5 To 9, Deduct	*-69.82*	
		For >9, Deduct	*-139.65*	
12 31 16 00-0062	EA	24"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	897.60	87.77
		For 16 Gauge Stainless Steel, Add	*155.20*	
		For >5 To 9, Deduct	*-37.90*	
		For >9, Deduct	*-75.80*	
12 31 16 00-0063	EA	24"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	845.32	83.75
		For 16 Gauge Stainless Steel, Add	*145.72*	
		For >5 To 9, Deduct	*-35.58*	
		For >9, Deduct	*-71.17*	
12 31 16 00-0064		**30" Wide Stainless Steel Wall Cabinets** *(12 31 16 00-0046)*		
12 31 16 00-0065	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,716.82	99.83
		For 16 Gauge Stainless Steel, Add	*326.18*	
		For >5 To 9, Deduct	*-79.65*	
		For >9, Deduct	*-159.30*	
12 31 16 00-0066	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,557.66	99.83
		For 16 Gauge Stainless Steel, Add	*291.96*	
		For >5 To 9, Deduct	*-71.29*	
		For >9, Deduct	*-142.59*	
12 31 16 00-0067	EA	30"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,051.61	99.83
		For 16 Gauge Stainless Steel, Add	*183.16*	
		For >5 To 9, Deduct	*-44.73*	
		For >9, Deduct	*-89.45*	
12 31 16 00-0068	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,632.65	91.89
		For 16 Gauge Stainless Steel, Add	*311.49*	
		For >5 To 9, Deduct	*-76.06*	
		For >9, Deduct	*-152.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0069	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Lock	1,473.49	91.89
		For 16 Gauge Stainless Steel, Add	*277.27*	
		For >5 To 9, Deduct	*-67.71*	
		For >9, Deduct	*-135.41*	
12 31 16 00-0070	EA	30"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	967.44	91.89
		For 16 Gauge Stainless Steel, Add	*168.47*	
		For >5 To 9, Deduct	*-41.14*	
		For >9, Deduct	*-82.28*	
12 31 16 00-0071	EA	30"W x 12"D x 18"H Stainless Steel Wall Cabinet, No Doors	914.84	87.58
		For 16 Gauge Stainless Steel, Add	*159.05*	
		For >5 To 9, Deduct	*-38.84*	
		For >9, Deduct	*-77.67*	

12 31 16 00-0072 36" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0073	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,785.23	102.71
		For 16 Gauge Stainless Steel, Add	*339.66*	
		For >5 To 9, Deduct	*-82.94*	
		For >9, Deduct	*-165.88*	
12 31 16 00-0074	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,622.42	102.71
		For 16 Gauge Stainless Steel, Add	*304.66*	
		For >5 To 9, Deduct	*-74.39*	
		For >9, Deduct	*-148.79*	
12 31 16 00-0075	EA	36"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,120.02	102.71
		For 16 Gauge Stainless Steel, Add	*196.64*	
		For >5 To 9, Deduct	*-48.02*	
		For >9, Deduct	*-96.04*	
12 31 16 00-0076	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,700.09	94.00
		For 16 Gauge Stainless Steel, Add	*325.11*	
		For >5 To 9, Deduct	*-79.39*	
		For >9, Deduct	*-158.78*	
12 31 16 00-0077	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,541.54	94.00
		For 16 Gauge Stainless Steel, Add	*291.03*	
		For >5 To 9, Deduct	*-71.06*	
		For >9, Deduct	*-142.13*	
12 31 16 00-0078	EA	36"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,034.88	94.00
		For 16 Gauge Stainless Steel, Add	*182.09*	
		For >5 To 9, Deduct	*-44.46*	
		For >9, Deduct	*-88.93*	
12 31 16 00-0079	EA	36"W x 12"D x 18"H Stainless Steel Wall Cabinet, With Doors, No Locks	983.39	89.50
		For 16 Gauge Stainless Steel, Add	*172.94*	
		For >5 To 9, Deduct	*-42.23*	
		For >9, Deduct	*-84.46*	

12 31 16 00-0080 42" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0081	EA	42"W x 12"D x 42"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,873.85	129.22
		For 16 Gauge Stainless Steel, Add	*347.36*	
		For >5 To 9, Deduct	*-84.82*	
		For >9, Deduct	*-169.64*	
12 31 16 00-0082	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,876.16	121.94
		For 16 Gauge Stainless Steel, Add	*350.97*	
		For >5 To 9, Deduct	*-85.70*	
		For >9, Deduct	*-171.40*	
12 31 16 00-0083	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,714.56	121.94
		For 16 Gauge Stainless Steel, Add	*316.22*	
		For >5 To 9, Deduct	*-77.22*	
		For >9, Deduct	*-154.43*	
12 31 16 00-0084	EA	42"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,209.73	121.94
		For 16 Gauge Stainless Steel, Add	*207.68*	
		For >5 To 9, Deduct	*-50.71*	
		For >9, Deduct	*-101.43*	
12 31 16 00-0085	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,767.27	102.41
		For 16 Gauge Stainless Steel, Add	*335.93*	
		For >5 To 9, Deduct	*-82.03*	
		For >9, Deduct	*-164.06*	
12 31 16 00-0086	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,606.89	102.41
		For 16 Gauge Stainless Steel, Add	*301.45*	
		For >5 To 9, Deduct	*-73.61*	
		For >9, Deduct	*-147.22*	
12 31 16 00-0087	EA	42"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,102.06	102.41
		For 16 Gauge Stainless Steel, Add	*192.91*	
		For >5 To 9, Deduct	*-47.11*	
		For >9, Deduct	*-94.21*	

12 31 16 00-0088 48" Wide Stainless Steel Wall Cabinets *(12 31 16 00-0046)*

12 31 16 00-0089	EA	48"W x 12"D x 42"H Stainless Steel Wall Cabinet, No Doors, No Locks	1,651.57	129.22
		For 16 Gauge Stainless Steel, Add	*298.45*	
		For >5 To 9, Deduct	*-72.88*	
		For >9, Deduct	*-145.75*	
12 31 16 00-0090	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors And Locks	1,943.23	124.63
		For 16 Gauge Stainless Steel, Add	*364.20*	
		For >5 To 9, Deduct	*-88.93*	
		For >9, Deduct	*-177.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 31 16 00-0091	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,784.06	124.63
		For 16 Gauge Stainless Steel, Add	*329.98*	
		For >5 To 9, Deduct	*-80.58*	
		For >9, Deduct	*-161.15*	
12 31 16 00-0092	EA	48"W x 12"D x 36"H Stainless Steel Wall Cabinet, No Doors	1,278.02	124.63
		For 16 Gauge Stainless Steel, Add	*221.18*	
		For >5 To 9, Deduct	*-54.01*	
		For >9, Deduct	*-108.02*	
12 31 16 00-0093	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors And Locks	1,833.50	103.37
		For 16 Gauge Stainless Steel, Add	*349.72*	
		For >5 To 9, Deduct	*-85.40*	
		For >9, Deduct	*-170.80*	
12 31 16 00-0094	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, With Doors, No Locks	1,674.95	103.37
		For 16 Gauge Stainless Steel, Add	*315.64*	
		For >5 To 9, Deduct	*-77.07*	
		For >9, Deduct	*-154.15*	
12 31 16 00-0095	EA	48"W x 12"D x 24"H Stainless Steel Wall Cabinet, No Doors	1,168.29	103.37
		For 16 Gauge Stainless Steel, Add	*206.70*	
		For >5 To 9, Deduct	*-50.47*	
		For >9, Deduct	*-100.95*	

12 31 16 00-0096 Accessories *(12 31 16 00-0001)*

12 31 16 00-0097 Stainless Steel Countertops *(12 31 16 00-0096)*

Note: Includes all finishes, finished ends and all edge types such as straight, bullnose, eased, marine, etc. Excludes sinks.

12 31 16 00-0098	SF	16 Gauge Stainless Steel Countertop With Backsplash	88.98	5.27
		For 14 Gauge Stainless Steel, Add	*17.34*	
12 31 16 00-0099	SF	16 Gauge Stainless Steel Countertop Without Backsplash	81.64	5.27
		For 14 Gauge Stainless Steel, Add	*15.72*	
12 31 16 00-0100	EA	Cutout For Sink And/Or Faucet In Stainless Steel Countertop	139.28	

12 31 16 00-0101 Stainless Steel Wall Panels *(12 31 16 00-0096)*

12 31 16 00-0102	SF	20 Gauge Stainless Steel Wall Panel	29.35	7.85
		For 18 Gauge Stainless Steel, Add	*3.71*	
		For 16 Gauge Stainless Steel, Add	*7.15*	

12 31 16 00-0103 Pedestal Legs *(12 31 16 00-0096)*

12 31 16 00-0104	EA	Type #304 Stainless Steel Pedestal Leg	243.45	11.97

12 31 16 00-0105 Stainless Steel Slanted Cabinet Top Enclosure *(12 31 16 00-0096)*

12 31 16 00-0106	EA	Stainless Steel Slanted Cabinet Top Enclosure, 5' Sections	268.96	23.22

12 35 Specialty Casework *(12 30)*

12 35 70 Healthcare Casework *(12 35)*

12 35 70 13 Hospital Casework *(12 35 70)*

12 35 70 13-0001 Modular Casework *(12 35 70 13)*

Note: Midmark.

12 35 70 13-0002	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-243624)	615.25	83.96
12 35 70 13-0003	EA	36" High, 2 Doors, Base Sink Unit (Midmark MC-SBS005-363624)	763.40	104.95
12 35 70 13-0004	EA	36" High, 2 Doors, Base Sink Unit With Tap Master Valve (Midmark MC-SBS009-243624)	1,050.73	83.96
12 35 70 13-0005	EA	36" High Base Sink Unit, 2 Doors With Tap Master Valve; Midmark MC-SBS009-363624	1,209.33	104.95
12 35 70 13-0006	EA	36" High Base Storage Unit, 1 Door; Midmark MC-SBP006-243624	692.76	83.96
12 35 70 13-0007	EA	36" High Base Storage Unit, 2 Doors; Midmark MC-SBP007-363624	928.88	104.95
12 35 70 13-0008	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-153624	695.37	83.96
12 35 70 13-0009	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-183624	746.76	83.96
12 35 70 13-0010	EA	36" High Base Storage Unit, 1 4" Drawer, 1 Door; Midmark MC-SBP012-213624	791.18	83.96
12 35 70 13-0011	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-303624	988.97	104.95
12 35 70 13-0012	EA	36" High Base Storage Unit, 1 4" Drawer, 2 Doors; Midmark MC-SBP013-363624	1,003.78	104.95
12 35 70 13-0013	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-243624	924.44	83.96
12 35 70 13-0014	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-303624	1,076.07	104.95
12 35 70 13-0015	EA	36" High Base Storage Unit, 2 4" Drawer, 2 Doors; Midmark MC-SBP020-363624	1,108.30	104.95
12 35 70 13-0016	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-123624	812.08	83.96
12 35 70 13-0017	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-153624	834.73	83.96
12 35 70 13-0018	EA	36" High Base Storage Unit, 1 4" Drawer, 2 8" Drawers; Midmark MC-SBP024-183624	893.08	83.96
12 35 70 13-0019	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-303624	1,477.58	104.95
12 35 70 13-0020	EA	36" High Base Storage Unit, 2 4" Drawer, 2 8" Drawers; Midmark MC-SBP025-363624	1,559.45	104.95
12 35 70 13-0021	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-153624	1,040.27	83.96
12 35 70 13-0022	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-183624	1,100.37	83.96
12 35 70 13-0023	EA	36" High Base Storage Unit, 5 4" Drawer; Midmark MC-SBP032-213624	1,204.01	83.96
12 35 70 13-0024	EA	84" High Tall Storage Unit, 2 Doors; Midmark MC-STP032-368424	2,140.11	251.87
12 35 70 13-0025	EA	84" High Tall Storage Unit, Open Upper With Pull Out Shelf, 1 4" Drawer, 2 Doors; Midmark MC-STP081-248424	1,972.02	251.87
12 35 70 13-0026	EA	Desk Filler Panel; Midmark MC-SDA003-060501	83.70	20.99
12 35 70 13-0027	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-123014	454.99	83.96
12 35 70 13-0028	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-153014	447.15	83.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 13-0029	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-183014	475.02	83.96
12 35 70 13-0030	EA	30" High Overhead Unit, 1 Door; Midmark MC-SOHO41-213014	512.47	83.96
12 35 70 13-0031	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-243014	555.15	83.96
12 35 70 13-0032	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-303014	637.98	104.95
12 35 70 13-0033	EA	30" High Overhead Unit, 2 Doors; Midmark MC-SOHO42-363014	689.36	104.95
12 35 70 13-0034	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-303014	839.17	104.95
12 35 70 13-0035	EA	30" High Overhead Unit, 2 Window Doors; Midmark MC-SOHO44-363014	929.75	104.95
12 35 70 13-0036	LF	19" Self Edge Laminate Countertop With Backsplash	114.09	13.93
12 35 70 13-0037	LF	25" Self Edge Laminate Countertop With Backsplash	221.79	18.57
12 35 70 13-0038	SF	Melamine Wall Cabinet Inner Soffit Note: Includes blocking	30.50	11.62

12 35 70 19 Exam Room Casework *(12 35 70)*

12 35 70 19-0001 Medical Exam Room Cabinetwork *(12 35 70 19)*

12 35 70 19-0002 Medical Exam Room Wall Cabinets *(12 35 70 19-0001)*

12 35 70 19-0003 Medical Exam Room Wall Cabinets (Clinton Industries®) *(12 35 70 19-0002)*

Note: Include all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls and flush-face doors.

12 35 70 19-0004	EA	24" Width, 12" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8212)	347.79	28.78
		For Additional Shelf, Add	*30.17*	
		For Lock And Inside Latch Combo For Double Doors, Add	*70.10*	
12 35 70 19-0005	EA	24" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8224)	377.96	28.78
		For Additional Shelf, Add	*30.17*	
		For Lock And Inside Latch Combo For Double Doors, Add	*70.10*	
12 35 70 19-0006	EA	36" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8236)	611.10	37.60
		For Additional Shelf, Add	*30.17*	
		For Lock And Inside Latch Combo For Double Doors, Add	*70.45*	
12 35 70 19-0007	EA	42" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8242)	665.11	39.47
		For Additional Shelf, Add	*30.17*	
		For Lock And Inside Latch Combo For Double Doors, Add	*70.53*	
12 35 70 19-0008	EA	48" Width, 24" Height, 12" Depth, 2 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8248)	733.90	42.25
		For Additional Shelf, Add	*30.17*	
		For Lock And Inside Latch Combo For Double Doors, Add	*70.64*	
12 35 70 19-0009	EA	54" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8254)	828.54	45.04
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*47.76*	
		For Lock And Inside Latch Combo For Double Doors, Add	*70.75*	
12 35 70 19-0010	EA	66" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8266)	952.85	48.29
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*47.89*	
		For Lock And Inside Latch Combo For Double Doors, Add	*70.88*	
12 35 70 19-0011	EA	72" Width, 24" Height, 12" Depth, 3 Doors, Medical Exam Room Wall Cabinet (Clinton Industries® 8272)	1,008.71	51.07
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*48.00*	
		For Lock And Inside Latch Combo For Double Doors, Add	*70.99*	

12 35 70 19-0012 Medical Exam Room Base Cabinets *(12 35 70 19-0001)*

12 35 70 19-0013 Medical Exam Room Base Cabinets (Ritter®) *(12 35 70 19-0012)*

Note: Include polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors, Pebble Grey Kydex top.

12 35 70 19-0014	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Ritter® 2060)	1,154.95	71.03
		For Lock For Single Door/Drawer, Add	*48.79*	
		For Soft Edge Top, Add	*352.00*	
12 35 70 19-0015	EA	24" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-001)	1,193.75	71.03
		For Lock For Single Door/Drawer, Add	*48.79*	
		For Soft Edge Top, Add	*352.00*	
12 35 70 19-0016	EA	24" Width, 36" Height, 18" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-001)	1,337.42	71.03
		For Lock For Single Door/Drawer, Add	*48.79*	
		For Soft Edge Top, Add	*352.00*	
12 35 70 19-0017	EA	24" Width, 36" Height, 24" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Ritter® 2061-002)	1,348.91	71.03
		For Lock For Single Door/Drawer, Add	*48.79*	
		For Soft Edge Top, Add	*352.00*	
12 35 70 19-0018	EA	24" Width, 36" Height, 24" Depth, 5 Drawers, Medical Exam Room Base Cabinet (Ritter® 2062-002)	1,521.32	71.03
		For Lock For Single Door/Drawer, Add	*48.79*	
		For Soft Edge Top, Add	*352.00*	

12 35 70 19-0019 Medical Exam Room Base Cabinets (Clinton Industries®) *(12 35 70 19-0012)*

Note: Include all laminate construction, chip resistant PVC edges, hinges, one shelf behind doors, mounting hardware, door pulls, flush-face doors and countertop.

12 35 70 19-0020	EA	24" Width, 35" Height, 18" Depth, 2 Doors, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 76) Note: Includes stainless steel sink and faucet.	627.25	116.07
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*50.58*	
		For Lock And Inside Latch Combo For Double Doors, Add	*73.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0021	EA	24" Width, 35" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet (Clinton Industries® 8024)	817.33	71.03
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*48.79*	
		For Lock And Inside Latch Combo For Double Doors, Add	*71.78*	
12 35 70 19-0022	EA	36" Width, 35" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8036)	1,172.59	79.86
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*49.14*	
		For Lock And Inside Latch Combo For Double Doors, Add	*72.13*	
12 35 70 19-0023	EA	42" Width, 35" Height, 18" Depth, 3 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8042)	1,268.92	86.36
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*49.40*	
		For Lock And Inside Latch Combo For Double Doors, Add	*72.39*	
12 35 70 19-0024	EA	48" Width, 35" Height, 18" Depth, 4 Doors And 2 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8048)	1,386.04	97.50
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*49.84*	
		For Lock And Inside Latch Combo For Double Doors, Add	*72.83*	
12 35 70 19-0025	EA	54" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8054)	1,664.31	104.46
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*50.12*	
		For Lock And Inside Latch Combo For Double Doors, Add	*73.11*	
12 35 70 19-0026	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8066)	1,837.72	111.43
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*50.39*	
		For Lock And Inside Latch Combo For Double Doors, Add	*73.38*	
12 35 70 19-0027	EA	66" Width, 35" Height, 18" Depth, 3 Doors And 3 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8042-99)	1,971.48	162.50
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*52.42*	
		For Lock And Inside Latch Combo For Double Doors, Add	*75.41*	
12 35 70 19-0028	EA	72" Width, 35" Height, 18" Depth, 6 Doors And 3 Drawers, Medical Exam Room Base Cabinet (Clinton Industries® 8072)	1,959.40	118.39
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*50.67*	
		For Lock And Inside Latch Combo For Double Doors, Add	*73.66*	
12 35 70 19-0029	EA	72" Width, 35" Height, 18" Depth, 2 Doors And 6 Drawers, Medical Exam Room Base Cabinet With Sink And Desk (Clinton Industries® 8048-99)	2,254.40	171.79
		Note: Includes stainless steel sink and faucet.		
		For Additional Shelf, Add	*30.17*	
		For Lock For Single Door/Drawer, Add	*52.79*	
		For Lock And Inside Latch Combo For Double Doors, Add	*75.78*	

12 35 70 19-0030 Medical Exam Room Cabinet Combinations *(12 35 70 19-0001)*

12 35 70 19-0031 Medical Exam Room Cabinet Combinations (Ritter®) *(12 35 70 19-0030)*

Note: Includes base cabinet and overhead cabinet, powder coated steel shell, polymer covered drawers and door fronts, hinges, mounting hardware, door pulls, flush-face doors and laminate countertop.

12 35 70 19-0032	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	1,881.95	139.28
		For Locks On Single Drawer And All Doors, Add	*457.98*	
12 35 70 19-0033	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic)	1,937.99	139.28
		For Locks On Single Drawer And All Doors, Add	*457.98*	
12 35 70 19-0034	EA	48" Width, 36" Height, 18" Depth, 1 Door And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	2,357.07	176.43
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*460.19*	
12 35 70 19-0035	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 1 Drawer, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic)	2,437.52	176.43
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*460.19*	
12 35 70 19-0036	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	2,167.86	139.28
		For Locks On Single Drawer And All Doors, Add	*457.98*	
12 35 70 19-0037	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Basic Value)	2,225.33	139.28
		For Locks On Single Drawer And All Doors, Add	*457.98*	
12 35 70 19-0038	EA	48" Width, 36" Height, 18" Depth, 1 Door And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	2,813.94	176.43
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*460.19*	
12 35 70 19-0039	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 2 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Basic Value)	2,868.54	176.43
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*460.19*	
12 35 70 19-0040	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	2,452.33	139.28
		For Locks On Single Drawer And All Doors, Add	*457.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 35 70 19-0041	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Overhead Cabinet (Ritter® Managed Care)	2,512.67	139.28
		For Locks On Single Drawer And All Doors, Add	*457.98*	
12 35 70 19-0042	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	3,099.85	176.43
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*460.19*	
12 35 70 19-0043	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink And Overhead Cabinet (Ritter® Managed Care)	3,158.75	176.43
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*460.19*	
12 35 70 19-0044	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	2,776.81	157.86
		For Locks On Single Drawer And All Doors, Add	*459.09*	
12 35 70 19-0045	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Desk And Overhead Cabinet (Ritter® Traditional)	2,831.41	157.86
		For Locks On Single Drawer And All Doors, Add	*459.09*	
12 35 70 19-0046	EA	48" Width, 36" Height, 18" Depth, 1 Door And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	3,422.91	195.00
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*461.30*	
12 35 70 19-0047	EA	48" Width, 36" Height, 18" Depth, 2 Doors And 4 Drawers, Medical Exam Room Base Cabinet With Sink, Desk And Overhead Cabinet (Ritter® Traditional)	3,487.56	195.00
		Note: Includes stainless steel sink and faucet.		
		For Locks On Single Drawer And All Doors, Add	*461.30*	

12 36 Countertops *(12 30)*

12 36 23 Plastic Countertops *(12 36)*

12 36 23 13 Plastic-Laminate-Clad Countertops *(12 36 23)*

12 36 23 13-0001 Plastic Laminate Countertops *(12 36 23 13)*

Note: Includes plywood, medium-density fiberboard (MDF), or particleboard substrates, finished ends, and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 23 13-0002	SF	Plastic Laminate Countertop Without Backsplash	15.03	9.28
12 36 23 13-0003	SF	Plastic Laminate Countertop With 4" Backsplash	19.87	9.28
12 36 23 13-0004	LF	Plastic Laminate End Splash For Plastic Laminate Countertops	16.67	2.78
12 36 23 13-0005	EA	Cutout For Sink And/Or Faucet In Plastic Laminate Countertop	77.38	

12 36 53 Laboratory Countertops *(12 36)*

12 36 53 00-0001 Epoxy Resin Laboratory Countertops *(12 36 53)*

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0002	SF	3/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	40.09	4.65
12 36 53 00-0003	SF	1" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	41.33	4.65
12 36 53 00-0004	SF	1-1/4" Thick, Black Epoxy Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	49.96	4.65
12 36 53 00-0005	LF	4" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	15.64	2.78
12 36 53 00-0006	LF	6" x 3/4" Thick, Black Epoxy Resin Backsplash For Laboratory Countertop	20.67	2.78

12 36 53 00-0007 Epoxy Resin Laboratory Sinks *(12 36 53)*

Note: Includes cut out for sinks, and sink strainer assembly set.

12 36 53 00-0008 Epoxy Resin Laboratory Undermount Sink *(12 36 53 00-0007)*

12 36 53 00-0009	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	459.92	99.88
12 36 53 00-0010	EA	12" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	466.19	99.88
12 36 53 00-0011	EA	12" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	533.26	99.88
12 36 53 00-0012	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Undermount Sink	466.19	99.88
12 36 53 00-0013	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Undermount Sink	495.91	108.28
12 36 53 00-0014	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	518.26	108.28
12 36 53 00-0015	EA	16" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	982.74	108.28
12 36 53 00-0016	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Undermount Sink	569.35	108.28
12 36 53 00-0017	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Undermount Sink	592.68	115.74
12 36 53 00-0018	EA	24" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	707.95	115.74
12 36 53 00-0019	EA	24" Length x 16" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	830.88	115.74
12 36 53 00-0020	EA	30" Length x 18" Width x 18" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,708.31	115.74
12 36 53 00-0021	EA	31" Length x 21" Width x 12" Depth, Black Epoxy Resin Laboratory Undermount Sink	921.17	115.74
12 36 53 00-0022	EA	36" Length x 20" Width x 16" Depth, Black Epoxy Resin Laboratory Undermount Sink	1,828.58	115.74
12 36 53 00-0023	EA	42" Length x 20" Width x 10" Depth, Black Epoxy Resin Laboratory Undermount Sink	2,472.77	118.54

12 36 53 00-0024 Epoxy Resin Laboratory Drop-in Sink *(12 36 53 00-0007)*

12 36 53 00-0025	EA	9" Length x 6" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	458.98	99.88
12 36 53 00-0026	EA	12" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	459.90	99.88
12 36 53 00-0027	EA	12" Length x 12" Width x 12" Depth, Black Epoxy Resin Laboratory Drop-in Sink	524.21	99.88
12 36 53 00-0028	EA	14" Length x 10" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	466.19	99.88
12 36 53 00-0029	EA	15" Length x 8" Width x 6" Depth, Black Epoxy Resin Laboratory Drop-in Sink	487.10	99.88
12 36 53 00-0030	EA	15" Length x 8" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	487.10	99.88
12 36 53 00-0031	EA	16" Length x 8" Width x 7" Depth, Black Epoxy Resin Laboratory Drop-in Sink	495.91	108.28
12 36 53 00-0032	EA	16" Length x 12" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	518.26	108.28
12 36 53 00-0033	EA	16" Length x 16" Width x 9-5/8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	531.06	108.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0034	EA	18" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	534.25	108.28
12 36 53 00-0035	EA	18" Length x 15" Width x 11" Depth, Black Epoxy Resin Laboratory Drop-in Sink	611.51	108.28
12 36 53 00-0036	EA	24" Length x 16" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	634.84	115.74
12 36 53 00-0037	EA	25" Length x 15" Width x 8" Depth, Black Epoxy Resin Laboratory Drop-in Sink	646.74	115.74
12 36 53 00-0038	EA	25" Length x 15" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	650.78	115.74
12 36 53 00-0039	EA	30" Length x 16" Width x 10" Depth, Black Epoxy Resin Laboratory Drop-in Sink	918.07	115.74
12 36 53 00-0040	EA	10" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	463.86	98.94
12 36 53 00-0041	EA	12" Diameter x 7.8" Depth, Black Round Epoxy Resin Laboratory Drop-in Sink	474.69	98.94

12 36 53 00-0042 Epoxy Resin Laboratory ADA Drop-in Sink *(12 36 53 00-0007)*

12 36 53 00-0043	EA	14" Length x 10" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	461.52	98.94
12 36 53 00-0044	EA	14" Length x 14" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	491.12	98.94
12 36 53 00-0045	EA	14" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	506.25	98.94
12 36 53 00-0046	EA	25" Length x 15" Width x 5" Depth, Black Epoxy Resin Laboratory ADA Drop-in Sink	650.78	115.74

12 36 53 00-0047 Epoxy Resin Laboratory Cup Sink *(12 36 53 00-0007)*

12 36 53 00-0048	EA	6" Length x 3" Width x 4" Depth, Black Oval Epoxy Resin Laboratory Cup Sink	322.12	80.27

12 36 53 00-0049 Polypropylene Laboratory Countertops *(12 36 53)*

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0050	SF	3/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	19.16	4.65
12 36 53 00-0051	SF	1" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	21.01	4.65
12 36 53 00-0052	SF	1-1/4" Thick, Black Polypropylene Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	23.38	4.65
12 36 53 00-0053	LF	4" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	8.66	2.78
12 36 53 00-0054	LF	6" x 3/4" Thick, Black Polypropylene Backsplash For Laboratory Countertop	10.20	2.78

12 36 53 00-0055 Polypropylene Laboratory Sinks *(12 36 53)*

Note: Includes cut out for sinks, and sink strainer assembly set.

12 36 53 00-0056 Polypropylene Laboratory Undermount Sink *(12 36 53 00-0055)*

12 36 53 00-0057	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	531.73	99.88
12 36 53 00-0058	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	558.47	99.88
12 36 53 00-0059	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	551.89	99.88
12 36 53 00-0060	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Undermount Sink	581.80	108.28
12 36 53 00-0061	EA	16" Length x 13" Width x 6" Depth, Black Polypropylene Laboratory Undermount Sink	709.39	108.28
12 36 53 00-0062	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	716.05	108.28
12 36 53 00-0063	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Undermount Sink	716.05	108.28
12 36 53 00-0064	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Undermount Sink	766.26	115.74
12 36 53 00-0065	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Undermount Sink	800.00	115.74
12 36 53 00-0066	EA	23" Length x 17" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	766.26	115.74
12 36 53 00-0067	EA	30" Length x 18" Width x 18" Depth, Black Polypropylene Laboratory Undermount Sink	1,169.25	115.74
12 36 53 00-0068	EA	31" Length x 20.5" Width x 11-1/2" Depth, Black Polypropylene Laboratory Undermount Sink	1,163.26	115.74
12 36 53 00-0069	EA	42" Length x 18" Width x 16" Depth, Black Polypropylene Laboratory Undermount Sink	2,009.86	118.54

12 36 53 00-0070 Polypropylene Laboratory Drop-in Sink *(12 36 53 00-0055)*

12 36 53 00-0071	EA	11" Length x 11" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	464.60	99.88
12 36 53 00-0072	EA	12" Length x 8" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	718.17	99.88
12 36 53 00-0073	EA	12" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	491.31	99.88
12 36 53 00-0074	EA	14" Length x 10" Width x 6" Depth, Black Polypropylene Laboratory Drop-in Sink	484.75	99.88
12 36 53 00-0075	EA	17" Length x 17" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	648.91	108.28
12 36 53 00-0076	EA	16" Length x 8" Width x 7" Depth, Black Polypropylene Laboratory Drop-in Sink	514.64	108.28
12 36 53 00-0077	EA	18" Length x 12" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	648.91	108.28
12 36 53 00-0078	EA	16" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	635.41	108.28
12 36 53 00-0079	EA	18" Length x 15" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	622.30	108.28
12 36 53 00-0080	EA	18" Length x 15" Width x 12" Depth, Black Polypropylene Laboratory Drop-in Sink	648.91	108.28
12 36 53 00-0081	EA	24" Length x 16" Width x 8" Depth, Black Polypropylene Laboratory Drop-in Sink	699.12	115.74
12 36 53 00-0082	EA	25" Length x 15" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	732.84	115.74
12 36 53 00-0083	EA	31" Length x 17" Width x 10" Depth, Black Polypropylene Laboratory Drop-in Sink	1,062.20	115.74
12 36 53 00-0084	EA	12" Diameter x 7.8" Depth, Black Round Polypropylene Laboratory Drop-in Sink	436.46	98.94

12 36 53 00-0085 Polypropylene Laboratory ADA Drop-in Sink *(12 36 53 00-0055)*

12 36 53 00-0086	EA	16" Length x 16" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	622.30	108.28
12 36 53 00-0087	EA	25" Length x 15" Width x 5.5" Depth, Black Polypropylene Laboratory ADA Drop-in Sink	717.73	115.74

12 36 53 00-0088 Polypropylene Laboratory Cup Sink *(12 36 53 00-0055)*

12 36 53 00-0089	EA	6" Length x 3" Width x 4" Depth, Black Oval Polypropylene Laboratory Cup Sink	352.27	98.94

12 36 53 00-0090 Phenolic Resin Laboratory Countertops *(12 36 53)*

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0091	SF	3/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	33.95	4.65
12 36 53 00-0092	SF	1" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	38.22	4.65
12 36 53 00-0093	SF	1-1/4" Thick, Black Phenolic Resin Laboratory Countertop Without Backsplash, Machined Bevel Or Radius Edges	41.20	4.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 36 53 00-0094	LF	4" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	13.12	2.78
12 36 53 00-0095	LF	6" x 3/4" Thick, Black Phenolic Resin Backsplash For Laboratory Countertop	16.85	2.78

12 36 53 00-0096 High Pressure Laminate Laboratory Countertops *(12 36 53)*

Note: Includes all finish edge types, and all holes for faucets, fixtures, outlets, etc. Excludes cut out for sinks.

12 36 53 00-0097	SF	3/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	20.10	4.65
12 36 53 00-0098	SF	1" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	21.09	4.65
12 36 53 00-0099	SF	1-1/4" Thick, High Pressure Laminate Laboratory Countertop Without Backsplash, Machined Bevel Edges	21.09	4.65
12 36 53 00-0100	LF	4" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	11.17	2.78
12 36 53 00-0101	LF	6" x 3/4" Thick, High Pressure Laminate Backsplash For Laboratory Countertop	11.17	2.78

12 36 61 Simulated Stone Countertops *(12 36)*

12 36 61 16 Solid Surfacing Countertops *(12 36 61)*

12 36 61 16-0001 Solid Surface Countertops *(12 36 61 16)*

12 36 61 16-0002 Solid Surface Countertops *(12 36 61 16-0001)*

Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 16-0003	SF	1/4" Thick, Solid Color, Solid Surface Backsplash	33.92	6.20
		Note: Quantity based on area of backsplash. Excludes backing material such as cement or water resistant gypsum board.		
		For Up To 50, Add	*11.08*	
		For >50 To 100, Add	*6.42*	
12 36 61 16-0004	SF	1/2" Thick, Solid Color, Solid Surface Countertop Without Backsplash	54.50	9.28
		Note: Quantity based on area of counter, backsplash and apron. Includes drilling holes for fixtures and 1-1/2" drop edge with 1/8" radius edges (when apron not used).		
		For Up To 50, Add	*17.50*	
		For >50 To 100, Add	*10.44*	
		For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	*159.53*	
		For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	*201.72*	
		For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	*147.26*	
		For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	*140.36*	
		For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	*201.72*	
		For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	*201.72*	
		For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	*201.72*	
		For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	*201.72*	
		For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	*181.77*	
		Note: Single or double bowl.		
		For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	*316.00*	
		Note: Single or double bowl.		
		For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	*423.37*	
		Note: Single or double bowl.		
		For >3 SF Integral Single Basin Kitchen Sink, Add	*458.65*	
		Note: Single or double bowl.		
		For >3 SF Integral Double Basin Kitchen Sink, Add	*458.65*	
12 36 61 16-0005	SF	1/2" Thick, Solid Color, Solid Surface Countertop With 4" Backsplash	60.06	9.28
		For Up To 50, Add	*19.16*	
		For >50 To 100, Add	*11.55*	
		For Integral 16-7/16" x 13" x 5-1/4" Depth Lavatory Sink (Corian 810), Add	*159.53*	
		For Integral 20-7/16" x 14-7/16" x 6-1/8" Depth Lavatory Sink (Corian 815), Add	*201.72*	
		For Integral 17-3/8" x 10-13/16" x 5-1/2" Depth Lavatory Sink (Corian 816), Add	*147.26*	
		For Integral 14-3/4" x 10-1/2" x 5-1/2" Depth Lavatory Sink (Corian 820), Add	*140.36*	
		For Integral 18-7/8" x 13-3/4" x 5-7/8" Depth Lavatory Sink (Corian 830), Add	*201.72*	
		For Integral 20" x 13-3/8" x 6-1/4" Depth Lavatory Sink (Corian 831), Add	*201.72*	
		For Integral 19-3/4" x 14-1/4" x 5-7/8" Depth Lavatory Sink (Corian 835), Add	*201.72*	
		For Integral 17" x 14" x 6" Depth Lavatory Sink (Corian 837), Add	*201.72*	
		For Up To 1.5 SF Integral Single Basin Kitchen Sink, Add	*181.77*	
		Note: Single or double bowl.		
		For >1.5 To 2.25 SF Integral Single Basin Kitchen Sink, Add	*316.00*	
		Note: Single or double bowl.		
		For >2.25 To 3 SF Integral Single Basin Kitchen Sink, Add	*423.37*	
		Note: Single or double bowl.		
		For >3 SF Integral Single Basin Kitchen Sink, Add	*458.65*	
		Note: Single or double bowl.		
		For >3 SF Integral Double Basin Kitchen Sink, Add	*458.65*	
12 36 61 16-0006	LF	1/2" Thick, Solid Color, Solid Surface End Splash For Solid Surface Countertops	19.35	3.95
12 36 61 16-0007	EA	Cutout For Undercounter Sink In Solid Surface Countertop	139.28	
		Note: Not including integral seamed sinks		

12 36 61 16-0008 Integral Seamless Solid Surface Lavatory *(12 36 61 16-0001)*

Note: Includes sink cutout and hard seam of lavatory to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0009	EA	16-1/2" x 13-1/8"" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 810)	191.11	
12 36 61 16-0010	EA	20-7/16" x 14-7/16" x 6-1/8" Depth, Integral Solid Surface Lavatory Sink (Corian 815)	233.30	
12 36 61 16-0011	EA	17-3/8" x 10-13/16" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 816)	178.84	
12 36 61 16-0012	EA	14-3/4" x 10-1/2" x 5-1/2" Depth, Integral Solid Surface Lavatory Sink (Corian 820)	171.94	
12 36 61 16-0013	EA	18-7/8" x 13-3/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 830)	233.30	
12 36 61 16-0014	EA	20" x 13-3/8" x 6-1/4" Depth, Integral Solid Surface Lavatory Sink (Corian 831)	233.30	
12 36 61 16-0015	EA	19-3/4" x 14-1/4" x 5-7/8" Depth, Integral Solid Surface Lavatory Sink (Corian 835)	233.30	
12 36 61 16-0016	EA	17" x 14" x 6" Depth, Integral Solid Surface Lavatory Sink (Corian 837)	233.30	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 36 61 16-0017 Integral Seamless Solid Surface Kitchen Sink *(12 36 61 16-0001)*
Note: Includes sink cutout and hard seam of sink to countertop See CSI section 12 36 61 16-0002 for Solid Surface Countertops.

12 36 61 16-0018	EA	Up To 1.5 SF, Single Basin, Integral Solid Surface Kitchen Sink	256.06	
12 36 61 16-0019	EA	>1.5 To 2.25 SF, Single Basin, Integral Solid Surface Kitchen Sink	390.29	
12 36 61 16-0020	EA	>2.25 To 3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	497.66	
12 36 61 16-0021	EA	>3.0 SF, Single Basin, Integral Solid Surface Kitchen Sink	532.94	
12 36 61 16-0022	EA	>3.0 SF, Double Basin, Integral Solid Surface Kitchen Sink	532.94	

12 36 61 19 Quartz Agglomerate Countertops *(12 36 61)*

12 36 61 19-0001 Quartz Agglomerate Countertops *(12 36 61 19)*
Note: Includes finished ends and all edge types such as bullnose, ogee, roundover, bevel, etc.

12 36 61 19-0002	SF	3/4" Thick, Quartz Agglomerate Countertop Without Backsplash	81.26	20.43
12 36 61 19-0003	SF	1-1/4" Thick, Quartz Agglomerate Countertop Without Backsplash	97.20	20.43
12 36 61 19-0004	SF	3/4" Thick, Quartz Agglomerate Countertop With Backsplash	91.10	23.78
12 36 61 19-0005	SF	1-1/4" Thick, Quartz Agglomerate Countertop With Backsplash	107.02	23.78
12 36 61 19-0006	LF	Quartz Agglomerate Countertop End Splash For Quartz Agglomerate Countertops	14.73	3.95
12 36 61 19-0007	EA	Cutout For Sink And/Or Faucet In Quartz Agglomerate Countertop	139.28	

12 40 Furnishings and Accessories *(12)*

12 41 Office Accessories *(12 40)*

12 41 11 Office Accessories *(12 41)*

12 41 11 00-0001 Wall Mounted Office Accessories *(12 41 11)*

12 41 11 00-0002	EA	Manual Pencil Sharpener, Wall Mounted (Bostitch® BOSMPS1BLK)	17.52	3.16
12 41 11 00-0003	EA	Wall Mounted Flag	13.22	3.16

12 41 11 00-0004 Desk Edge Mounted Clamps *(12 41 11)*

12 41 11 00-0005	EA	Aluminum Desk Edge Clamp Mount Bracket For Plexiglass And Acrylic Panels Note: Adjustable hand screw mounting to fit 3/4" to 2" desk and table tops, clamp adjusts to support 1/8" to 3/8" thick panels.	25.82	
		For >10 To 50, Deduct	*-6.25*	
		For >50, Deduct	*-10.00*	

12 48 Rugs and Mats *(12 40)*

12 48 13 Entrance Floor Mats and Frames *(12 48)*

12 48 13 13 Entrance Floor Mats *(12 48 13)*

12 48 13 13-0001 Floor Mats *(12 48 13 13)*

12 48 13 13-0002	SF	3/8" Thick Solid Recessable Floor Mat	11.86	2.19
		For Colors, Add	*1.49*	
12 48 13 13-0003	SF	1/2" Thick Solid Recessable Floor Mat	14.16	2.19
		For Colors, Add	*1.95*	
12 48 13 13-0004	SF	3/8" Thick Perforated Recessable Floor Mat	12.44	2.19
		For Colors, Add	*1.61*	
12 48 13 13-0005	SF	1/2" Thick Perforated Recessable Floor Mat	14.74	2.19
		For Colors, Add	*2.07*	

12 48 13 13-0006 Link Mats *(12 48 13 13)*
Note: Includes nosing.

12 48 13 13-0007	SF	3/8" Link Mats, Aluminum	29.75	2.19
12 48 13 13-0008	SF	Black Rubber Link Mats With Galvanized Tie Rods	12.29	2.19
12 48 13 13-0009	SF	3/8" Thick, Galvanized Steel Link Mats	14.44	2.19
12 48 13 13-0010	SF	Vinyl Link Mats, Color	13.15	2.19
12 48 13 13-0011	LF	Rubber Nosing	3.92	0.96

12 48 13 13-0012 Duckboard *(12 48 13 13)*

12 48 13 13-0013	SF	Aluminum Slats	42.45	2.42
12 48 13 13-0014	SF	Hardwood Strips On Rubber Base	12.45	2.42
12 48 13 13-0015	SF	Assembled With Brass Rods And Vinyl Spacers	13.58	2.42
12 48 13 13-0016	SF	Tire Fabric, 3/4" Thick	15.94	2.42
12 48 13 13-0017	SF	Vinyl, 36" Wide, Hollow Top And Bottom	11.47	2.42
12 48 13 13-0018	SF	Vinyl, 36" Wide, Solid Top And Bottom	16.72	2.42

12 48 13 16 Entrance Floor Mat Frames *(12 48 13)*

12 48 13 16-0001 Recessed Frames *(12 48 13 16)*

12 48 13 16-0002	LF	Aluminum Recessed Embedded Frame	19.37	3.72
12 48 13 16-0003	LF	Bronze Recessed Embedded Frame	17.77	3.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

12 50 Furniture *(12)*

12 55 Detention Furniture *(12 50)*

12 55 13 Detention Bunks *(12 55)*

12 55 13 00-0001 Wall Mounted Single Bunks *(12 55 13)*
Note: 14 Gauge center pan, 7 gauge bracket, painted.

12 55 13 00-0002	EA	27" Wide x 80" Long x 12" High Wall Mounted Bunk	346.70	73.04
12 55 13 00-0003	EA	32" Wide x 80" Long x 12" High Wall Mounted Bunk	388.92	73.04
12 55 13 00-0004	EA	38" Wide x 80" Long x 12" High Wall Mounted Bunk	418.47	73.04

12 55 13 00-0005 Floor Supported Single Bunks *(12 55 13)*
Note: 14 Gauge center pan, 10 gauge steel brackets, 10 gauge formed steel legs, painted.

12 55 13 00-0006	EA	27" Wide x 80" Long x 12" High Floor Mounted Bunk	346.70	73.04
12 55 13 00-0007	EA	32" Wide x 80" Long x 12" High Floor Mounted Bunk	388.92	73.04
12 55 13 00-0008	EA	38" Wide x 80" Long x 12" High Floor Mounted Bunk	418.47	73.04
12 55 13 00-0009	EA	Up To 20, Floor Mounted Single Bunk, 75" x 27" x 16" High	682.93	101.89
12 55 13 00-0010	EA	>20, Floor Mounted Single Bunk, 75" x 27" x 16" High	587.10	101.89

12 55 13 00-0011 Floor Mounted Single Bunks *(12 55 13)*
Note: 14 Gauge center pan, 10 gauge formed steel legs, painted.

12 55 13 00-0012	EA	27" Wide x 80" Long x 16" High Floor Mounted Bunk	346.70	73.04
12 55 13 00-0013	EA	32" Wide x 80" Long x 16" High Floor Mounted Bunk	388.92	73.04
12 55 13 00-0014	EA	38" Wide x 80" Long x 16" High Floor Mounted Bunk	418.47	73.04

12 55 13 00-0015 Single Stackable Bunks *(12 55 13)*
Note: One piece, 10 gauge formed pan, 10 gauge formed steel legs, painted.

12 55 13 00-0016	EA	26" Wide x 76" Long x 32" High Stackable Bunk	355.14	73.04
12 55 13 00-0017	EA	31" Wide x 76" Long x 32" High Stackable Bunk	367.81	73.04

12 55 13 00-0018 Double Bunks *(12 55 13)*
Note: 14 Gauge center pans, 10 gauge formed steel legs, painted.

12 55 13 00-0019	EA	27" Wide x 80" Long x 52" High Double Bunk	606.50	97.40
12 55 13 00-0020	EA	32" Wide x 80" Long x 52" High Double Bunk	614.94	97.40
12 55 13 00-0021	EA	38" Wide x 80" Long x 52" High Double Bunk	650.83	97.40
12 55 13 00-0022	EA	Double Bunk Bed, 75" x 27", Up To 20	1,072.31	152.83
12 55 13 00-0023	EA	Double Bunk Bed, 75" x 27", Over 20	976.48	152.83

12 55 13 00-0024 Non-Removable Storage Drawers For Bunks/Beds *(12 55 13)*
Note: 14 Gauge drawer with 10 gauge formed steel guides, painted.

12 55 13 00-0025	EA	16" Long x 15" Wide x 7.75" Deep Non Removable Storage Drawer	155.37	36.53
12 55 13 00-0026	EA	24" Long x 23" Wide x 10" Deep Non Removable Storage Drawer	244.68	38.96

12 55 13 00-0027 Expanded Metal Convertible Beds *(12 55 13)*
Note: 1/2" #13 Flattened expanded metal pans, welded inside 2" x 1-1/2" x 3/16" angle iron frames, 10 gauge formed steel legs with floor mount, 1-1/2" 10 gauge bracing between leg assembly and frame.

12 55 13 00-0028	EA	27" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	356.08	73.04
12 55 13 00-0029	EA	32" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	373.59	73.04
12 55 13 00-0030	EA	38" Wide x 80" Long x 24" High Expanded Metal Convertible Bed	391.09	73.04
12 55 13 00-0031	EA	Adapter Kit For Converting Single Bed To Double Deck	50.59	

12 55 16 Detention Desks *(12 55)*

12 55 16 00-0001 Heavy Duty Desk With Swing Arm Seat *(12 55 16)*
Note: Includes 12" diameter 11 gauge stainless steel seat, cast iron swing arm, 10 gauge shelves, stainless steel towel bar, 10 gauge steel foot rest, painted.

12 55 16 00-0002	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 10 Gauge Steel Top	793.03	77.91
12 55 16 00-0003	EA	36.5" Long x 15.5" Deep x 30" High Desk With Swing Arm Seat, 11 Gauge Stainless Steel Top	998.98	77.91

12 55 16 00-0004 Institutional Desk And Seat *(12 55 16)*

12 55 16 00-0005	EA	Institutional Desk And Seat, Up To 20	874.59	101.89
12 55 16 00-0006	EA	Institutional Desk And Seat, Over 20	778.76	101.89
12 55 16 00-0007	EA	Institutional Desk, Up To 20	778.76	101.89
12 55 16 00-0008	EA	Institutional Desk, Over 20	682.93	101.89

12 55 19 Detention Stools *(12 55)*

12 55 19 00-0001 Heavy Duty Steel Bench *(12 55 19)*
Note: 10 Gauge formed steel seat with rounded corners and edges, painted.

12 55 19 00-0002	EA	48" Long x 18" High x 12" Wide Steel Bench	325.94	58.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 19 00-0003	EA	72" Long x 18" High x 12" Wide Steel Bench	390.56	63.31
12 55 19 00-0004	EA	96" Long x 18" High x 12" Wide Steel Bench	431.87	68.18

12 55 19 00-0005 Stationary Stools *(12 55 19)*

Note: 12" Diameter 11 gauge stainless steel seat, 18" high, 2" schedule 40 steel pipe with welded 6" x 6" 10 gauge steel base plate bolted to floor.

12 55 19 00-0006	EA	12" Diameter Stainless Steel Stationary Stool, 18" High	255.16	58.44
12 55 19 00-0007	EA	Floor Mounted Stool, 8" x 8" x 20"H, Up To 20	239.32	40.76
12 55 19 00-0008	EA	Floor Mounted Stool, 8" x 8" x 20"H, Over 20	254.75	40.76
12 55 19 00-0009	EA	Wall Mounted Swivel Stool, Up To 20	331.88	50.94
12 55 19 00-0010	EA	Wall Mounted Swivel Stool, Over 20	274.38	50.94

12 55 19 00-0011 Cell Bench *(12 55 19)*

Note: 1-3/4" Thick red oak bench top, polyurethane finish.

12 55 19 00-0012	EA	48" Long x 12" Wide Cell Bench, Red Oak	443.19	58.53
12 55 19 00-0013	EA	72" Long x 12" Wide Cell Bench, Red Oak	538.60	63.31
12 55 19 00-0014	EA	96" Long x 12" Wide Cell Bench, Red Oak	597.68	68.18

12 55 23 Detention Tables *(12 55)*

12 55 23 00-0001 Wall Mounted Table And Seat Set *(12 55 23)*

Note: 7 Gauge steel, painted.

12 55 23 00-0002	EA	18" x 12" Wall Mounted Table And Seat Set	211.36	41.40

12 55 23 00-0003 Heavy Duty Picnic Style Table *(12 55 23)*

Note: 10 Gauge steel, painted.

12 55 23 00-0004	EA	48" Long x 50" Wide x 30" High Steel Picnic - Style Table	832.23	73.04
12 55 23 00-0005	EA	72" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,053.06	77.91
12 55 23 00-0006	EA	96" Long x 50" Wide x 30" High Steel Picnic - Style Table	1,173.24	85.22
12 55 23 00-0007	EA	Picnic Table, 72" x 24" Up To 20	1,611.62	137.55
12 55 23 00-0008	EA	Picnic Table, 72" x 24" Over 20	1,419.96	137.55

12 55 23 00-0009 Heavy Duty Picnic Style Table *(12 55 23)*

Note: 11 Gauge stainless steel top and benches with 10 gauge steel table base parts, painted.

12 55 23 00-0010	EA	48" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	1,412.75	73.04
12 55 23 00-0011	EA	72" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	2,003.01	77.91
12 55 23 00-0012	EA	96" Long x 50" Wide x 30" High Stainless Steel Picnic - Style Table	2,123.19	85.22

12 55 23 00-0013 Heavy Duty Pedestal Style Table *(12 55 23)*

Note: 10 Gauge steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.

12 55 23 00-0014	EA	24" Long x 59" Wide x 30" High Steel Pedestal Table	733.94	60.87
12 55 23 00-0015	EA	65" Long x 65" Wide x 30" High Steel Pedestal Table	1,176.42	65.75
12 55 23 00-0016	EA	65" Long x 87" Wide x 30" High Steel Pedestal Table	1,729.40	73.04
12 55 23 00-0017	EA	12" Diameter Stainless Steel Replacement Seat	59.66	9.74

12 55 23 00-0018 Heavy Duty Pedestal Style Table *(12 55 23)*

Note: 11 Gauge stainless steel table top with 11 gauge stainless steel, 12" diameter table seats, painted.

12 55 23 00-0019	EA	24" Long x 59" Wide x 30" High Stainless Steel Pedestal Table	913.38	60.87
12 55 23 00-0020	EA	65" Long x 65" Wide x 30" High Stainless Steel Pedestal Table	1,556.40	65.75
12 55 23 00-0021	EA	65" Long x 87" Wide x 30" High Stainless Steel Pedestal Table	2,246.60	73.04
12 55 23 00-0022	EA	12" Diameter Gray-Primed Steel Replacement Seats	43.88	9.74
12 55 23 00-0023	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,379.21	117.17
12 55 23 00-0024	EA	4-MFIN, Pedestal Table, 39-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,187.55	117.17
12 55 23 00-0025	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	1,782.90	127.36
12 55 23 00-0026	EA	6-MRN, Pedestal Table, 63-1/2" x 39-1/2" Stainless Steel Table Top, Over 20	1,591.24	127.36
12 55 23 00-0027	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,569.92	137.55
12 55 23 00-0028	EA	8-MON, Pedestal Table, 87-1/2" x 39-1/2" Stainless Steel Table Top, Up To 20	2,186.60	137.55

12 55 26 Detention Safety Clothes Hooks *(12 55)*

12 55 26 00-0001	EA	Collapsible Clothes Hook, Screw Type	56.03	19.14
12 55 26 00-0002	EA	Collapsible Clothes Hook, Weld-On Type	54.65	19.48
12 55 26 00-0003	EA	8" x 18" Storage Shelf	237.93	38.96
		Note: With four collapsible clothes hooks on 11" x 18" back plate, welded steel plates, anchors.		
12 55 26 00-0004	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Up To 20	273.17	40.76
12 55 26 00-0005	EA	Shelf With Safety Clothes Hook, 16"Wx8"Deep, Over 20	225.25	40.76
12 55 26 00-0006	EA	Safety Clothes Hook, Up To 20	112.93	22.92
12 55 26 00-0007	EA	Safety Clothes Hook, Over 20	132.00	22.92

12 55 86 Detention Control Room Furniture *(12 55)*

12 55 86 00-0001	EA	TV Wall Mount, 22-1/4" Wide x 13-1/2" Deep Tray, Single-Arm	226.66	71.79
12 55 86 00-0002	EA	Wall Mounted TV Shelf, 24"W x 24"Deep, Up To 20	536.15	76.41
12 55 86 00-0003	EA	Wall Mounted TV Shelf, 24"W x 24"Deep, Over 20	488.23	76.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 55 86 00-0004	EA	Speaking Device With 6" Diameter Stainless Steel Cover Plates Note: Includes neoprene gaskets, baffle, wire cloth and security screws.	1,211.10	30.56
12 55 86 00-0005	EA	1" Diameter, 3/16" Thick, Stainless Steel Shower Curtain Rod With 12 Gauge Hooks	530.09	25.47
12 55 86 00-0006	LF	20" Depth, 10 Gauge Steel, Wall Mounted Bench	260.55	15.29
12 55 86 00-0007	LF	20" Depth, 10 Gauge Steel, Floor Mounted Bench	312.96	12.74

12 56 Institutional Furniture *(12 50)*

12 56 39 Lecterns *(12 56)*

12 56 39 00-0001 Lectern *(12 56 39)*

12 56 39 00-0002	EA	CON 1500-32 Van Oak Lectern	3,949.81	41.01

12 56 53 Laboratory Furniture *(12 56)*

12 56 53 00-0001 Steel Laboratory Furniture *(12 56 53)*

12 56 53 00-0002 Modular Steel Laboratory Cabinets *(12 56 53 00-0001)*

12 56 53 00-0003 29-3/8" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*

12 56 53 00-0004	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	785.95	80.26
12 56 53 00-0005	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	784.40	80.26
12 56 53 00-0006	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	857.73	87.60
12 56 53 00-0007	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	816.04	87.60
12 56 53 00-0008	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	968.39	98.85
12 56 53 00-0009	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	999.42	102.10
12 56 53 00-0010	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,102.27	112.60
12 56 53 00-0011	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,144.99	116.97
12 56 53 00-0012	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,111.99	113.53
12 56 53 00-0013	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,115.87	113.99
12 56 53 00-0014	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,179.91	120.50
12 56 53 00-0015	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,154.65	117.90
12 56 53 00-0016	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,542.86	157.56
12 56 53 00-0017	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,571.67	160.54
12 56 53 00-0018	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,734.91	177.17
12 56 53 00-0019	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,762.30	179.96
12 56 53 00-0020	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	1,614.77	164.90
12 56 53 00-0021	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	1,796.93	183.58
12 56 53 00-0022	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 2 Drawer, Modular Steel Laboratory Base Cabinet	1,744.42	183.58
12 56 53 00-0023	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	1,631.49	166.30
12 56 53 00-0024	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	1,617.60	166.30
12 56 53 00-0025	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	1,746.58	178.38
12 56 53 00-0026	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	1,734.27	178.09
12 56 53 00-0027	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	1,897.41	193.61
12 56 53 00-0028	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	1,954.17	199.56
12 56 53 00-0029	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,138.38	218.33
12 56 53 00-0030	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,188.62	223.53
12 56 53 00-0031	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,826.16	186.46
12 56 53 00-0032	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,717.48	175.40
12 56 53 00-0033	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,940.64	198.16
12 56 53 00-0034	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,845.54	188.50
12 56 53 00-0035	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,070.81	211.45
12 56 53 00-0036	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,070.81	211.45
12 56 53 00-0037	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,266.40	231.43
12 56 53 00-0038	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,185.18	223.16
12 56 53 00-0039	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,538.37	259.21
12 56 53 00-0040	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,547.63	259.30
12 56 53 00-0041	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,767.40	282.62
12 56 53 00-0042	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,794.57	285.40
12 56 53 00-0043	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,106.99	317.27
12 56 53 00-0044	EA	30" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,204.06	327.21
12 56 53 00-0045	EA	36" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,042.89	327.03
12 56 53 00-0046	EA	42" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,396.02	346.81
12 56 53 00-0047	EA	48" Wide x 29-3/8" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,318.47	338.91
12 56 53 00-0048	EA	15" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	1,474.86	150.60
12 56 53 00-0049	EA	18" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	1,436.25	150.97
12 56 53 00-0050	EA	21" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	1,538.91	157.10
12 56 53 00-0051	EA	24" Wide x 29-3/8" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	1,500.30	157.10
12 56 53 00-0052	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	2,066.73	211.08
12 56 53 00-0053	EA	32-7/8" Wide x 29-3/8" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	1,787.31	182.46

12 56 53 00-0054 35-1/4" High x 21-5/8" Deep, Modular Steel Laboratory Base Cabinets *(12 56 53 00-0002)*

12 56 53 00-0055	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	822.83	84.08
12 56 53 00-0056	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	818.19	84.08
12 56 53 00-0057	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	869.42	88.82
12 56 53 00-0058	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	840.30	85.94
12 56 53 00-0059	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	995.54	101.73
12 56 53 00-0060	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,044.06	106.37

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0061	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,113.92	113.81
12 56 53 00-0062	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Open, Modular Steel Laboratory Base Cabinet	1,156.61	118.45
12 56 53 00-0063	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,166.33	118.91
12 56 53 00-0064	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,166.33	118.91
12 56 53 00-0065	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,238.12	126.35
12 56 53 00-0066	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,223.56	128.21
12 56 53 00-0067	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,616.54	164.90
12 56 53 00-0068	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,659.22	169.09
12 56 53 00-0069	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,783.47	182.10
12 56 53 00-0070	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Door Cabinet With Shelf, Modular Steel Laboratory Base Cabinet	1,824.20	186.27
12 56 53 00-0071	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	1,797.05	183.49
12 56 53 00-0072	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Tilt-Out Door With Removable Bin, Modular Steel Laboratory Base Cabinet	1,847.51	188.59
12 56 53 00-0073	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	1,971.53	201.13
12 56 53 00-0074	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,130.58	217.40
12 56 53 00-0075	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 3 Drawer, Modular Steel Laboratory Base Cabinet	2,116.92	217.40
12 56 53 00-0076	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,938.69	197.42
12 56 53 00-0077	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	1,079.31	198.35
12 56 53 00-0078	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,037.66	208.10
12 56 53 00-0079	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,005.23	208.10
12 56 53 00-0080	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,245.29	229.29
12 56 53 00-0081	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,334.61	238.39
12 56 53 00-0082	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,479.62	253.26
12 56 53 00-0083	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 4 Drawer, Modular Steel Laboratory Base Cabinet	2,538.37	259.21
12 56 53 00-0084	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,066.96	210.90
12 56 53 00-0085	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,208.39	225.29
12 56 53 00-0086	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,221.84	226.69
12 56 53 00-0087	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,307.37	235.51
12 56 53 00-0088	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,664.50	272.21
12 56 53 00-0089	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,755.68	281.50
12 56 53 00-0090	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,893.37	295.43
12 56 53 00-0091	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 5 Drawer, Modular Steel Laboratory Base Cabinet	2,895.52	295.43
12 56 53 00-0092	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,237.01	330.74
12 56 53 00-0093	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,263.95	333.07
12 56 53 00-0094	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,330.52	340.03
12 56 53 00-0095	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,512.23	359.07
12 56 53 00-0096	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 8 Drawer, Modular Steel Laboratory Base Cabinet	3,523.49	360.00
12 56 53 00-0097	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	3,574.73	365.02
12 56 53 00-0098	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	3,743.45	382.30
12 56 53 00-0099	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	3,815.21	389.64
12 56 53 00-0100	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	3,912.25	399.49
12 56 53 00-0101	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 10 Drawer, Modular Steel Laboratory Base Cabinet	4,019.21	410.45
12 56 53 00-0102	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	1,506.00	153.75
12 56 53 00-0103	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	1,533.01	156.55
12 56 53 00-0104	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	1,538.91	157.01
12 56 53 00-0105	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	1,573.67	160.72
12 56 53 00-0106	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,070.81	211.45
12 56 53 00-0107	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,132.93	217.77
12 56 53 00-0108	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,284.02	233.28
12 56 53 00-0109	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, 1 Drawer Over Cupboard, Modular Steel Laboratory Base Cabinet	2,316.91	236.44
12 56 53 00-0110	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Standard Corner, Modular Steel Laboratory Base Cabinet	2,148.58	219.25
12 56 53 00-0111	EA	32-7/8" Wide x 35-1/4" High x 21-5/8" Deep, Hexagon Corner, Modular Steel Laboratory Base Cabinet	1,993.45	203.46
12 56 53 00-0112	EA	15" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,057.64	108.04
12 56 53 00-0113	EA	18" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,071.23	109.34
12 56 53 00-0114	EA	21" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,115.87	113.81
12 56 53 00-0115	EA	24" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,119.74	114.28
12 56 53 00-0116	EA	30" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,465.21	149.67
12 56 53 00-0117	EA	36" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,498.20	153.02
12 56 53 00-0118	EA	42" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,597.11	163.05
12 56 53 00-0119	EA	48" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,602.94	163.69
12 56 53 00-0120	EA	52" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	1,851.34	189.06
12 56 53 00-0121	EA	58" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,037.66	208.10
12 56 53 00-0122	EA	60" Wide x 35-1/4" High x 21-5/8" Deep, Sink, Modular Steel Laboratory Base Cabinet	2,130.82	217.58

12 56 53 00-0123 25-3/16" High x 16" Deep, Modular Steel Laboratory Wall Cabinets *(12 56 53 00-0002)*

12 56 53 00-0124	EA	15" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	782.08	79.90
12 56 53 00-0125	EA	18" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	807.29	82.40
12 56 53 00-0126	EA	21" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	813.12	83.06
12 56 53 00-0127	EA	24" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	834.47	85.19
12 56 53 00-0128	EA	30" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	873.29	89.19
12 56 53 00-0129	EA	36" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	892.69	91.13
12 56 53 00-0130	EA	42" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	972.25	99.31
12 56 53 00-0131	EA	48" Wide x 25-3/16" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	983.90	100.43
12 56 53 00-0132	EA	15" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,156.61	118.08
12 56 53 00-0133	EA	18" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,185.72	121.05
12 56 53 00-0134	EA	21" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,212.90	123.84
12 56 53 00-0135	EA	24" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,238.12	126.45
12 56 53 00-0136	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,505.96	153.75
12 56 53 00-0137	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,525.36	155.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0138	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,663.11	169.83
12 56 53 00-0139	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,668.95	170.48
12 56 53 00-0140	EA	15" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,352.61	138.15
12 56 53 00-0141	EA	18" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,397.26	142.70
12 56 53 00-0142	EA	21" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,420.53	145.02
12 56 53 00-0143	EA	24" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,445.76	147.62
12 56 53 00-0144	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,026.03	206.90
12 56 53 00-0145	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,066.80	211.08
12 56 53 00-0146	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,187.07	223.34
12 56 53 00-0147	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,225.91	227.34
12 56 53 00-0148	EA	25-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,851.34	189.06
12 56 53 00-0149	EA	28-23/32" Wide x 25-3/16" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,049.33	209.31
12 56 53 00-0150	EA	30" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	1,559.88	153.75
12 56 53 00-0151	EA	36" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	1,579.98	155.80
12 56 53 00-0152	EA	42" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	1,722.67	169.83
12 56 53 00-0153	EA	48" Wide x 25-3/16" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	1,728.71	170.39
12 56 53 00-0154	EA	30" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	2,098.58	206.90
12 56 53 00-0155	EA	36" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	2,140.81	211.08
12 56 53 00-0156	EA	42" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	2,265.39	223.34
12 56 53 00-0157	EA	48" Wide x 25-3/16" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	2,305.62	227.34

12 56 53 00-0158 31" High x 16" Deep, Modular Steel Laboratory Wall Cabinets *(12 56 53 00-0002)*

12 56 53 00-0159	EA	15" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	853.88	87.33
12 56 53 00-0160	EA	18" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	879.11	89.65
12 56 53 00-0161	EA	21" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	882.99	90.12
12 56 53 00-0162	EA	24" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	892.69	91.04
12 56 53 00-0163	EA	30" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	948.98	97.08
12 56 53 00-0164	EA	36" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	976.15	99.40
12 56 53 00-0165	EA	42" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,158.56	118.45
12 56 53 00-0166	EA	48" Wide x 31" High x 16" Deep, Open, Modular Steel Laboratory Wall Cabinet	1,183.80	120.78
12 56 53 00-0167	EA	15" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,205.15	123.10
12 56 53 00-0168	EA	18" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,236.17	126.35
12 56 53 00-0169	EA	21" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,257.54	128.67
12 56 53 00-0170	EA	24" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,317.70	134.25
12 56 53 00-0171	EA	30" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,628.22	166.30
12 56 53 00-0172	EA	36" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,651.48	168.63
12 56 53 00-0173	EA	42" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,835.81	187.66
12 56 53 00-0174	EA	48" Wide x 31" High x 16" Deep, Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	1,872.68	191.38
12 56 53 00-0175	EA	15" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,434.11	146.32
12 56 53 00-0176	EA	18" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,476.84	150.51
12 56 53 00-0177	EA	21" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,498.16	152.82
12 56 53 00-0178	EA	24" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	1,536.99	157.01
12 56 53 00-0179	EA	30" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,092.01	213.21
12 56 53 00-0180	EA	36" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,152.17	219.72
12 56 53 00-0181	EA	42" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,507.26	255.95
12 56 53 00-0182	EA	48" Wide x 31" High x 16" Deep, Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,378.79	227.15
12 56 53 00-0183	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Solid Swinging Door, Modular Steel Laboratory Wall Cabinet	2,049.25	209.50
12 56 53 00-0184	EA	25-23/32" Wide x 31" High x 16" Deep, Corner 18" Glass Swinging Door, Modular Steel Laboratory Wall Cabinet	2,439.37	249.44
12 56 53 00-0185	EA	30" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	1,686.52	166.30
12 56 53 00-0186	EA	36" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	1,710.62	168.63
12 56 53 00-0187	EA	42" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	1,901.55	187.48
12 56 53 00-0188	EA	48" Wide x 31" High x 16" Deep, Solid Sliding Door, Modular Steel Laboratory Wall Cabinet	1,939.74	191.19
12 56 53 00-0189	EA	30" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	2,166.92	213.68
12 56 53 00-0190	EA	36" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	2,229.24	219.81
12 56 53 00-0191	EA	42" Wide x 31" High x 16" Deep, Glass Sliding Door, Modular Steel Laboratory Wall Cabinet	2,597.04	256.04
12 56 53 00-0192	EA	48" Wide Glass Sliding Door Cases	2,465.38	227.34

12 56 53 00-0193 Wood Laboratory Furniture *(12 56 53)*

Note: Laboratory Grade with chemical resistant finish, premium quality mill-made modular units, prefinished with solid 3/4" hardwood face frames, solid 3/4" hardwood door frames and drawer fronts, hardwood veneer on raised door panels (front and back), glued mortise, dowel, and dado joint construction, full backs, mitered corners and solid wood drawer bodies with steel guides and ball bearings. Includes self-closing hinges, door and drawer pulls, mounting hardware and adjustable shelves.

12 56 53 00-0194 Wood Laboratory Cabinets *(12 56 53 00-0193)*

12 56 53 00-0195 28-1/2" High x 21-1/2" Deep, Wood Laboratory Base Cabinets *(12 56 53 00-0194)*

12 56 53 00-0196	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	688.47	73.40
12 56 53 00-0197	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	710.81	75.72
12 56 53 00-0198	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	733.13	78.04
12 56 53 00-0199	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	755.45	80.83
12 56 53 00-0200	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	839.22	89.65
12 56 53 00-0201	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	895.04	95.23
12 56 53 00-0202	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	935.98	99.40
12 56 53 00-0203	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Open, Wood Laboratory Base Cabinet	986.23	104.98
12 56 53 00-0204	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	837.36	89.19
12 56 53 00-0205	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	867.13	92.43
12 56 53 00-0206	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	885.73	94.30

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0207	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	909.90	97.08
12 56 53 00-0208	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,170.47	124.49
12 56 53 00-0209	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,242.80	132.39
12 56 53 00-0210	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,283.93	136.57
12 56 53 00-0211	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Door Cabinet With Shelf, Wood Laboratory Base Cabinet	1,334.35	142.15
12 56 53 00-0212	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,229.84	130.99
12 56 53 00-0213	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,272.93	135.64
12 56 53 00-0214	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,306.28	139.35
12 56 53 00-0215	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 3 Drawer, Wood Laboratory Base Cabinet	1,350.99	143.54
12 56 53 00-0216	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,250.45	132.85
12 56 53 00-0217	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,300.70	138.89
12 56 53 00-0218	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,337.91	142.61
12 56 53 00-0219	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,380.72	147.25
12 56 53 00-0220	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	1,955.73	208.10
12 56 53 00-0221	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,072.85	220.65
12 56 53 00-0222	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,115.61	225.29
12 56 53 00-0223	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 6 Drawer, Wood Laboratory Base Cabinet	2,199.42	234.12
12 56 53 00-0224	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	2,240.40	238.30
12 56 53 00-0225	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	2,344.56	249.91
12 56 53 00-0226	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	2,413.33	257.34
12 56 53 00-0227	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, 8 Drawer, Wood Laboratory Base Cabinet	2,497.12	266.17
12 56 53 00-0228	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	926.65	98.94
12 56 53 00-0229	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	960.16	102.66
12 56 53 00-0230	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	980.63	104.51
12 56 53 00-0231	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, 1 Drawer Over Cupboard, Wood Laboratory Base Cabinet	1,008.54	107.31
12 56 53 00-0232	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	1,496.06	159.33
12 56 53 00-0233	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	1,564.92	166.67
12 56 53 00-0234	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	1,609.56	171.41
12 56 53 00-0235	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Double Drawer Over Cupboard, Wood Laboratory Base	1,667.28	177.54
12 56 53 00-0236	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner, Wood Laboratory Base Cabinet	1,953.82	208.10
12 56 53 00-0237	EA	35" Wide x 28-1/2" High x 21-1/2" Deep, Diagonal Corner With Lazy Susan, Wood Laboratory Base Cabinet	2,165.89	230.87
12 56 53 00-0238	EA	15" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	762.91	81.29
12 56 53 00-0239	EA	18" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	787.11	83.80
12 56 53 00-0240	EA	21" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	801.98	85.38
12 56 53 00-0241	EA	24" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	820.60	87.42
12 56 53 00-0242	EA	30" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,051.34	111.95
12 56 53 00-0243	EA	36" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,105.30	117.71
12 56 53 00-0244	EA	42" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,136.93	121.05
12 56 53 00-0245	EA	48" Wide x 28-1/2" High x 21-1/2" Deep, Sink, Wood Laboratory Base Cabinet	1,170.41	124.68

12 56 53 00-0246 35-3/4" High x 22" Deep, Wood Laboratory Base Cabinets *(12 56 53 00-0194)*

12 56 53 00-0247	EA	24" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,206.22	128.45
12 56 53 00-0248	EA	30" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,562.23	166.08
12 56 53 00-0249	EA	36" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,573.23	167.53
12 56 53 00-0250	EA	48" Wide x 35-3/4" High x 22" Deep, 2 Swinging Door, Wood Laboratory Base Cabinet	1,814.48	193.22
12 56 53 00-0251	EA	24" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	1,977.39	210.56
12 56 53 00-0252	EA	30" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,218.60	236.26
12 56 53 00-0253	EA	36" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,373.27	252.73
12 56 53 00-0254	EA	48" Wide x 35-3/4" High x 22" Deep, 4 Drawer, Wood Laboratory Base Cabinet	2,810.38	299.28
12 56 53 00-0255	EA	24" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	1,453.65	154.41
12 56 53 00-0256	EA	30" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,002.10	213.19
12 56 53 00-0257	EA	36" Wide x 35-3/4" High x 22" Deep, Combination Door/Drawer, Wood Laboratory Base Cabinet	2,082.53	221.77
12 56 53 00-0258	EA	48" Wide Base Cabinet With Combination Door/Drawer	2,327.90	247.89

12 56 53 00-0259 30-5/8" High x 13" Deep, Wood Laboratory Wall Cabinets *(12 56 53 00-0194)*

12 56 53 00-0260	EA	15" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	818.74	87.33
		For 36" Height Cabinet, Add	*119.20*	
12 56 53 00-0261	EA	18" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	850.38	90.12
		For 36" Height Cabinet, Add	*123.81*	
12 56 53 00-0262	EA	21" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	872.70	92.91
		For 36" Height Cabinet, Add	*127.06*	
12 56 53 00-0263	EA	24" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	796.41	84.54
		For 36" Height Cabinet, Add	*115.95*	
12 56 53 00-0264	EA	30" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	915.51	97.55
		For 36" Height Cabinet, Add	*133.29*	
12 56 53 00-0265	EA	36" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	991.80	105.44
		For 36" Height Cabinet, Add	*144.40*	
12 56 53 00-0266	EA	42" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,036.45	110.55
		For 36" Height Cabinet, Add	*150.90*	
12 56 53 00-0267	EA	48" Wide x 30-5/8" High x 13" Deep, Open, Wood Laboratory Wall Cabinet	1,097.88	116.59
		For 36" Height Cabinet, Add	*159.84*	
12 56 53 00-0268	EA	15" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	898.76	95.69
		For 36" Height Cabinet, Add	*130.85*	
12 56 53 00-0269	EA	18" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	939.70	100.34
		For 36" Height Cabinet, Add	*136.81*	
12 56 53 00-0270	EA	21" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	2,173.69	1,049.82
		For 36" Height Cabinet, Add	*14.33*	
12 56 53 00-0271	EA	24" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,010.40	107.31
		For 36" Height Cabinet, Add	*147.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0272	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,321.18	140.74
		For 36" Height Cabinet, Add	*192.35*	
12 56 53 00-0273	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,423.50	151.43
		For 36" Height Cabinet, Add	*207.25*	
12 56 53 00-0274	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,488.63	158.86
		For 36" Height Cabinet, Add	*216.74*	
12 56 53 00-0275	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,566.77	166.76
		For 36" Height Cabinet, Add	*228.12*	
12 56 53 00-0276	EA	15" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,006.68	107.31
		For 36" Height Cabinet, Add	*146.57*	
12 56 53 00-0277	EA	18" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,045.76	111.48
		For 36" Height Cabinet, Add	*152.26*	
12 56 53 00-0278	EA	21" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,075.52	114.28
		For 36" Height Cabinet, Add	*156.59*	
12 56 53 00-0279	EA	24" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,116.46	118.91
		For 36" Height Cabinet, Add	*162.55*	
12 56 53 00-0280	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,538.86	163.98
		For 36" Height Cabinet, Add	*224.05*	
12 56 53 00-0281	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,637.50	174.19
		For 36" Height Cabinet, Add	*238.41*	
12 56 53 00-0282	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,682.11	179.30
		For 36" Height Cabinet, Add	*244.91*	
12 56 53 00-0283	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,784.47	189.99
		For 36" Height Cabinet, Add	*259.81*	
12 56 53 00-0284	EA	30" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,377.01	146.32
		For 36" Height Cabinet, Add	*200.48*	
12 56 53 00-0285	EA	36" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,486.57	158.40
		For 36" Height Cabinet, Add	*216.47*	
12 56 53 00-0286	EA	42" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,587.14	169.09
		For 36" Height Cabinet, Add	*231.09*	
12 56 53 00-0287	EA	48" Wide x 30-5/8" High x 13" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,698.80	181.16
		For 36" Height Cabinet, Add	*247.35*	
12 56 53 00-0288	EA	30" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	1,663.75	176.98
		For 36" Height Cabinet, Add	*242.20*	
12 56 53 00-0289	EA	36" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	1,767.90	188.13
		For 36" Height Cabinet, Add	*257.38*	
12 56 53 00-0290	EA	42" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	1,823.54	194.17
		For 36" Height Cabinet, Add	*265.50*	
12 56 53 00-0291	EA	48" Wide x 30-5/8" High x 13" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	1,924.00	204.86
		For 36" Height Cabinet, Add	*280.13*	
12 56 53 00-0292	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	2,028.44	216.00
		For 36" Height Cabinet, Add	*295.30*	
12 56 53 00-0293	EA	23-1/2" Wide x 30-5/8" High x 13" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	2,111.91	225.29
		For 36" Height Cabinet, Add	*307.50*	

12 56 53 00-0294 30-5/8" High x 16" Deep, Wood Laboratory Wall Cabinets *(12 56 53 00-0194)*

12 56 53 00-0295	EA	30" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,012.26	107.77
		For 36" Height Cabinet, Add	*147.38*	
12 56 53 00-0296	EA	36" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,109.02	117.99
		For 36" Height Cabinet, Add	*161.47*	
12 56 53 00-0297	EA	42" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,162.99	124.03
		For 36" Height Cabinet, Add	*169.32*	
12 56 53 00-0298	EA	48" Wide x 30-5/8" High x 16" Deep, Open, Wood Laboratory Wall Cabinet	1,235.58	130.99
		For 36" Height Cabinet, Add	*179.89*	
12 56 53 00-0299	EA	15" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	941.56	100.34
		For 36" Height Cabinet, Add	*137.09*	
12 56 53 00-0300	EA	18" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	991.80	105.91
		For 36" Height Cabinet, Add	*144.40*	
12 56 53 00-0301	EA	21" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,021.53	109.16
		For 36" Height Cabinet, Add	*148.74*	
12 56 53 00-0302	EA	24" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,064.37	112.87
		For 36" Height Cabinet, Add	*154.97*	
12 56 53 00-0303	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,397.48	148.65
		For 36" Height Cabinet, Add	*203.46*	
12 56 53 00-0304	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,516.55	161.18
		For 36" Height Cabinet, Add	*220.80*	
12 56 53 00-0305	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,583.53	169.09
		For 36" Height Cabinet, Add	*230.55*	
12 56 53 00-0306	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Swinging Door, Wood Laboratory Wall Cabinet	1,672.81	177.91
		For 36" Height Cabinet, Add	*243.56*	
12 56 53 00-0307	EA	15" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,053.19	112.41
		For 36" Height Cabinet, Add	*153.34*	
12 56 53 00-0308	EA	18" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,084.85	115.67
		For 36" Height Cabinet, Add	*157.95*	
12 56 53 00-0309	EA	21" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,120.17	118.91
		For 36" Height Cabinet, Add	*163.09*	
12 56 53 00-0310	EA	24" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,177.87	125.42
		For 36" Height Cabinet, Add	*171.49*	
12 56 53 00-0311	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,605.87	170.94
		For 36" Height Cabinet, Add	*233.80*	
12 56 53 00-0312	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,732.40	184.42
		For 36" Height Cabinet, Add	*252.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0313	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,786.30	190.46
		For 36" Height Cabinet, Add	*260.08*	
12 56 53 00-0314	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Swinging Door, Wood Laboratory Wall Cabinet	1,901.71	202.54
		For 36" Height Cabinet, Add	*276.88*	
12 56 53 00-0315	EA	30" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,442.16	153.29
		For 36" Height Cabinet, Add	*209.96*	
12 56 53 00-0316	EA	36" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,594.48	170.02
		For 36" Height Cabinet, Add	*232.18*	
12 56 53 00-0317	EA	42" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,674.60	178.38
		For 36" Height Cabinet, Add	*243.83*	
12 56 53 00-0318	EA	48" Wide x 30-5/8" High x 16" Deep, Solid Sliding Door, Wood Laboratory Wall Cabinet	1,790.17	190.92
		For 36" Height Cabinet, Add	*260.63*	
12 56 53 00-0319	EA	30" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	1,738.22	184.88
		For 36" Height Cabinet, Add	*253.04*	
12 56 53 00-0320	EA	36" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	1,847.92	196.50
		For 36" Height Cabinet, Add	*269.03*	
12 56 53 00-0321	EA	42" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	1,922.18	204.86
		For 36" Height Cabinet, Add	*279.86*	
12 56 53 00-0322	EA	48" Wide x 30-5/8" High x 16" Deep, Glass Sliding Door, Wood Laboratory Wall Cabinet	2,026.32	215.53
		For 36" Height Cabinet, Add	*295.03*	
12 56 53 00-0323	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Solid Swinging Door, Wood Laboratory Wall Cabinet	2,123.31	226.22
		For 36" Height Cabinet, Add	*309.12*	
12 56 53 00-0324	EA	26-1/2" Wide x 30-5/8" High x 16" Deep, Corner With Glass Swinging Door, Wood Laboratory Wall Cabinet	2,191.87	233.65
		For 36" Height Cabinet, Add	*319.15*	

12 56 53 00-0325 Plastic Laminate Laboratory Furniture *(12 56 53)*

12 56 53 00-0326 Plastic Laminate Laboratory Cabinets *(12 56 53 00-0325)*

12 56 53 00-0327 28-1/2" High x 22.3" Deep, Plastic Laminate Laboratory Base Cabinet *(12 56 53 00-0326)*

12 56 53 00-0328	EA	15" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	603.74	73.30
12 56 53 00-0329	EA	18" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	623.33	75.72
12 56 53 00-0330	EA	21" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	642.90	78.04
12 56 53 00-0331	EA	24" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	662.47	80.46
12 56 53 00-0332	EA	30" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	735.94	89.37
12 56 53 00-0333	EA	36" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	784.89	95.32
12 56 53 00-0334	EA	42" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	820.79	99.68
12 56 53 00-0335	EA	48" Wide x 28-1/2" High x 22.3" Deep, Open, Plastic Laminate Laboratory Base Cabinet	864.86	105.07
12 56 53 00-0336	EA	15" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	734.30	89.19
12 56 53 00-0337	EA	18" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	760.41	92.34
12 56 53 00-0338	EA	21" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	776.72	94.30
12 56 53 00-0339	EA	24" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	797.91	96.90
12 56 53 00-0340	EA	30" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,026.43	124.68
12 56 53 00-0341	EA	36" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,089.83	132.29
12 56 53 00-0342	EA	42" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,125.92	136.75
12 56 53 00-0343	EA	48" Wide x 28-1/2" High x 22.3" Deep, Door Cabinet With Shelf, Plastic Laminate Laboratory Base Cabinet	1,170.15	142.15
12 56 53 00-0344	EA	15" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,078.47	130.90
12 56 53 00-0345	EA	18" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,116.29	135.64
12 56 53 00-0346	EA	21" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,145.52	139.17
12 56 53 00-0347	EA	24" Wide x 28-1/2" High x 22.3" Deep, 3 Drawer, Plastic Laminate Laboratory Base Cabinet	1,184.73	143.91
12 56 53 00-0348	EA	15" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,096.56	133.13
12 56 53 00-0349	EA	18" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,140.62	138.52
12 56 53 00-0350	EA	21" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,173.25	142.52
12 56 53 00-0351	EA	24" Wide x 28-1/2" High x 22.3" Deep, 4 Drawer, Plastic Laminate Laboratory Base Cabinet	1,210.80	147.07
12 56 53 00-0352	EA	15" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	872.57	89.19
12 56 53 00-0353	EA	18" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	904.39	92.43
12 56 53 00-0354	EA	21" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	923.69	94.30
12 56 53 00-0355	EA	24" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	948.81	97.08
12 56 53 00-0356	EA	30" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,388.40	168.63
12 56 53 00-0357	EA	36" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,491.47	181.16
12 56 53 00-0358	EA	42" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,528.51	185.81
12 56 53 00-0359	EA	48" Wide x 28-1/2" High x 22.3" Deep, Combination Door/Drawer, Plastic Laminate Laboratory Base Cabinet	1,602.24	194.63
12 56 53 00-0360	EA	15" Wide Cabinet, 1 Drawer Over Cupboard	812.60	98.67
12 56 53 00-0361	EA	18" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinets	841.99	102.29
12 56 53 00-0362	EA	21" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	859.94	104.42
12 56 53 00-0363	EA	24" Wide x 28-1/2" High x 22.3" Deep, 1 Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	884.42	107.40
12 56 53 00-0364	EA	30" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,311.94	159.33
12 56 53 00-0365	EA	36" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,372.33	166.67
12 56 53 00-0366	EA	42" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,411.47	171.41
12 56 53 00-0367	EA	48" Wide x 28-1/2" High x 22.3" Deep, Double Drawer Over Cupboard, Plastic Laminate Laboratory Base Cabinet	1,462.08	177.54
12 56 53 00-0368	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner, Plastic Laminate Laboratory Base Cabinet	1,713.43	208.10
12 56 53 00-0369	EA	22.3" Wide x 28-1/2" High x 22.3" Deep, Diagonal Corner With Lazy Susan, Plastic Laminate Laboratory Base Cabinet	1,899.33	230.68
12 56 53 00-0370	EA	15" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	669.02	81.29
12 56 53 00-0371	EA	18" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	690.24	83.80
12 56 53 00-0372	EA	21" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	703.28	85.38
12 56 53 00-0373	EA	24" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	719.60	87.42
12 56 53 00-0374	EA	30" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	921.95	111.95
12 56 53 00-0375	EA	36" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	969.26	117.71
12 56 53 00-0376	EA	42" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	997.01	121.05
12 56 53 00-0377	EA	48" Wide x 28-1/2" High x 22.3" Deep, Sink, Plastic Laminate Laboratory Base Cabinet	1,026.37	124.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0378		**30.6" High x 12" Deep, Plastic Laminate Laboratory Wall Cabinet** *(12 56 53 00-0326)*		
12 56 53 00-0379	EA	15" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	717.98	87.24
		For 36" Height Cabinet, Add	*100.56*	
12 56 53 00-0380	EA	18" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	745.72	90.58
		For 36" Height Cabinet, Add	*104.45*	
12 56 53 00-0381	EA	21" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	765.30	92.91
		For 36" Height Cabinet, Add	*107.19*	
12 56 53 00-0382	EA	24" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	698.39	84.82
		For 36" Height Cabinet, Add	*97.82*	
12 56 53 00-0383	EA	30" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	802.84	97.55
		For 36" Height Cabinet, Add	*112.45*	
12 56 53 00-0384	EA	36" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	869.74	105.63
		For 36" Height Cabinet, Add	*121.82*	
12 56 53 00-0385	EA	42" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	908.89	110.37
		For 36" Height Cabinet, Add	*127.30*	
12 56 53 00-0386	EA	48" Wide x 30.6" High x 12" Deep, Open, Plastic Laminate Laboratory Wall Cabinet	962.76	116.97
		For 36" Height Cabinet, Add	*134.85*	
12 56 53 00-0387	EA	15" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	788.15	95.69
		For 36" Height Cabinet, Add	*110.39*	
12 56 53 00-0388	EA	18" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	824.05	100.06
		For 36" Height Cabinet, Add	*115.42*	
12 56 53 00-0389	EA	21" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	2,161.57	1,048.14
		For 36" Height Cabinet, Add	*12.09*	
12 56 53 00-0390	EA	24" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	886.05	107.58
		For 36" Height Cabinet, Add	*124.11*	
12 56 53 00-0391	EA	30" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,158.58	140.74
		For 36" Height Cabinet, Add	*162.27*	
12 56 53 00-0392	EA	36" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,248.31	151.61
		For 36" Height Cabinet, Add	*174.84*	
12 56 53 00-0393	EA	42" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,305.42	158.49
		For 36" Height Cabinet, Add	*182.84*	
12 56 53 00-0394	EA	48" Wide x 30.6" High x 12" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,373.94	166.86
		For 36" Height Cabinet, Add	*192.44*	
12 56 53 00-0395	EA	15" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	882.79	107.21
		For 36" Height Cabinet, Add	*123.65*	
12 56 53 00-0396	EA	18" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	917.06	111.39
		For 36" Height Cabinet, Add	*128.45*	
12 56 53 00-0397	EA	21" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	943.16	114.55
		For 36" Height Cabinet, Add	*132.10*	
12 56 53 00-0398	EA	24" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	979.06	118.91
		For 36" Height Cabinet, Add	*137.13*	
12 56 53 00-0399	EA	30" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,349.47	163.89
		For 36" Height Cabinet, Add	*189.01*	
12 56 53 00-0400	EA	36" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,435.98	174.38
		For 36" Height Cabinet, Add	*201.13*	
12 56 53 00-0401	EA	42" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,475.09	179.12
		For 36" Height Cabinet, Add	*206.61*	
12 56 53 00-0402	EA	48" Wide x 30.6" High x 12" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,564.85	190.08
		For 36" Height Cabinet, Add	*219.18*	
12 56 53 00-0403	EA	30" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,207.55	146.69
		For 36" Height Cabinet, Add	*169.13*	
12 56 53 00-0404	EA	36" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,303.59	158.22
		For 36" Height Cabinet, Add	*182.62*	
12 56 53 00-0405	EA	42" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,391.80	168.99
		For 36" Height Cabinet, Add	*194.96*	
12 56 53 00-0406	EA	48" Wide x 30.6" High x 12" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,489.72	181.07
		For 36" Height Cabinet, Add	*208.67*	
12 56 53 00-0407	EA	30" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,459.01	177.26
		For 36" Height Cabinet, Add	*204.33*	
12 56 53 00-0408	EA	36" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,550.34	188.32
		For 36" Height Cabinet, Add	*217.13*	
12 56 53 00-0409	EA	42" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,599.11	194.17
		For 36" Height Cabinet, Add	*223.98*	
12 56 53 00-0410	EA	48" Wide x 30.6" High x 12" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,687.20	204.86
		For 36" Height Cabinet, Add	*236.32*	
12 56 53 00-0411		**30.6" High x 16" Deep, Plastic Laminate Laboratory Wall Cabinet** *(12 56 53 00-0326)*		
12 56 53 00-0412	EA	15" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	825.68	100.24
		For 36" Height Cabinet, Add	*115.65*	
12 56 53 00-0413	EA	18" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	869.74	105.63
		For 36" Height Cabinet, Add	*121.82*	
12 56 53 00-0414	EA	21" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	895.80	108.79
		For 36" Height Cabinet, Add	*125.48*	
12 56 53 00-0415	EA	24" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	933.38	113.35
		For 36" Height Cabinet, Add	*130.73*	
12 56 53 00-0416	EA	30" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,225.50	148.83
		For 36" Height Cabinet, Add	*171.64*	
12 56 53 00-0417	EA	36" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,329.90	161.56
		For 36" Height Cabinet, Add	*186.27*	
12 56 53 00-0418	EA	42" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,388.64	168.63
		For 36" Height Cabinet, Add	*194.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 56 53 00-0419	EA	48" Wide x 30.6" High x 16" Deep, Solid Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,466.93	178.09
		For 36" Height Cabinet, Add	*205.47*	
12 56 53 00-0420	EA	15" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	923.57	112.14
		For 36" Height Cabinet, Add	*129.36*	
12 56 53 00-0421	EA	18" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	951.34	115.58
		For 36" Height Cabinet, Add	*133.25*	
12 56 53 00-0422	EA	21" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	982.31	119.29
		For 36" Height Cabinet, Add	*137.59*	
12 56 53 00-0423	EA	24" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,032.91	125.42
		For 36" Height Cabinet, Add	*144.68*	
12 56 53 00-0424	EA	30" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,408.24	171.04
		For 36" Height Cabinet, Add	*197.24*	
12 56 53 00-0425	EA	36" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,519.19	184.51
		For 36" Height Cabinet, Add	*212.78*	
12 56 53 00-0426	EA	42" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,566.45	190.17
		For 36" Height Cabinet, Add	*219.41*	
12 56 53 00-0427	EA	48" Wide x 30.6" High x 16" Deep, Glass Swinging Door, Plastic Laminate Laboratory Wall Cabinet	1,667.67	202.54
		For 36" Height Cabinet, Add	*233.58*	
12 56 53 00-0428	EA	30" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,264.68	153.57
		For 36" Height Cabinet, Add	*177.13*	
12 56 53 00-0429	EA	36" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,398.22	169.73
		For 36" Height Cabinet, Add	*195.87*	
12 56 53 00-0430	EA	42" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,468.50	178.29
		For 36" Height Cabinet, Add	*205.70*	
12 56 53 00-0431	EA	48" Wide x 30.6" High x 16" Deep, Solid Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,569.86	190.73
		For 36" Height Cabinet, Add	*219.87*	
12 56 53 00-0432	EA	30" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,524.33	185.25
		For 36" Height Cabinet, Add	*213.47*	
12 56 53 00-0433	EA	36" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,620.51	196.86
		For 36" Height Cabinet, Add	*226.95*	
12 56 53 00-0434	EA	42" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,685.62	204.66
		For 36" Height Cabinet, Add	*236.10*	
12 56 53 00-0435	EA	48" Wide x 30.6" High x 16" Deep, Glass Sliding Door, Plastic Laminate Laboratory Wall Cabinet	1,776.93	215.82
		For 36" Height Cabinet, Add	*248.90*	

12 59 Systems Furniture *(12 50)*

12 59 13 Panel-Hung Component System Furniture *(12 59)*

12 59 13 00-0001 Open Office Systems Furniture Components *(12 59 13)*

Note: Excludes electrical wire and wiring devices.

12 59 13 00-0002	EA	34H 24W Fabric Covered Panel - Component Systems Furniture	208.44	22.56
		For Tackable Acoustical Barrier Panel, Add	*34.98*	
		For Acoustical Panel, Add	*38.02*	
		For Enameled Surface, Deduct	*-15.21*	
12 59 13 00-0003	EA	34H 30W Fabric Covered Panel - Component Systems Furniture	231.66	25.11
		For Tackable Acoustical Barrier Panel, Add	*38.87*	
		For Acoustical Panel, Add	*42.26*	
		For Enameled Surface, Deduct	*-16.90*	
12 59 13 00-0004	EA	34H 36W Fabric Covered Panel - Component Systems Furniture	247.71	26.74
		For Tackable Acoustical Barrier Panel, Add	*41.57*	
		For Acoustical Panel, Add	*45.18*	
		For Enameled Surface, Deduct	*-18.07*	
12 59 13 00-0005	EA	34H 48W Fabric Covered Panel - Component Systems Furniture	277.55	30.03
		For Tackable Acoustical Barrier Panel, Add	*46.58*	
		For Acoustical Panel, Add	*50.63*	
		For Enameled Surface, Deduct	*-20.25*	
12 59 13 00-0006	EA	42H 24W Fabric Covered Panel - Component Systems Furniture	211.75	22.89
		For Tackable Acoustical Barrier Panel, Add	*35.54*	
		For Acoustical Panel, Add	*38.63*	
		For Enameled Surface, Deduct	*-15.45*	
12 59 13 00-0007	EA	42H 30W Fabric Covered Panel - Component Systems Furniture	239.39	25.84
		For Tackable Acoustical Barrier Panel, Add	*40.17*	
		For Acoustical Panel, Add	*43.67*	
		For Enameled Surface, Deduct	*-17.47*	
12 59 13 00-0008	EA	42H 36W Fabric Covered Panel - Component Systems Furniture	268.15	29.04
		For Tackable Acoustical Barrier Panel, Add	*45.00*	
		For Acoustical Panel, Add	*48.91*	
		For Enameled Surface, Deduct	*-19.57*	
12 59 13 00-0009	EA	42H 48W Fabric Covered Panel - Component Systems Furniture	315.15	34.04
		For Tackable Acoustical Barrier Panel, Add	*52.89*	
		For Acoustical Panel, Add	*57.49*	
		For Enameled Surface, Deduct	*-22.99*	
12 59 13 00-0010	EA	62H 12W Fabric Covered Panel - Component Systems Furniture	204.01	22.06
		For Tackable Acoustical Barrier Panel, Add	*34.24*	
		For Acoustical Panel, Add	*37.21*	
		For Enameled Surface, Deduct	*-14.89*	
12 59 13 00-0011	EA	62H 24W Fabric Covered Panel - Component Systems Furniture	251.01	27.15
		For Tackable Acoustical Barrier Panel, Add	*42.12*	
		For Acoustical Panel, Add	*45.79*	
		For Enameled Surface, Deduct	*-18.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0012	EA	62H 36W Fabric Covered Panel - Component Systems Furniture	314.06	33.96
		For Tackable Acoustical Barrier Panel, Add	*52.70*	
		For Acoustical Panel, Add	*57.29*	
		For Enameled Surface, Deduct	*-22.91*	
12 59 13 00-0013	EA	62H 48W Fabric Covered Panel - Component Systems Furniture	375.95	40.61
		For Tackable Acoustical Barrier Panel, Add	*63.09*	
		For Acoustical Panel, Add	*68.58*	
		For Enameled Surface, Deduct	*-27.43*	
12 59 13 00-0014	EA	34" Draw Rod Panel Connector Hardware	11.39	1.23
12 59 13 00-0015	EA	42" Draw Rod Panel Connector Hardware	11.39	1.23
12 59 13 00-0016	EA	62" Draw Rod Panel Connector Hardware	12.14	1.31
12 59 13 00-0017	EA	34" Two-Way 90 Degree Panel Connector Hardware	52.36	5.66
12 59 13 00-0018	EA	42" Two-Way 90 Degree Panel Connector Hardware	60.71	6.57
12 59 13 00-0019	EA	62" Two-Way 90 Degree Panel Connector Hardware	69.81	7.55
12 59 13 00-0020	EA	34" Three-Way 90 Degree Panel Connector Hardware	81.20	8.77
12 59 13 00-0021	EA	42" Three-Way 90 Degree Panel Connector Hardware	94.10	10.17
12 59 13 00-0022	EA	62" Three-Way 90 Degree Panel Connector Hardware	109.27	11.82
12 59 13 00-0023	EA	34" Four-Way 90 Degree Panel Connector Hardware	102.45	11.07
12 59 13 00-0024	EA	42" Four-Way 90 Degree Panel Connector Hardware	119.89	12.96
12 59 13 00-0025	EA	62" Four-Way 90 Degree Panel Connector Hardware	144.18	15.59
12 59 13 00-0026	EA	34" Panel End Cap Hardware	17.46	1.89
12 59 13 00-0027	EA	42" Panel End Cap Hardware	19.73	2.13
12 59 13 00-0028	EA	62" Panel End Cap Hardware	21.24	2.30
12 59 13 00-0029	EA	28" Variable Height Panel End Filler	19.26	2.13
		Note: Field cut to appropriate length.		
12 59 13 00-0030	EA	Two-Way Trim Cover For Cable Management Raceway	9.91	1.06
12 59 13 00-0031	EA	Three-Way Trim Cover For Cable Management Raceway	10.45	1.14
12 59 13 00-0032	EA	Four-Way Trim Cover For Cable Management Raceway	12.10	1.31
12 59 13 00-0033	EA	Finished End Trim Cover For Cable Management Raceway	9.91	1.06
12 59 13 00-0034	EA	12" Cable Management Raceway Assembly	20.36	2.22
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0035	EA	24" Cable Management Raceway Assembly	23.11	2.46
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0036	EA	30" Cable Management Raceway Assembly	23.65	2.54
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0037	EA	36" Cable Management Raceway Assembly	26.41	2.87
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0038	EA	48" Cable Management Raceway Assembly	29.70	3.20
		Note: Includes base plate, two side covers, and 2 side cover fillers.		
12 59 13 00-0039	EA	24" x 36" Radiused Edge Rectangular Hanging Work Surface	159.79	17.23
12 59 13 00-0040	EA	30" x 36" Radiused Edge Rectangular Hanging Work Surface	196.82	21.25
12 59 13 00-0041	EA	24" x 48" Radiused Edge Rectangular Hanging Work Surface	185.78	20.10
12 59 13 00-0042	EA	30" x 48" Radiused Edge Rectangular Hanging Work Surface	232.22	25.11
12 59 13 00-0043	EA	24" x 60" Radiused Edge Rectangular Hanging Work Surface	234.42	25.35
12 59 13 00-0044	EA	30" x 60" Radiused Edge Rectangular Hanging Work Surface	295.25	31.99
12 59 13 00-0045	EA	24" x 72" Radiused Edge Rectangular Hanging Work Surface	284.74	30.76
12 59 13 00-0046	EA	30" x 72" Radiused Edge Rectangular Hanging Work Surface	357.69	38.64
12 59 13 00-0047	EA	30" x 60" Radiused Edge Table	635.41	68.74
12 59 13 00-0048	EA	30" x 72" Radiused Edge Table	694.40	75.14
12 59 13 00-0049	EA	14" x 24" Radiused Edge Transaction Surface	76.30	8.28
12 59 13 00-0050	EA	14" x 36" Radiused Edge Transaction Surface	86.80	9.36
12 59 13 00-0051	EA	14" x 48" Radiused Edge Transaction Surface	97.31	10.50
12 59 13 00-0052	EA	14" x 60" Radiused Edge Transaction Surface	121.08	13.13
12 59 13 00-0053	EA	14" x 72" Radiused Edge Transaction Surface	145.40	15.75
12 59 13 00-0054	EA	14" Right Angle Corner Transaction Surface	254.34	27.49
12 59 13 00-0055	EA	Transaction Surface Support	20.14	2.17
12 59 13 00-0056	EA	Plastic Pencil Drawer	21.88	2.13
12 59 13 00-0057	EA	15-1/2" x 24" Hanging Shelf	74.29	8.04
12 59 13 00-0058	EA	15-1/2" x 36" Hanging Shelf	80.87	8.69
12 59 13 00-0059	EA	15-1/2" x 48" Hanging Shelf	86.39	9.36
12 59 13 00-0060	EA	24" Flipper Door - Top And Front Closure	128.19	13.86
		Note: Used with hanging shelf.		
12 59 13 00-0061	EA	36" Flipper Door - Top And Front Closure	149.65	16.24
		Note: Used with hanging shelf.		
12 59 13 00-0062	EA	48" Flipper Door - Top And Front Closure	171.66	18.54
		Note: Used with hanging shelf.		
12 59 13 00-0063	EA	24" Suspended Lateral File, Lockable	441.86	47.54
12 59 13 00-0064	EA	30" Suspended Lateral File, Lockable	466.68	50.21
12 59 13 00-0065	EA	36" Suspended Lateral File, Lockable	492.42	52.97
12 59 13 00-0066	EA	48" Suspended Lateral File, Lockable	538.57	57.94
12 59 13 00-0067	EA	Fully Adjustable Vinyl Keyboard Tray	200.29	21.65
12 59 13 00-0068	EA	Palm Rest For Vinyl Keyboard Tray	31.35	3.44
12 59 13 00-0069	EA	24" x 36" Radiused Edge Corner Work Surface	253.02	27.39
12 59 13 00-0070	EA	File Drawer Organizer	81.43	8.77
12 59 13 00-0071	EA	Suspended Lateral File Converter Bracket	17.61	1.89
12 59 13 00-0072	EA	Utility Task Light	88.03	9.52

12 59 13 00-0073 Disassemble And Store Systems Furniture Components *(12 59 13)*

12 59 13 00-0074	EA	Disassemble And Store 34H 24W Fabric Covered Panel	28.19	
12 59 13 00-0075	EA	Disassemble And Store 34H 30W Fabric Covered Panel	31.33	
12 59 13 00-0076	EA	Disassemble And Store 34H 36W Fabric Covered Panel	33.50	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0077	EA	Disassemble And Store 34H 48W Fabric Covered Panel	37.53	
12 59 13 00-0078	EA	Disassemble And Store 42H 24W Fabric Covered Panel	28.64	
12 59 13 00-0079	EA	Disassemble And Store 42H 30W Fabric Covered Panel	32.37	
12 59 13 00-0080	EA	Disassemble And Store 42H 36W Fabric Covered Panel	36.27	
12 59 13 00-0081	EA	Disassemble And Store 42H 48W Fabric Covered Panel	42.62	
12 59 13 00-0082	EA	Disassemble And Store 62H 12W Fabric Covered Panel	27.60	
12 59 13 00-0083	EA	Disassemble And Store 62H 24W Fabric Covered Panel	33.95	
12 59 13 00-0084	EA	Disassemble And Store 62H 36W Fabric Covered Panel	42.47	
12 59 13 00-0085	EA	Disassemble And Store 62H 48W Fabric Covered Panel	50.86	
12 59 13 00-0086	EA	Disassemble And Store 34" Draw Rod Panel Connector Hardware	1.54	
12 59 13 00-0087	EA	Disassemble And Store 42" Draw Rod Panel Connector Hardware	1.54	
12 59 13 00-0088	EA	Disassemble And Store 62" Draw Rod Panel Connector Hardware	1.65	
12 59 13 00-0089	EA	Disassemble And Store 34" Two-Way 90 Degree Panel Connector Hardware	7.08	
12 59 13 00-0090	EA	Disassemble And Store 42" Two-Way 90 Degree Panel Connector Hardware	8.21	
12 59 13 00-0091	EA	Disassemble And Store 62" Two-Way 90 Degree Panel Connector Hardware	9.45	
12 59 13 00-0092	EA	Disassemble And Store 34" Three-Way 90 Degree Panel Connector Hardware	10.98	
12 59 13 00-0093	EA	Disassemble And Store 42" Three-Way 90 Degree Panel Connector Hardware	12.73	
12 59 13 00-0094	EA	Disassemble And Store 62" Three-Way 90 Degree Panel Connector Hardware	14.78	
12 59 13 00-0095	EA	Disassemble And Store 34" Four-Way 90 Degree Panel Connector Hardware	13.85	
12 59 13 00-0096	EA	Disassemble And Store 42" Four-Way 90 Degree Panel Connector Hardware	16.21	
12 59 13 00-0097	EA	Disassemble And Store 62" Four-Way 90 Degree Panel Connector Hardware	19.50	
12 59 13 00-0098	EA	Disassemble And Store 34" Panel End Cap Hardware	2.36	
12 59 13 00-0099	EA	Disassemble And Store 42" Panel End Cap Hardware	2.67	
12 59 13 00-0100	EA	Disassemble And Store 62" Panel End Cap Hardware	2.87	
12 59 13 00-0101	EA	Disassemble And Store Variable Height Panel End Filler	2.60	
12 59 13 00-0102	EA	Disassemble And Store Two-Way Trim Cover For Cable Management Raceway	1.35	
12 59 13 00-0103	EA	Disassemble And Store Three-Way Trim Cover For Cable Management Raceway	1.42	
12 59 13 00-0104	EA	Disassemble And Store Four-Way Trim Cover For Cable Management Raceway	1.64	
12 59 13 00-0105	EA	Disassemble And Store Finished End Trim Cover For Cable Management Raceway	1.35	
12 59 13 00-0106	EA	Disassemble And Store 12" Cable Management Raceway Assembly	2.75	
12 59 13 00-0107	EA	Disassemble And Store 24" Cable Management Raceway Assembly	3.12	
12 59 13 00-0108	EA	Disassemble And Store 30" Cable Management Raceway Assembly	3.20	
12 59 13 00-0109	EA	Disassemble And Store 36" Cable Management Raceway Assembly	3.57	
12 59 13 00-0110	EA	Disassemble And Store 48" Cable Management Raceway Assembly	4.02	
12 59 13 00-0111	EA	Disassemble And Store 24" x 36" Radiused Edge Rectangular Hanging Work Surface	21.61	
12 59 13 00-0112	EA	Disassemble And Store 30" x 36" Radiused Edge Rectangular Hanging Work Surface	26.62	
12 59 13 00-0113	EA	Disassemble And Store 24" x 48" Radiused Edge Rectangular Hanging Work Surface	25.13	
12 59 13 00-0114	EA	Disassemble And Store 30" x 48" Radiused Edge Rectangular Hanging Work Surface	31.41	
12 59 13 00-0115	EA	Disassemble And Store 24" x 60" Radiused Edge Rectangular Hanging Work Surface	31.71	
12 59 13 00-0116	EA	Disassemble And Store 30" x 60" Radiused Edge Rectangular Hanging Work Surface	39.93	
12 59 13 00-0117	EA	Disassemble And Store 24" x 72" Radiused Edge Rectangular Hanging Work Surface	38.51	
12 59 13 00-0118	EA	Disassemble And Store 30" x 72" Radiused Edge Rectangular Hanging Work Surface	48.39	
12 59 13 00-0119	EA	Disassemble And Store 30" x 60" Radiused Edge Table	74.72	
12 59 13 00-0120	EA	Disassemble And Store 30" x 72" Radiused Edge Table	93.89	
12 59 13 00-0121	EA	Disassemble And Store 14" x 24" Radiused Edge Transaction Surface	10.32	
12 59 13 00-0122	EA	Disassemble And Store 14" x 36" Radiused Edge Transaction Surface	11.73	
12 59 13 00-0123	EA	Disassemble And Store 14" x 48" Radiused Edge Transaction Surface	13.16	
12 59 13 00-0124	EA	Disassemble And Store 14" x 60" Radiused Edge Transaction Surface	16.37	
12 59 13 00-0125	EA	Disassemble And Store 14" x 72" Radiused Edge Transaction Surface	19.67	
12 59 13 00-0126	EA	Disassemble And Store 14" Right Angle Corner Transaction Surface	34.40	
12 59 13 00-0127	EA	Disassemble And Store Transaction Surface Support	2.72	
12 59 13 00-0128	EA	Disassemble And Store Plastic Pencil Drawer	2.68	
12 59 13 00-0129	EA	Disassemble And Store 15-1/2" x 24" Hanging Shelf	10.05	
12 59 13 00-0130	EA	Disassemble And Store 15-1/2" x 36" Hanging Shelf	10.94	
12 59 13 00-0131	EA	Disassemble And Store 15-1/2" x 48" Hanging Shelf	11.68	
12 59 13 00-0132	EA	Disassemble And Store 24" Flipper Door And Shelf	17.34	
12 59 13 00-0133	EA	Disassemble And Store 36" Flipper Door And Shelf	20.24	
12 59 13 00-0134	EA	Disassemble And Store 48" Flipper Door And Shelf	23.22	
12 59 13 00-0135	EA	Disassemble And Store 24" Suspended Lateral File	59.42	
12 59 13 00-0136	EA	Disassemble And Store 30" Suspended Lateral File	62.75	
12 59 13 00-0137	EA	Disassemble And Store 36" Suspended Lateral File	66.21	
12 59 13 00-0138	EA	Disassemble And Store 48" Suspended Lateral File	72.43	
12 59 13 00-0139	EA	Disassemble And Store Fully Adjustable Vinyl Keyboard Tray	27.08	
12 59 13 00-0140	EA	Disassemble And Store 24" x 36" Radiused Edge Corner Work Surface	34.22	
12 59 13 00-0141	EA	Disassemble And Store Utility Task Light	11.91	

12 59 13 00-0142 Reconfigure Systems Furniture Components *(12 59 13)*

12 59 13 00-0143	EA	Reconfigure 34H 24W Fabric Covered Panel	30.06	
12 59 13 00-0144	EA	Reconfigure 34H 30W Fabric Covered Panel	33.41	
12 59 13 00-0145	EA	Reconfigure 34H 36W Fabric Covered Panel	35.72	
12 59 13 00-0146	EA	Reconfigure 34H 48W Fabric Covered Panel	40.02	
12 59 13 00-0147	EA	Reconfigure 42H 24W Fabric Covered Panel	30.53	
12 59 13 00-0148	EA	Reconfigure 42H 30W Fabric Covered Panel	34.52	
12 59 13 00-0149	EA	Reconfigure 42H 36W Fabric Covered Panel	38.67	
12 59 13 00-0150	EA	Reconfigure 42H 48W Fabric Covered Panel	45.44	
12 59 13 00-0151	EA	Reconfigure 62H 12W Fabric Covered Panel	29.42	
12 59 13 00-0152	EA	Reconfigure 62H 24W Fabric Covered Panel	36.20	
12 59 13 00-0153	EA	Reconfigure 62H 36W Fabric Covered Panel	45.28	
12 59 13 00-0154	EA	Reconfigure 62H 48W Fabric Covered Panel	54.21	
12 59 13 00-0155	EA	Reconfigure 34" Draw Rod Panel Connector Hardware	1.65	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 59 13 00-0156	EA	Reconfigure 42" Draw Rod Panel Connector Hardware	1.65	
12 59 13 00-0157	EA	Reconfigure 62" Draw Rod Panel Connector Hardware	1.75	
12 59 13 00-0158	EA	Reconfigure 34" Two-Way 90 Degree Panel Connector Hardware	7.55	
12 59 13 00-0159	EA	Reconfigure 42" Two-Way 90 Degree Panel Connector Hardware	8.75	
12 59 13 00-0160	EA	Reconfigure 62" Two-Way 90 Degree Panel Connector Hardware	10.07	
12 59 13 00-0161	EA	Reconfigure 34" Three-Way 90 Degree Panel Connector Hardware	11.70	
12 59 13 00-0162	EA	Reconfigure 42" Three-Way 90 Degree Panel Connector Hardware	13.57	
12 59 13 00-0163	EA	Reconfigure 62" Three-Way 90 Degree Panel Connector Hardware	15.76	
12 59 13 00-0164	EA	Reconfigure 34" Four-Way 90 Degree Panel Connector Hardware	14.78	
12 59 13 00-0165	EA	Reconfigure 42" Four-Way 90 Degree Panel Connector Hardware	17.29	
12 59 13 00-0166	EA	Reconfigure 62" Four-Way 90 Degree Panel Connector Hardware	20.79	
12 59 13 00-0167	EA	Reconfigure 34" Panel End Cap Hardware	2.52	
12 59 13 00-0168	EA	Reconfigure 42" Panel End Cap Hardware	2.84	
12 59 13 00-0169	EA	Reconfigure 62" Panel End Cap Hardware	3.06	
12 59 13 00-0170	EA	Reconfigure Variable Height Panel End Filler	2.78	
12 59 13 00-0171	EA	Reconfigure Two-Way Trim Cover For Cable Management Raceway	1.43	
12 59 13 00-0172	EA	Reconfigure Three-Way Trim Cover For Cable Management Raceway	1.51	
12 59 13 00-0173	EA	Reconfigure Four-Way Trim Cover For Cable Management Raceway	1.75	
12 59 13 00-0174	EA	Reconfigure Finished End Trim Cover For Cable Management Raceway	1.43	
12 59 13 00-0175	EA	Reconfigure 12" Cable Management Raceway Assembly	2.93	
12 59 13 00-0176	EA	Reconfigure 24" Cable Management Raceway Assembly	3.33	
12 59 13 00-0177	EA	Reconfigure 30" Cable Management Raceway Assembly	3.41	
12 59 13 00-0178	EA	Reconfigure 36" Cable Management Raceway Assembly	3.80	
12 59 13 00-0179	EA	Reconfigure 48" Cable Management Raceway Assembly	4.29	
12 59 13 00-0180	EA	Reconfigure 24" x 36" Radiused Edge Rectangular Hanging Work Surface	23.04	
12 59 13 00-0181	EA	Reconfigure 30" x 36" Radiused Edge Rectangular Hanging Work Surface	28.38	
12 59 13 00-0182	EA	Reconfigure 24" x 48" Radiused Edge Rectangular Hanging Work Surface	26.78	
12 59 13 00-0183	EA	Reconfigure 30" x 48" Radiused Edge Rectangular Hanging Work Surface	33.48	
12 59 13 00-0184	EA	Reconfigure 24" x 60" Radiused Edge Rectangular Hanging Work Surface	33.80	
12 59 13 00-0185	EA	Reconfigure 30" x 60" Radiused Edge Rectangular Hanging Work Surface	42.57	
12 59 13 00-0186	EA	Reconfigure 24" x 72" Radiused Edge Rectangular Hanging Work Surface	41.06	
12 59 13 00-0187	EA	Reconfigure 30" x 72" Radiused Edge Rectangular Hanging Work Surface	51.58	
12 59 13 00-0188	EA	Reconfigure 30" x 60" Radiused Edge Table	91.64	
12 59 13 00-0189	EA	Reconfigure 30" x 72" Radiused Edge Table	100.13	
12 59 13 00-0190	EA	Reconfigure 14" x 24" Radiused Edge Transaction Surface	11.00	
12 59 13 00-0191	EA	Reconfigure 14" x 36" Radiused Edge Transaction Surface	12.52	
12 59 13 00-0192	EA	Reconfigure 14" x 48" Radiused Edge Transaction Surface	14.03	
12 59 13 00-0193	EA	Reconfigure 14" x 60" Radiused Edge Transaction Surface	17.46	
12 59 13 00-0194	EA	Reconfigure 14" x 72" Radiused Edge Transaction Surface	20.97	
12 59 13 00-0195	EA	Reconfigure 14" Right Angle Corner Transaction Surface	36.67	
12 59 13 00-0196	EA	Reconfigure Transaction Surface Support	2.90	
12 59 13 00-0197	EA	Reconfigure 15-1/2" x 24" Hanging Shelf	10.71	
12 59 13 00-0198	EA	Reconfigure 15-1/2" x 36" Hanging Shelf	11.66	
12 59 13 00-0199	EA	Reconfigure 15-1/2" x 48" Hanging Shelf	12.46	
12 59 13 00-0200	EA	Reconfigure 24" Flipper Door And Shelf	18.48	
12 59 13 00-0201	EA	Reconfigure 36" Flipper Door And Shelf	21.58	
12 59 13 00-0202	EA	Reconfigure 48" Flipper Door And Shelf	24.75	
12 59 13 00-0203	EA	Reconfigure 24" Suspended Lateral File	63.39	
12 59 13 00-0204	EA	Reconfigure 30" Suspended Lateral File	66.95	
12 59 13 00-0205	EA	Reconfigure 36" Suspended Lateral File	70.64	
12 59 13 00-0206	EA	Reconfigure 48" Suspended Lateral File	77.27	
12 59 13 00-0207	EA	Reconfigure 24" x 36" Radiused Edge Corner Work Surface	36.49	

12 60 Multiple Seating *(12)*

12 61 Fixed Audience Seating *(12 60)*

12 61 13 Upholstered Audience Seating *(12 61)*

12 61 13 00-0001 Upholstered Audience Seating *(12 61 13)*

12 61 13 00-0002	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Marquee 51.12.00.4) Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.	536.73	40.31

For >100 To 249, Deduct	*-67.37*
For >249 To 749, Deduct	*-80.84*
For >749, Deduct	*-89.82*
For Up To 9, Add	*732.05*
For >9 To 24, Add	*291.92*
For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*
For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 13 00-0003	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Marquee 51.12.10.4)	566.21	40.31
		Note: Includes Marquee back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-71.79*	
		For >249 To 749, Deduct	*-86.15*	
		For >749, Deduct	*-95.72*	
		For Up To 9, Add	*732.24*	
		For >9 To 24, Add	*291.94*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	
12 61 13 00-0004	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Saturn 22.12.00.4)	701.36	40.31
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-92.06*	
		For >249 To 749, Deduct	*-110.47*	
		For >749, Deduct	*-122.75*	
		For Up To 9, Add	*736.49*	
		For >9 To 24, Add	*294.60*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	
12 61 13 00-0005	EA	Upholstered Seat, Upholstered Back With Veneer Surfaced Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Insert Aisle Panel (Irwin Saturn 22.12.10.4)	730.72	40.31
		Note: Includes Saturn back with veneer surfaced rear panel and exposed fasteners, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with veneer insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms		
		For >100 To 249, Deduct	*-96.47*	
		For >249 To 749, Deduct	*-115.76*	
		For >749, Deduct	*-128.62*	
		For Up To 9, Add	*733.13*	
		For >9 To 24, Add	*295.83*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	
12 61 13 00-0006	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Citation 90.12.00.4)	467.85	40.31
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, open aisle standards, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-57.03*	
		For >249 To 749, Deduct	*-68.44*	
		For >749, Deduct	*-76.05*	
		For Up To 9, Add	*733.84*	
		For >9 To 24, Add	*292.78*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	
12 61 13 00-0007	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Insert Aisle Panel (Irwin Citation 90.12.10.4)	473.75	40.31
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 10 aisle panel with laminate insert panel, number 4 steel chair platform, floor mount, and comfort curved polymer arms.		
		For >100 To 249, Deduct	*-57.92*	
		For >249 To 749, Deduct	*-69.50*	
		For >749, Deduct	*-77.23*	
		For Up To 9, Add	*733.65*	
		For >9 To 24, Add	*293.46*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	
12 61 13 00-0008	EA	Upholstered Seat, Upholstered Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Citation 90.12.86.4)	499.07	40.31
		Note: Includes Citation back with polymer rear panel, upholstered cover over 2" foam, number 12 self rising seat with ergo substrate, number 86 laminate surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-61.72*	
		For >249 To 749, Deduct	*-74.06*	
		For >749, Deduct	*-82.29*	
		For Up To 9, Add	*732.38*	
		For >9 To 24, Add	*292.13*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	

12 61 16 Molded-Plastic Audience Seating *(12 61)*

12 61 16 00-0001 Molded-Plastic Audience Seating *(12 61 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 61 16 00-0002	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating (Irwin Patriot 30.52.00.30)	355.11	40.31
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, open aisle standards, number 30 steel chair platform, floor mount, and polymer arms.		
		For >100 To 249, Deduct	*-40.12*	
		For >249 To 749, Deduct	*-48.15*	
		For >749, Deduct	*-53.50*	
		For Up To 9, Add	*732.92*	
		For >9 To 24, Add	*294.24*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	
12 61 16 00-0003	EA	Molded Polymer Seat, Molded Polymer Back, Number 30 Chair Platform, Fixed Audience Seating With Laminate Surfaced Aisle Panel (Irwin Patriot 30.52.36.30)	399.72	40.31
		Note: Includes Patriot back, double wall polymer, number 52 self rising seat torsion spring seat lift, number 36 laminate surfaced aisle panel, number 30 steel chair platform, floor mount, and flat laminate surfaced arms.		
		For >100 To 249, Deduct	*-46.82*	
		For >249 To 749, Deduct	*-56.18*	
		For >749, Deduct	*-62.42*	
		For Up To 9, Add	*733.44*	
		For >9 To 24, Add	*293.37*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	

12 61 19 Plywood/Hardwood Audience Seating *(12 61)*

12 61 19 00-0001 Plywood/Hardwood Audience Seating *(12 61 19)*

12 61 19 00-0002	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating (Irwin Crusader 1.14.00.4)	548.52	40.31
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, open aisle standards, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-69.14*	
		For >249 To 749, Deduct	*-82.96*	
		For >749, Deduct	*-92.18*	
		For Up To 9, Add	*732.83*	
		For >9 To 24, Add	*294.98*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	
12 61 19 00-0003	EA	Veneered Hardwood Seat, Veneered Hardwood Back With Polymer Rear Panel, Number 4 Chair Platform, Fixed Audience Seating With Veneer Surfaced Aisle Panel (Irwin Crusader 1.14.86.4)	595.51	40.31
		Note: Includes Crusader back, veneer surfaced, number 14 self rising seat, number 86 veneer surfaced aisle panel, number 4 steel chair platform, floor mount, and flat solid hardwood arms.		
		For >100 To 249, Deduct	*-76.18*	
		For >249 To 749, Deduct	*-91.42*	
		For >749, Deduct	*-101.58*	
		For Up To 9, Add	*736.44*	
		For >9 To 24, Add	*294.58*	
		For Expansion Anchor Mounting With Anchor Caps, Add	*21.64*	
		For Epoxy Anchor Mounting With Anchor Caps, Add	*25.82*	

12 61 21 Fixed Audience Seating Accessories *(12 61)*

12 61 21 00-0001 Fixed Audience Seating Accessories *(12 61 21)*

12 61 21 00-0002	EA	100 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	189.49
		For >100 To 249, Deduct	*-27.11*
		For >249 To 749, Deduct	*-32.53*
		For >749, Deduct	*-36.15*
12 61 21 00-0003	EA	120 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	192.97
		For >100 To 249, Deduct	*-27.63*
		For >249 To 749, Deduct	*-33.16*
		For >749, Deduct	*-36.84*
12 61 21 00-0004	EA	151 Square Inch, Self Storing Writing Tablet For Number 4 Chair Platform, Fixed Audience Seating (Irwin)	202.03
		For >100 To 249, Deduct	*-28.99*
		For >249 To 749, Deduct	*-34.79*
		For >749, Deduct	*-38.65*
12 61 21 00-0005	EA	98 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	189.49
		For >100 To 249, Deduct	*-27.11*
		For >249 To 749, Deduct	*-32.53*
		For >749, Deduct	*-36.15*
12 61 21 00-0006	EA	105 Square Inch, Tru-Fold Writing Tablet For Number 30 Chair Platform, Fixed Audience Seating (Irwin)	202.80
		For >100 To 249, Deduct	*-29.11*
		For >249 To 749, Deduct	*-34.93*
		For >749, Deduct	*-38.81*
12 61 21 00-0007	EA	Rubber Foot Shrouds For Number 4 Chair Platform (Per Chair), Fixed Audience Seating (Irwin)	15.58

12 62 Portable-Audience Seating *(12 60)*

12 62 23 Portable Bleachers *(12 62)*

12 62 23 00-0001 Metal Bleachers, Outdoor, Portable *(12 62 23)*

Note: Average seating is 18".

12 62 23 00-0002 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
12 62 23 00-0003	SEA	2 To 5 Rows, Non Elevated Portable Aluminum Bleacher Price Per Seat	99.16	3.80
		For Each "Tip and Roll" Set (Includes Two Fixed Wheels), Add To Total Structure	*165.00*	
		For Each "Flip and Roll" Set (Includes Four Wheels), Add To Total Structure	*335.00*	

12 62 23 00-0004 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence.

12 62 23 00-0005	SEA	5 Rows, Non Elevated Portable Aluminum Bleacher	129.30	3.80
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0006	SEA	6 To 10 Rows, Non Elevated Portable Aluminum Bleacher	147.11	3.99
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0007	SEA	11 To 15 Rows, Non Elevated Portable Aluminum Bleacher	153.59	4.19
		Note: Including side and back fence.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

12 62 23 00-0008 Non-Elevated Portable Aluminum Bleacher *(12 62 23 00-0001)*

Note: Includes side and back fence and center aisle with rails.

12 62 23 00-0009	SEA	5 Rows, Non Elevated Portable Aluminum Bleacher	200.76	4.29
		Note: Including side and back fence and center aisle with hand rails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0010	SEA	6 To 10 Rows, Non Elevated Portable Aluminum Bleacher	229.23	4.50
		Note: Including side and back fence and center aisle with hand rails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	
12 62 23 00-0011	SEA	11 To 15 Rows, Non Elevated Portable Aluminum Bleacher	248.51	4.76
		Note: Including side and back fence and center aisle with hand rails.		
		For Elevated Structure (Includes Additional Front Rail, A Front Walkway With Stairways On Either Side, Double Foot Boards Between Rows), Add	*35.00*	

END OF SECTION 12

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

13 Special Construction

13 01 Operation and Maintenance of Special Construction *(13)*

13 01 10 Operation and Maintenance of Special Facility Components *(13 01)*

13 01 11 Operation and Maintenance of Swimming Pools *(13 01 10)*

13 01 11 11 Operation and Maintenance of Swimming Pools *(13 01 11)*

13 01 11 11-0001 Pool Restoration Items *(13 01 11 11)*

13 01 11 11-0002	LF	Saw Cutting Pool Floor	12.86	
13 01 11 11-0003	SF	Demolish Pool Floor	23.39	
13 01 11 11-0004	LF	Demolish Pool Gutter Lip	32.74	
13 01 11 11-0005	LF	Demolish Pool Coping	19.49	
13 01 11 11-0006	SF	Demolish Up To 1" Thick Pool Plaster	10.49	
13 01 11 11-0007	LF	Install Pool Coping	75.77	
13 01 11 11-0008	EA	Coring For Pool Pipe Penetrations	545.66	
13 01 11 11-0009	EA	Coring For Pool Wall Inlets	187.08	
13 01 11 11-0010	EA	Coring For Pool Gutter Outlets	311.80	
13 01 11 11-0011	EA	Core And Demolish Pool Light Fixture	623.61	
13 01 11 11-0012	EA	12 Volt, LED Pool Light	660.92	
13 01 11 11-0013	EA	Bond/Set Pool Anchors	154.60	
13 01 11 11-0014	EA	Core/Install Pool Cup Anchors	430.85	
13 01 11 11-0015	LF	Form Pool Gutter	21.82	
13 01 11 11-0016	LF	Float Pool Gutter Lip	32.74	
13 01 11 11-0017	LF	Theroseal Pool Gutter	10.74	
13 01 11 11-0018	SF	Theroseal Pool Surge Tank	8.58	
13 01 11 11-0019	EA	Pool Start-up	9,528.66	
13 01 11 11-0020	SF	Up To 1/2" Thick Troweled Pool Plaster	5.62	
		For Radius Or Irregular Surface, Add	*1.66*	
		For Up To 25, Add	*1.19*	
		For >25 To 50, Add	*0.70*	
		For >50 To 150, Add	*0.31*	
13 01 11 11-0021	SF	>1/2" To 1" Thick Troweled Pool Plaster	7.95	
		For Radius Or Irregular Surface, Add	*2.40*	
		For Up To 25, Add	*1.70*	
		For >25 To 50, Add	*1.00*	
		For >50 To 150, Add	*0.45*	
13 01 11 11-0022	SF	1" x 1" Glass Pool Tile Sheet	13.79	1.51
13 01 11 11-0023	SF	2" x 2" Porcelain Mosaic Pool Tile Sheet	16.49	1.51
13 01 11 11-0024	SF	6" x 6" Porcelain Pool Tile	19.91	1.51

13 01 11 11-0025 Swimming Pool Plaster Restoration *(13 01 11 11)*

13 01 11 11-0026	SF	Chip, Clean And Repair Plaster Up To 10 SF On Swimming Pool	31.18	
13 01 11 11-0027	SF	Chip, Clean And Repair Plaster >10 To 50 SF On Swimming Pool	22.56	
13 01 11 11-0028	SF	Chip, Clean And Repair Plaster >50 To 250 SF On Swimming Pool	16.53	
13 01 11 11-0029	SF	Chip, Clean And Repair Plaster >250 To 1,000 SF On Swimming Pool	13.08	
13 01 11 11-0030	SF	Chip, Clean And Repair Plaster >1,000 SF On Swimming Pool	9.63	

13 10 Special Facility Components *(13)*

13 11 Swimming Pools *(13 10)*

13 11 46 Swimming Pool Accessories *(13 11)*

See CSI section 22 51 19 00-0043 for diatomite type filter system.

13 11 46 00-0001 Heavy Duty Ladders *(13 11 46)*

13 11 46 00-0002	EA	Ladders, 2 Tread, Stainless Steel Swimming Pool Equipment	1,435.52	132.85
13 11 46 00-0003	EA	Ladders, 4 Tread, Stainless Steel Swimming Pool Equipment	1,761.48	153.29

13 11 46 00-0004 Underwater Lights *(13 11 46)*

13 11 46 00-0005	EA	Lights, Underwater, 12 Volt, With Transformer Swimming Pool Equipment	462.36	133.57
13 11 46 00-0006	EA	Lights, Underwater, 110 Volt, Swimming Pool Equipment	453.39	133.57

13 11 46 00-0007 Pool Covers *(13 11 46)*

Note: Includes cover straps and tension springs.

13 11 46 00-0008	SF	Pool Covers, Reinforced Polyethylene	13.17	5.74
13 11 46 00-0009	SF	Pool Cover, Vinyl Water Tube	13.53	5.74

13 11 46 00-0010 Pool Equipment And Accessories *(13 11 46)*

13 11 46 00-0011	EA	Swim Lift, Vertical, Stainless Steel, In Pool Mount Note: Spectrum #5030.	4,959.25	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 11 46 00-0012	EA	Swim Lift, With Arm, Stainless Steel, Deck Mount Note: Spectrum Traveler XRC #26705.	7,287.20	
13 11 46 00-0013	EA	Lifeguard Chair, Stainless Steel, 4 SF Platform, 3' High Note: Paragon #37-164 "Lookout Dual Side Mount".	5,729.64	348.39
13 11 46 00-0014	EA	Lifeguard Chair, Stainless Steel, 40" x 60" Platform, 3' High Note: Paragon #37-164 "Lookout Platform".	9,432.51	371.62
13 11 46 00-0015	EA	Lifeguard Chair, Stainless Steel, 6' High Note: Paragon #38-005 "OSHA Guard Chair".	6,165.34	371.62
13 11 46 00-0016	EA	Lifeguard Chair, Stainless Steel, 6' High Note: Paragon #38-010 "Ultraflyte Guard Chair".	5,290.42	371.62
13 11 46 00-0017	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .109" Thickness Note: Requires four anchors sockets and escutcheons. Paragon #36-070.	1,059.63	92.91
13 11 46 00-0018	PR	Grab Rail, Stainless Steel, 1.90" O.D Tubing x .145" Thickness Note: Requires four anchors sockets and escutcheons. Paragon #36-075.	1,188.41	92.91
13 11 46 00-0019	EA	Bronze Anchor Socket, 4" Deep For 1.90" Outside Diameter Tube	189.31	
13 11 46 00-0020	EA	Stainless Steel Escutcheon For 1.90" Outside Diameter Tube	33.57	
13 11 46 00-0021	EA	Rope Anchor	29.82	
13 11 46 00-0022	EA	Stanchion Post Socket	170.39	
13 11 46 00-0023	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness Note: Requires two anchors sockets and escutcheons.	541.41	46.45
		For 3-Bend Handrail, Add	*15.70*	
13 11 46 00-0024	EA	48" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness Note: Requires two anchors sockets and escutcheons.	629.71	46.45
		For 3-Bend Handrail, Add	*18.79*	
13 11 46 00-0025	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness Note: Requires two anchors sockets and escutcheons.	578.20	46.45
		For 3-Bend Handrail, Add	*16.99*	
13 11 46 00-0026	EA	60" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness Note: Requires two anchors sockets and escutcheons.	677.54	46.45
		For 3-Bend Handrail, Add	*20.46*	
13 11 46 00-0027	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .109" Thickness Note: Requires two anchors sockets and escutcheons.	620.15	46.45
		For 3-Bend Handrail, Add	*18.45*	
13 11 46 00-0028	EA	72" Long 2-Bend Stair Handrail, 1.90" Outside Diameter x .145" Thickness Note: Requires two anchors sockets and escutcheons.	723.90	46.45
		For 3-Bend Handrail, Add	*22.08*	
13 11 46 00-0029	EA	1 Meter High Aluminum Diving Stand With Stainless Steel Handrail Note: Requires deck anchor set and diving board.	12,191.26	929.04
13 11 46 00-0030	EA	3 Meter High Aluminum Diving Stand With Stainless Steel Handrail Note: Requires deck anchor set and diving board.	24,035.55	1,858.09
13 11 46 00-0031	SET	Bronze Deck Anchor (Set of 8)	734.58	
13 11 46 00-0032	EA	16' Duraflex Diving Board	4,287.81	92.91
13 11 46 00-0033	EA	Pool Tube Slide, Stainless Steel Frame, 27" Polyethylene Flume Note: Includes 6' tower deck height, 4' x 4' top platform, 26" wide stair assembly, non-slip deck and step treads, and observation deck clear bubble.	26,930.67	1,858.09

13 12 Fountains *(13 10)*

13 12 13 Exterior Fountains *(13 12)*

13 12 13 00-0001 Fountains/Aerators *(13 12 13)*

13 12 13 00-0002	EA	1/2 HP Pump, Single Phase With 100' Cord	2,287.15	147.56
13 12 13 00-0003	EA	3/4 HP Pump, Single Phase With 100' Cord	2,532.10	150.81
13 12 13 00-0004	EA	1 HP Pump, Single Phase With 100' Cord	2,564.86	154.46
13 12 13 00-0005	EA	1-1/2 HP Pump, Single Phase With 100' Cord	2,692.42	158.11
13 12 13 00-0006	EA	2 HP Pump, Single Phase With 100' Cord	2,820.95	162.16
13 12 13 00-0007	EA	5 HP Pump, Three Phase With 200' Cord	6,099.18	166.21
13 12 13 00-0008	EA	7-1/2 HP Pump, Three Phase With 200' Cord	6,986.60	170.66
13 12 13 00-0009	EA	10 HP Pump, Three Phase With 200' Cord	7,755.64	175.13
13 12 13 00-0010	EA	15 HP Pump, Three Phase With 200' Cord	9,828.10	180.00
13 12 13 00-0011	EA	Aerator Nozzle	584.98	81.07

13 20 Special Purpose Rooms *(13)*

13 21 Controlled Environment Rooms *(13 20)*

13 21 26 Cold Storage Rooms *(13 21)*

13 21 26 13 Walk-in Coolers *(13 21 26)*

See CSI section 11 41 23 00-0000 for walk-in coolers.

13 30 Special Structures *(13)*

13 34 Fabricated Engineered Structures *(13 30)*

13 34 16 Grandstands and Bleachers *(13 34)*

13 34 16 13 Grandstands *(13 34 16)*

13 34 16 13-0001 Permanent Grandstands, Wood Seat, Steel Frame *(13 34 16 13)*

13 34 16 13-0002 3 To 15 Tiers *(13 34 16 13-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 16 13-0003	SEA	3-15 Tier Permanent Grandstand Price Per Seat	71.14	7.61

13 34 16 13-0004 16 To 30 Tiers *(13 34 16 13-0001)*

13 34 16 13-0005	SEA	16-30 Tier Permanent Grandstand Price Per Seat	108.21	8.56

13 34 19 Metal Building Systems *(13 34)*

Note: Includes material, delivery to site, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site.

13 34 19 00-0001 Pre-Engineered Metal Buildings *(13 34 19)*

Note: Free standing base buildings have a live load of 12 PSF and a wind load of 16.4 PSF (80 MPH). Includes anchoring and fasteners to concrete foundation. Includes design for foundation footings and piers. Includes a prime coated structural frame, painted steel wall panels 26 gauge, standing seam roof panels 26 gauge, roof 1 in 12 slope. Includes material, delivery to site, lifting equipment (crane) for erection, factory design analysis with report, engineered foundation design, shop drawings, and assembly of building on site. Eave height is measured from the top of slab to the underside of the roof deck. Excludes foundations and slab. See CSI section 03 31 13 00-0001 for concrete slab, 03 31 13 00-0010 for concrete foundations, 13 34 19 00-0109 for metal building options.

13 34 19 00-0002 Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0003 20' To 30' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings *(13 34 19 00-0002)*

13 34 19 00-0004	GSF	10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.32	6.71
		For 30' To 49' In Length Only, Add	*1.92*	
		For 50' To 69' In Length Only, Add	*1.05*	
		For 70' To 99' In Length Only, Add	*0.43*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.70*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.17*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.75*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.27*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.43*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.60*	
		For Single Slope Frame Roof, Add	*1.20*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.94*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0005	GSF	12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.06	7.37
		For 30' To 49' In Length Only, Add	*1.98*	
		For 50' To 69' In Length Only, Add	*1.08*	
		For 70' To 99' In Length Only, Add	*0.45*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.25*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.88*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.44*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.01*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.76*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.01*	
		For Single Slope Frame Roof, Add	*1.24*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.02*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0006	GSF	14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.03	8.13
		For 30' To 49' In Length Only, Add	*2.04*	
		For 50' To 69' In Length Only, Add	*1.11*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.81*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.35*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.03*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.64*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.24*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.14*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.49*	
		For Single Slope Frame Roof, Add	*1.27*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.12*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0007	GSF	16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	29.17	8.89
		For 30' To 49' In Length Only, Add	*2.13*	
		For 50' To 69' In Length Only, Add	*1.16*	
		For 70' To 99' In Length Only, Add	*0.48*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.88*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.46*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.19*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.84*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.50*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.54*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.00*	
		For Single Slope Frame Roof, Add	*1.33*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.82*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.22*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0008	GSF	18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	31.36	9.65
		For 30' To 49' In Length Only, Add	*2.24*	
		For 50' To 69' In Length Only, Add	*1.22*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.94*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.57*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.35*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.06*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.76*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.96*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.53*	
		For Single Slope Frame Roof, Add	*1.40*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.88*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.31*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0009	GSF	20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	34.41	10.36
		For 30' To 49' In Length Only, Add	*2.58*	
		For 50' To 69' In Length Only, Add	*1.41*	
		For 70' To 99' In Length Only, Add	*0.58*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.03*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.72*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.58*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.35*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.13*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.54*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*8.26*	
		For Single Slope Frame Roof, Add	*1.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.97*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.40*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0010	GSF	24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	38.72	11.89
		For 30' To 49' In Length Only, Add	*2.81*	
		For 50' To 69' In Length Only, Add	*1.53*	
		For 70' To 99' In Length Only, Add	*0.63*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*1.16*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.94*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.90*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.78*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.65*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*7.36*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*9.29*	
		For Single Slope Frame Roof, Add	*1.76*	
		For Each SF Of 24 Gauge Wall Panel, Add	*1.09*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0011 >30' To 50' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings

(13 34 19 00-0002)

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0012	GSF	10' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.65	5.33
		For 30' To 49' In Length Only, Add	*1.80*	
		For 50' To 69' In Length Only, Add	*0.98*	
		For 70' To 99' In Length Only, Add	*0.40*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.98*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.47*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.92*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.36*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.73*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.72*	
		For Single Slope Frame Roof, Add	*1.12*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.77*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0013	GSF	12' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.04	5.82
		For 30' To 49' In Length Only, Add	*1.85*	
		For 50' To 69' In Length Only, Add	*1.01*	
		For 70' To 99' In Length Only, Add	*0.42*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.05*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.58*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.05*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.52*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.00*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.05*	
		For Single Slope Frame Roof, Add	*1.16*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.83*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0014	GSF	14' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	22.23	6.30
		For 30' To 49' In Length Only, Add	*1.89*	
		For 50' To 69' In Length Only, Add	*1.03*	
		For 70' To 99' In Length Only, Add	*0.42*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.11*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.17*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.22*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.34*	
		For Single Slope Frame Roof, Add	*1.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.63*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.89*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0015	GSF	16' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.91	6.86
		For 30' To 49' In Length Only, Add	*1.98*	
		For 50' To 69' In Length Only, Add	*1.08*	
		For 70' To 99' In Length Only, Add	*0.45*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.72*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.20*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.79*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.33*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.87*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.54*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.74*	
		For Single Slope Frame Roof, Add	*1.24*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.68*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0016	GSF	18' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	25.89	7.37
		For 30' To 49' In Length Only, Add	*2.18*	
		For 50' To 69' In Length Only, Add	*1.19*	
		For 70' To 99' In Length Only, Add	*0.49*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.78*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.29*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.94*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.52*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.11*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.92*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.21*	
		For Single Slope Frame Roof, Add	*1.36*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.74*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.02*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0017	GSF	20' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	27.73	7.88
		For 30' To 49' In Length Only, Add	*2.32*	
		For 50' To 69' In Length Only, Add	*1.26*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.83*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.39*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.08*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.70*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.33*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.27*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.66*	
		For Single Slope Frame Roof, Add	*1.45*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.79*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.09*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0018	GSF	24' Eave Height, Up To 30' Long, >30' To 50' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	30.49	8.89
		For 30' To 49' In Length Only, Add	*2.45*	
		For 50' To 69' In Length Only, Add	*1.34*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.91*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.52*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.29*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.97*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.66*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.79*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.32*	
		For Single Slope Frame Roof, Add	*1.53*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.86*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.22*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0019 >50' To 100' Wide Clear Span Rigid Frame Pre-Engineered Metal Buildings

(13 34 19 00-0002)

13 34 19 00-0020	GSF	10' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.00	3.71
		For 30' To 49' In Length Only, Add	*1.57*	
		For 50' To 69' In Length Only, Add	*0.86*	
		For 70' To 99' In Length Only, Add	*0.35*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.13*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.46*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.85*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.60*	
		For Single Slope Frame Roof, Add	*0.98*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0021	GSF	12' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	15.64	3.90
		For 30' To 49' In Length Only, Add	*1.62*	
		For 50' To 69' In Length Only, Add	*0.88*	
		For 70' To 99' In Length Only, Add	*0.36*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.17*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.52*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.88*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.97*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.75*	
		For Single Slope Frame Roof, Add	*1.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0022	GSF	14' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	16.26	4.09
		For 30' To 49' In Length Only, Add	*1.67*	
		For 50' To 69' In Length Only, Add	*0.91*	
		For 70' To 99' In Length Only, Add	*0.37*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.22*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.59*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.95*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.09*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.90*	
		For Single Slope Frame Roof, Add	*1.04*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.61*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0023	GSF	16' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	18.12	4.72
		For 30' To 49' In Length Only, Add	*1.76*	
		For 50' To 69' In Length Only, Add	*0.96*	
		For 70' To 99' In Length Only, Add	*0.40*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.91*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.36*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.77*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.17*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.44*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.35*	
		For Single Slope Frame Roof, Add	*1.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.69*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0024	GSF	18' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	19.60	5.25
		For 30' To 49' In Length Only, Add	*1.82*	
		For 50' To 69' In Length Only, Add	*1.00*	
		For 70' To 99' In Length Only, Add	*0.41*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.59*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.98*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.47*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.91*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.35*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.72*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.70*	
		For Single Slope Frame Roof, Add	*1.14*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.76*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0025	GSF	20' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	21.03	5.80
		For 30' To 49' In Length Only, Add	*1.87*	
		For 50' To 69' In Length Only, Add	*1.02*	
		For 70' To 99' In Length Only, Add	*0.42*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.63*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.05*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.58*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.05*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.52*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.00*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.05*	
		For Single Slope Frame Roof, Add	*1.17*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.83*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0026	GSF	24' Eave Height, Up To 30' Long, >50' To 100' Wide Clear Span Rigid Frame Building With 26 Gauge Roofing And Siding	23.51	6.55
		For 30' To 49' In Length Only, Add	*2.05*	
		For 50' To 69' In Length Only, Add	*1.12*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.71*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.18*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.76*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.29*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.82*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.47*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.64*	
		For Single Slope Frame Roof, Add	*1.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.67*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.92*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0027		Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)* Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.		
13 34 19 00-0028		20' To 30' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*		
13 34 19 00-0029	GSF	10' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.89	5.33
		For 30' To 49' In Length Only, Add	*1.85*	
		For 50' To 69' In Length Only, Add	*1.01*	
		For 70' To 99' In Length Only, Add	*0.42*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.99*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.49*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.94*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.39*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.78*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.77*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.57*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.77*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0030	GSF	12' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.42	5.82
		For 30' To 49' In Length Only, Add	*1.96*	
		For 50' To 69' In Length Only, Add	*1.07*	
		For 70' To 99' In Length Only, Add	*0.44*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.64*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.07*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.61*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.09*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.57*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.07*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.14*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.83*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0031	GSF	14' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.93	6.30
		For 30' To 49' In Length Only, Add	*2.05*	
		For 50' To 69' In Length Only, Add	*1.12*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.69*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.15*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.72*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.24*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.75*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.36*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.50*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.89*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0032	GSF	16' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.84	6.86
		For 30' To 49' In Length Only, Add	*2.21*	
		For 50' To 69' In Length Only, Add	*1.21*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.75*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.24*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.86*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.42*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.98*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.72*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.96*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.71*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0033	GSF	18' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	26.56	7.39
		For 30' To 49' In Length Only, Add	*2.33*	
		For 50' To 69' In Length Only, Add	*1.27*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.80*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.33*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.59*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.19*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.05*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.37*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.76*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.03*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0034	GSF	20' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	28.24	7.92
		For 30' To 49' In Length Only, Add	*2.44*	
		For 50' To 69' In Length Only, Add	*1.33*	
		For 70' To 99' In Length Only, Add	*0.55*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.85*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.41*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.12*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.75*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.39*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.37*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.78*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.81*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.09*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0035	GSF	24' Eave Height, Up To 30' Long, 20' To 30' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	31.77	9.04
		For 30' To 49' In Length Only, Add	*2.67*	
		For 50' To 69' In Length Only, Add	*1.46*	
		For 70' To 99' In Length Only, Add	*0.60*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.95*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.59*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.38*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*3.10*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.81*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*6.04*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*7.62*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.91*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.24*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0036 >40' To 50' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0037	GSF	10' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.87	4.72
		For 30' To 49' In Length Only, Add	*1.70*	
		For 50' To 69' In Length Only, Add	*0.93*	
		For 70' To 99' In Length Only, Add	*0.38*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.14*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.40*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.29*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.69*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0038	GSF	12' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.15	5.15
		For 30' To 49' In Length Only, Add	*1.77*	
		For 50' To 69' In Length Only, Add	*0.97*	
		For 70' To 99' In Length Only, Add	*0.40*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.44*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.87*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.30*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0039	GSF	14' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	20.42	5.59
		For 30' To 49' In Length Only, Add	*1.84*	
		For 50' To 69' In Length Only, Add	*1.00*	
		For 70' To 99' In Length Only, Add	*0.41*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.61*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.02*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.53*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.99*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.88*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.90*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.59*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.80*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0040	GSF	16' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	21.76	6.00
		For 30' To 49' In Length Only, Add	*1.94*	
		For 50' To 69' In Length Only, Add	*1.06*	
		For 70' To 99' In Length Only, Add	*0.44*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.65*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.09*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.63*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.12*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.61*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.13*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.22*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.62*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.85*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0041	GSF	18' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	23.13	6.43
		For 30' To 49' In Length Only, Add	*2.03*	
		For 50' To 69' In Length Only, Add	*1.11*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.69*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.16*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.73*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.26*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.78*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.39*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.55*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.66*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.91*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0042	GSF	20' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	24.46	6.86
		For 30' To 49' In Length Only, Add	*2.12*	
		For 50' To 69' In Length Only, Add	*1.16*	
		For 70' To 99' In Length Only, Add	*0.48*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.73*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.22*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.83*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.38*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.94*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.65*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.87*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.70*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.96*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0043	GSF	24' Eave Height, Up To 30' Long, >40' To 50' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	27.50	7.82
		For 30' To 49' In Length Only, Add	*2.32*	
		For 50' To 69' In Length Only, Add	*1.26*	
		For 70' To 99' In Length Only, Add	*0.52*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.83*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.38*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*2.06*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.68*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.30*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*5.23*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*6.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.78*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*1.08*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0044 >50' To 80' Wide Clear Span Tapered Beam Frame Pre-Engineered Metal Buildings *(13 34 19 00-0027)*

13 34 19 00-0045	GSF	10' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	15.23	3.71
		For 30' To 49' In Length Only, Add	*1.62*	
		For 50' To 69' In Length Only, Add	*0.89*	
		For 70' To 99' In Length Only, Add	*0.37*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.14*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.48*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.83*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.89*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.66*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0046	GSF	12' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	16.10	3.97
		For 30' To 49' In Length Only, Add	*1.69*	
		For 50' To 69' In Length Only, Add	*0.92*	
		For 70' To 99' In Length Only, Add	*0.38*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.81*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.06*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0047	GSF	14' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	16.94	4.21
		For 30' To 49' In Length Only, Add	*1.76*	
		For 50' To 69' In Length Only, Add	*0.96*	
		For 70' To 99' In Length Only, Add	*0.40*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.85*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.27*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.65*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.03*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.22*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.07*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.63*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0048	GSF	16' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	17.84	4.47
		For 30' To 49' In Length Only, Add	*1.83*	
		For 50' To 69' In Length Only, Add	*1.00*	
		For 70' To 99' In Length Only, Add	*0.41*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.54*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.89*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.74*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.14*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.39*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.28*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.52*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.66*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0049	GSF	18' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	18.96	4.78
		For 30' To 49' In Length Only, Add	*1.93*	
		For 50' To 69' In Length Only, Add	*1.06*	
		For 70' To 99' In Length Only, Add	*0.44*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.42*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.85*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.28*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.60*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.55*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.70*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0050	GSF	20' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	19.96	5.03
		For 30' To 49' In Length Only, Add	*2.04*	
		For 50' To 69' In Length Only, Add	*1.11*	
		For 70' To 99' In Length Only, Add	*0.46*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.60*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.00*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.50*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.95*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.40*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.79*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.58*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.73*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0051	GSF	24' Eave Height, Up To 30' Long, >50' To 80' Wide Clear Span Tapered Beam Frame Building With 26 Gauge Roofing And Siding	22.34	5.72
		For 30' To 49' In Length Only, Add	*2.23*	
		For 50' To 69' In Length Only, Add	*1.22*	
		For 70' To 99' In Length Only, Add	*0.50*	
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.67*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.12*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.68*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.18*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.68*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*4.24*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*5.36*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.65*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.82*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0052 Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0053 Up To 60' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings

(13 34 19 00-0052)

13 34 19 00-0054	GSF	14' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.30	4.37
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.22*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.59*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.96*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.10*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.91*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.47*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0055	GSF	16' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.41	4.68
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.52*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.87*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.70*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.09*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.31*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.18*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.69*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0056	GSF	18' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	18.30	4.93
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.55*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.92*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.37*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.78*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.20*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.48*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.39*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.53*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0057	GSF	20' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.16	5.19
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.96*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.44*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.87*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.30*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.75*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0058	GSF	24' Eave Height, Up To 60' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	20.78	5.63
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.62*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*1.04*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*2.03*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.49*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.95*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.99*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.60*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.81*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0059 >60' To 80' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0060	GSF	14' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.98	3.86
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.12*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.46*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.85*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0061	GSF	16' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.95	4.11
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.20*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.56*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.91*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.03*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.83*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.62*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0062	GSF	18' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.82	4.37
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.50*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.84*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.26*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.64*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.02*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.20*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.04*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.49*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.65*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0063	GSF	20' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.60	4.58
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.53*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.88*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.32*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.72*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.11*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.34*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.22*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.51*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.67*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0064	GSF	24' Eave Height, >60' To 80' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	19.07	4.98
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.57*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.95*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.43*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.86*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.29*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.62*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.58*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.55*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.72*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0065 >80' To 100' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0066	GSF	14' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.76	3.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.41*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.03*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.34*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.65*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.61*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.30*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.40*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0067	GSF	16' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.40	3.56
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.08*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.40*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.73*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.74*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.46*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0068	GSF	18' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.17	3.76
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.46*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.14*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.48*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.82*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.88*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0069	GSF	20' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.82	3.91
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.79*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.19*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.54*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.90*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.01*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.80*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.59*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0070	GSF	24' Eave Height, >80' To 100' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	17.16	4.27
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.51*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.86*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.29*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.67*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.06*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.26*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*4.12*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.50*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.64*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0071 >100' To 120' Wide Single Post 2-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0052)*

13 34 19 00-0072	GSF	14' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.35	3.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.67*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.30*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.60*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.54*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.20*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0073	GSF	16' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	13.90	3.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.70*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.04*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.36*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.34*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0074	GSF	18' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	14.54	3.56
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.09*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.42*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.74*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.76*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.49*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0075	GSF	20' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	15.15	3.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.76*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.14*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.48*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.82*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.88*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.64*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.45*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0076	GSF	24' Eave Height, >100' To 120' Wide, Single Post 2-Span Frame Building With 26 Gauge Roofing And Siding	16.43	4.01
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.49*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.82*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.23*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.60*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.97*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.12*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.94*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.60*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0077 Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0078 Up To 120' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0079	GSF	14' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.38	3.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.67*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.30*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.61*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.54*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.21*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0080	GSF	16' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.91	3.56
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.70*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.04*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.36*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.34*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0081	GSF	18' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.89	3.46
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.69*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.04*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.35*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.64*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.33*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0082	GSF	20' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	14.46	3.60
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.08*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.41*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.74*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.75*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.47*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.42*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0083	GSF	24' Eave Height, Up To 120' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	16.09	3.86
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.48*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.80*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.57*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.93*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*3.06*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.86*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.48*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.58*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0084 >120' To 150' Wide Double Post 3-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0077)*

13 34 19 00-0085	GSF	14' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.54	3.10
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.94*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.22*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.50*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.38*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.01*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0086	GSF	16' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	12.97	3.20
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.65*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.97*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.26*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.56*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.46*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.11*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.50*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0087	GSF	18' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.47	3.33
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.67*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.01*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.31*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.62*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.56*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.23*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.40*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.52*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0088	GSF	20' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	13.95	3.46
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.42*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.70*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.05*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.36*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.67*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.65*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.35*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.41*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0089	GSF	24' Eave Height, >120' To 150' Wide, Double Post 3-Span Frame Building With 26 Gauge Roofing And Siding	15.57	3.71
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.47*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.78*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.17*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.52*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.87*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.96*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.74*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.46*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.57*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0090 Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0001)*

Note: Includes a primer coated structural frame, a painted 26 gauge exterior wall and roof.

13 34 19 00-0091 Up To 160' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

13 34 19 00-0092	GSF	14' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.02	2.95
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.36*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.60*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.90*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.17*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.44*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.28*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.88*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.35*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0093	GSF	16' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.51	3.05
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.94*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.22*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.50*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.38*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.00*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.48*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0094	GSF	18' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.93	3.15
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.65*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.97*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.26*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.55*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.46*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.10*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0095	GSF	20' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.34	3.25
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.40*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.67*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.00*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.30*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.60*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.53*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.20*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0096	GSF	24' Eave Height, Up To 160' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	15.01	3.56
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.45*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.75*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.13*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.46*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.80*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.85*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.60*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.55*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0097 >160' To 180' Wide Triple Post 4-Span Frame Pre-Engineered Metal Building *(13 34 19 00-0090)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0098	GSF	14' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.81	2.85
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.59*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.89*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.15*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.42*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.24*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.83*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.35*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.46*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0099	GSF	16' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.23	2.95
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.37*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.61*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.92*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.19*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.47*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.32*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.94*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.36*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0100	GSF	18' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.69	3.05
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.38*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.63*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.95*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.24*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.52*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.41*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.05*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.48*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0101	GSF	20' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	13.10	3.15
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.66*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.98*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.28*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.57*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.49*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.14*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.39*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.49*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0102	GSF	24' Eave Height, 160' To 180' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.67	3.40
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.44*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.73*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.10*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.43*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.76*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.79*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.52*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.44*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.53*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0103 >180' To 200' Wide Triple Post 4-Span Frame Pre-Engineered Metal Buildings *(13 34 19 00-0090)*

13 34 19 00-0104	GSF	14' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.61	2.75
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.35*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.58*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.87*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.13*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.39*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.21*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.79*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.34*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.44*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0105	GSF	16' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	11.96	2.85
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.36*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.60*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.90*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.17*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.44*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.27*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.87*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.35*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.46*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0106	GSF	18' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.42	2.95
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.37*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.62*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.93*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.21*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.49*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.36*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*2.98*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.37*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.47*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0107	GSF	20' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	12.88	3.05
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.39*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.64*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*0.97*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.26*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.55*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.45*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.09*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.38*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.48*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	
13 34 19 00-0108	GSF	24' Eave Height, 180' To 200' Wide, Triple Post 4-Span Frame Building With 26 Gauge Roofing And Siding	14.44	3.30
		For >1 In 12 Slope To 3 In 12 Slope, Add	*0.43*	
		For >3 In 12 Slope To 5 In 12 Slope, Add	*0.72*	
		For 20 PSF Live Load And 20 PSF (90 MPH) Wind Load, Add	*1.08*	
		For 20 PSF Live Load And 25 PSF (100 MPH) Wind Load, Add	*1.41*	
		For 20 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*1.73*	
		For 30 PSF Live Load And 30 PSF (110 MPH) Wind Load, Add	*2.74*	
		For 30 PSF Live Load And 35 PSF (120 MPH) Wind Load, Add	*3.47*	
		For Each SF Of 24 Gauge Wall Panel, Add	*0.43*	
		For Each SF Of Lap Roof, Deduct	*-0.76*	
		For Each SF Of Hip Roof, Add	*0.51*	
		For Each SF Of Wall With No Girts And Wall Panels, Deduct (For use where different wall systems are desired)	*-1.97*	

13 34 19 00-0109 Metal Building Options *(13 34 19 00-0001)*

Note: For use with metal buildings only. See CSI section 08 36 13 00-0013 for sectional doors, 08 51 13 00-0065 for sliding windows.

13 34 19 00-0110 Metal Framing For Rough Openings *(13 34 19 00-0109)*

Note: Excludes doors See CSI section 08 13 00 00-0000 for metal doors, 08 14 00 00-0000 for wood doors, 08 33 23 00-0000 for overhead coiling doors.

13 34 19 00-0111	EA	Single Door, Metal Frame Rough Opening	432.28	113.81
13 34 19 00-0112	EA	Double Door, Metal Frame Rough Opening	654.31	147.35
13 34 19 00-0113	EA	10' x 10' Overhead Door, Metal Frame Rough Opening	767.47	139.73
13 34 19 00-0114	EA	12' x 12' Overhead Door, Metal Frame Rough Opening	827.77	142.26
13 34 19 00-0115	EA	14' x 14' Overhead Door, Metal Frame Rough Opening	878.33	147.35
13 34 19 00-0116	EA	Up To 12 SF, Window Opening, Metal Frame Rough Opening	416.54	113.81
13 34 19 00-0117	EA	>12 To 18 SF, Window Opening, Metal Frame Rough Opening	468.01	129.36
13 34 19 00-0118	LF	Additional Girts	11.43	

13 34 19 00-0119 Wall Panel Options For Metal Buildings *(13 34 19 00-0109)*

Note: Upgrade from 26 gauge wall panels.

13 34 19 00-0120	SF	Upgrade To 2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	9.94	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0121	SF	Upgrade To 2-1/2" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	12.13	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0122	SF	Upgrade To 3" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	14.11	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0123	SF	Upgrade To 4" Thick Insulated Wall Panel, Metal-Span CF Mesa Profile Note: 24 gauge exterior and 24 gauge interior panels.	16.41	
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0124		**Roofing Options For Metal Buildings** *(13 34 19 00-0109)*		
		Note: Upgrade from 26 gauge standing seam roof panels.		
13 34 19 00-0125	SF	Upgrade To 24 Gauge Galvanized Steel Standing Seam Roof	0.98	
13 34 19 00-0126	SF	Upgrade To 4" Thick Insulated Roof Panel, Metal-Span III, CFR-42	16.99	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0127	SF	Upgrade To 5" Thick Insulated Roof Panel, Metal-Span III, CFR-42	18.13	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0128	SF	Upgrade To 6" Thick Insulated Roof Panel, Metal-Span III, CFR-42	19.07	
		Note: 24 gauge exterior and 24 gauge interior panels.		
		For AZ-50 Aluminum-Zinc Coated Exterior, Add	*0.24*	
		For Premium Exterior Colors, Add	*0.12*	
13 34 19 00-0129	EA	3' x 10' Translucent Fiberglass Panels	147.45	43.70
13 34 19 00-0130	LF	Vented Ridge Vent For Standing Seam Roof	20.08	
13 34 19 00-0131		**Insulation For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0132	SF	1-1/2" Thick, R-5.5, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.01	0.27
13 34 19 00-0133	SF	2-1/2" Thick, R-8, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.12	0.27
13 34 19 00-0134	SF	3-1/2" Thick, R-11, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.27	0.36
13 34 19 00-0135	SF	3-1/2" Thick, R-13, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.48	0.36
13 34 19 00-0136	SF	6" Thick, R-19, Foil/Scrim/Kraft (FSK), Faced Metal Building Insulation	1.86	0.36
13 34 19 00-0137	SF	1-1/2" Thick, R-5.5, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.24	0.27
13 34 19 00-0138	SF	2-1/2" Thick, R-8, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.35	0.27
13 34 19 00-0139	SF	3-1/2" Thick, R-11, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.46	0.36
13 34 19 00-0140	SF	3-1/2" Thick, R-13, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.62	0.36
13 34 19 00-0141	SF	6" Thick, R-19, Polyester/Scrim/Kraft (PSK), Faced Metal Building Insulation	1.93	0.36
13 34 19 00-0142	SF	1-1/2" Thick, R-5.5, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.17	0.27
13 34 19 00-0143	SF	2-1/2" Thick, R-8, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.31	0.27
13 34 19 00-0144	SF	3-1/2" Thick, R-11, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.55	0.36
13 34 19 00-0145	SF	3-1/2" Thick, R-13, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	1.71	0.36
13 34 19 00-0146	SF	6" Thick, R-19, Vinyl/Scrim/Kraft (VSK), Faced Metal Building Insulation	2.00	0.36
13 34 19 00-0147	SF	2" Thick, R-6.5, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.09	0.27
13 34 19 00-0148	SF	3" Thick, R-10, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.15	0.27
13 34 19 00-0149	SF	4" Thick, R-13, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.30	0.36
13 34 19 00-0150	SF	6" Thick, R-19, Polypropylene/Scrim/Kraft, Faced Metal Building Insulation	1.62	0.36
13 34 19 00-0151	SF	2" Thick, R-6.5, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.10	0.27
13 34 19 00-0152	SF	3" Thick, R-10, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.17	0.27
13 34 19 00-0153	SF	4" Thick, R-13, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.32	0.36
13 34 19 00-0154	SF	6" Thick, R-19, Polypropylene/Scrim/Metalized Polyester, Faced Metal Building Insulation	1.66	0.36
13 34 19 00-0155	SF	2" Thick, R-6.5, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.47	0.27
13 34 19 00-0156	SF	3" Thick, R-10, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.57	0.27
13 34 19 00-0157	SF	4" Thick, R-13, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	1.72	0.36
13 34 19 00-0158	SF	6" Thick, R-19, Black Matte Polypropylene/Fiberglass Polyester Blend Fabric, Faced Metal Building Insulation	2.06	0.36
13 34 19 00-0159		**Eave And Overhang Options For Metal Buildings** *(13 34 19 00-0109)*		
13 34 19 00-0160	LF	2' End Wall Roof Overhang And 26 Gauge Soffit	32.97	7.92
13 34 19 00-0161	LF	4' End Wall Roof Overhang And 26 Gauge Soffit	49.57	5.69
13 34 19 00-0162	SF	Up To 20 SF, Prefinished Aluminum, Wall Hung Canopy	65.66	12.70
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*15.15*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*8.58*	
13 34 19 00-0163	SF	>20 To 50 SF, Prefinished Aluminum, Wall Hung Canopy	54.89	10.67
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*12.66*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*7.17*	
13 34 19 00-0164	SF	>50 SF, Prefinished Aluminum, Wall Hung Canopy	42.18	9.14
		Note: Up to 7' projection from wall. Includes finished underside and edges.		
		For End Braced (Up To 16' Wall Projection), Add	*9.63*	
		For Overhead Braced (Up To 10' Wall Projection), Add	*5.41*	
13 34 19 00-0165	SF	Up To 50 SF, Prefinished Aluminum, Free Standing Canopy	82.13	19.31
		Note: Includes finished underside and edges.		
13 34 19 00-0166	SF	>50 SF, Prefinished Aluminum, Free Standing Canopy	54.52	11.68
		Note: Includes finished underside and edges.		
13 34 19 00-0167	LF	1' Standard Eave Overhang Without Soffit	30.75	
13 34 19 00-0168	LF	2' Standard Eave Overhang Without Soffit	38.42	
13 34 19 00-0169	LF	3' Standard Eave Overhang Without Soffit	46.38	
13 34 19 00-0170	LF	4' Standard Eave Overhang Without Soffit	54.19	
13 34 19 00-0171	LF	6' Standard Eave Overhang Without Soffit	69.15	
13 34 19 00-0172	LF	1' Standard Eave Overhang And 26 Gauge Soffit	40.70	
		For 24 Gauge, Add	*4.16*	
13 34 19 00-0173	LF	2' Standard Eave Overhang And 26 Gauge Soffit	50.80	
		For 24 Gauge, Add	*5.24*	
13 34 19 00-0174	LF	3' Standard Eave Overhang And 26 Gauge Soffit	61.16	
		For 24 Gauge, Add	*6.28*	
13 34 19 00-0175	LF	4' Standard Eave Overhang And 26 Gauge Soffit	71.54	
		For 24 Gauge, Add	*7.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 19 00-0176	LF	6' Standard Eave Overhang And 26 Gauge Soffit	91.30	
		For 24 Gauge, Add	*9.43*	

13 34 19 00-0177 Louvers And Vents For Metal Buildings *(13 34 19 00-0109)*

13 34 19 00-0178	EA	4' x 3' Fixed Louver	533.08	158.52
13 34 19 00-0179	EA	12" Rotary Vent With Damper	326.07	101.62
13 34 19 00-0180	EA	20" Rotary Vent With Damper	554.99	135.66
13 34 19 00-0181	EA	24" Rotary Vent With Damper	722.85	152.43
13 34 19 00-0182	EA	Gravity Ridge Ventilator With Birdscreen, 9" Throat x 10'	841.53	203.23
13 34 19 00-0183	EA	Gravity Ridge Ventilator With Birdscreen, 12" Throat x 10'	891.05	203.23
13 34 19 00-0184	EA	Ridge Ventilator - 9" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,020.68	203.23
13 34 19 00-0185	EA	Ridge Ventilator - 12" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,105.98	203.23
13 34 19 00-0186	EA	Ridge Ventilator - 15" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,199.82	203.23
13 34 19 00-0187	EA	Ridge Ventilator - 18" Throat X 10 Ft, Manually Operated Damper With Birdscreen	1,293.65	203.23
13 34 19 00-0188	EA	Ridge Ventilator - 9" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,693.84	254.05
13 34 19 00-0189	EA	Ridge Ventilator - 12" Throat X 10 Ft, Motor Operated Damper With Birdscreen	1,847.39	254.05

13 34 19 00-0190 Gutters And Downspouts For Metal Buildings *(13 34 19 00-0109)*

13 34 19 00-0191	LF	Pre-Engineered Standard Type Gutter, Painted	8.64	2.54
		For Galvanized Instead Of Painted, Deduct	*-0.89*	
13 34 19 00-0192	LF	Pre-Engineered Standard Type Downspout, Painted	8.54	3.56
		For Galvanized Instead Of Painted, Deduct	*-0.36*	

13 34 23 Fabricated Structures *(13 34)*

13 34 23 13 Portable and Mobile Buildings *(13 34 23)*

13 34 23 13-0001 Prefabricated Signal, Communication Or Electrical Building *(13 34 23 13)*

Note: Complete, includes door, roof, lights and wiring, insulation, painted.

13 34 23 13-0002	SF	15 SF To 29 SF Prefabricated Signal, Communication Or Electrical Building	368.53	
13 34 23 13-0003	SF	30 SF To 49 SF Prefabricated Signal, Communication Or Electrical Building	316.18	
13 34 23 13-0004	SF	50 SF To 79 SF Prefabricated Signal, Communication Or Electrical Building	253.10	
13 34 23 13-0005	SF	80 SF To 99 SF Prefabricated Signal, Communication Or Electrical Building	200.24	
13 34 23 13-0006	SF	100 SF To 144 SF Prefabricated Signal, Communication Or Electrical Building	178.92	

13 34 23 13-0007 Temporary Trailers 1 To 6 Years Life *(13 34 23 13)*

Note: Includes cost to set-up, underpin, tie-downs, HVAC unit, lights, outlets, phone jacks, two wooden landings, stairs, and handrails. Trailers shall have a 12' x 12' office area and 6' x 8' bathroom with sink, mirror, and water closet. Minimum of two pedestrian doors and a tinted/insulated 3' x 4' single hung window per 20 SF of wall area. Excludes connection of utilities.

13 34 23 13-0008	SF	Single Trailer Up To 14' x 73'	43.17	
		For Each Delivery And Set-Up (Block And Level), Add	*1,310.63*	
		For Each Knock-Down And Pick-Up, Add	*1,030.63*	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
13 34 23 13-0009	SF	Modular Trailers, Connected	60.44	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*2,900.17*	
		For Each Knock-Down And Pick-Up, Add	*2,250.17*	
13 34 23 13-0010	EA	Add Per Additional Exterior Door With Frame And Hardware	647.56	

13 34 23 13-0011 Accessories *(13 34 23 13)*

13 34 23 13-0012 Skirting *(13 34 23 13-0011)*

Note: Includes 2" x 4" wood framing 16" on center.

13 34 23 13-0013 Vinyl Covered, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0014	SF	1'-8" High Vinyl Covered Skirt	3.93	1.59
13 34 23 13-0015	SF	3' High Vinyl Covered Skirt	5.85	2.62

13 34 23 13-0016 Fiberglass, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0017	SF	1'-8" High Fiberglass Skirt	7.24	3.00
13 34 23 13-0018	SF	3' High Fiberglass Skirt	8.45	3.65

13 34 23 13-0019 Plywood, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0020	SF	1'-8" High 5/8" Plywood Skirt	6.91	3.18
13 34 23 13-0021	SF	3' High 5/8" Plywood Skirt	8.19	3.84

13 34 23 13-0022 Steel, Painted, Exterior Only *(13 34 23 13-0012)*

13 34 23 13-0023	SF	1'-8" High 26 Gauge Steel Skirt	7.71	3.00
13 34 23 13-0024	SF	3' High 26 Gauge Steel Skirt	8.99	3.65

13 34 23 13-0025 14" x 14" Access Hatch *(13 34 23 13-0011)*

Note: Simple design.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 34 23 13-0026	EA	14" x 14" Vinyl Covered Access Hatch	193.21	70.36
13 34 23 13-0027	EA	14" x 14" Fiberglass Access Hatch	171.25	70.36
13 34 23 13-0028	EA	14" x 14" Plywood Access Hatch	191.98	70.36
13 34 23 13-0029	EA	14" x 14" 26 Gauge Steel Access Hatch	192.98	70.36

13 34 23 13-0030 Pole Anchor *(13 34 23 13-0011)*

Note: Joslyn.

13 34 23 13-0031	EA	Pole Anchor, 4" Helix, 3/4" x 54" Shaft	53.64	26.25
13 34 23 13-0032	EA	Pole Anchor, 6" Helix, 3/4" x 66" Shaft	59.61	26.25
13 34 23 13-0033	EA	Pole Anchor, 8" Helix, 1" x 66" Shaft	77.77	29.53
13 34 23 13-0034	EA	Pole Anchor, 10" Helix, 1-1/4" x 66" Shaft	106.55	32.82
13 34 23 13-0035	EA	Pole Anchor, 10" Helix, 1-1/4" x 8' Shaft	121.26	36.10
13 34 23 13-0036	EA	Pole Anchor, 16" Helix, 1-1/4" x 8' Shaft	191.81	49.22

13 34 23 13-0037 Aluminum Modular Access Ramp *(13 34 23 13-0011)*

Note: Includes picketed guardrails, inside grabrails, legs and hardware.

13 34 23 13-0038	EA	72" Long x 52-1/4" Wide Ramp Section, Aluminum Modular Access Ramp	2,371.75	23.42
13 34 23 13-0039	EA	60-1/4" Long x 61-3/4" Wide Door Landing Section, Aluminum Modular Access Ramp	2,399.85	30.44
13 34 23 13-0040	EA	60-1/4" Long x 123-1/2" Wide Switchback Landing Section, Aluminum Modular Access Ramp	4,931.26	46.83
13 34 23 13-0041	EA	110-3/4" Long x 72" Wide Switchback Landing Section, Aluminum Modular Access Ramp	5,311.54	46.83
13 34 23 13-0042	EA	60-1/4" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,494.91	30.44
13 34 23 13-0043	EA	71-3/4" Long x 52-1/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	2,466.81	23.42
13 34 23 13-0044	EA	84-1/2" Long x 61-3/4" Wide Intermediate Landing Section, Aluminum Modular Access Ramp	3,443.23	30.44
13 34 23 13-0045	EA	30" High x 82" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,448.57	30.44
13 34 23 13-0046	EA	35" High x 96" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,448.57	30.44
13 34 23 13-0047	EA	42" High x 110" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	2,784.87	30.44
13 34 23 13-0048	EA	49" High x 124" Long x 52-3/8" Wide Step Section, Aluminum Modular Access Ramp	3,118.80	30.44

13 34 23 14 Fabricated Classroom Buildings *(13 34 23)*

13 34 23 14-0001 Semi Permanent Modular Transportable Buildings *(13 34 23 14)*

13 34 23 14-0002	SF	Portable Classrooms, Complete With Doors, Windows, Fixtures, Toilets And Workroom	64.32	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*2,900.17*	
		For Each Knock-Down And Pick-Up, Add	*2,250.17*	
13 34 23 14-0003	SF	Modular Classroom, Connected, Complete With Doors, Windows, Fixtures, Toilets And Teachers Work Room	66.23	
		For Each Anchoring Into Asphalt Or Concrete, Add	*110.00*	
		For Each Delivery And Set-Up (Block And Level), Add	*2,900.17*	
		For Each Knock-Down And Pick-Up, Add	*2,250.17*	

13 34 23 16 Fabricated Control Booths *(13 34 23)*

13 34 23 16-0001 Fabricated Parking Attendant Booths *(13 34 23 16)*

Note: Excludes foundations and slab.

13 34 23 16-0002	EA	Parking Booth For Attendant	1,143.06	

13 34 23 31 Fabricated Pavilion Style Buildings *(13 34 23)*

13 34 23 31-0001 Pavilion Style Metal Shelter Structures *(13 34 23 31)*

Note: Prefabricated open structure system, complete with all necessary hardware. Hip roof, steel structural rafters and columns, urethane/polyester (TGIC) powder finish, aluminum roof decking, 8' height at perimeter. Excludes foundations and slab. Americana or equal.

13 34 23 31-0002	EA	12' x 12' Pavilion Style Metal Shelter Structure	10,339.45	1,948.64
13 34 23 31-0003	EA	16' x 16' Pavilion Style Metal Shelter Structure	12,161.44	2,033.39
13 34 23 31-0004	EA	16' x 32' Pavilion Style Metal Shelter Structure	15,544.02	2,168.95
13 34 23 31-0005	EA	20' x 20' Pavilion Style Metal Shelter Structure	14,595.43	2,101.18
13 34 23 31-0006	EA	20' x 30' Pavilion Style Metal Shelter Structure	18,079.13	2,304.51
13 34 23 31-0007	EA	20' x 40' Pavilion Style Metal Shelter Structure	21,572.20	2,372.30
13 34 23 31-0008	EA	24' x 24' Pavilion Style Metal Shelter Structure	17,875.44	2,168.95
13 34 23 31-0009	EA	24' x 48' Pavilion Style Metal Shelter Structure	25,259.51	2,711.19
13 34 23 31-0010	EA	30' x 30' Pavilion Style Metal Shelter Structure	24,274.58	2,711.19
13 34 23 31-0011	EA	30' x 60' Pavilion Style Metal Shelter Structure	48,445.41	3,388.99
13 34 23 31-0012	EA	40' x 40' Pavilion Style Metal Shelter Structure	44,751.08	4,235.48
13 34 23 31-0013	EA	40' x 60' Pavilion Style Metal Shelter Structure	64,932.60	4,744.58

13 40 Integrated Construction *(13)*

13 42 Building Modules *(13 40)*

13 42 63 Detention Cell Modules *(13 42)*

13 42 63 16 Steel Detention Cell Modules *(13 42 63)*

13 42 63 16-0001	EA	Bar Front, Rolling, 7/8" Bars, 4" On Center, 7' High, 5' Wide Note: With hardware.	14,135.03	770.50
13 42 63 16-0002	EA	Cells, Prefabricated, 5'-6' Wide, 7'-8' High, Bar Front, Cot Note: Not including plumbing.	19,765.69	1,031.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 42 63 16-0003	SF	Temporary Holding Cell, 1/4" Woven Rod Panels On 2" Centers Note: Includes 12 gauge steel frame and concealment plates.	85.55	7.31
13 42 63 16-0004	SF	Solid Security Ceiling, 14 Gauge Formed Steel Channels Note: 20" wide, 14 gauge galvannealed steel face sheet, 10 gauge steel wall angle, backed polyester powder finish.	65.22	7.31
13 42 63 16-0005	SF	Perforated Metal Crime Shield	60.66	3.02

13 47 Facility Protection *(13 40)*

13 47 13 Cathodic Protection *(13 47)*

13 47 13 13 Cathodic Protection for Underground and Submerged Piping *(13 47 13)*

13 47 13 13-0001 Anodes *(13 47 13 13)*

13 47 13 13-0002 Magnesium Type, Conventional *(13 47 13 13-0001)*

13 47 13 13-0003	EA	9 LB Magnesium Type Anodes	347.67	154.12
13 47 13 13-0004	EA	17 LB Magnesium Type Anodes	514.48	222.74
13 47 13 13-0005	EA	32 LB Magnesium Type Anode	698.46	286.55
13 47 13 13-0006	EA	48 LB Magnesium Type Anode	993.00	400.94

13 47 13 13-0007 Graphite Type *(13 47 13 13-0001)*

Note: Includes epoxy cap.

13 47 13 13-0008	EA	3" x 60" (32 LB) Graphite Type Anodes With Epoxy Cap	516.62	216.31
13 47 13 13-0009	EA	4" x 80" (68 LB) Graphite Type Anodes With Epoxy Cap	798.36	302.06
13 47 13 13-0010	EA	6" x 36" (45 LB) Graphite Type Anodes With Epoxy Cap	593.28	189.04
13 47 13 13-0011	EA	6" x 72" (80 LB) Graphite Type Anodes With Epoxy Cap	901.89	252.37

13 47 13 13-0012 Rectifiers *(13 47 13 13)*

13 47 13 13-0013 Air Cooled, Silicon Type *(13 47 13 13-0012)*

13 47 13 13-0014	EA	Air Cooled Rectifiers, 28 Volt, 10 Amperes, Silicon Type	1,766.81	307.18
13 47 13 13-0015	EA	Air Cooled Rectifiers, 20 Volt / 20 Amperes, Silicon Type	1,910.61	307.18

13 47 13 13-0016 Oil Immersed, Silicon Type *(13 47 13 13-0012)*

13 47 13 13-0017	EA	Oil Immersed Rectifiers, 28 Volt, 10 Amperes, Silicon Type	2,660.93	355.18
13 47 13 13-0018	EA	Oil Immersed Rectifiers, 20 Volt / 20 Amperes, Silicon Type	2,815.01	355.18

13 47 13 13-0019 Anode Backfill *(13 47 13 13)*

13 47 13 13-0020	LB	Anode Backfill, Coke Breeze	1.01	0.39

13 47 13 13-0021 Cathodic Protection Cable *(13 47 13 13)*

13 47 13 13-0022	MLF	Cathodic Protection Cable, OR2 - No 8	1,872.21	756.12
13 47 13 13-0023	MLF	Cathodic Protection Cable, OR2 - No 6	2,031.61	756.12
13 47 13 13-0024	MLF	Cathodic Protection Cable, OR2 - No 4	2,270.72	756.12
13 47 13 13-0025	MLF	Cathodic Protection Cable, OR2 - No 2	2,669.23	756.12
13 47 13 13-0026	MLF	Cathodic Protection Cable, OR2 - No 1	3,257.28	833.10
13 47 13 13-0027	MLF	Cathodic Protection Cable, OR2-No 1/0	3,556.16	833.10
13 47 13 13-0028	MLF	Cathodic Protection Cable, OR2-No 2/0	4,054.30	833.10
13 47 13 13-0029	MLF	Cathodic Protection Cable, OR2-No 4/0	5,399.23	908.13

13 47 13 13-0030 Cathodic Test Stations *(13 47 13 13)*

13 47 13 13-0031 Flush Curb Box Type With Lockable Cover And Terminal Box *(13 47 13 13-0030)*

13 47 13 13-0032	EA	Cathodic Test Station, Flush Curb Type With Lockable Cover	261.24	88.53

13 47 13 16 Cathodic Protection for Underground Storage Tanks *(13 47 13)*

See CSI section 13 47 13 13-0000 for cathodic protection for tanks.

13 48 Sound, Vibration, and Seismic Control *(13 40)*

13 48 63 Fabricated Seismic Control Assemblies *(13 48)*

13 48 63 00-0001 Seismic Bracing Assembly *(13 48 63)*

13 48 63 00-0002	EA	4-Bolt Deck Anchor Connection For Seismic Brace Note: Includes drilling into concrete, bolts, anchor plate, seismic bracket attached with bolt, nut and washer.	140.06
13 48 63 00-0003	EA	2 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	123.36
13 48 63 00-0004	EA	3 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	184.14
13 48 63 00-0005	EA	4 Cable Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and cable for attachment to ceiling anchor. Excludes deck anchors.	237.91
13 48 63 00-0006	EA	2 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	243.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
13 48 63 00-0007	EA	3 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	360.40	
13 48 63 00-0008	EA	4 Channel Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and channel for attachment to ceiling anchor. Excludes deck anchors.	477.59	
13 48 63 00-0009	EA	2 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	154.99	
13 48 63 00-0010	EA	3 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	228.07	
13 48 63 00-0011	EA	4 Rod Seismic Brace With Center Threaded Rod Stiffener Note: Includes seismic bracket, bolts, and rod for attachment to ceiling anchor. Excludes deck anchors.	301.15	

13 48 63 00-0012 Seismic Brace Components *(13 48 63)*

13 48 63 00-0013	EA	1/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-1 Note: To be used with 7x19 stranded cable.	24.63	
13 48 63 00-0014	EA	3/16" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-2 Note: To be used with 7x19 stranded cable.	33.05	
13 48 63 00-0015	EA	1/4" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-3 Note: To be used with 7x19 stranded cable.	43.16	
13 48 63 00-0016	EA	3/8" Cable Diameter Seismic Cable Brace Swivel Anchor; Mason SCB-4 Note: To be used with 7x19 stranded cable.	58.30	
13 48 63 00-0017	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-1 Note: To be used with angle or channel.	23.26	
13 48 63 00-0018	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-2 Note: To be used with angle or channel.	30.67	
13 48 63 00-0019	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-3 Note: To be used with angle or channel.	39.67	
13 48 63 00-0020	EA	Seismic Solid Brace Swivel Anchor; Mason SSB-4 Note: To be used with angle or channel.	52.90	
13 48 63 00-0021	EA	1/8" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-1 Note: To be used with 7x19 stranded cable.	27.76	
13 48 63 00-0022	EA	3/16" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-2 Note: To be used with 7x19 stranded cable.	35.96	
13 48 63 00-0023	EA	1/4" Cable Diameter Seismic Cable Brace Hook Anchor; Mason SCBH-3 Note: To be used with 7x19 stranded cable.	49.20	
13 48 63 00-0024	EA	1/8" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-1 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	47.08	
13 48 63 00-0025	EA	3/16" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-2 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	65.34	
13 48 63 00-0026	EA	1/4" Cable Diameter Seismic Cable Brace Vise Anchor; Mason SCBV-3 Note: Can be used with either SCB or SCBH on the other end. To be used with 7x19 stranded cable.	88.37	
13 48 63 00-0027	EA	Seismic Rod Clamp; Mason SRC-1 Note: To be used on 3/8" through 5/8" rod. 1" x 1" x 1/4" Angle or Stiffener not included.	20.30	
13 48 63 00-0028	EA	Seismic Rod Clamp; Mason SRC-1 1/2 Note: To be used on 3/8" through 1" rod. 1-1/2" x 1-1/2" x 1/4" Angle or Stiffener not included.	24.54	
13 48 63 00-0029	EA	Seismic Rod Clamp; Mason SRC-2 Note: To be used on 3/8" through 1-1/4" rod. 2" x 2" x 1/4" Angle or Stiffener not included.	30.36	

END OF SECTION 13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 Conveying Equipment

14 01 Operation and Maintenance of Conveying Equipment *(14)*

14 01 20 Operation and Maintenance of Elevators *(14 01)*

14 01 20 71 Elevator Rehabilitation *(14 01 20)*

14 01 20 71-0001 Elevator Maintenance *(14 01 20 71)*

14 01 20 71-0002	EA	Regular Routine Elevator Inspection, Traction Up to 10 floors (Sufficient for Issue of Certificate/Permit)	312.84	
14 01 20 71-0003	EA	Regular Routine Elevator Inspection, Traction Over 10 floors (Sufficient for Issue of Certificate/Permit)	469.26	
14 01 20 71-0004	EA	Regular Routine Elevator Inspection, Hydraulic (Sufficient for Issue of Certificate/Permit)	312.84	
14 01 20 71-0005	EA	Regular Routine Elevator Inspection, Roped Hydraulic (Sufficient for Issue of Certificate/Permit)	312.84	
14 01 20 71-0006	EA	Regular Routine Elevator Inspection, Dumbwaiter/Cart Lifts (Sufficient for Issue of Certificate/Permit)	312.84	
14 01 20 71-0007	HR	Elevator Servicing - Hydraulic, Labor Only	153.51	
14 01 20 71-0008	HR	Elevator Servicing - Traction, Labor Only	307.02	
14 01 20 71-0009	EA	Annual Category 1 Test for Traction Up to 10 floors	1,116.91	
14 01 20 71-0010	EA	Annual Category 1 Test for Traction Over 10 floors	1,116.91	
14 01 20 71-0011	EA	Annual Category 1 Test for Hydraulic Elevator	1,116.91	
14 01 20 71-0012	EA	Annual Category 1 Test for Roped Hydraulic Elevator	1,116.91	
14 01 20 71-0013	EA	Annual Category 1 Test for Dumbwaiter/Cart Lifts	837.68	
14 01 20 71-0014	EA	Full Load Test for Traction Up to 10 floors	2,233.82	
14 01 20 71-0015	EA	Full Load Test for Traction Over 10 floors	2,233.82	
14 01 20 71-0016	EA	Full Load Test for Hydraulic Elevator	2,233.82	
14 01 20 71-0017	EA	Full Load Test for Roped Hydraulic Elevator	2,233.82	
14 01 20 71-0018	EA	Full Load Test for Dumbwaiter/Cart Lifts	1,675.36	
14 01 20 71-0019	EA	Acceptance Test for Traction Up to 10 floors	1,760.12	
14 01 20 71-0020	EA	Acceptance Test for Traction Over 10 floors	1,760.12	
14 01 20 71-0021	EA	Acceptance Test for Hydraulic Elevator	1,760.12	
14 01 20 71-0022	EA	Acceptance Test for Roped Hydraulic Elevator	1,760.12	
14 01 20 71-0023	EA	Acceptance Test for Dumbwaiter/Cart Lifts	1,760.12	

14 01 20 71-0024 Elevator Modernization *(14 01 20 71)*

14 01 20 71-0025	EA	5" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	24,985.91	6,947.39
		For Union-Guard Cathotic Protection, Add *Note: Includes Pump.*	*6,513.90*	
		For An Additional Stop, Add *Note: Includes Removal.*	*7,130.69*	
14 01 20 71-0026	EA	6" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) Note: Includes replacing existing piston/cylinder, 10 3/4" Sealed PVC, pit channel and buffers.	28,221.94	8,394.76
		For Union-Guard Cathotic Protection, Add *Note: Includes Pump.*	*6,573.89*	
		For An Additional Stop, Add *Note: Includes Removal.*	*7,513.69*	
14 01 20 71-0027	EA	8" Piston Replacement (Hydraulic) Unit Up To 3 Stories (2,000 LB x 50 FPM) Note: Includes replacing existing piston/cylinder, 12 3/4" Sealed PVC, pit channel and buffers.	37,322.79	11,578.98
		For Union-Guard Cathotic Protection, Add *Note: Includes Pump.*	*7,533.73*	
		For An Additional Stop, Add *Note: Includes Removal.*	*9,376.69*	
14 01 20 71-0028	EA	Removal And Replacement Of Multi-Port Controller Valve	4,089.74	
14 01 20 71-0029	EA	5 Gallon Container Of Hydraulic Oil For Elevator Modernization	38.09	
14 01 20 71-0030	EA	55 Gallon Container Of Hydraulic Oil For Elevator Modernization	377.64	
14 01 20 71-0031	SET	Car Roller Guide Assembly, Set Of Four Note: Includes cover plate.	2,977.44	578.95
14 01 20 71-0032	SET	CWT Roller Guide Assembly, Set Of Four Note: Includes cover plate.	2,588.71	578.95
14 01 20 71-0033	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Baked Enamel Finish Note: Excludes buildback.	5,984.96	
14 01 20 71-0034	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Single Slide Door With Satin Stainless Finish Note: Excludes buildback.	6,464.88	
14 01 20 71-0035	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Baked Enamel Finish Note: Excludes buildback.	6,293.31	
14 01 20 71-0036	EA	8" Wide New Entrance With Frame, Header, Doors, And Hangers - Center Opening With Satin Stainless Finish Note: Excludes buildback.	6,773.23	
14 01 20 71-0037	SF	Cab Flooring, Epoxy Aggregate Note: SF cost not applicable for partial cab flooring.	67.63	16.54
14 01 20 71-0038	SF	Cab Flooring, Aluminum Diamond Plate Note: SF cost not applicable for partial cab flooring.	59.11	16.54
14 01 20 71-0039	EA	Solid State Starting (Soft Start)	4,736.35	578.95
14 01 20 71-0040	EA	Pump Unit (Tank, Valve, Oil, Motor And Victaulic Fittings)	17,082.83	2,894.74
14 01 20 71-0041	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Side Slide (GAL)	1,890.42	578.95
14 01 20 71-0042	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Side Slide (GAL)	380.65	289.47
14 01 20 71-0043	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Side Slide (GAL)	343.46	289.47
14 01 20 71-0044	EA	Hoistway Door Interlock Set, Single Speed Side Slide (GAL)	462.24	289.47
14 01 20 71-0045	EA	Hoistway Door Hanger Set (Rollers, Eccentrics And Track), Single Speed Center Opening (GAL)	2,078.79	578.95
14 01 20 71-0046	EA	Hoistway Door Closer Set (Spring Closer), Single Speed Center Opening (GAL)	471.84	289.47
14 01 20 71-0047	EA	Hoistway Door Closer Set (Spirator Closer), Single Speed Center Opening (GAL)	343.46	289.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0048	EA	Hoistway Door Interlock Set, Single Speed Center Opening (GAL)	547.43	289.47
14 01 20 71-0049	EA	Fire Service Key Switch Controller	2,828.67	578.95
14 01 20 71-0050	EA	ADA Telephone (Rath Microtech)	1,354.34	289.47
14 01 20 71-0051	EA	Car Door Operator With ADA Buzzer, Single Speed Side Slide (GAL)	6,317.22	1,157.90
14 01 20 71-0052	EA	Car Door Operator With ADA Buzzer, Single Speed Center Opening (GAL)	6,473.19	1,157.90
14 01 20 71-0053	EA	Car Door Safety Edge (Infrared Proximity Type Edge)	1,403.53	289.47
14 01 20 71-0054	EA	Car Operating Panel (ADA, Fire, Position, Chime)	6,353.21	1,157.90
14 01 20 71-0055	EA	Car Position LED Indicator And Cover Plate, Stainless Steel	1,768.27	289.47
14 01 20 71-0056	EA	Car Traveling Lanterns With Audible Signal	1,228.36	289.47
14 01 20 71-0057	EA	Hoistway Door Jamb Floor Tags (Braille)	187.93	144.74
14 01 20 71-0058	EA	Lobby Vandal Resistant Call Station	1,168.37	289.47
14 01 20 71-0059	LF	Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	13.87	
		Note: Excludes Removal and Replacement of Material. See CSI section 14 01 20 71-0060 for Removal and Replacement of Traveling Cable.		
14 01 20 71-0060	EA	Removal And Replacement Of Traveling Cable (4 - #14 AWG, 69 - #18 AWG, 1 Shielded Pair, 2 Co-Axial)	4,631.59	2,315.80
		Note: Excludes Traveling Cable material. See CSI section 14 01 20 71-0059 for Traveling Cable material.		
14 01 20 71-0061	LF	Governor Cable	1.08	
		Note: Removal and Replacement of Governor Cable is part of Traveling Cable Removal and Replacement.		
14 01 20 71-0062	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Plastic Laminate - Hang On Panels)	4,136.45	578.95
14 01 20 71-0063	EA	Cab Wall Coverings (3,500 Lb. Capacity: 6'-8" x 5'-5" Cab), Rigid Stainless Steel - Hang On Panels)	6,296.09	578.95
14 01 20 71-0064	EA	Removal And Replacement Of Governor	3,920.49	578.95
14 01 20 71-0065	EA	Removal And Replacement Of Car Station	6,353.21	1,157.90
14 01 20 71-0066	EA	Removal And Replacement Of Telephone	1,354.34	289.47
14 01 20 71-0067	EA	Removal And Replacement Of Lanterns (Hall)	1,288.35	289.47
14 01 20 71-0068	EA	Hall Call Buttons, Vandal Resistant	1,108.38	289.47
14 01 20 71-0069	EA	Hall Traveling Lanterns With Audible Signal	1,288.35	289.47
14 01 20 71-0070	EA	Add Raised Character (Braille) Signage To Control Panel	158.78	144.74
14 01 20 71-0071	EA	New Microprocessor Based Controller (Non-Proprietary)	29,743.59	4,631.59
14 01 20 71-0072	EA	New Steel Shell And Canopy (Plastic Panels Not Included), For 5' x 7' Cab	18,945.39	4,631.59
14 01 20 71-0073	EA	New Steel Shell, Canopy And Platform (Plastic Laminate Not Included), For 5' x 7' Cab	29,575.98	4,631.59
14 01 20 71-0074	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangment), Baked Enamel	2,456.73	
14 01 20 71-0075	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangment), Baked Enamel	2,576.71	
14 01 20 71-0076	EA	Removal And Replacement Of Elevator/Hoistway Doors (Single Slide Door Arrangment), Stainless Steel	2,708.69	
14 01 20 71-0077	EA	Removal And Replacement Of Elevator/Hoistway Doors (Center Opening Door Arrangment), Stainless Steel	2,852.66	
14 01 20 71-0078	EA	Elevator Pit Ladder, Steel	1,468.32	289.47
		Note: Labor cost is for bolting to concrete pit wall.		
14 01 20 71-0079	EA	New Steel Shell, Canopy, Platform, Standard Cab Plastic Laminate, For 5' x 7' Cab	36,690.97	4,631.59
14 01 20 71-0080	LF	Removal And Replacement Of Hoisting Cable, 3/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 4.5, EHS Traction Steel - 5.5	116.87	
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0081	LF	Removal And Replacement Of Hoisting Cable, 1/2" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 6.0, EHS Traction Steel - 9.7	117.29	
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0082	LF	Removal And Replacement Of Hoisting Cable, 5/8" - Liftpac, Bethlehem Wire Rope Minimum Breaking Strength (Tons): Traction Steel - 12.7, EHS Traction Steel - 15.4	117.67	
		Note: Labor cost is for replacement of set of 4 ropes and rise of 40 feet.		
14 01 20 71-0083	EA	Hydraulic Leak Detector And Alarm in Elevator Pit (Stancor Oil Minder - 0.5 HP)	6,569.64	578.95
14 01 20 71-0084	EA	6" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,816.67	578.95
		Note: Cladding typically done by metal company.		
14 01 20 71-0085	EA	8" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,876.66	578.95
		Note: Cladding typically done by metal company.		
14 01 20 71-0086	EA	10" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	2,936.65	578.95
		Note: Cladding typically done by metal company.		
14 01 20 71-0087	EA	12" Wide Elevator Door Jamb And Header Wrapped With 0.030" Stainless Steel (42" x 84" Opening)	3,008.64	578.95
		Note: Cladding typically done by metal company.		
14 01 20 71-0088	EA	"Rope Gripper" With Pumping Unit For Use On 4-7/8" Maximum Out to Out Of Cable	5,936.15	578.95
14 01 20 71-0089	EA	"Rope Gripper" With Pumping Unit For Use On 6" Maximum Out to Out Of Cable	5,936.15	578.95
14 01 20 71-0090	EA	"Rope Gripper" With Pumping Unit For Use On 10" Maximum Out to Out Of Cable	8,335.75	578.95
14 01 20 71-0091	EA	"Rope Gripper" With Pumping Unit For Use On 11-1/2" Maximum Out to Out Of Cable	9,535.55	578.95
14 01 20 71-0092	EA	60 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	3,127.90	146.28
14 01 20 71-0093	EA	100 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	3,285.66	175.54
14 01 20 71-0094	EA	200 Amperes, Elevator Disconnect Switch, 3 Phase, 480 - 120 Volt, Firesafety Interface Relay, Mechanical Interlock	4,375.25	204.79
14 01 20 71-0095	EA	Aluminum Handrail Spacers With Set Screw	169.66	144.74
14 01 20 71-0096	EA	Bronze Handrail Spacers With Set Screw	172.98	144.74
14 01 20 71-0097	LF	1/2" x 2" Round Stainless Steel Elevator Handrail	111.91	34.06
14 01 20 71-0098	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	108.00	34.06
14 01 20 71-0099	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Brushed Finish	126.29	34.06
14 01 20 71-0100	LF	3/8" x 2" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	138.67	34.06
14 01 20 71-0101	LF	3/8" x 3" Flat Bar Stainless Steel Elevator Handrail, Mirror Finish	157.10	34.06
14 01 20 71-0102	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	128.59	34.06
14 01 20 71-0103	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Brushed Finish	144.86	34.06
14 01 20 71-0104	LF	3/8" x 2" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	219.51	34.06
14 01 20 71-0105	LF	3/8" x 3" Flat Bar Bronze Steel Elevator Handrail, Mirror Finish	245.33	34.06
14 01 20 71-0106	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	107.38	34.06
14 01 20 71-0107	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	108.37	34.06
14 01 20 71-0108	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Brushed Finish	135.40	34.06
14 01 20 71-0109	LF	3/8" x 1-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	127.44	34.06
14 01 20 71-0110	LF	3/8" x 2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	135.93	34.06
14 01 20 71-0111	LF	3/8" x 2-1/2" Diameter Tubular Stainless Steel Elevator Handrail, Mirror Finish	167.62	34.06
14 01 20 71-0112	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	131.47	34.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 01 20 71-0113	LF	3/8" x 2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	134.20	34.06
14 01 20 71-0114	LF	3/8" x 2-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Brushed Finish	217.57	34.06
14 01 20 71-0115	LF	3/8" x 1-1/2" Diameter Tubular Bronze Steel Elevator Handrail, Mirror Finish	146.44	34.06
14 01 20 71-0116	LF	3/8" x 2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	218.10	34.06
14 01 20 71-0117	LF	3/8" x 2-1/2" Diameter Tubular Bronze Elevator Handrail, Mirror Finish	245.33	34.06

14 01 30 Operation and Maintenance of Escalators and Moving Walks *(14 01)*

14 01 30 71 Escalators and Moving Walks Rehabilitation *(14 01 30)*

14 01 30 71-0001 Maintenance *(14 01 30 71)*

14 01 30 71-0002	EA	Regular Escalator Inspection (Sufficient For Issue Of Certificate/Permit)	652.69
14 01 30 71-0003	HR	Escalator Servicing, Labor Only	153.51
14 01 30 71-0004	EA	Acceptance Test Of Escalators And Moving Walks	3,589.81

14 01 30 71-0005 Modernization *(14 01 30 71)*

14 01 30 71-0006	EA	Removal And Replacement Of 28" Wide Escalator Stair Tread	1,671.55
14 01 30 71-0007	EA	Removal And Replacement Of 36" Wide Escalator Stair Tread	1,792.38
14 01 30 71-0008	EA	Removal And Replacement Of 48" Wide Escalator Stair Tread	1,881.49
14 01 30 71-0009	EA	Removal And Replacement Of 54" Wide Escalator Stair Tread	2,029.89
14 01 30 71-0010	LF	Removal And Replacement Of Sliding Handrail	156.48

14 20 Elevators *(14)*

Note: Excludes final electrical work or shaft walls.

14 21 Electric Traction Elevators *(14 20)*

14 21 13 Electric Traction Freight Elevators *(14 21)*

14 21 13 00-0001 Electric Traction Freight Elevators *(14 21 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings with power doors.

14 21 13 00-0002	EA	Electric Traction Freight Elevator, 4,000 LB x 200 FPM	361,784.32
		For Each Opening With Bonderized Steel Door, Add	*200.00*
		For Each Opening With Stainless Steel Doors, Add	*500.00*
		For Each Opening With Two Speed Doors, Add	*500.00*
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*
		For Stainless Steel Cab Interior, Add	*8,000.00*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*1,666.00*
		For Class "C-2" Loading, Add	*2,000.00*
		For Class "C-3" Loading, Add	*2,736.00*
		For Removal Of Existing Stop, Add	*7,213.08*
		For Each Additional Stop, Add	*32,032.70*
		For Each Floor < 6 Stops, Deduct	*-27,524.49*
		For Each Additional 50 FPM, Add	*6,000.00*
		For Removal Of Existing Elevator, Add	*36,065.41*
14 21 13 00-0003	EA	Electric Traction Freight Elevator, 5,000 LB x 200 FPM	386,681.37
		For Each Opening With Bonderized Steel Door, Add	*200.00*
		For Each Opening With Stainless Steel Doors, Add	*500.00*
		For Each Opening With Two Speed Doors, Add	*500.00*
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*
		For Stainless Steel Cab Interior, Add	*8,000.00*
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*1,666.00*
		For Class "C-2" Loading, Add	*2,000.00*
		For Class "C-3" Loading, Add	*2,736.00*
		For Removal Of Existing Stop, Add	*7,213.08*
		For Each Additional Stop, Add	*32,032.70*
		For Each Floor < 6 Stops, Deduct	*-27,524.49*
		For Each Additional 50 FPM, Add	*6,000.00*
		For Removal Of Existing Elevator, Add	*36,065.41*
14 21 13 00-0004	EA	Electric Traction Freight Elevator, 6,000 LB x 200 FPM	411,578.42
		For Elevator With Manual Door, Deduct	*-10,000.00*
		For Class "C-1" Loading, Add	*3,332.00*
		For Class "C-2" Loading, Add	*4,000.00*
		For Class "C-3" Loading, Add	*5,544.00*
		For Custom Plastic Laminated Cab Interiors, Add	*5,000.00*
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,000.00*
		For Stainless Steel Cab Interior, Add	*9,000.00*
		For Removal Of Existing Stop, Add	*7,213.08*
		For Each Additional Stop, Add	*33,032.70*
		For Each Additional 50 FPM, Add	*6,000.00*
		For Each Opening With Bonderized Steel Door, Add	*300.00*
		For Each Opening With Stainless Steel Doors, Add	*600.00*
		For Each Opening With Two Speed Doors, Add	*700.00*
		For Removal Of Existing Elevator, Add	*36,065.41*
		For Each Floor < 6 Stops, Deduct	*-28,524.49*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 13 00-0005	EA	Electric Traction Freight Elevator, 7,000 LB x 200 FPM	424,617.45	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*3,332.00*	
		For Class "C-2" Loading, Add	*4,000.00*	
		For Class "C-3" Loading, Add	*5,544.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*5,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,000.00*	
		For Stainless Steel Cab Interior, Add	*9,000.00*	
		For Removal Of Existing Stop, Add	*7,213.08*	
		For Each Additional Stop, Add	*33,032.70*	
		For Each Additional 50 FPM, Add	*6,000.00*	
		For Each Opening With Bonderized Steel Door, Add	*300.00*	
		For Each Opening With Stainless Steel Doors, Add	*600.00*	
		For Each Opening With Two Speed Doors, Add	*700.00*	
		For Removal Of Existing Elevator, Add	*36,065.41*	
		For Each Floor < 6 Stops, Deduct	*-28,524.49*	
14 21 13 00-0006	EA	Electric Traction Freight Elevator, 8,000 LB x 200 FPM	437,655.92	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*10,000.00*	
		For Class "C-1" Loading, Add	*6,666.00*	
		For Class "C-2" Loading, Add	*8,000.00*	
		For Class "C-3" Loading, Add	*10,944.00*	
		For Removal Of Existing Stop, Add	*7,213.08*	
		For Each Additional Stop, Add	*33,032.70*	
		For Each Opening With Bonderized Steel Door, Add	*400.00*	
		For Each Opening With Stainless Steel Doors, Add	*700.00*	
		For Each Opening With Two Speed Doors, Add	*800.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*6,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*8,000.00*	
		For Stainless Steel Cab Interior, Add	*10,000.00*	
		For Removal Of Existing Elevator, Add	*36,065.41*	
		For Each Floor < 6 Stops, Deduct	*-28,524.49*	
14 21 13 00-0007	EA	Electric Traction Freight Elevator, 10,000 LB x 200 FPM	453,082.43	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*10,000.00*	
		For Class "C-1" Loading, Add	*6,666.00*	
		For Class "C-2" Loading, Add	*8,000.00*	
		For Class "C-3" Loading, Add	*10,944.00*	
		For Removal Of Existing Stop, Add	*7,213.08*	
		For Each Additional Stop, Add	*33,032.70*	
		For Each Opening With Bonderized Steel Door, Add	*400.00*	
		For Each Opening With Stainless Steel Doors, Add	*700.00*	
		For Each Opening With Two Speed Doors, Add	*800.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*6,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*8,000.00*	
		For Stainless Steel Cab Interior, Add	*10,000.00*	
		For Removal Of Existing Elevator, Add	*36,065.41*	
		For Each Floor < 6 Stops, Deduct	*-28,524.49*	
14 21 13 00-0008	EA	Electric Traction Freight Elevator, 12,000 LB x 200 FPM	465,628.93	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional 50 FPM, Add	*10,000.00*	
		For Class "C-1" Loading, Add	*6,666.00*	
		For Class "C-2" Loading, Add	*8,000.00*	
		For Class "C-3" Loading, Add	*10,944.00*	
		For Removal Of Existing Stop, Add	*7,213.08*	
		For Each Additional Stop, Add	*33,032.70*	
		For Each Opening With Bonderized Steel Door, Add	*400.00*	
		For Each Opening With Stainless Steel Doors, Add	*700.00*	
		For Each Opening With Two Speed Doors, Add	*800.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*6,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*8,000.00*	
		For Stainless Steel Cab Interior, Add	*10,000.00*	
		For Removal Of Existing Elevator, Add	*36,065.41*	
		For Each Floor < 6 Stops, Deduct	*-28,524.49*	

14 21 23 Electric Traction Passenger Elevators *(14 21)*

14 21 23 13 Machine Room Electric Traction Passenger Elevators *(14 21 23)*

14 21 23 13-0001 Electric Traction Passenger Elevators *(14 21 23 13)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 6 stops (12 feet floor to floor) and 6 openings.

14 21 23 13-0002	EA	Electric Traction Passenger Elevator, 2,000 LB x 200 FPM	285,049.32	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For Each Additional Stop, Add	*32,032.70*	
		For Each Floor < 6 Stops, Deduct	*-19,016.35*	
		For Removal Of Existing Elevator, Add	*27,049.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 21 23 13-0003	EA	Electric Traction Passenger Elevator, 2,500 LB x 200 FPM	292,492.43	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For Each Additional Stop, Add	*32,032.70*	
		For Each Floor < 6 Stops, Deduct	*-19,016.35*	
		For Removal Of Existing Elevator, Add	*27,049.07*	
14 21 23 13-0004	EA	Electric Traction Passenger Elevator, 3,000 LB x 200 FPM	298,775.15	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For Each Additional Stop, Add	*32,032.70*	
		For Each Floor < 6 Stops, Deduct	*-19,016.35*	
		For Removal Of Existing Elevator, Add	*27,049.07*	
14 21 23 13-0005	EA	Electric Traction Passenger Elevator, 3,500 LB x 200 FPM	300,500.46	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For Each Additional Stop, Add	*32,032.70*	
		For Each Floor < 6 Stops, Deduct	*-19,016.35*	
		For Removal Of Existing Elevator, Add	*27,049.07*	
14 21 23 13-0006	EA	Electric Traction Passenger Elevator, 4,000 LB x 200 FPM	306,299.72	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For Each Additional Stop, Add	*32,032.70*	
		For Each Floor < 6 Stops, Deduct	*-19,016.35*	
		For Removal Of Existing Elevator, Add	*27,049.07*	
14 21 23 13-0007	EA	Electric Traction Passenger Elevator, 4,500 LB x 200 FPM	311,762.03	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For Each Additional Stop, Add	*32,032.70*	
		For Each Floor < 6 Stops, Deduct	*-19,016.35*	
		For Removal Of Existing Elevator, Add	*27,049.07*	
14 21 23 13-0008	EA	Electric Traction Passenger Elevator, 5,000 LB x 200 FPM	317,405.37	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For Each Additional Stop, Add	*32,032.70*	
		For Each Floor < 6 Stops, Deduct	*-19,016.35*	
		For Removal Of Existing Elevator, Add	*27,049.07*	

14 24 Hydraulic Elevators *(14 20)*

Note: Prices are for a complete operating elevator including all standard controls, hydraulic motor and devices based on unit with cab sized 5' by 8' with galvanized primed shaft door with cab allowances as listed below.

14 24 13 Hydraulic Freight Elevators *(14 24)*

14 24 13 00-0001 Hydraulic Freight Elevators *(14 24 13)*

Note: Painted metal shaft doors and steel painted cab. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings with power doors.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0002	EA	Hydraulic Freight Elevator, 3,000 LB x 50 FPM	170,991.32	
		For Each Additional Stop, Add	*19,409.81*	
		For 2 Stops, Deduct	*-15,155.72*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*2,000.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,666.00*	
		For Class "C-2" Loading, Add	*2,000.00*	
		For Class "C-3" Loading, Add	*2,736.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,213.08*	
14 24 13 00-0003	EA	Hydraulic Freight Elevator, 3,500 LB x 50 FPM	176,498.24	
		For Each Additional Stop, Add	*19,409.81*	
		For 2 Stops, Deduct	*-15,155.72*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*2,000.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,666.00*	
		For Class "C-2" Loading, Add	*2,000.00*	
		For Class "C-3" Loading, Add	*2,736.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,213.08*	
14 24 13 00-0004	EA	Hydraulic Freight Elevator, 4,000 LB x 50 FPM	182,476.22	
		For Each Additional Stop, Add	*19,409.81*	
		For 2 Stops, Deduct	*-15,155.72*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*2,000.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Class "C-1" Loading, Add	*1,666.00*	
		For Class "C-2" Loading, Add	*2,000.00*	
		For Class "C-3" Loading, Add	*2,736.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,213.08*	
14 24 13 00-0005	EA	Hydraulic Freight Elevator, 5,000 LB x 50 FPM	186,934.62	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Each Additional 50 FPM, Add	*2,000.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*20,409.81*	
		For 2 Stops, Deduct	*-16,155.72*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Class "C-1" Loading, Add	*3,332.00*	
		For Class "C-2" Loading, Add	*4,000.00*	
		For Class "C-3" Loading, Add	*5,544.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,213.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0006	EA	Hydraulic Freight Elevator, 6,000 LB x 50 FPM	197,654.69	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*20,409.81*	
		For 2 Stops, Deduct	*-16,155.72*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Additional 50 FPM, Add	*10,000.00*	
		For Class "C-1" Loading, Add	*6,666.00*	
		For Class "C-2" Loading, Add	*8,000.00*	
		For Class "C-3" Loading, Add	*10,944.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,213.08*	
14 24 13 00-0007	EA	Hydraulic Freight Elevator, 7,000 LB x 50 FPM	202,791.76	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*20,409.81*	
		For 2 Stops, Deduct	*-16,155.72*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Each Additional 50 FPM, Add	*10,000.00*	
		For Class "C-1" Loading, Add	*6,666.00*	
		For Class "C-2" Loading, Add	*8,000.00*	
		For Class "C-3" Loading, Add	*10,944.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,213.08*	
14 24 13 00-0008	EA	Hydraulic Freight Elevator, 8,000 LB x 50 FPM	210,603.96	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*20,409.81*	
		For 2 Stops, Deduct	*-16,155.72*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Custom Plastic Laminated Cab Interiors, Add	*5,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,000.00*	
		For Stainless Steel Cab Interior, Add	*9,000.00*	
		For Each Additional 50 FPM, Add	*11,000.00*	
		For Class "C-1" Loading, Add	*8,330.00*	
		For Class "C-2" Loading, Add	*10,000.00*	
		For Class "C-3" Loading, Add	*13,680.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,213.08*	
14 24 13 00-0009	EA	Hydraulic Freight Elevator, 10,000 LB x 50 FPM	216,174.92	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*20,409.81*	
		For 2 Stops, Deduct	*-16,155.72*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Custom Plastic Laminated Cab Interiors, Add	*5,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,000.00*	
		For Stainless Steel Cab Interior, Add	*9,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,213.08*	
		For Each Additional 50 FPM, Add	*12,000.00*	
		For Class "C-1" Loading, Add	*11,079.00*	
		For Class "C-2" Loading, Add	*13,300.00*	
		For Class "C-3" Loading, Add	*18,194.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 13 00-0010	EA	Hydraulic Freight Elevator, 12,000 LB x 50 FPM	225,836.66	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Elevator With Manual Door, Deduct	*-10,000.00*	
		For Each Additional Stop, Add	*20,409.81*	
		For 2 Stops, Deduct	*-16,155.72*	
		Note: Would be holeless hydraulic at 2 stops.		
		For Custom Plastic Laminated Cab Interiors, Add	*5,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*7,000.00*	
		For Stainless Steel Cab Interior, Add	*9,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Removal Of Existing Stop, Add	*7,213.08*	
		For Each Additional 50 FPM, Add	*12,000.00*	
		For Class "C-1" Loading, Add	*11,079.00*	
		For Class "C-2" Loading, Add	*13,300.00*	
		For Class "C-3" Loading, Add	*18,194.00*	

14 24 13 00-0011 Hydraulic Elevators Piston Drilling *(14 24 13)*

14 24 13 00-0012	VLF	Up To 6" Diameter Piston Drilling	73.93	
		Note: Includes casing.		
14 24 13 00-0013	VLF	8" To 10" Diameter Piston Drilling	87.89	
		Note: Includes casing.		

14 24 23 Hydraulic Passenger Elevators *(14 24)*

14 24 23 00-0001 Hydraulic Passenger Elevators *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminate trimmed cab, allowance of $7,500. Unit prices based on a shaft of 3 stops (15 feet floor to floor) and 3 openings.

14 24 23 00-0002	EA	Hydraulic Passenger Elevator, 2,100 LB x 100 FPM	120,775.01	
		For Each Additional Stop, Add	*19,409.81*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*18,032.70*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For 2 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0003	EA	Hydraulic Passenger Elevator, 2,500 LB x 100 FPM	123,004.21	
		For Each Additional Stop, Add	*19,409.81*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*18,032.70*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For 2 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0004	EA	Hydraulic Passenger Elevator, 3,000 LB x 100 FPM	124,536.79	
		For Each Additional Stop, Add	*19,409.81*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*18,032.70*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For 2 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
14 24 23 00-0005	EA	Hydraulic Passenger Elevator, 3,500 LB x 100 FPM	130,380.48	
		For Each Additional Stop, Add	*19,409.81*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*18,032.70*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For 2 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0006	EA	Hydraulic Passenger Elevator, 4,000 LB x 100 FPM	132,784.35	
		For Each Additional Stop, Add	*19,409.81*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*18,032.70*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For 2 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0007	EA	Hydraulic Passenger Elevator, 4,500 LB x 100 FPM	136,044.56	
		For Each Additional Stop, Add	*19,409.81*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*18,032.70*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For 2 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		
14 24 23 00-0008	EA	Hydraulic Passenger Elevator, 5,000 LB x 100 FPM	139,322.17	
		For Each Additional Stop, Add	*19,409.81*	
		For Each Opening With Bonderized Steel Door, Add	*200.00*	
		For Each Opening With Stainless Steel Doors, Add	*500.00*	
		For Each Opening With Two Speed Doors, Add	*500.00*	
		For Custom Plastic Laminated Cab Interiors, Add	*4,000.00*	
		For Custom Half Plastic Laminate And Half Stainless Steel Interior, Add	*6,000.00*	
		For Stainless Steel Cab Interior, Add	*8,000.00*	
		For Well Hole Drilling (12" Diameter Hole), Add	*170.00*	
		Note: Includes Labor and Equipment.		
		For 12" Steel Liner, Add	*90.00*	
		Note: Liner for Hydraulic Elevator Well Hole if necessary.		
		For Each Additional 50 FPM, Add	*1,000.00*	
		For Removal Of Existing Elevator, Add	*18,032.70*	
		For Removal Of Existing Stop, Add	*3,606.54*	
		For 2 Stops, Deduct	*-10,000.00*	
		Note: Would be holeless hydraulic at 2 stops.		

14 24 23 00-0009 Twin Jack Holeless Hydraulic Passenger Elevator *(14 24 23)*

Note: Baked enamel shaft doors and plastic laminated trimmed cab. Excludes flooring, shaft construction/alterations, pit or mechanical room construction. Connect to established utilities.

14 24 23 00-0010	EA	Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 3 Stops, 3 Openings	68,385.50	8,583.50
14 24 23 00-0011	EA	Hydraulic Passenger Elevator, 2,000 LB, 80 FPM, 2 Stops, 2 Openings	51,914.32	7,333.71

14 26 Limited-Use/Limited-Application Elevators *(14 20)*

14 26 00 00-0001 Small Elevators (LULA) *(14 26)*

14 26 00 00-0002	EA	Small Elevators (LULA), 1,400 LB x 30 FPM	64,083.06	
		Note: 3 phase, automatic operation, includes cab interior, telephone box and telephone. 2 stops and 12 feet of rise.		
		For Each Additional Stop, Add	*16,409.81*	
		For Removal Of Existing Elevator, Add	*5,409.81*	

14 30 Escalators and Moving Walks *(14)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 31 Escalators *(14 30)*

14 31 00 00-0001 Stainless Steel Escalator Construction *(14 31)*

Note: Prices are medians and are based on each moving stairway. Complete, includes all standard accessories and single microprocessor controlled electronic display sign packages, LED.

14 31 00 00-0002	EA	Escalators Stainless Steel, 32" Wide x 12' Floor To Floor Height	133,134.89	11,204.27
14 31 00 00-0003	EA	Escalators Stainless Steel, 32" Wide x 15' Floor To Floor Height	147,431.00	13,241.41
14 31 00 00-0004	EA	Escalators Stainless Steel, 32" Wide x 18' Floor To Floor Height	160,546.65	15,278.56
14 31 00 00-0005	EA	Escalators Stainless Steel, 32" Wide x 22' Floor To Floor Height	177,428.67	18,334.27
14 31 00 00-0006	EA	Escalators Stainless Steel, 32" Wide x 25' Floor To Floor Height	195,929.10	20,371.40
14 31 00 00-0007	EA	Escalators Stainless Steel, 36" Wide x 12' Floor To Floor Height	140,800.87	11,917.27
14 31 00 00-0008	EA	Escalators Stainless Steel, 36" Wide x 15' Floor To Floor Height	156,204.32	14,259.99
14 31 00 00-0009	EA	Escalators Stainless Steel, 36" Wide x 18' Floor To Floor Height	169,302.76	16,297.12
14 31 00 00-0010	EA	Escalators Stainless Steel, 36" Wide x 22' Floor To Floor Height	190,726.70	20,473.26
14 31 00 00-0011	EA	Escalators Stainless Steel, 36" Wide x 25' Floor To Floor Height	205,544.38	22,001.12
14 31 00 00-0012	EA	Escalators Stainless Steel, 48" Wide x 12' Floor To Floor Height	148,796.94	12,630.28
14 31 00 00-0013	EA	Escalators Stainless Steel, 48" Wide x 15' Floor To Floor Height	165,572.60	15,278.56
14 31 00 00-0014	EA	Escalators Stainless Steel, 48" Wide x 18' Floor To Floor Height	178,324.20	17,315.70
14 31 00 00-0015	EA	Escalators Stainless Steel, 48" Wide x 22' Floor To Floor Height	204,927.41	21,593.69
14 31 00 00-0016	EA	Escalators Stainless Steel, 48" Wide x 25' Floor To Floor Height	217,514.86	23,630.83
14 31 00 00-0017	EA	Escalator Fire Shutter Fusible Link	19,713.87	407.43

14 32 Moving Walks *(14 30)*

14 32 00 00-0001 Moving Sidewalks *(14 32)*

Note: Prices are medians. Includes safety rails.

14 32 00 00-0002	LF	Moving Sidewalks, 28" Wide	1,399.33	244.46
		For Each LF Of Ramp Or Sloped Sections, Add	*221.20*	
14 32 00 00-0003	LF	Moving Sidewalks, 36" Wide	1,872.58	249.55
		For Each LF Of Ramp Or Sloped Sections, Add	*314.63*	
14 32 00 00-0004	LF	Moving Sidewalks, 48" Wide	2,112.62	259.74
		For Each LF Of Ramp Or Sloped Sections, Add	*360.20*	
14 32 00 00-0005	LF	Moving Sidewalks, 54" Wide	2,429.80	281.74
		For Each LF Of Ramp Or Sloped Sections, Add	*418.35*	

14 40 Lifts *(14)*

14 42 Wheelchair Lifts *(14 40)*

14 42 13 Inclined Wheelchair Lifts *(14 42)*

14 42 13 00-0001 Chair Lift-Stair Climber *(14 42 13)*

Note: Includes landing, rails, lifting device and gates.

14 42 13 00-0002	EA	Chair Lift, Stair Climber Per Story, Single Passenger, Indoor, 300 LB Capacity Note: Includes top and bottom call button, safety chair, track, and power unit.	4,579.26	489.52

14 42 16 Vertical Wheelchair Lifts *(14 42)*

14 42 16 00-0001 Wheelchair Lift (Shorty) *(14 42 16)*

14 42 16 00-0002	EA	36" Vertical Travel Wheelchair Platform Scissor Lift Note: 1000 LB capacity. Includes handrails and manual ramp.	8,175.64	326.35
		For Accordion Safety Skirt, Add	*998.00*	
		For Removable Handrails, Add	*100.00*	
		For Power Operated Ramp, Add	*885.00*	
14 42 16 00-0003	EA	42" Vertical Travel Wheelchair Platform Scissor Lift Note: 1000 LB capacity. Includes handrails and manual ramp.	8,610.77	435.13
		For 2,000 LB Capacity, Add	*600.00*	
		For 3,000 LB Capacity, Add	*1,000.00*	
		For 4,000 LB Capacity, Add	*1,500.00*	
		For Accordion Safety Skirt, Add	*998.00*	
		For Removable Handrails, Add	*100.00*	
		For Power Operated Ramp, Add	*885.00*	
14 42 16 00-0004	EA	70" Vertical Travel Wheelchair Platform Scissor Lift Note: 1000 LB capacity. Includes handrails and manual ramp.	11,599.90	543.91
		For 2,000 LB Capacity, Add	*600.00*	
		For 3,000 LB Capacity, Add	*1,000.00*	
		For 4,000 LB Capacity, Add	*1,500.00*	
		For Accordion Safety Skirt, Add	*998.00*	
		For Removable Handrails, Add	*100.00*	
		For Power Operated Ramp, Add	*885.00*	
14 42 16 00-0005	EA	84" Vertical Travel Wheelchair Platform Scissor Lift Note: 1000 LB capacity. Includes handrails and manual ramp.	12,876.90	543.91
		For 2,000 LB Capacity, Add	*600.00*	
		For 3,000 LB Capacity, Add	*1,000.00*	
		For 4,000 LB Capacity, Add	*1,500.00*	
		For Accordion Safety Skirt, Add	*998.00*	
		For Removable Handrails, Add	*100.00*	
		For Power Operated Ramp, Add	*885.00*	
14 42 16 00-0006	EA	18' Travel Wheelchair Incline Lift Note: 500 LB capacity, interior installation.	14,811.56	543.91

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

14 90 Other Conveying Equipment *(14)*

14 91 Facility Chutes *(14 90)*

14 91 82 Trash Chutes *(14 91)*

14 91 82 00-0001 Trash Chutes *(14 91 82)*

14 91 82 00-0002	LF	18" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	24.44	3.65
		For Aluminum, Add	*1.75*	
		For Stainless Steel, Add	*6.11*	
14 91 82 00-0003	LF	24" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	31.22	3.65
		For Aluminum, Add	*2.36*	
		For Stainless Steel, Add	*8.27*	
14 91 82 00-0004	LF	30" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	34.40	4.57
		For Aluminum, Add	*2.62*	
		For Stainless Steel, Add	*9.17*	
14 91 82 00-0005	LF	36" Diameter Galvanized Trash Chute, 18 Gauge, Duct With Supports	52.06	4.57
		For Aluminum, Add	*4.32*	
		For Stainless Steel, Add	*15.11*	
14 91 82 00-0006	EA	Trash Chutes, Hopper	501.71	25.56
		For Aluminum, Add	*45.03*	
		For Stainless Steel, Add	*157.59*	
14 91 82 00-0007	EA	Trash Chutes, Skylight	257.25	50.20
		For Aluminum, Add	*15.66*	
		For Stainless Steel, Add	*54.82*	
14 91 82 00-0008	EA	Trash Chutes, Sprinkler Unit At Top	184.24	54.76
		For Aluminum, Add	*6.85*	
		For Stainless Steel, Add	*23.98*	
14 91 82 00-0009	EA	Trash Chutes, Sprinkler Unit At Intake Hopper	50.33	19.16
		For Aluminum, Add	*1.18*	
		For Stainless Steel, Add	*4.11*	
14 91 82 00-0010	EA	Refuse Type Bottom Storage Hopper Unit	434.40	68.45
		For Aluminum, Add	*28.97*	
		For Stainless Steel, Add	*101.41*	
14 91 82 00-0011	EA	Hopper Doors	991.70	63.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

21 Fire Suppression

21 01 Operation and Maintenance of Fire Suppression *(21)*

21 01 10 Operation and Maintenance of Water-Based Fire-Suppression Systems *(21 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

21 01 10 91 Water-Based Fire-Suppression Systems Restoration ***(21 01 10)***

21 01 10 91-0001 Relocate Sprinkler Head And Branch Piping *(21 01 10 91)*

Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.

21 01 10 91-0002	EA	Relocate Existing Sprinkler Head And Branch Piping Note: To adjust or swing existing sprinkler heads to different ceiling grid configuration or location.	59.01	

21 01 10 91-0003 Sprinkler Upgrades *(21 01 10 91)*

21 01 10 91-0004	LF	Purging Existing Lines Of Water	0.50	
21 01 10 91-0005	LF	Refill Existing Lines With Water	0.61	

21 01 30 Operation and Maintenance of Fire-Suppression Equipment *(21 01)*

21 01 30 91 Fire-Suppression Equipment Restoration ***(21 01 30)***

21 01 30 91-0001 Inspection And Recharge *(21 01 30 91)*

21 01 30 91-0002	EA	Inspection, CO2, Carbon Dioxide	211.42	
21 01 30 91-0003	LB	Refill/Recharge, CO2, Carbon Dioxide	1.85	
21 01 30 91-0004	EA	Inspection, Halon 1301	211.42	
21 01 30 91-0005	LB	Refill/Recharge, Halon 1301	44.49	
21 01 30 91-0006	EA	Inspection, WC, Wet Chemical	127.84	
21 01 30 91-0007	GAL	Refill/Recharge, WC, Wet Chemical	41.71	
21 01 30 91-0008	EA	Inspection, DC, Dry Chemical	127.84	
21 01 30 91-0009	LB	Refill/Recharge, DC, Dry Chemical	3.71	
21 01 30 91-0010	EA	Hydrostatic Testing, All Sizes, All Agents See CSI section 23 05 93 00-0046 for testing existing piping systems.	39.34	
21 01 30 91-0011	EA	Disarm/Arm System	68.84	

21 05 Common Work Results for Fire Suppression *(21)*

21 05 13 Common Motor Requirements for Fire-Suppression Equipment *(21 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

21 05 16 Expansion Fittings And Loops for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

21 05 17 Sleeves and Sleeve Seals for Fire-Suppression Piping *(21 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

21 05 19 Meters and Gages for Fire-Suppression Systems *(21 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

21 05 19 00-0001 Fire Sprinkler System Water Pressure Gauge *(21 05 19)*

21 05 19 00-0002	EA	2" Diameter Dial, 0-200 PSI, Water Pressure Gauge Note: For fire sprinkler systems	37.42	11.44
21 05 19 00-0003	EA	2-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	38.61	11.44
21 05 19 00-0004	EA	3" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	44.18	11.44
21 05 19 00-0005	EA	3-1/2" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	46.47	11.44
21 05 19 00-0006	EA	4" Diameter Dial, 0-300 PSI, Water Pressure Gauge Note: For fire sprinkler systems	48.76	11.44

21 05 19 00-0007 Fire Service Meter Cast Iron Housing *(21 05 19)*

21 05 19 00-0008	EA	3" Diameter, 0 - 600 GPM Fire Service Meter Flanged, With Cast Iron Housing	3,899.78	158.68
		For >10 To 25, Deduct	*-194.99*	
		For >25, Deduct	*-565.11*	
21 05 19 00-0009	EA	4" Diameter, 0 - 1,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	7,937.13	266.01
		For >10 To 25, Deduct	*-396.86*	
		For >25, Deduct	*-1,157.23*	
21 05 19 00-0010	EA	6" Diameter, 0 - 2,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	10,773.28	392.86
		For >10 To 25, Deduct	*-538.66*	
		For >25, Deduct	*-1,566.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 19 00-0011	EA	8" Diameter, 0 - 4,000 GPM Fire Service Meter Flanged, With Cast Iron Housing	14,046.05	502.00
		For >10 To 25, Deduct	*-702.30*	
		For >25, Deduct	*-2,044.55*	
21 05 19 00-0012	EA	10" Diameter, 0 - 6,200 GPM Fire Service Meter Flanged, With Cast Iron Housing	19,758.68	611.13
		For >10 To 25, Deduct	*-987.93*	
		For >25, Deduct	*-2,887.41*	

21 05 23 General-Duty Valves for Water-Based Fire-Suppression Piping

(21 05)

See CSI section 23 05 23 00-0000 for valves.

21 05 23 00-0001 Globe Valves *(21 05 23)*

21 05 23 00-0002 Threaded, 125 LB, Bronze Body, Angle Globe Valves *(21 05 23 00-0001)*

Note: Non-rising stem

21 05 23 00-0003	EA	1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	57.28	10.14
21 05 23 00-0004	EA	3/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	72.77	10.64
21 05 23 00-0005	EA	1" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	100.84	10.64
21 05 23 00-0006	EA	1-1/4" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	152.92	13.48
21 05 23 00-0007	EA	1-1/2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD	180.10	15.61
21 05 23 00-0008	EA	2" Threaded, 125 LB, Bronze Body, Angle Globe Valve (Kennedy 98SD)	213.37	18.44

21 05 23 00-0009 Butterfly Valves *(21 05 23)*

21 05 23 00-0010 Grooved End Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0011	EA	2-1/2" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	331.79	16.52
21 05 23 00-0012	EA	3" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	365.10	19.79
21 05 23 00-0013	EA	4" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	385.01	26.04
21 05 23 00-0014	EA	6" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	549.07	42.66
21 05 23 00-0015	EA	8" Butterfly Valve, Grooved, With Standard Trim (Nibco GD-4765-8N)	789.85	60.02

21 05 23 00-0016 Grooved End, Wafer Type, Ductile Iron, Gear Operated Butterfly Valves *(21 05 23 00-0009)*

21 05 23 00-0017	EA	2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	331.93	13.35
21 05 23 00-0018	EA	2-1/2" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	339.21	16.52
21 05 23 00-0019	EA	3" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	375.00	19.79
21 05 23 00-0020	EA	4" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	391.20	26.04
21 05 23 00-0021	EA	6" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	547.84	42.66
21 05 23 00-0022	EA	8" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	813.36	60.02
21 05 23 00-0023	EA	10" Butterfly Valve, Grooved, Wafer Type, With Standard Trim (Nibco WD-3510)	1,254.66	81.11

21 05 23 00-0024 Check Valves *(21 05 23)*

21 05 23 00-0025 Bronze Body, Threaded, 150 LB, Swing Check Valves *(21 05 23 00-0024)*

21 05 23 00-0026	EA	1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	208.98	10.14
21 05 23 00-0027	EA	3/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	246.41	10.64
21 05 23 00-0028	EA	1" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	337.63	10.64
21 05 23 00-0029	EA	1-1/4" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	449.93	13.48
21 05 23 00-0030	EA	1-1/2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	590.67	15.61
21 05 23 00-0031	EA	2" Swing Check Valve, Bronze, Threaded, 150 LB (Nibco T-433-Y)	864.30	18.44

21 05 23 00-0032 Flanged, Iron Body, Bronze Trim, Swing Check Valves *(21 05 23 00-0024)*

21 05 23 00-0033	EA	2-1/2" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	567.37	135.34
21 05 23 00-0034	EA	3" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	646.86	158.68
21 05 23 00-0035	EA	4" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	927.86	266.01
21 05 23 00-0036	EA	6" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	1,357.46	324.78
21 05 23 00-0037	EA	8" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	2,097.71	415.00
21 05 23 00-0038	EA	10" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	3,240.62	505.21
21 05 23 00-0039	EA	12" Flanged, Iron Body, Bronze Trim, Swing Check Valves (Kennedy 126)	4,474.85	613.47

21 05 23 00-0040 Iron Body Wafer Type Check Valve *(21 05 23 00-0024)*

21 05 23 00-0041	EA	2-1/2" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	459.77	135.43
21 05 23 00-0042	EA	3" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	531.01	158.78
21 05 23 00-0043	EA	4" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	675.49	266.18
21 05 23 00-0044	EA	6" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,070.62	373.59
21 05 23 00-0045	EA	8" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	1,507.48	429.63
21 05 23 00-0046	EA	10" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	2,149.63	46.70
21 05 23 00-0047	EA	12" Check Valve, Twin Disc, Iron Body Wafer Type (Nibco KW-900-W)	2,891.48	635.10

21 05 23 00-0048 Grooved End, Check Valves *(21 05 23 00-0024)*

21 05 23 00-0049	EA	2-1/2" Check Valve, Grooved (Victaulic FireLock® 717)	295.41	16.80
21 05 23 00-0050	EA	3" Check Valve, Grooved (Victaulic FireLock® 717)	299.95	19.89
21 05 23 00-0051	EA	4" Check Valve, Grooved (Victaulic FireLock® 717)	320.23	26.14
21 05 23 00-0052	EA	6" Check Valve, Grooved (Victaulic FireLock® 717)	939.01	42.66
21 05 23 00-0053	EA	8" Check Valve, Grooved (Victaulic FireLock® 717)	1,304.97	60.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 05 23 00-0054		Gate Valves *(21 05 23)*		
21 05 23 00-0055		Threaded, Bronze Gate Valves *(21 05 23 00-0054)*		
		Note: Class 175		
21 05 23 00-0056	EA	1" Threaded, Bronze Gate Valve (Crane 459)	655.63	12.67
21 05 23 00-0057	EA	1-1/4" Threaded, Bronze Gate Valve (Crane 459)	801.37	13.48
21 05 23 00-0058	EA	1-1/2" Threaded, Bronze Gate Valve (Crane 459)	953.65	15.61
21 05 23 00-0059	EA	2" Threaded, Bronze Gate Valve (Crane 459)	1,190.35	18.44
21 05 23 00-0060		Flanged, Cast Iron Body, Bronze Trim Gate Valves *(21 05 23 00-0054)*		
		Note: Class 175		
21 05 23 00-0061	EA	2-1/2" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	747.92	135.34
21 05 23 00-0062	EA	3" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	880.56	158.68
21 05 23 00-0063	EA	4" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,248.62	266.01
21 05 23 00-0064	EA	6" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	1,831.48	324.78
21 05 23 00-0065	EA	8" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	2,672.35	415.00
21 05 23 00-0066	EA	10" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	4,773.42	505.21
21 05 23 00-0067	EA	12" Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve (Crane 467)	6,460.24	613.47
21 05 23 00-0068		Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves *(21 05 23 00-0054)*		
		Note: Class 175		
21 05 23 00-0069	EA	2-1/2" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,243.35	135.34
21 05 23 00-0070	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,448.67	158.68
21 05 23 00-0071	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	1,765.50	266.01
21 05 23 00-0072	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	2,267.53	324.78
21 05 23 00-0073	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	3,357.29	415.00
21 05 23 00-0074	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	4,817.20	505.21
21 05 23 00-0075	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6136)	6,215.32	613.47
21 05 23 00-0076		Flanged, Resilient Wedge, Ductile Iron Body, Gate Valves *(21 05 23 00-0054)*		
		Note: Class 250. Square operating nut actuation type.		
21 05 23 00-0077	EA	3" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,181.20	158.68
21 05 23 00-0078	EA	4" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,507.42	266.01
21 05 23 00-0079	EA	6" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	1,927.79	324.78
21 05 23 00-0080	EA	8" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	2,880.53	415.00
21 05 23 00-0081	EA	10" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	4,307.60	505.21
21 05 23 00-0082	EA	12" Outside Stem And Yoke, Flanged, Resilient Wedge, Epoxy Coated, Ductile Iron Body, Gate Valve (Clow F-6100)	5,411.96	613.47
21 05 23 00-0083		Ball Valves *(21 05 23)*		
21 05 23 00-0084		Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728) *(21 05 23 00-0083)*		
21 05 23 00-0085	EA	1" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	423.29	12.67
21 05 23 00-0086	EA	1-1/4" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	461.11	13.48
21 05 23 00-0087	EA	1-1/2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	545.36	15.61
21 05 23 00-0088	EA	2" Threaded, 125 LB, Full Port, Stainless Steel Trim, Brass Body, Ball Valves (Victaulic FireLock® 728)	656.36	18.44
21 05 23 00-0089		TESTanDRAIN® Valve *(21 05 23)*		
21 05 23 00-0090	EA	1/4" 3-Way Globe Valve With 1/4" NPT Test Port (AGF 7600)	162.74	13.18
21 05 23 00-0091	EA	1" Threaded TESTanDRAIN® Valve (AGF 1000)	184.65	15.94
21 05 23 00-0092	EA	1-1/4" Threaded TESTanDRAIN® Valve (AGF 1000)	226.34	20.14
21 05 23 00-0093	EA	1-1/2" Threaded TESTanDRAIN® Valve (AGF 1000)	346.77	23.25
21 05 23 00-0094	EA	2" Threaded TESTanDRAIN® Valve (AGF 1000)	366.92	27.47
21 05 23 00-0095	EA	1" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	254.42	15.94
21 05 23 00-0096	EA	1-1/4" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	295.43	20.14
21 05 23 00-0097	EA	1-1/2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	417.96	23.25
21 05 23 00-0098	EA	2" Threaded TESTanDRAIN® Valve With Relief Valve (AGF 1011)	440.01	27.47

21 05 29 Hangers and Supports for Fire-Suppression Piping and Equipment *(21 05)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 23 05 29 00-0000 for hangers and supports.

21 05 48 Vibration and Seismic Controls for Fire-Suppresion Piping and Equipment *(21 05)*

21 05 48 13 Vibration Controls for Fire-Suppression Piping and Equipment *(21 05 48)*

See CSI section 23 05 48 13-0000 for vibration and seismic control.

21 05 53 Identification for Fire-Suppression Piping and Equipment *(21 05)*

See CSI section 23 05 53 00-0000 for identification.

21 07 Fire-Suppression Systems Insulation *(21)*

21 07 16 Fire-Suppression Equipment Insulation *(21 07)*

See CSI section 23 07 16 00-0000 for fire-suppression equipment insulation.

21 07 19 Fire-Suppression Piping Insulation *(21 07)*

See CSI section 22 07 19 00-0000 for fire-suppression piping insulation.

21 10 Water-Based Fire-Suppression Systems *(21)*

See CSI section 22 11 16 00-0368 for copper pipe, 22 11 16 00-0912 for CPVC pipe, 23 05 23 00-0064 for OS&Y gate valves, 23 21 13 23-0000 for black steel piping.

21 11 Facility Fire-Suppression Water-Service Piping *(21 10)*

21 11 19 Fire-Department Connections *(21 11)*

21 11 19 00-0001 Fire Department Connections *(21 11 19)*

21 11 19 00-0002	EA	4" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	840.10	294.83
		For Polished Chrome, Add	*49.18*	
21 11 19 00-0003	EA	6" x 2-1/2" x 2-1/2" Siamese Connection, Polished Brass	1,160.80	368.55
		For Polished Chrome, Add	*75.28*	
21 11 19 00-0004	EA	4" x 3" x 3" Siamese Connection, Polished Brass	1,209.62	294.83
		For Polished Chrome, Add	*95.35*	
21 11 19 00-0005	EA	6" x 3" x 3" Siamese Connection, Polished Brass	1,594.40	368.55
		For Polished Chrome, Add	*129.48*	
21 11 19 00-0006	EA	6" x 2-1/2" x 2-1/2" x 2-1/2" Siamese Connection, Three Way, Polished Brass	1,700.38	368.55
		For Polished Chrome, Add	*142.72*	
21 11 19 00-0007	EA	Sidewalk Type Connection With Plug And Chain, Polished Brass	1,471.30	390.06
		For Polished Chrome, Add	*110.07*	
21 11 19 00-0008	EA	Wall Type Connection With Plug And Chain, Polished Brass	951.89	294.83
		For Polished Chrome, Add	*63.16*	

21 11 19 00-0009 Wall Type Indicator Post, Wheel Operated *(21 11 19)*

See CSI section 33 14 19 00-0001 for adjustable indicator post accessory for ground valves.

21 11 19 00-0010	EA	Wall Type Indicator Post With Wall Flange For Valve (Victaulic 773)	1,323.55	266.01

21 11 19 00-0011 Upright Indicator Post, Wheel Operated *(21 11 19)*

21 11 19 00-0012	EA	Upright Indicator Post With Flange For Valve (Victaulic 774)	6,515.13	266.01

21 12 Fire-Suppression Standpipes *(21 10)*

21 12 13 Fire-Suppression Hoses and Nozzles *(21 12)*

21 12 13 00-0001 Fire Hose *(21 12 13)*

21 12 13 00-0002 Fire Hose Without Couplings *(21 12 13 00-0001)*

21 12 13 00-0003	LF	1-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.49	1.97
21 12 13 00-0004	LF	2-1/2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.88	1.97
21 12 13 00-0005	LF	2" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	2.64	1.97
21 12 13 00-0006	LF	3" Linen Fire Hose With 1-1/2" Rubber Lining Without Couplings	3.07	1.97
21 12 13 00-0007	LF	1-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	2.76	1.97
21 12 13 00-0008	LF	2-1/2" Cotton Fire Hose, 300 LB Test With 1-1/2" Rubber Lining Without Couplings	3.37	1.97
21 12 13 00-0009	LF	1-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	2.84	1.97
21 12 13 00-0010	LF	2-1/2" Cotton Fire Hose, 400 LB Test With 1-1/2" Rubber Lining Without Couplings	3.54	1.97

21 12 13 00-0011 Fire Hose With Aluminum Couplings *(21 12 13 00-0001)*

21 12 13 00-0012	LF	1-3/4" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	5.50	1.08
21 12 13 00-0013	LF	2-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	6.82	1.28
21 12 13 00-0014	LF	3-1/2" Polyester Fire Hose With Rubber Lining With Aluminum Couplings	11.26	1.28

21 12 13 00-0015 Fire Hose Accessories *(21 12 13 00-0001)*

21 12 13 00-0016	EA	Hose Coupling With 1-1/2" Pin Lug	102.22	32.45
21 12 13 00-0017	EA	Hose Coupling With 2-1/2" Pin Lug	146.27	36.38
21 12 13 00-0018	EA	1-1/2" x 10" Brass Straight Nozzle	75.18	25.57
21 12 13 00-0019	EA	2-1/2" x 12" Brass Straight Nozzle	142.77	25.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 12 13 00-0020	EA	1-1/2" Brass Fog Type Nozzle	114.35	25.57
21 12 13 00-0021	EA	2-1/2" Brass Fog Type Nozzle	161.94	25.57
21 12 13 00-0022	EA	1-1/2" Brass 100' Hose Rack	263.92	108.17
21 12 13 00-0023	EA	2-1/2" Brass 100' Hose Rack	355.60	108.17

21 12 23 Fire-Suppression Hose Valves *(21 12)*

21 12 23 00-0001 Standpipe Valves *(21 12 23)*

21 12 23 00-0002	EA	2-1/2" Fire Department Valve, Polished Brass With Plug And Chain	532.64	195.03
		For Polished Chrome, Add	*35.59*	
21 12 23 00-0003	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	813.50	194.94
		For Polished Chrome, Add	*77.72*	
21 12 23 00-0004	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,034.20	210.87
		For Polished Chrome, Add	*107.19*	
21 12 23 00-0005	EA	3" x 3" x 4" Fire Department Valve, Flush, Polished Brass	1,218.22	194.94
		For Polished Chrome, Add	*138.43*	
21 12 23 00-0006	EA	3" x 3" x 6" Fire Department Valve, Flush, Polished Brass	1,424.26	210.87
		For Polished Chrome, Add	*165.70*	
21 12 23 00-0007	EA	2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	770.48	194.94
		For Polished Chrome, Add	*71.27*	
21 12 23 00-0008	EA	2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	1,101.65	210.87
		For Polished Chrome, Add	*117.31*	
21 12 23 00-0009	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Flush, Polished Brass	1,385.17	201.25
		For Polished Chrome, Add	*129.63*	
21 12 23 00-0010	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Flush, Polished Brass	1,959.19	223.60
		For Polished Chrome, Add	*194.44*	
21 12 23 00-0011	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Fire Department Valve, Projecting, Polished Brass	1,481.95	201.25
		For Polished Chrome, Add	*141.24*	
21 12 23 00-0012	EA	2-1/2" x 2-1/2" x 2-1/2" x 6" Fire Department Valve, Projecting, Polished Brass	2,105.01	223.60
		For Polished Chrome, Add	*211.94*	
21 12 23 00-0013	EA	2-1/2" x 2-1/2" x 2-1/2" x 2-1/2" 6" Fire Department Valve, Square, Flush, Polished Brass	3,612.32	268.28
		For Polished Chrome, Add	*320.57*	

21 12 23 00-0014 Fire Hose Angle Valves *(21 12 23)*

21 12 23 00-0015	EA	1-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	164.25	26.55
21 12 23 00-0016	EA	1-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	192.98	26.55
21 12 23 00-0017	EA	1-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	182.53	26.55
21 12 23 00-0018	EA	1-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	211.26	26.55
21 12 23 00-0019	EA	2-1/2", 300 LB Rated, Cast Brass, Fire Hose Angle Valve	290.22	44.25
21 12 23 00-0020	EA	2-1/2", 300 LB Rated, Polished Brass, Fire Hose Angle Valve	332.00	44.25
21 12 23 00-0021	EA	2-1/2", 300 LB Rated, Rough Chrome Plated, Fire Hose Angle Valve	335.49	44.25
21 12 23 00-0022	EA	2-1/2", 300 LB Rated, Polished Chrome Plated, Fire Hose Angle Valve	377.27	44.25

21 12 29 Fire-Suppression Fire Hose Equipment *(21 12)*

21 12 29 00-0001 Standpipe And Fire Hose Equipment *(21 12 29)*

21 12 29 00-0002	EA	2-1/2" x 2-1/2" x 2-1/2" x 4" Manifold Roof Type, Vertical, Polished Brass	1,604.74	483.46
21 12 29 00-0003	EA	Water Motor Gong	558.40	146.70
21 12 29 00-0004	EA	Fire Riser Flow Switch (National Fire Protection Association 13)	397.42	17.07
21 12 29 00-0005	EA	Water Flow Supervisory (Tamper) Switch Mounted On Valve	174.86	29.19

21 12 29 00-0006 Water Flow Detector *(21 12 29)*

21 12 29 00-0007 Pressure-Type Wazter Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0008	EA	Pressure-Type Water Flow Detector For Up To 2-1/2" Pipe	297.42	89.83
21 12 29 00-0009	EA	Pressure-Type Water Flow Detector For >2-1/2" To 4" Pipe	428.11	119.04
21 12 29 00-0010	EA	Pressure-Type Water Flow Detector For >4" To 8" Pipe	639.34	134.75

21 12 29 00-0011 Vane-Type Water Flow Detector *(21 12 29 00-0006)*

21 12 29 00-0012	EA	Vane-Type Water Flow Detector For Up To 2-1/2" Pipe	361.13	89.83
21 12 29 00-0013	EA	Vane-Type Water Flow Detector For >2-1/2" To 4" Pipe	506.16	119.04
21 12 29 00-0014	EA	Vane-Type Water Flow Detector For >4" To 8" Pipe	763.05	134.75

21 13 Fire-Suppression Sprinkler Systems *(21 10)*

21 13 13 Wet-Pipe Sprinkler Systems *(21 13)*

21 13 13 00-0001 Complete Wet Pipe Sprinkler Systems *(21 13 13)*

Note: Includes complete design per NFPA 13, 13D or 13R and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc) from riser pipe and mains. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0002		**Light Hazard, Complete Wet-Pipe Sprinkler Systems** *(21 13 13 00-0001)*		
21 13 13 00-0003	EA	Exposed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head	375.56	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Copper Pipe, Add	*43.72*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-62.50*	
		For Up To 5, Add	*175.45*	
		For >5 To 10, Add	*112.95*	
		For >10 To 20, Add	*75.39*	
		For >20 To 40, Add	*31.39*	
		For >100 To 150, Deduct	*-37.56*	
		For >150, Deduct	*-75.11*	
21 13 13 00-0004	EA	Concealed Piping, Light Hazard, Complete Wet-Pipe Sprinkler System, Per Head	504.83	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Copper Pipe, Add	*57.15*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-82.40*	
		For Up To 5, Add	*239.07*	
		For >5 To 10, Add	*156.68*	
		For >10 To 20, Add	*106.20*	
		For >20 To 40, Add	*43.81*	
		For >100 To 150, Deduct	*-50.48*	
		For >150, Deduct	*-100.97*	
21 13 13 00-0005		**Ordinary Hazard, Complete Wet-Pipe Sprinkler Systems** *(21 13 13 00-0001)*		
21 13 13 00-0006	EA	Exposed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head	373.68	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Copper Pipe, Add	*43.59*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-62.28*	
		For Up To 5, Add	*174.39*	
		For >5 To 10, Add	*112.11*	
		For >10 To 20, Add	*74.75*	
		For >20 To 40, Add	*31.14*	
		For >100 To 150, Deduct	*-37.37*	
		For >150, Deduct	*-74.74*	
21 13 13 00-0007	EA	Concealed Piping, Ordinary Hazard, Complete Wet-Pipe Sprinkler System, Per Head	500.01	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Copper Pipe, Add	*56.68*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-81.68*	
		For Up To 5, Add	*236.66*	
		For >5 To 10, Add	*154.98*	
		For >10 To 20, Add	*104.98*	
		For >20 To 40, Add	*43.33*	
		For >100 To 150, Deduct	*-50.00*	
		For >150, Deduct	*-100.00*	
21 13 13 00-0008		**Extra Hazard, Complete Wet-Pipe Sprinkler Systems** *(21 13 13 00-0001)*		
21 13 13 00-0009	EA	Exposed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head	346.09	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Copper Pipe, Add	*40.31*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-57.61*	
		For Up To 5, Add	*161.64*	
		For >5 To 10, Add	*104.03*	
		For >10 To 20, Add	*69.42*	
		For >20 To 40, Add	*28.91*	
		For >100 To 150, Deduct	*-34.61*	
		For >150, Deduct	*-69.22*	
21 13 13 00-0010	EA	Concealed Piping, Extra Hazard, Complete Wet-Pipe Sprinkler System, Per Head	463.90	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Copper Pipe, Add	*52.51*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-75.71*	
		For Up To 5, Add	*219.70*	
		For >5 To 10, Add	*143.99*	
		For >10 To 20, Add	*97.60*	
		For >20 To 40, Add	*40.27*	
		For >100 To 150, Deduct	*-46.39*	
		For >150, Deduct	*-92.78*	
21 13 13 00-0011		**Wet Pipe Sprinkler Components** *(21 13 13)*		
		Note: Excludes hydraulic calculations.		
21 13 13 00-0012		**Wet Pipe Alarm Check Valves** *(21 13 13 00-0011)*		
		Note: Excludes trim package See CSI section 21 13 13 00-0018 for Wet Pipe Valve Trim.		
21 13 13 00-0013	EA	2-1/2" Wet Pipe Alarm Check Valve	1,251.35	123.52
21 13 13 00-0014	EA	3" Wet Pipe Alarm Check Valve	1,287.28	141.49
21 13 13 00-0015	EA	4" Wet Pipe Alarm Check Valve	1,484.93	240.32
21 13 13 00-0016	EA	6" Wet Pipe Alarm Check Valve	1,472.18	303.20
21 13 13 00-0017	EA	8" Wet Pipe Alarm Check Valve	2,544.16	384.05
21 13 13 00-0018		**Wet Pipe Valve Trim** *(21 13 13 00-0011)*		
		Note: Vertical or Horizontal, closed drain, basic galvanized trim assembly package. Includes gauges, pressure switch, relief valve, drain line, and retard chamber.		
21 13 13 00-0019	EA	2-1/2" Wet Pipe Valve Trim	1,153.49	261.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0020	EA	3" Wet Pipe Valve Trim	1,212.11	261.43
21 13 13 00-0021	EA	4" Wet Pipe Valve Trim	1,479.68	358.45
21 13 13 00-0022	EA	6" Wet Pipe Valve Trim	1,771.88	498.59
21 13 13 00-0023	EA	8" Wet Pipe Valve Trim	1,969.52	617.17

21 13 13 00-0024 Wet Pipe Sprinkler Heads *(21 13 13 00-0011)*

21 13 13 00-0025 Upright Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0026	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Brass Wet Pipe Sprinkler Head	64.54	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.44*	
		For >100 To 500, Deduct	*-9.17*	
		For >500 To 1,000, Deduct	*-19.14*	
		For >1,000, Deduct	*-27.99*	
21 13 13 00-0027	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright Chrome Wet Pipe Sprinkler Head	66.60	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.54*	
		For >100 To 500, Deduct	*-9.43*	
		For >500 To 1,000, Deduct	*-19.51*	
		For >1,000, Deduct	*-28.36*	
21 13 13 00-0028	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Upright White Polyester Coated Wet Pipe Sprinkler Head	67.92	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 500, Deduct	*-9.60*	
		For >500 To 1,000, Deduct	*-19.75*	
		For >1,000, Deduct	*-28.60*	
21 13 13 00-0029	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	65.57	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 500, Deduct	*-9.30*	
		For >500 To 1,000, Deduct	*-19.33*	
		For >1,000, Deduct	*-28.18*	
21 13 13 00-0030	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	67.72	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.60*	
		For >100 To 500, Deduct	*-9.57*	
		For >500 To 1,000, Deduct	*-19.71*	
		For >1,000, Deduct	*-28.56*	
21 13 13 00-0031	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	69.09	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.67*	
		For >100 To 500, Deduct	*-9.74*	
		For >500 To 1,000, Deduct	*-19.96*	
		For >1,000, Deduct	*-28.81*	
21 13 13 00-0032	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Brass Wet Pipe Sprinkler Head	79.10	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 500, Deduct	*-10.99*	
		For >500 To 1,000, Deduct	*-21.76*	
		For >1,000, Deduct	*-30.61*	
21 13 13 00-0033	EA	1/2" NPT Thread, 3/8" Orifice, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	84.64	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.44*	
		For >100 To 500, Deduct	*-11.69*	
		For >500 To 1,000, Deduct	*-22.76*	
		For >1,000, Deduct	*-31.61*	
21 13 13 00-0034	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Brass Wet Pipe Sprinkler Head	79.10	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 500, Deduct	*-10.99*	
		For >500 To 1,000, Deduct	*-21.76*	
		For >1,000, Deduct	*-30.61*	
21 13 13 00-0035	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	84.64	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.44*	
		For >100 To 500, Deduct	*-11.69*	
		For >500 To 1,000, Deduct	*-22.76*	
		For >1,000, Deduct	*-31.61*	
21 13 13 00-0036	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Brass Wet Pipe Sprinkler Head	71.93	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.81*	
		For >100 To 500, Deduct	*-10.10*	
		For >500 To 1,000, Deduct	*-20.47*	
		For >1,000, Deduct	*-29.32*	
21 13 13 00-0037	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	74.64	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.94*	
		For >100 To 500, Deduct	*-10.44*	
		For >500 To 1,000, Deduct	*-20.96*	
		For >1,000, Deduct	*-29.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0038	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Brass Wet Pipe Sprinkler Head	73.84	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-10.46*	
		For >500 To 1,000, Deduct	*-21.65*	
		For >1,000, Deduct	*-31.48*	
21 13 13 00-0039	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright Chrome Wet Pipe Sprinkler Head	77.00	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 500, Deduct	*-10.85*	
		For >500 To 1,000, Deduct	*-22.22*	
		For >1,000, Deduct	*-32.05*	
21 13 13 00-0040	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Upright White Polyester Coated Wet Pipe Sprinkler Head	77.64	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.34*	
		For >100 To 500, Deduct	*-10.93*	
		For >500 To 1,000, Deduct	*-22.33*	
		For >1,000, Deduct	*-32.17*	
21 13 13 00-0041	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Brass Wet Pipe Sprinkler Head	73.84	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-10.46*	
		For >500 To 1,000, Deduct	*-21.65*	
		For >1,000, Deduct	*-31.48*	
21 13 13 00-0042	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright Chrome Wet Pipe Sprinkler Head	77.00	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 500, Deduct	*-10.85*	
		For >500 To 1,000, Deduct	*-22.22*	
		For >1,000, Deduct	*-32.05*	
21 13 13 00-0043	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Upright White Polyester Coated Wet Pipe Sprinkler Head	77.64	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.34*	
		For >100 To 500, Deduct	*-10.93*	
		For >500 To 1,000, Deduct	*-22.33*	
		For >1,000, Deduct	*-32.17*	
21 13 13 00-0044	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Brass Wet Pipe Sprinkler Head	70.51	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 500, Deduct	*-9.92*	
		For >500 To 1,000, Deduct	*-20.21*	
		For >1,000, Deduct	*-29.06*	
21 13 13 00-0045	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright Chrome Wet Pipe Sprinkler Head	72.57	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.84*	
		For >100 To 500, Deduct	*-10.18*	
		For >500 To 1,000, Deduct	*-20.59*	
		For >1,000, Deduct	*-29.44*	
21 13 13 00-0046	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Upright White Polyester Coated Wet Pipe Sprinkler Head	72.97	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.86*	
		For >100 To 500, Deduct	*-10.23*	
		For >500 To 1,000, Deduct	*-20.66*	
		For >1,000, Deduct	*-29.51*	
21 13 13 00-0047	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Brass Wet Pipe Sprinkler Head	70.51	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 500, Deduct	*-9.92*	
		For >500 To 1,000, Deduct	*-20.21*	
		For >1,000, Deduct	*-29.06*	
21 13 13 00-0048	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright Chrome Wet Pipe Sprinkler Head	72.57	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.84*	
		For >100 To 500, Deduct	*-10.18*	
		For >500 To 1,000, Deduct	*-20.59*	
		For >1,000, Deduct	*-29.44*	
21 13 13 00-0049	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Upright White Polyester Coated Wet Pipe Sprinkler Head	72.97	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.86*	
		For >100 To 500, Deduct	*-10.23*	
		For >500 To 1,000, Deduct	*-20.66*	
		For >1,000, Deduct	*-29.51*	
21 13 13 00-0050	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Combustible Concealed Space, Upright Brass Wet Pipe Sprinkler Head	72.97	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.86*	
		For >100 To 500, Deduct	*-10.23*	
		For >500 To 1,000, Deduct	*-20.66*	
		For >1,000, Deduct	*-29.51*	
21 13 13 00-0051	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	96.00	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-7.26*	
		For >100 To 500, Deduct	*-13.23*	
		For >500 To 1,000, Deduct	*-25.64*	
		For >1,000, Deduct	*-35.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0052	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	98.38	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 500, Deduct	*-13.53*	
		For >500 To 1,000, Deduct	*-26.07*	
		For >1,000, Deduct	*-35.90*	
21 13 13 00-0053	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	98.38	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-7.38*	
		For >100 To 500, Deduct	*-13.53*	
		For >500 To 1,000, Deduct	*-26.07*	
		For >1,000, Deduct	*-35.90*	
21 13 13 00-0054	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Brass Wet Pipe Sprinkler Head	79.97	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.46*	
		For >100 To 500, Deduct	*-11.23*	
		For >500 To 1,000, Deduct	*-22.75*	
		For >1,000, Deduct	*-32.59*	
21 13 13 00-0055	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright Chrome Wet Pipe Sprinkler Head	81.60	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 500, Deduct	*-11.43*	
		For >500 To 1,000, Deduct	*-23.05*	
		For >1,000, Deduct	*-32.88*	
21 13 13 00-0056	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Upright White Polyester Coated Wet Pipe Sprinkler Head	81.60	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 500, Deduct	*-11.43*	
		For >500 To 1,000, Deduct	*-23.05*	
		For >1,000, Deduct	*-32.88*	
21 13 13 00-0057	EA	1/2" NPT Thread, K=5.6, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	213.55	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-12.89*	
		For >100 To 500, Deduct	*-27.80*	
		For >500 To 1,000, Deduct	*-45.96*	
		For >1,000, Deduct	*-54.81*	
21 13 13 00-0058	EA	3/4" NPT Thread, K=8.0, Quick Response, Upright Stainless Steel Wet Pipe Sprinkler Head	235.24	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-14.22*	
		For >100 To 500, Deduct	*-30.63*	
		For >500 To 1,000, Deduct	*-50.70*	
		For >1,000, Deduct	*-60.54*	
21 13 13 00-0059	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	118.38	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 500, Deduct	*-15.90*	
		For >500 To 1,000, Deduct	*-28.83*	
		For >1,000, Deduct	*-37.68*	
21 13 13 00-0060	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	143.17	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.37*	
		For >100 To 500, Deduct	*-19.00*	
		For >500 To 1,000, Deduct	*-33.29*	
		For >1,000, Deduct	*-42.14*	
21 13 13 00-0061	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Brass Wet Pipe Sprinkler Head	246.85	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-14.56*	
		For >100 To 500, Deduct	*-31.96*	
		For >500 To 1,000, Deduct	*-51.96*	
		For >1,000, Deduct	*-60.81*	
21 13 13 00-0062	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Upright Chrome Wet Pipe Sprinkler Head	311.47	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-17.79*	
		For >100 To 500, Deduct	*-40.04*	
		For >500 To 1,000, Deduct	*-63.59*	
		For >1,000, Deduct	*-72.44*	
21 13 13 00-0063	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Brass Wet Pipe Sprinkler Head	148.09	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-9.86*	
		For >100 To 500, Deduct	*-19.74*	
		For >500 To 1,000, Deduct	*-35.02*	
		For >1,000, Deduct	*-44.85*	
21 13 13 00-0064	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Upright Chrome Wet Pipe Sprinkler Head	148.84	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-9.90*	
		For >100 To 500, Deduct	*-19.83*	
		For >500 To 1,000, Deduct	*-35.15*	
		For >1,000, Deduct	*-44.98*	

21 13 13 00-0065 Conventional Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0066	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Brass Wet Pipe Sprinkler Head	64.54	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.44*	
		For >100 To 500, Deduct	*-9.17*	
		For >500 To 1,000, Deduct	*-19.14*	
		For >1,000, Deduct	*-27.99*	
21 13 13 00-0067	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional Chrome Wet Pipe Sprinkler Head	66.60	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.54*	
		For >100 To 500, Deduct	*-9.43*	
		For >500 To 1,000, Deduct	*-19.51*	
		For >1,000, Deduct	*-28.36*	
21 13 13 00-0068	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Conventional White Polyester Coated Wet Pipe Sprinkler Head	67.92	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 500, Deduct	*-9.60*	
		For >500 To 1,000, Deduct	*-19.75*	
		For >1,000, Deduct	*-28.60*	
21 13 13 00-0069	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Brass Wet Pipe Sprinkler Head	74.58	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.19*	
		For >100 To 500, Deduct	*-10.55*	
		For >500 To 1,000, Deduct	*-21.78*	
		For >1,000, Deduct	*-31.62*	
21 13 13 00-0070	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional Chrome Wet Pipe Sprinkler Head	77.00	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 500, Deduct	*-10.85*	
		For >500 To 1,000, Deduct	*-22.22*	
		For >1,000, Deduct	*-32.05*	
21 13 13 00-0071	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Conventional White Polyester Coated Wet Pipe Sprinkler Head	77.38	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.33*	
		For >100 To 500, Deduct	*-10.90*	
		For >500 To 1,000, Deduct	*-22.29*	
		For >1,000, Deduct	*-32.12*	
21 13 13 00-0072	EA	1/2" NPT Thread, K=5.6, Quick Response, Conventional Stainless Steel Wet Pipe Sprinkler Head	213.55	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-12.89*	
		For >100 To 500, Deduct	*-27.80*	
		For >500 To 1,000, Deduct	*-45.96*	
		For >1,000, Deduct	*-54.81*	

21 13 13 00-0073 Pendant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

See CSI section 21 13 13 00-0209 for escutcheon for recessed pendent sprinkler head.

21 13 13 00-0074	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head	64.54	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.44*	
		For >100 To 500, Deduct	*-9.17*	
		For >500 To 1,000, Deduct	*-19.14*	
		For >1,000, Deduct	*-27.99*	
21 13 13 00-0075	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head	66.60	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.54*	
		For >100 To 500, Deduct	*-9.43*	
		For >500 To 1,000, Deduct	*-19.51*	
		For >1,000, Deduct	*-28.36*	
21 13 13 00-0076	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head	67.92	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 500, Deduct	*-9.60*	
		For >500 To 1,000, Deduct	*-19.75*	
		For >1,000, Deduct	*-28.60*	
21 13 13 00-0077	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	73.84	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-10.46*	
		For >500 To 1,000, Deduct	*-21.65*	
		For >1,000, Deduct	*-31.48*	
21 13 13 00-0078	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	77.00	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 500, Deduct	*-10.85*	
		For >500 To 1,000, Deduct	*-22.22*	
		For >1,000, Deduct	*-32.05*	
21 13 13 00-0079	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Pendent White Polyester Coated Wet Pipe Sprinkler Head	77.64	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.34*	
		For >100 To 500, Deduct	*-10.93*	
		For >500 To 1,000, Deduct	*-22.33*	
		For >1,000, Deduct	*-32.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0080	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Brass Wet Pipe Sprinkler Head	70.51	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 500, Deduct	*-9.92*	
		For >500 To 1,000, Deduct	*-20.21*	
		For >1,000, Deduct	*-29.06*	
21 13 13 00-0081	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent Chrome Wet Pipe Sprinkler Head	72.57	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.84*	
		For >100 To 500, Deduct	*-10.18*	
		For >500 To 1,000, Deduct	*-20.59*	
		For >1,000, Deduct	*-29.44*	
21 13 13 00-0082	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Pendent White Polyester Coated Wet Pipe Sprinkler Head	72.97	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.86*	
		For >100 To 500, Deduct	*-10.23*	
		For >500 To 1,000, Deduct	*-20.66*	
		For >1,000, Deduct	*-29.51*	
21 13 13 00-0083	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head	70.51	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 500, Deduct	*-9.92*	
		For >500 To 1,000, Deduct	*-20.21*	
		For >1,000, Deduct	*-29.06*	
21 13 13 00-0084	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head	72.57	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.84*	
		For >100 To 500, Deduct	*-10.18*	
		For >500 To 1,000, Deduct	*-20.59*	
		For >1,000, Deduct	*-29.44*	
21 13 13 00-0085	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head	72.97	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.86*	
		For >100 To 500, Deduct	*-10.23*	
		For >500 To 1,000, Deduct	*-20.66*	
		For >1,000, Deduct	*-29.51*	
21 13 13 00-0086	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	70.51	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.74*	
		For >100 To 500, Deduct	*-9.92*	
		For >500 To 1,000, Deduct	*-20.21*	
		For >1,000, Deduct	*-29.06*	
21 13 13 00-0087	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	72.57	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.84*	
		For >100 To 500, Deduct	*-10.18*	
		For >500 To 1,000, Deduct	*-20.59*	
		For >1,000, Deduct	*-29.44*	
21 13 13 00-0088	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	72.97	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.86*	
		For >100 To 500, Deduct	*-10.23*	
		For >500 To 1,000, Deduct	*-20.66*	
		For >1,000, Deduct	*-29.51*	
21 13 13 00-0089	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Brass Wet Pipe Sprinkler Head, Low Lead	64.54	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.44*	
		For >100 To 500, Deduct	*-9.17*	
		For >500 To 1,000, Deduct	*-19.14*	
		For >1,000, Deduct	*-27.99*	
21 13 13 00-0090	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent Chrome Wet Pipe Sprinkler Head, Low Lead	66.60	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.54*	
		For >100 To 500, Deduct	*-9.43*	
		For >500 To 1,000, Deduct	*-19.51*	
		For >1,000, Deduct	*-28.36*	
21 13 13 00-0091	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Pendent White Polyester Coated Wet Pipe Sprinkler Head, Low Lead	67.92	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.61*	
		For >100 To 500, Deduct	*-9.60*	
		For >500 To 1,000, Deduct	*-19.75*	
		For >1,000, Deduct	*-28.60*	
21 13 13 00-0092	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	65.58	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.49*	
		For >100 To 500, Deduct	*-9.30*	
		For >500 To 1,000, Deduct	*-19.33*	
		For >1,000, Deduct	*-28.18*	
21 13 13 00-0093	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	67.04	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.56*	
		For >100 To 500, Deduct	*-9.49*	
		For >500 To 1,000, Deduct	*-19.59*	
		For >1,000, Deduct	*-28.44*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0094	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	68.37	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.63*	
		For >100 To 500, Deduct	*-9.65*	
		For >500 To 1,000, Deduct	*-19.83*	
		For >1,000, Deduct	*-28.68*	
21 13 13 00-0095	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Brass Wet Pipe Sprinkler Head	75.80	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.25*	
		For >100 To 500, Deduct	*-10.70*	
		For >500 To 1,000, Deduct	*-22.00*	
		For >1,000, Deduct	*-31.84*	
21 13 13 00-0096	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent Chrome Wet Pipe Sprinkler Head	78.48	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 500, Deduct	*-11.04*	
		For >500 To 1,000, Deduct	*-22.49*	
		For >1,000, Deduct	*-32.32*	
21 13 13 00-0097	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Pendent White Polyester Coated Wet Pipe Sprinkler Head	78.48	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.38*	
		For >100 To 500, Deduct	*-11.04*	
		For >500 To 1,000, Deduct	*-22.49*	
		For >1,000, Deduct	*-32.32*	
21 13 13 00-0098	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	71.93	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.81*	
		For >100 To 500, Deduct	*-10.10*	
		For >500 To 1,000, Deduct	*-20.47*	
		For >1,000, Deduct	*-29.32*	
21 13 13 00-0099	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	74.64	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.94*	
		For >100 To 500, Deduct	*-10.44*	
		For >500 To 1,000, Deduct	*-20.96*	
		For >1,000, Deduct	*-29.81*	
21 13 13 00-0100	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	78.69	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-10.94*	
		For >500 To 1,000, Deduct	*-21.69*	
		For >1,000, Deduct	*-30.54*	
21 13 13 00-0101	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	83.12	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.37*	
		For >100 To 500, Deduct	*-11.50*	
		For >500 To 1,000, Deduct	*-22.48*	
		For >1,000, Deduct	*-31.33*	
21 13 13 00-0102	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Brass Wet Pipe Sprinkler Head	78.69	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-10.94*	
		For >500 To 1,000, Deduct	*-21.69*	
		For >1,000, Deduct	*-30.54*	
21 13 13 00-0103	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Pendent Chrome Wet Pipe Sprinkler Head	83.12	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.37*	
		For >100 To 500, Deduct	*-11.50*	
		For >500 To 1,000, Deduct	*-22.48*	
		For >1,000, Deduct	*-31.33*	
21 13 13 00-0104	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	68.44	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.63*	
		For >100 To 500, Deduct	*-9.66*	
		For >500 To 1,000, Deduct	*-19.84*	
		For >1,000, Deduct	*-28.69*	
21 13 13 00-0105	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	70.76	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.75*	
		For >100 To 500, Deduct	*-9.95*	
		For >500 To 1,000, Deduct	*-20.26*	
		For >1,000, Deduct	*-29.11*	
21 13 13 00-0106	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	71.98	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.81*	
		For >100 To 500, Deduct	*-10.10*	
		For >500 To 1,000, Deduct	*-20.48*	
		For >1,000, Deduct	*-29.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0107	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	74.82	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.20*	
		For >100 To 500, Deduct	*-10.58*	
		For >500 To 1,000, Deduct	*-21.83*	
		For >1,000, Deduct	*-31.66*	
21 13 13 00-0108	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	77.12	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 500, Deduct	*-10.87*	
		For >500 To 1,000, Deduct	*-22.24*	
		For >1,000, Deduct	*-32.07*	
21 13 13 00-0109	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	79.34	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.43*	
		For >100 To 500, Deduct	*-11.15*	
		For >500 To 1,000, Deduct	*-22.64*	
		For >1,000, Deduct	*-32.47*	
21 13 13 00-0110	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	69.75	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.70*	
		For >100 To 500, Deduct	*-9.83*	
		For >500 To 1,000, Deduct	*-20.08*	
		For >1,000, Deduct	*-28.93*	
21 13 13 00-0111	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	72.03	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.81*	
		For >100 To 500, Deduct	*-10.11*	
		For >500 To 1,000, Deduct	*-20.49*	
		For >1,000, Deduct	*-29.34*	
21 13 13 00-0112	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	73.27	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.88*	
		For >100 To 500, Deduct	*-10.27*	
		For >500 To 1,000, Deduct	*-20.71*	
		For >1,000, Deduct	*-29.56*	
21 13 13 00-0113	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	75.80	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.25*	
		For >100 To 500, Deduct	*-10.70*	
		For >500 To 1,000, Deduct	*-22.00*	
		For >1,000, Deduct	*-31.84*	
21 13 13 00-0114	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	78.19	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.37*	
		For >100 To 500, Deduct	*-11.00*	
		For >500 To 1,000, Deduct	*-22.43*	
		For >1,000, Deduct	*-32.27*	
21 13 13 00-0115	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	80.50	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.48*	
		For >100 To 500, Deduct	*-11.29*	
		For >500 To 1,000, Deduct	*-22.85*	
		For >1,000, Deduct	*-32.68*	
21 13 13 00-0116	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent Chrome Wet Pipe Sprinkler Head	105.97	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-7.51*	
		For >100 To 500, Deduct	*-14.35*	
		For >500 To 1,000, Deduct	*-26.60*	
		For >1,000, Deduct	*-35.45*	
21 13 13 00-0117	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Pendent White Polyester Coated Wet Pipe Sprinkler Head	105.97	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-7.51*	
		For >100 To 500, Deduct	*-14.35*	
		For >500 To 1,000, Deduct	*-26.60*	
		For >1,000, Deduct	*-35.45*	
21 13 13 00-0118	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	82.35	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.58*	
		For >100 To 500, Deduct	*-11.52*	
		For >500 To 1,000, Deduct	*-23.18*	
		For >1,000, Deduct	*-33.02*	
21 13 13 00-0119	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	84.11	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.66*	
		For >100 To 500, Deduct	*-11.74*	
		For >500 To 1,000, Deduct	*-23.50*	
		For >1,000, Deduct	*-33.33*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0120	EA	3/4" NPT Thread, K=14.0, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	84.11	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.66*	
		For >100 To 500, Deduct	*-11.74*	
		For >500 To 1,000, Deduct	*-23.50*	
		For >1,000, Deduct	*-33.33*	
21 13 13 00-0121	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Brass Wet Pipe Sprinkler Head	79.97	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.46*	
		For >100 To 500, Deduct	*-11.23*	
		For >500 To 1,000, Deduct	*-22.75*	
		For >1,000, Deduct	*-32.59*	
21 13 13 00-0122	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent Chrome Wet Pipe Sprinkler Head	81.60	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 500, Deduct	*-11.43*	
		For >500 To 1,000, Deduct	*-23.05*	
		For >1,000, Deduct	*-32.88*	
21 13 13 00-0123	EA	3/4" NPT Thread, K=11.2, Extended Coverage, Pendent White Polyester Coated Wet Pipe Sprinkler Head	81.60	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.54*	
		For >100 To 500, Deduct	*-11.43*	
		For >500 To 1,000, Deduct	*-23.05*	
		For >1,000, Deduct	*-32.88*	
21 13 13 00-0124	EA	1/2" NPT Thread, K=5.6, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	213.55	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-12.89*	
		For >100 To 500, Deduct	*-27.80*	
		For >500 To 1,000, Deduct	*-45.96*	
		For >1,000, Deduct	*-54.81*	
21 13 13 00-0125	EA	3/4" NPT Thread, K=8.0, Quick Response, Pendent Stainless Steel Wet Pipe Sprinkler Head	235.24	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-14.22*	
		For >100 To 500, Deduct	*-30.63*	
		For >500 To 1,000, Deduct	*-50.70*	
		For >1,000, Deduct	*-60.54*	
21 13 13 00-0126	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	118.38	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.13*	
		For >100 To 500, Deduct	*-15.90*	
		For >500 To 1,000, Deduct	*-28.83*	
		For >1,000, Deduct	*-37.68*	
21 13 13 00-0127	EA	1/2" NPT Thread, K=5.6, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	143.17	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-9.37*	
		For >100 To 500, Deduct	*-19.00*	
		For >500 To 1,000, Deduct	*-33.29*	
		For >1,000, Deduct	*-42.14*	
21 13 13 00-0128	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Brass Wet Pipe Sprinkler Head	246.85	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-14.56*	
		For >100 To 500, Deduct	*-31.96*	
		For >500 To 1,000, Deduct	*-51.96*	
		For >1,000, Deduct	*-60.81*	
21 13 13 00-0129	EA	1/2" NPT Thread, K=5.6, High Temperature (650 Degree), Pendent Chrome Wet Pipe Sprinkler Head	311.47	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-17.79*	
		For >100 To 500, Deduct	*-40.04*	
		For >500 To 1,000, Deduct	*-63.59*	
		For >1,000, Deduct	*-72.44*	
21 13 13 00-0130	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Brass Wet Pipe Sprinkler Head	148.09	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-9.86*	
		For >100 To 500, Deduct	*-19.74*	
		For >500 To 1,000, Deduct	*-35.02*	
		For >1,000, Deduct	*-44.85*	
21 13 13 00-0131	EA	3/4" NPT Thread, K=8.0, High Temperature (400 To 500 Degree), Pendent Chrome Wet Pipe Sprinkler Head	148.84	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-9.90*	
		For >100 To 500, Deduct	*-19.83*	
		For >500 To 1,000, Deduct	*-35.15*	
		For >1,000, Deduct	*-44.98*	

21 13 13 00-0132 Sidewall Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0133 Horizontal Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0134	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	67.63	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.59*	
		For >100 To 500, Deduct	*-9.56*	
		For >500 To 1,000, Deduct	*-19.70*	
		For >1,000, Deduct	*-28.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0135	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	69.28	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.68*	
		For >100 To 500, Deduct	*-9.77*	
		For >500 To 1,000, Deduct	*-19.99*	
		For >1,000, Deduct	*-28.84*	
21 13 13 00-0136	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Horizontal Sidewall White Polyester Coated Wet Pipe Sprinkler Head	71.90	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.81*	
		For >100 To 500, Deduct	*-10.09*	
		For >500 To 1,000, Deduct	*-20.46*	
		For >1,000, Deduct	*-29.31*	
21 13 13 00-0137	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	68.56	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.64*	
		For >100 To 500, Deduct	*-9.68*	
		For >500 To 1,000, Deduct	*-19.86*	
		For >1,000, Deduct	*-28.71*	
21 13 13 00-0138	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	70.25	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.73*	
		For >100 To 500, Deduct	*-9.89*	
		For >500 To 1,000, Deduct	*-20.17*	
		For >1,000, Deduct	*-29.02*	
21 13 13 00-0139	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Horizontal Sidewall White Wet Pipe Sprinkler Head	72.91	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.86*	
		For >100 To 500, Deduct	*-10.22*	
		For >500 To 1,000, Deduct	*-20.65*	
		For >1,000, Deduct	*-29.50*	
21 13 13 00-0140	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	74.64	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.94*	
		For >100 To 500, Deduct	*-10.44*	
		For >500 To 1,000, Deduct	*-20.96*	
		For >1,000, Deduct	*-29.81*	
21 13 13 00-0141	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	77.33	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.08*	
		For >100 To 500, Deduct	*-10.77*	
		For >500 To 1,000, Deduct	*-21.44*	
		For >1,000, Deduct	*-30.29*	
21 13 13 00-0142	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	80.93	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.51*	
		For >100 To 500, Deduct	*-11.35*	
		For >500 To 1,000, Deduct	*-22.93*	
		For >1,000, Deduct	*-32.76*	
21 13 13 00-0143	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	84.96	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.71*	
		For >100 To 500, Deduct	*-11.85*	
		For >500 To 1,000, Deduct	*-23.65*	
		For >1,000, Deduct	*-33.49*	
21 13 13 00-0144	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	80.45	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.24*	
		For >100 To 500, Deduct	*-11.16*	
		For >500 To 1,000, Deduct	*-22.00*	
		For >1,000, Deduct	*-30.85*	
21 13 13 00-0145	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	83.12	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.37*	
		For >100 To 500, Deduct	*-11.50*	
		For >500 To 1,000, Deduct	*-22.48*	
		For >1,000, Deduct	*-31.33*	
21 13 13 00-0146	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	80.45	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.24*	
		For >100 To 500, Deduct	*-11.16*	
		For >500 To 1,000, Deduct	*-22.00*	
		For >1,000, Deduct	*-30.85*	
21 13 13 00-0147	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	83.12	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-6.37*	
		For >100 To 500, Deduct	*-11.50*	
		For >500 To 1,000, Deduct	*-22.48*	
		For >1,000, Deduct	*-31.33*	
21 13 13 00-0148	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	66.22	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.52*	
		For >100 To 500, Deduct	*-9.38*	
		For >500 To 1,000, Deduct	*-19.44*	
		For >1,000, Deduct	*-28.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0149	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	67.59	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.59*	
		For >100 To 500, Deduct	*-9.56*	
		For >500 To 1,000, Deduct	*-19.69*	
		For >1,000, Deduct	*-28.54*	
21 13 13 00-0150	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	69.29	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.68*	
		For >100 To 500, Deduct	*-9.77*	
		For >500 To 1,000, Deduct	*-19.99*	
		For >1,000, Deduct	*-28.84*	
21 13 13 00-0151	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	72.74	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.10*	
		For >100 To 500, Deduct	*-10.32*	
		For >500 To 1,000, Deduct	*-21.45*	
		For >1,000, Deduct	*-31.29*	
21 13 13 00-0152	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	74.21	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.17*	
		For >100 To 500, Deduct	*-10.51*	
		For >500 To 1,000, Deduct	*-21.72*	
		For >1,000, Deduct	*-31.55*	
21 13 13 00-0153	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	75.79	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.25*	
		For >100 To 500, Deduct	*-10.70*	
		For >500 To 1,000, Deduct	*-22.00*	
		For >1,000, Deduct	*-31.84*	
21 13 13 00-0154	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	73.90	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.15*	
		For >100 To 500, Deduct	*-10.47*	
		For >500 To 1,000, Deduct	*-21.66*	
		For >1,000, Deduct	*-31.49*	
21 13 13 00-0155	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	75.43	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.23*	
		For >100 To 500, Deduct	*-10.66*	
		For >500 To 1,000, Deduct	*-21.94*	
		For >1,000, Deduct	*-31.77*	
21 13 13 00-0156	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, 300 PSI Rated, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	77.07	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 500, Deduct	*-10.86*	
		For >500 To 1,000, Deduct	*-22.23*	
		For >1,000, Deduct	*-32.07*	
21 13 13 00-0157	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Brass Wet Pipe Sprinkler Head	77.10	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.31*	
		For >100 To 500, Deduct	*-10.87*	
		For >500 To 1,000, Deduct	*-22.24*	
		For >1,000, Deduct	*-32.07*	
21 13 13 00-0158	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	79.35	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.43*	
		For >100 To 500, Deduct	*-11.15*	
		For >500 To 1,000, Deduct	*-22.64*	
		For >1,000, Deduct	*-32.48*	
21 13 13 00-0159	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Horizontal Sidewall White Wet Pipe Sprinkler Head	79.35	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-6.43*	
		For >100 To 500, Deduct	*-11.15*	
		For >500 To 1,000, Deduct	*-22.64*	
		For >1,000, Deduct	*-32.48*	
21 13 13 00-0160	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	120.88	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.26*	
		For >100 To 500, Deduct	*-16.22*	
		For >500 To 1,000, Deduct	*-29.28*	
		For >1,000, Deduct	*-38.13*	
21 13 13 00-0161	EA	1/2" NPT Thread, 1/2" Orifice, Decorative Horizontal Sidewall White Wet Pipe Sprinkler Head	120.88	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-8.26*	
		For >100 To 500, Deduct	*-16.22*	
		For >500 To 1,000, Deduct	*-29.28*	
		For >1,000, Deduct	*-38.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0162	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Brass Wet Pipe Sprinkler Head	66.79	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.55*	
		For >100 To 500, Deduct	*-9.46*	
		For >500 To 1,000, Deduct	*-19.54*	
		For >1,000, Deduct	*-28.39*	
21 13 13 00-0163	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	66.79	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.55*	
		For >100 To 500, Deduct	*-9.46*	
		For >500 To 1,000, Deduct	*-19.54*	
		For >1,000, Deduct	*-28.39*	
21 13 13 00-0164	EA	1/2" NPT Thread, K=5.6, High Temperature (360 Degree), Horizontal Sidewall White Wet Pipe Sprinkler Head	66.79	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.55*	
		For >100 To 500, Deduct	*-9.46*	
		For >500 To 1,000, Deduct	*-19.54*	
		For >1,000, Deduct	*-28.39*	

21 13 13 00-0165 Vertical Sidewall Wet-Pipe Sprinkler Heads *(21 13 13 00-0132)*

21 13 13 00-0166	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Brass Wet Pipe Sprinkler Head	69.77	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.70*	
		For >100 To 500, Deduct	*-9.83*	
		For >500 To 1,000, Deduct	*-20.08*	
		For >1,000, Deduct	*-28.93*	
21 13 13 00-0167	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall Chrome Wet Pipe Sprinkler Head	71.84	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.80*	
		For >100 To 500, Deduct	*-10.09*	
		For >500 To 1,000, Deduct	*-20.45*	
		For >1,000, Deduct	*-29.30*	
21 13 13 00-0168	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Vertical Sidewall White Wet Pipe Sprinkler Head	72.72	11.06
		For >25 To 50, Deduct	*-2.21*	
		For >50 To 100, Deduct	*-5.85*	
		For >100 To 500, Deduct	*-10.20*	
		For >500 To 1,000, Deduct	*-20.61*	
		For >1,000, Deduct	*-29.46*	

21 13 13 00-0169 Concealed Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0170 Concealed Pendant Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0171	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head, Low Lead Note: Excludes coverplate	99.59	14.75
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.93*	
		For >100 To 500, Deduct	*-13.92*	
		For >500 To 1,000, Deduct	*-27.96*	
		For >1,000, Deduct	*-39.76*	
21 13 13 00-0172	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	75.36	14.75
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-6.72*	
		For >100 To 500, Deduct	*-10.90*	
		For >500 To 1,000, Deduct	*-23.59*	
		For >1,000, Deduct	*-35.39*	
21 13 13 00-0173	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	76.25	14.75
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-6.76*	
		For >100 To 500, Deduct	*-11.01*	
		For >500 To 1,000, Deduct	*-23.76*	
		For >1,000, Deduct	*-35.56*	
21 13 13 00-0174	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	93.18	15.98
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-27.64*	
		For >1,000, Deduct	*-40.42*	
21 13 13 00-0175	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	88.26	14.75
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-12.51*	
		For >500 To 1,000, Deduct	*-25.92*	
		For >1,000, Deduct	*-37.72*	
21 13 13 00-0176	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Concealed Pendent Brass Wet Pipe Sprinkler Head Note: Excludes coverplate	88.26	14.75
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-12.51*	
		For >500 To 1,000, Deduct	*-25.92*	
		For >1,000, Deduct	*-37.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0177	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	93.18	15.98
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-7.86*	
		For >100 To 500, Deduct	*-13.25*	
		For >500 To 1,000, Deduct	*-27.64*	
		For >1,000, Deduct	*-40.42*	
21 13 13 00-0178	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	82.59	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.08*	
		For >100 To 500, Deduct	*-11.80*	
		For >500 To 1,000, Deduct	*-24.90*	
		For >1,000, Deduct	*-36.70*	
21 13 13 00-0179	EA	1/2" NPT Thread, 7/16" Orifice, K=4.2, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	88.26	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-12.51*	
		For >500 To 1,000, Deduct	*-25.92*	
		For >1,000, Deduct	*-37.72*	
21 13 13 00-0180	EA	1/2" NPT Thread, 3/8" Orifice, K=2.8, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	88.26	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.36*	
		For >100 To 500, Deduct	*-12.51*	
		For >500 To 1,000, Deduct	*-25.92*	
		For >1,000, Deduct	*-37.72*	
21 13 13 00-0181	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Quick Response, Concealed Pendent Brass Wet Pipe Sprinkler Head	83.93	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.15*	
		For >100 To 500, Deduct	*-11.97*	
		For >500 To 1,000, Deduct	*-25.14*	
		For >1,000, Deduct	*-36.94*	
21 13 13 00-0182	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Adjustable Concealed Pendent Brass Wet Pipe Sprinkler Head	131.88	17.21
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-10.04*	
		For >100 To 500, Deduct	*-18.21*	
		For >500 To 1,000, Deduct	*-35.44*	
		For >1,000, Deduct	*-49.21*	
21 13 13 00-0183	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	79.77	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-6.94*	
		For >100 To 500, Deduct	*-11.45*	
		For >500 To 1,000, Deduct	*-24.39*	
		For >1,000, Deduct	*-36.19*	
21 13 13 00-0184	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	84.32	15.98
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-7.41*	
		For >100 To 500, Deduct	*-12.14*	
		For >500 To 1,000, Deduct	*-26.04*	
		For >1,000, Deduct	*-38.83*	
21 13 13 00-0185	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	80.56	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-6.98*	
		For >100 To 500, Deduct	*-11.55*	
		For >500 To 1,000, Deduct	*-24.53*	
		For >1,000, Deduct	*-36.33*	
21 13 13 00-0186	EA	3/4" NPT Thread, 17/32" Orifice, K=5.6, 300 PSI Rated, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	85.48	15.98
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-7.47*	
		For >100 To 500, Deduct	*-12.28*	
		For >500 To 1,000, Deduct	*-26.25*	
		For >1,000, Deduct	*-39.04*	
21 13 13 00-0187	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Extended Coverage, Concealed Pendent Brass Wet Pipe Sprinkler Head	93.55	15.98
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-7.87*	
		For >100 To 500, Deduct	*-13.29*	
		For >500 To 1,000, Deduct	*-27.71*	
		For >1,000, Deduct	*-40.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0188	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable Chrome Coverplate	150.27	17.21
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-10.96*	
		For >100 To 500, Deduct	*-20.50*	
		For >500 To 1,000, Deduct	*-38.75*	
		For >1,000, Deduct	*-52.52*	
21 13 13 00-0189	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Concealed Pendent Non-Ferrous Sprinkler Head With Escutcheon And Adjustable White Coverplate	150.27	17.21
		For >25 To 50, Deduct	*-3.44*	
		For >50 To 100, Deduct	*-10.96*	
		For >100 To 500, Deduct	*-20.50*	
		For >500 To 1,000, Deduct	*-38.75*	
		For >1,000, Deduct	*-52.52*	

21 13 13 00-0190 Concealed Horizontal Side Wall Wet-Pipe Sprinkler Heads *(21 13 13 00-0169)*

21 13 13 00-0191	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	106.33	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-8.27*	
		For >100 To 500, Deduct	*-14.77*	
		For >500 To 1,000, Deduct	*-29.17*	
		For >1,000, Deduct	*-40.97*	
21 13 13 00-0192	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	119.14	15.98
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-9.15*	
		For >100 To 500, Deduct	*-16.49*	
		For >500 To 1,000, Deduct	*-32.31*	
		For >1,000, Deduct	*-45.10*	
21 13 13 00-0193	EA	1/2" NPT Thread, 1/2" Orifice, K=5.6, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	86.63	14.75
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-7.28*	
		For >100 To 500, Deduct	*-12.30*	
		For >500 To 1,000, Deduct	*-25.62*	
		For >1,000, Deduct	*-37.42*	
21 13 13 00-0194	EA	3/4" NPT Thread, 17/32" Orifice, K=8.0, Quick Response, Extended Coverage, Concealed Horizontal Sidewall Brass Wet Pipe Sprinkler Head	88.55	15.98
		Note: Excludes coverplate		
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-7.62*	
		For >100 To 500, Deduct	*-12.67*	
		For >500 To 1,000, Deduct	*-26.81*	
		For >1,000, Deduct	*-39.59*	

21 13 13 00-0195 Institutional Tamper Resistant Wet Pipe Sprinkler Heads *(21 13 13 00-0024)*

21 13 13 00-0196	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	232.49	12.29
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-14.08*	
		For >100 To 500, Deduct	*-30.29*	
		For >500 To 1,000, Deduct	*-50.21*	
		For >1,000, Deduct	*-60.04*	
21 13 13 00-0197	EA	1/2" NPT Thread, K=5.6, Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	227.19	12.29
		Note: Complete assembly including escutcheon, spacers, retaining flange, and centering grommet.		
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-13.82*	
		For >100 To 500, Deduct	*-29.63*	
		For >500 To 1,000, Deduct	*-49.25*	
		For >1,000, Deduct	*-59.09*	
21 13 13 00-0198	EA	1/2" NPT Thread, K=5.6, Quick Response, Institutional Tamper Resistant, Pendant Chrome Wet Pipe Sprinkler Head	105.22	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-7.72*	
		For >100 To 500, Deduct	*-14.38*	
		For >500 To 1,000, Deduct	*-27.30*	
		For >1,000, Deduct	*-37.13*	
21 13 13 00-0199	EA	1/2" NPT Thread, K=5.6, Quick Response , Institutional Tamper Resistant, Horizontal Sidewall Chrome Wet Pipe Sprinkler Head	116.21	12.29
		For >25 To 50, Deduct	*-2.46*	
		For >50 To 100, Deduct	*-8.27*	
		For >100 To 500, Deduct	*-15.76*	
		For >500 To 1,000, Deduct	*-29.28*	
		For >1,000, Deduct	*-39.11*	

21 13 13 00-0200 Wet Pipe Sprinkler Head Accessories *(21 13 13 00-0011)*

21 13 13 00-0201 Sprinkler Adjustable Steel Drop Nipple *(21 13 13 00-0200)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0202	EA	1" Male NPT x 1/2" Female NPT x 4.125" Minimum Length To 5.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M1.150)	41.81	12.39
		For >25 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-3.12*	
		For >100 To 500, Deduct	*-5.74*	
		For >500 To 1,000, Deduct	*-11.04*	
		For >1,000, Deduct	*-15.17*	
21 13 13 00-0203	EA	1" Male NPT x 1/2" Female NPT x 6.125" Minimum Length To 9.125" Maximum Length, Adjustable Steel Drop Nipple (Anvil M3.150)	41.81	12.39
		For >25 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-3.12*	
		For >100 To 500, Deduct	*-5.74*	
		For >500 To 1,000, Deduct	*-11.04*	
		For >1,000, Deduct	*-15.17*	
21 13 13 00-0204	EA	1" Male NPT x 1/2" Female NPT x 7.875" Minimum Length To 10.875" Maximum Length, Adjustable Steel Drop Nipple (Anvil ME3.150)	42.24	12.39
		For >25 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-3.15*	
		For >100 To 500, Deduct	*-5.80*	
		For >500 To 1,000, Deduct	*-11.12*	
		For >1,000, Deduct	*-15.25*	
21 13 13 00-0205	EA	1" Female NPT x 1/2" Female NPT x 3.5" Minimum Length To 4.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F1.150)	37.79	12.39
		For >25 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.92*	
		For >100 To 500, Deduct	*-5.24*	
		For >500 To 1,000, Deduct	*-10.31*	
		For >1,000, Deduct	*-14.45*	
21 13 13 00-0206	EA	1" Female NPT x 1/2" Female NPT x 4.5" Minimum Length To 6.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F2.150)	37.79	12.39
		For >25 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.92*	
		For >100 To 500, Deduct	*-5.24*	
		For >500 To 1,000, Deduct	*-10.31*	
		For >1,000, Deduct	*-14.45*	
21 13 13 00-0207	EA	1" Female NPT x 1/2" Female NPT x 5.5" Minimum Length To 8.5" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.150)	37.79	12.39
		For >25 To 50, Deduct	*-1.03*	
		For >50 To 100, Deduct	*-2.92*	
		For >100 To 500, Deduct	*-5.24*	
		For >500 To 1,000, Deduct	*-10.31*	
		For >1,000, Deduct	*-14.45*	
21 13 13 00-0208	EA	1" Female NPT x 3/4" Female NPT x 7.35" Minimum Length To 10.35" Maximum Length, Adjustable Steel Drop Nipple (Anvil F3.175)	42.09	13.48
		For >25 To 50, Deduct	*-1.12*	
		For >50 To 100, Deduct	*-3.23*	
		For >100 To 500, Deduct	*-5.82*	
		For >500 To 1,000, Deduct	*-11.39*	
		For >1,000, Deduct	*-15.89*	

21 13 13 00-0209 Sprinkler Head Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0210	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	16.04	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 500, Deduct	*-2.19*	
		For >500 To 1,000, Deduct	*-4.14*	
		For >1,000, Deduct	*-5.61*	
21 13 13 00-0211	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	11.66	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.83*	
21 13 13 00-0212	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	11.66	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.83*	
21 13 13 00-0213	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	16.04	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.17*	
		For >100 To 500, Deduct	*-2.19*	
		For >500 To 1,000, Deduct	*-4.14*	
		For >1,000, Deduct	*-5.61*	
21 13 13 00-0214	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	11.66	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0215	EA	2-7/8" Diameter x 1-1/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	11.66	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.83*	
21 13 13 00-0216	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Recessed Escutcheon	15.25	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-4.00*	
		For >1,000, Deduct	*-5.47*	
21 13 13 00-0217	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Recessed Escutcheon	11.66	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.83*	
21 13 13 00-0218	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 1/2" NPT, White Sprinkler Head Recessed Escutcheon	11.66	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.83*	
21 13 13 00-0219	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Recessed Escutcheon	15.25	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.13*	
		For >100 To 500, Deduct	*-2.09*	
		For >500 To 1,000, Deduct	*-4.00*	
		For >1,000, Deduct	*-5.47*	
21 13 13 00-0220	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Recessed Escutcheon	11.66	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.83*	
21 13 13 00-0221	EA	2-7/8" Diameter x 7/8" Depth, Two Piece, 3/4" NPT, White Sprinkler Head Recessed Escutcheon	11.66	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-0.95*	
		For >100 To 500, Deduct	*-1.64*	
		For >500 To 1,000, Deduct	*-3.35*	
		For >1,000, Deduct	*-4.83*	
21 13 13 00-0222	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off Chrome Sprinkler Head Recessed Escutcheon	15.64	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000, Deduct	*-5.54*	
21 13 13 00-0223	EA	3-7/32" Diameter x 15/16" Depth, Two Piece, 1/2" NPT, Push-On/Thread-Off White Sprinkler Head Recessed Escutcheon	15.64	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.15*	
		For >100 To 500, Deduct	*-2.14*	
		For >500 To 1,000, Deduct	*-4.07*	
		For >1,000, Deduct	*-5.54*	
21 13 13 00-0224	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Brass Sprinkler Head Escutcheon	6.66	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 500, Deduct	*-0.96*	
		For >500 To 1,000, Deduct	*-2.03*	
		For >1,000, Deduct	*-3.02*	
21 13 13 00-0225	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	6.11	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.55*	
		For >100 To 500, Deduct	*-0.89*	
		For >500 To 1,000, Deduct	*-1.93*	
		For >1,000, Deduct	*-2.92*	
21 13 13 00-0226	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	6.26	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 500, Deduct	*-0.91*	
		For >500 To 1,000, Deduct	*-1.96*	
		For >1,000, Deduct	*-2.94*	
21 13 13 00-0227	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Brass Sprinkler Head Escutcheon	6.76	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.58*	
		For >100 To 500, Deduct	*-0.97*	
		For >500 To 1,000, Deduct	*-2.05*	
		For >1,000, Deduct	*-3.03*	
21 13 13 00-0228	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, Chrome Sprinkler Head Escutcheon	6.21	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0229	EA	2-7/8" Diameter x 11/16" Depth, One Piece, 3/4" NPT, White Sprinkler Head Escutcheon	6.21	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.93*	
21 13 13 00-0230	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Bright Brass Sprinkler Head Escutcheon	7.33	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.61*	
		For >100 To 500, Deduct	*-1.04*	
		For >500 To 1,000, Deduct	*-2.15*	
		For >1,000, Deduct	*-3.14*	
21 13 13 00-0231	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, Chrome Sprinkler Head Escutcheon	6.20	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.93*	
21 13 13 00-0232	EA	2-7/8" Diameter x 1/8" Depth, One Piece, 1/2" NPT, White Sprinkler Head Escutcheon	6.20	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.56*	
		For >100 To 500, Deduct	*-0.90*	
		For >500 To 1,000, Deduct	*-1.95*	
		For >1,000, Deduct	*-2.93*	
21 13 13 00-0233	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Brass Sprinkler Head Telescoping Escutcheon	9.94	4.54
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.41*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-4.33*	
21 13 13 00-0234	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, Chrome Sprinkler Head Telescoping Escutcheon	9.63	4.54
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 500, Deduct	*-1.38*	
		For >500 To 1,000, Deduct	*-2.90*	
		For >1,000, Deduct	*-4.28*	
21 13 13 00-0235	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 1/2" NPT, White Sprinkler Head Telescoping Escutcheon	9.74	4.54
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000, Deduct	*-4.30*	
21 13 13 00-0236	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Brass Sprinkler Head Telescoping Escutcheon	10.04	4.54
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.85*	
		For >100 To 500, Deduct	*-1.43*	
		For >500 To 1,000, Deduct	*-2.98*	
		For >1,000, Deduct	*-4.35*	
21 13 13 00-0237	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, Chrome Sprinkler Head Telescoping Escutcheon	9.74	4.54
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 500, Deduct	*-1.39*	
		For >500 To 1,000, Deduct	*-2.92*	
		For >1,000, Deduct	*-4.30*	
21 13 13 00-0238	EA	3-1/2" Diameter x 2" Minimum To 3" Maximum Depth, Two Piece, 3/4" NPT, White Sprinkler Head Telescoping Escutcheon	9.94	4.54
		For >25 To 50, Deduct	*-0.34*	
		For >50 To 100, Deduct	*-0.84*	
		For >100 To 500, Deduct	*-1.41*	
		For >500 To 1,000, Deduct	*-2.96*	
		For >1,000, Deduct	*-4.33*	
21 13 13 00-0239	EA	Flat Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	19.25	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 500, Deduct	*-2.59*	
		For >500 To 1,000, Deduct	*-4.72*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0240	EA	Flat White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	19.25	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 500, Deduct	*-2.59*	
		For >500 To 1,000, Deduct	*-4.72*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0241	EA	Conical Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	19.25	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 500, Deduct	*-2.59*	
		For >500 To 1,000, Deduct	*-4.72*	
		For >1,000, Deduct	*-6.19*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0242	EA	Conical White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	19.25	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 500, Deduct	*-2.59*	
		For >500 To 1,000, Deduct	*-4.72*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0243	EA	Chrome Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	19.25	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 500, Deduct	*-2.59*	
		For >500 To 1,000, Deduct	*-4.72*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0244	EA	White Sprinkler Head Escutcheon For Decorative Horizontal Sidewall Sprinkler Head	19.25	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.33*	
		For >100 To 500, Deduct	*-2.59*	
		For >500 To 1,000, Deduct	*-4.72*	
		For >1,000, Deduct	*-6.19*	
21 13 13 00-0245	EA	2-Piece Chrome Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	21.97	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.47*	
		For >100 To 500, Deduct	*-2.93*	
		For >500 To 1,000, Deduct	*-5.21*	
		For >1,000, Deduct	*-6.68*	
21 13 13 00-0246	EA	2-Piece White Sprinkler Head Escutcheon For Decorative Pendent Sprinkler Head	22.60	4.43
		For >25 To 50, Deduct	*-0.37*	
		For >50 To 100, Deduct	*-1.50*	
		For >100 To 500, Deduct	*-3.01*	
		For >500 To 1,000, Deduct	*-5.32*	
		For >1,000, Deduct	*-6.79*	

21 13 13 00-0247 Coverplate For Sprinkler Heads *(21 13 13 00-0200)*

21 13 13 00-0248	EA	Chrome Coverplate For Concealed Pendent Sprinkler Head	43.68	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-2.60*	
		For >100 To 500, Deduct	*-5.67*	
		For >500 To 1,000, Deduct	*-9.28*	
		For >1,000, Deduct	*-10.96*	
21 13 13 00-0249	EA	White Coverplate For Concealed Pendent Sprinkler Head	22.12	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.52*	
		For >100 To 500, Deduct	*-2.97*	
		For >500 To 1,000, Deduct	*-5.40*	
		For >1,000, Deduct	*-7.07*	
21 13 13 00-0250	EA	Specialty Coverplate For Concealed Pendent Sprinkler Head	31.47	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.99*	
		For >100 To 500, Deduct	*-4.14*	
		For >500 To 1,000, Deduct	*-7.09*	
		For >1,000, Deduct	*-8.76*	
21 13 13 00-0251	EA	Brass Coverplate For Concealed Sidewall Sprinkler Head	29.05	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 500, Deduct	*-3.84*	
		For >500 To 1,000, Deduct	*-6.65*	
		For >1,000, Deduct	*-8.32*	
21 13 13 00-0252	EA	Chrome Coverplate For Concealed Sidewall Sprinkler Head	23.55	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.60*	
		For >100 To 500, Deduct	*-3.15*	
		For >500 To 1,000, Deduct	*-5.66*	
		For >1,000, Deduct	*-7.33*	
21 13 13 00-0253	EA	White Coverplate For Concealed Sidewall Sprinkler Head	23.55	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.60*	
		For >100 To 500, Deduct	*-3.15*	
		For >500 To 1,000, Deduct	*-5.66*	
		For >1,000, Deduct	*-7.33*	
21 13 13 00-0254	EA	Off-White Coverplate For Concealed Sidewall Sprinkler Head	29.05	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 500, Deduct	*-3.84*	
		For >500 To 1,000, Deduct	*-6.65*	
		For >1,000, Deduct	*-8.32*	
21 13 13 00-0255	EA	Black Painted Coverplate For Concealed Sidewall Sprinkler Head	29.05	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 500, Deduct	*-3.84*	
		For >500 To 1,000, Deduct	*-6.65*	
		For >1,000, Deduct	*-8.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0256	EA	Black Plated Coverplate For Concealed Sidewall Sprinkler Head	33.40	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 500, Deduct	*-4.38*	
		For >500 To 1,000, Deduct	*-7.43*	
		For >1,000, Deduct	*-9.11*	
21 13 13 00-0257	EA	Bright Brass Coverplate For Concealed Sidewall Sprinkler Head	33.40	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 500, Deduct	*-4.38*	
		For >500 To 1,000, Deduct	*-7.43*	
		For >1,000, Deduct	*-9.11*	
21 13 13 00-0258	EA	Satin Chrome Coverplate For Concealed Sidewall Sprinkler Head	33.40	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-2.09*	
		For >100 To 500, Deduct	*-4.38*	
		For >500 To 1,000, Deduct	*-7.43*	
		For >1,000, Deduct	*-9.11*	
21 13 13 00-0259	EA	Specialty Coverplate For Concealed Sidewall Sprinkler Head	29.07	5.01
		For >25 To 50, Deduct	*-0.42*	
		For >50 To 100, Deduct	*-1.87*	
		For >100 To 500, Deduct	*-3.84*	
		For >500 To 1,000, Deduct	*-6.65*	
		For >1,000, Deduct	*-8.33*	
21 13 13 00-0260	EA	White Coverplate For Quick Release Concealed Sidewall Sprinkler Head	48.68	5.90
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-2.93*	
		For >100 To 500, Deduct	*-6.33*	
		For >500 To 1,000, Deduct	*-10.43*	
		For >1,000, Deduct	*-12.40*	

21 13 13 00-0261 Sprinkler Escutcheon Extension Tube *(21 13 13 00-0200)*

21 13 13 00-0262	EA	2.18" Diameter x 4" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	11.74	2.95
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.83*	
		For >100 To 500, Deduct	*-1.59*	
		For >500 To 1,000, Deduct	*-2.95*	
		For >1,000, Deduct	*-3.93*	
21 13 13 00-0263	EA	2.18" Diameter x 6" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	15.03	3.10
		For >25 To 50, Deduct	*-0.26*	
		For >50 To 100, Deduct	*-1.01*	
		For >100 To 500, Deduct	*-2.01*	
		For >500 To 1,000, Deduct	*-3.58*	
		For >1,000, Deduct	*-4.61*	
21 13 13 00-0264	EA	2.18" Diameter x 8" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	18.69	3.25
		For >25 To 50, Deduct	*-0.27*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 500, Deduct	*-2.47*	
		For >500 To 1,000, Deduct	*-4.28*	
		For >1,000, Deduct	*-5.37*	
21 13 13 00-0265	EA	2.18" Diameter x 10" Long Stainless Steel With Chrome Or White Finish, Escutcheon Extension Tube Note: For use with 2 piece escutcheons	21.98	3.39
		For >25 To 50, Deduct	*-0.28*	
		For >50 To 100, Deduct	*-1.38*	
		For >100 To 500, Deduct	*-2.89*	
		For >500 To 1,000, Deduct	*-4.92*	
		For >1,000, Deduct	*-6.05*	

21 13 13 00-0266 Sprinkler Head Guards *(21 13 13 00-0200)*

21 13 13 00-0267	EA	Universal Sprinkler Head Guard, C-1	19.10	8.85
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.69*	
		For >100 To 500, Deduct	*-2.76*	
		For >500 To 1,000, Deduct	*-5.95*	
		For >1,000, Deduct	*-8.90*	
21 13 13 00-0268	EA	Dry Pendent Sprinkler Head Guard, C-2	20.78	8.85
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.78*	
		For >100 To 500, Deduct	*-2.97*	
		For >500 To 1,000, Deduct	*-6.25*	
		For >1,000, Deduct	*-9.20*	
21 13 13 00-0269	EA	Upright Sprinkler Head Guard With Water Shield, C-3	23.65	8.85
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.92*	
		For >100 To 500, Deduct	*-3.33*	
		For >500 To 1,000, Deduct	*-6.76*	
		For >1,000, Deduct	*-9.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0270	EA	Pendent Sprinkler Head Guard With Water Shield, C-5	27.19	8.85
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-2.10*	
		For >100 To 500, Deduct	*-3.77*	
		For >500 To 1,000, Deduct	*-7.40*	
		For >1,000, Deduct	*-10.35*	
21 13 13 00-0271	EA	Universal Sprinkler Head Guard, D-1	20.72	8.85
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.77*	
		For >100 To 500, Deduct	*-2.96*	
		For >500 To 1,000, Deduct	*-6.24*	
		For >1,000, Deduct	*-9.19*	
21 13 13 00-0272	EA	Upright Sprinkler Head Guard With Water Shield, D-3	21.81	8.85
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-1.83*	
		For >100 To 500, Deduct	*-3.10*	
		For >500 To 1,000, Deduct	*-6.43*	
		For >1,000, Deduct	*-9.38*	
21 13 13 00-0273	EA	Pendent Sprinkler Head Guard With Large Water Shield, D-4	29.93	8.85
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-2.23*	
		For >100 To 500, Deduct	*-4.11*	
		For >500 To 1,000, Deduct	*-7.89*	
		For >1,000, Deduct	*-10.84*	
21 13 13 00-0274	EA	Pendent Sprinkler Head Guard With Small Water Shield, D-5	28.30	8.85
		For >25 To 50, Deduct	*-0.74*	
		For >50 To 100, Deduct	*-2.15*	
		For >100 To 500, Deduct	*-3.91*	
		For >500 To 1,000, Deduct	*-7.60*	
		For >1,000, Deduct	*-10.55*	

21 13 13 00-0275 Replacement Sprinkler Escutcheon *(21 13 13 00-0200)*

21 13 13 00-0276	EA	Push On, Brass Replacement Sprinkler Escutcheon	8.67	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.21*	
		For >500 To 1,000, Deduct	*-2.40*	
		For >1,000, Deduct	*-3.38*	
21 13 13 00-0277	EA	Push On, Chrome Replacement Sprinkler Escutcheon	8.62	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.37*	
21 13 13 00-0278	EA	Push On, White Replacement Sprinkler Escutcheon	8.62	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.37*	
21 13 13 00-0279	EA	Flush, Brass Replacement Sprinkler Escutcheon	8.62	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.37*	
21 13 13 00-0280	EA	Flush, Chrome Replacement Sprinkler Escutcheon	8.62	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.37*	
21 13 13 00-0281	EA	Flush, White Replacement Sprinkler Escutcheon	10.27	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.76*	
		For >100 To 500, Deduct	*-1.41*	
		For >500 To 1,000, Deduct	*-2.68*	
		For >1,000, Deduct	*-3.67*	
21 13 13 00-0282	EA	Deep, Brass Replacement Sprinkler Escutcheon	8.62	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.37*	
21 13 13 00-0283	EA	Deep, Chrome Replacement Sprinkler Escutcheon	8.62	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 13 00-0284	EA	Deep, White Replacement Sprinkler Escutcheon	8.62	3.25
		For >25 To 50, Deduct	*-0.25*	
		For >50 To 100, Deduct	*-0.68*	
		For >100 To 500, Deduct	*-1.20*	
		For >500 To 1,000, Deduct	*-2.39*	
		For >1,000, Deduct	*-3.37*	

21 13 13 00-0285 Pendent Shield And O-Ring Assembly *(21 13 13 00-0200)*

21 13 13 00-0286	EA	Pendent Shield And O-Ring Assembly	14.29	6.49
		For >25 To 50, Deduct	*-0.49*	
		For >50 To 100, Deduct	*-1.21*	
		For >100 To 500, Deduct	*-2.03*	
		For >500 To 1,000, Deduct	*-4.24*	
		For >1,000, Deduct	*-6.21*	

21 13 13 00-0287 Replacement Insulating Sealing Assembly *(21 13 13 00-0200)*

21 13 13 00-0288	EA	Insulating Sealing Assembly	56.30	14.75
		For >100 To 500, Deduct	*-7.78*	
		For >500 To 1,000, Deduct	*-15.15*	

21 13 13 00-0289 Flexible Sprinkler Piping *(21 13 13 00-0011)*

Note: 1" Diameter stainless steel flexible pipe with either 1/2" or 3/4" outlet.

21 13 13 00-0290	EA	2' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	57.22	15.24
		For >25 To 50, Deduct	*-1.54*	
		For >50 To 100, Deduct	*-4.40*	
		For >100 To 500, Deduct	*-7.92*	
		For >500 To 1,000, Deduct	*-15.52*	
		For >1,000, Deduct	*-21.67*	
21 13 13 00-0291	EA	3' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	62.88	15.73
		For >25 To 50, Deduct	*-1.62*	
		For >50 To 100, Deduct	*-4.76*	
		For >100 To 500, Deduct	*-8.67*	
		For >500 To 1,000, Deduct	*-16.82*	
		For >1,000, Deduct	*-23.29*	
21 13 13 00-0292	EA	4' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	68.68	16.71
		For >25 To 50, Deduct	*-1.71*	
		For >50 To 100, Deduct	*-5.14*	
		For >100 To 500, Deduct	*-9.44*	
		For >500 To 1,000, Deduct	*-18.17*	
		For >1,000, Deduct	*-24.99*	
21 13 13 00-0293	EA	5' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	74.74	17.70
		For >25 To 50, Deduct	*-1.81*	
		For >50 To 100, Deduct	*-5.55*	
		For >100 To 500, Deduct	*-10.25*	
		For >500 To 1,000, Deduct	*-19.60*	
		For >1,000, Deduct	*-26.83*	
21 13 13 00-0294	EA	6' Long Stainless Steel Flexible Sprinkler Piping Note: Includes ceiling mounting bracket.	81.02	19.67
		For >25 To 50, Deduct	*-1.92*	
		For >50 To 100, Deduct	*-5.97*	
		For >100 To 500, Deduct	*-11.09*	
		For >500 To 1,000, Deduct	*-21.12*	
		For >1,000, Deduct	*-28.80*	

21 13 13 00-0295 Sprinkler Emergency Cabinets *(21 13 13 00-0011)*

21 13 13 00-0296	EA	3 Capacity Emergency Sprinkler Cabinet, A4	86.93
21 13 13 00-0297	EA	6 Capacity Emergency Sprinkler Cabinet, A4	91.84
21 13 13 00-0298	EA	12 Capacity Emergency Sprinkler Cabinet, A4	95.13
21 13 13 00-0299	EA	12 Capacity Emergency Sprinkler Cabinet, A3	278.00
21 13 13 00-0300	EA	Sprinkler Wrench, RC1	124.89
21 13 13 00-0301	EA	Sprinkler Wrench, FC	124.41
21 13 13 00-0302	EA	Sprinkler Wrench, W2	41.31

21 13 16 Dry-Pipe Sprinkler Systems *(21 13)*

21 13 16 00-0001 Complete Dry Pipe Sprinkler Systems *(21 13 16)*

Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. For sprinkler repairs or sprinkler head replacements use specific pipe, fittings, hangers, valves, and sprinkler head components. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0002		**Light Hazard, Dry-Pipe Sprinkler Systems** *(21 13 16 00-0001)*		
21 13 16 00-0003	EA	Exposed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head	407.88	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*190.77*	
		For >5 To 10, Add	*109.82*	
		For >10 To 20, Add	*82.21*	
		For >20 To 40, Add	*34.20*	
		For >100 To 150, Deduct	*-40.79*	
		For >150, Deduct	*-81.58*	
		For Copper Pipe, Add	*47.38*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-67.77*	
21 13 16 00-0004	EA	Concealed Piping, Light Hazard, Dry-Pipe Sprinkler System, Per Head	518.10	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	*244.70*	
		For >5 To 10, Add	*145.45*	
		For >10 To 20, Add	*107.99*	
		For >20 To 40, Add	*44.63*	
		For >100 To 150, Deduct	*-51.81*	
		For >150, Deduct	*-103.62*	
		For Copper Pipe, Add	*58.99*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-84.89*	
21 13 16 00-0005		**Ordinary Hazard, Dry-Pipe Sprinkler Systems** *(21 13 16 00-0001)*		
21 13 16 00-0006	EA	Exposed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head	412.14	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*192.13*	
		For >5 To 10, Add	*109.39*	
		For >10 To 20, Add	*82.12*	
		For >20 To 40, Add	*34.24*	
		For >100 To 150, Deduct	*-41.21*	
		For >150, Deduct	*-82.43*	
		For Copper Pipe, Add	*48.19*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-68.79*	
21 13 16 00-0007	EA	Concealed Piping, Ordinary Hazard, Dry-Pipe Sprinkler System, Per Head	519.95	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	*244.99*	
		For >5 To 10, Add	*144.51*	
		For >10 To 20, Add	*107.50*	
		For >20 To 40, Add	*44.50*	
		For >100 To 150, Deduct	*-52.00*	
		For >150, Deduct	*-103.99*	
		For Copper Pipe, Add	*59.49*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-85.49*	
21 13 16 00-0008		**Extra Hazard, Dry-Pipe Sprinkler Systems** *(21 13 16 00-0001)*		
21 13 16 00-0009	EA	Exposed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head	386.24	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*179.91*	
		For >5 To 10, Add	*102.15*	
		For >10 To 20, Add	*76.74*	
		For >20 To 40, Add	*32.02*	
		For >100 To 150, Deduct	*-38.62*	
		For >150, Deduct	*-77.25*	
		For Copper Pipe, Add	*45.23*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-64.54*	
21 13 16 00-0010	EA	Concealed Piping, Extra Hazard, Dry-Pipe Sprinkler System, Per Head	484.07	
		Note: Includes branch pipe and fittings, supports and sprinkler heads with flat or conical escutcheon.		
		For Up To 5, Add	*228.10*	
		For >5 To 10, Add	*134.57*	
		For >10 To 20, Add	*100.11*	
		For >20 To 40, Add	*41.44*	
		For >100 To 150, Deduct	*-48.41*	
		For >150, Deduct	*-96.81*	
		For Copper Pipe, Add	*55.38*	
		For Polyvinyl Chloride (PVC) Pipe, Deduct	*-79.58*	
21 13 16 00-0011		**Dry-Pipe Sprinkler System Equipment** *(21 13 16 00-0001)*		
21 13 16 00-0012	EA	Dry System Air Compressor, 3/4 HP With Alarm Valve Flange With Gauge	1,899.71	281.11
21 13 16 00-0013	EA	Dry System Air Compressor, 1 HP With Alarm Valve Flange With Gauge	1,979.57	281.11
21 13 16 00-0014	EA	Dry System Air Compressor, 1-1/2 HP With Alarm Valve Flange With Gauge	2,046.95	281.11
21 13 16 00-0015	EA	Dry System Air Compressor, 2 HP With Alarm Valve Flange With Gauge	2,308.97	281.11
21 13 16 00-0016		**Dry Pipe Sprinkler System Components** *(21 13 16)*		
		Note: Excludes hydraulic calculations.		
21 13 16 00-0017		**Dry Pipe Valves** *(21 13 16 00-0016)*		
		Note: Excludes trim package See CSI section 21 13 16 00-0022 for Dry Pipe Valve Trim.		
21 13 16 00-0018	EA	2-1/2" Dry Pipe Valve	2,557.55	123.52
21 13 16 00-0019	EA	3" Dry Pipe Valve	2,849.34	141.49
21 13 16 00-0020	EA	4" Dry Pipe Valve	3,216.16	240.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0021	EA	6" Dry Pipe Valve	4,077.81	303.20

21 13 16 00-0022 Dry Pipe Valve Trim *(21 13 16 00-0016)*

Note: Includes gauges, pressure switch, air supply and drain lines.

21 13 16 00-0023	EA	2-1/2" Dry Pipe Valve Trim	1,320.37	261.43
21 13 16 00-0024	EA	3" Dry Pipe Valve Trim	1,320.37	261.43
21 13 16 00-0025	EA	4" Dry Pipe Valve Trim	1,546.67	358.45
21 13 16 00-0026	EA	6" Dry Pipe Valve Trim	1,780.25	498.59

21 13 16 00-0027 Recessed Pendent Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0028	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	174.05	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-11.65*	
		For >100 To 500, Deduct	*-23.23*	
		For >500 To 1,000, Deduct	*-41.36*	
		For >1,000, Deduct	*-53.16*	
21 13 16 00-0029	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	180.68	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-11.98*	
		For >100 To 500, Deduct	*-24.06*	
		For >500 To 1,000, Deduct	*-42.55*	
		For >1,000, Deduct	*-54.35*	
21 13 16 00-0030	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	187.31	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-12.32*	
		For >100 To 500, Deduct	*-24.89*	
		For >500 To 1,000, Deduct	*-43.75*	
		For >1,000, Deduct	*-55.55*	
21 13 16 00-0031	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	193.96	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-12.65*	
		For >100 To 500, Deduct	*-25.72*	
		For >500 To 1,000, Deduct	*-44.94*	
		For >1,000, Deduct	*-56.74*	
21 13 16 00-0032	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	200.59	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-12.98*	
		For >100 To 500, Deduct	*-26.55*	
		For >500 To 1,000, Deduct	*-46.14*	
		For >1,000, Deduct	*-57.94*	
21 13 16 00-0033	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	207.22	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-13.31*	
		For >100 To 500, Deduct	*-27.38*	
		For >500 To 1,000, Deduct	*-47.33*	
		For >1,000, Deduct	*-59.13*	
21 13 16 00-0034	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	213.85	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-13.64*	
		For >100 To 500, Deduct	*-28.21*	
		For >500 To 1,000, Deduct	*-48.52*	
		For >1,000, Deduct	*-60.32*	
21 13 16 00-0035	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	220.49	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-13.97*	
		For >100 To 500, Deduct	*-29.04*	
		For >500 To 1,000, Deduct	*-49.72*	
		For >1,000, Deduct	*-61.52*	
21 13 16 00-0036	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	227.11	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-14.31*	
		For >100 To 500, Deduct	*-29.86*	
		For >500 To 1,000, Deduct	*-50.91*	
		For >1,000, Deduct	*-62.71*	
21 13 16 00-0037	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	233.75	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-14.64*	
		For >100 To 500, Deduct	*-30.69*	
		For >500 To 1,000, Deduct	*-52.11*	
		For >1,000, Deduct	*-63.91*	
21 13 16 00-0038	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	240.39	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-14.97*	
		For >100 To 500, Deduct	*-31.52*	
		For >500 To 1,000, Deduct	*-53.30*	
		For >1,000, Deduct	*-65.10*	
21 13 16 00-0039	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	247.02	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-15.30*	
		For >100 To 500, Deduct	*-32.35*	
		For >500 To 1,000, Deduct	*-54.49*	
		For >1,000, Deduct	*-66.29*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0040	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	253.67	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-15.63*	
		For >100 To 500, Deduct	*-33.18*	
		For >500 To 1,000, Deduct	*-55.69*	
		For >1,000, Deduct	*-67.49*	
21 13 16 00-0041	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	260.29	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-15.96*	
		For >100 To 500, Deduct	*-34.01*	
		For >500 To 1,000, Deduct	*-56.88*	
		For >1,000, Deduct	*-68.68*	
21 13 16 00-0042	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Recessed Pendent Dry Pipe Sprinkler Head	266.93	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-16.30*	
		For >100 To 500, Deduct	*-34.84*	
		For >500 To 1,000, Deduct	*-58.08*	
		For >1,000, Deduct	*-69.88*	

21 13 16 00-0043 Sidewall Dry Pipe Sprinkler Heads, Quick Response *(21 13 16 00-0016)*

21 13 16 00-0044	EA	3-1/2" To 5-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	172.45	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-11.57*	
		For >100 To 500, Deduct	*-23.03*	
		For >500 To 1,000, Deduct	*-41.07*	
		For >1,000, Deduct	*-52.87*	
21 13 16 00-0045	EA	6" To 8-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	179.09	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-11.90*	
		For >100 To 500, Deduct	*-23.86*	
		For >500 To 1,000, Deduct	*-42.27*	
		For >1,000, Deduct	*-54.07*	
21 13 16 00-0046	EA	9" To 11-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	185.74	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-12.24*	
		For >100 To 500, Deduct	*-24.69*	
		For >500 To 1,000, Deduct	*-43.46*	
		For >1,000, Deduct	*-55.26*	
21 13 16 00-0047	EA	12" To 14-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	192.35	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-12.57*	
		For >100 To 500, Deduct	*-25.52*	
		For >500 To 1,000, Deduct	*-44.65*	
		For >1,000, Deduct	*-56.45*	
21 13 16 00-0048	EA	15" To 17-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	198.99	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-12.90*	
		For >100 To 500, Deduct	*-26.35*	
		For >500 To 1,000, Deduct	*-45.85*	
		For >1,000, Deduct	*-57.65*	
21 13 16 00-0049	EA	18" To 20-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	205.62	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-13.23*	
		For >100 To 500, Deduct	*-27.18*	
		For >500 To 1,000, Deduct	*-47.04*	
		For >1,000, Deduct	*-58.84*	
21 13 16 00-0050	EA	21" To 23-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	212.27	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-13.56*	
		For >100 To 500, Deduct	*-28.01*	
		For >500 To 1,000, Deduct	*-48.24*	
		For >1,000, Deduct	*-60.04*	
21 13 16 00-0051	EA	24" To 26-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	218.90	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-13.90*	
		For >100 To 500, Deduct	*-28.84*	
		For >500 To 1,000, Deduct	*-49.43*	
		For >1,000, Deduct	*-61.23*	
21 13 16 00-0052	EA	27" To 29-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	225.52	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-14.23*	
		For >100 To 500, Deduct	*-29.67*	
		For >500 To 1,000, Deduct	*-50.62*	
		For >1,000, Deduct	*-62.42*	
21 13 16 00-0053	EA	30" To 32-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	232.15	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-14.56*	
		For >100 To 500, Deduct	*-30.49*	
		For >500 To 1,000, Deduct	*-51.82*	
		For >1,000, Deduct	*-63.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 16 00-0054	EA	33" To 35-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	238.79	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-14.89*	
		For >100 To 500, Deduct	*-31.32*	
		For >500 To 1,000, Deduct	*-53.01*	
		For >1,000, Deduct	*-64.81*	
21 13 16 00-0055	EA	36" To 38-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	245.43	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-15.22*	
		For >100 To 500, Deduct	*-32.15*	
		For >500 To 1,000, Deduct	*-54.21*	
		For >1,000, Deduct	*-66.01*	
21 13 16 00-0056	EA	39" To 41-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	265.34	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-16.22*	
		For >100 To 500, Deduct	*-34.64*	
		For >500 To 1,000, Deduct	*-57.79*	
		For >1,000, Deduct	*-69.59*	
21 13 16 00-0057	EA	42" To 44-3/4" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	271.97	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-16.55*	
		For >100 To 500, Deduct	*-35.47*	
		For >500 To 1,000, Deduct	*-58.98*	
		For >1,000, Deduct	*-70.78*	
21 13 16 00-0058	EA	45" To 48" Length, 1/2" Orifice, 1" NPT Thread Chrome Sidewall Dry Pipe Sprinkler Head	274.62	19.47
		For >25 To 50, Deduct	*-2.95*	
		For >50 To 100, Deduct	*-16.68*	
		For >100 To 500, Deduct	*-35.80*	
		For >500 To 1,000, Deduct	*-59.46*	
		For >1,000, Deduct	*-71.26*	

21 13 16 00-0059 Pendent Dry Pipe Sprinkler Head, Early Suppression, Fast Response *(21 13 16 00-0016)*

21 13 16 00-0060	EA	23" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	739.60	19.47
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-40.18*	
		For >100 To 500, Deduct	*-94.05*	
		For >500 To 1,000, Deduct	*-143.99*	
		For >1,000, Deduct	*-156.78*	
21 13 16 00-0061	EA	30" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	739.60	19.47
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-40.18*	
		For >100 To 500, Deduct	*-94.05*	
		For >500 To 1,000, Deduct	*-143.99*	
		For >1,000, Deduct	*-156.78*	
21 13 16 00-0062	EA	36" Length, 1-1/4" NPT Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	739.60	19.47
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-40.18*	
		For >100 To 500, Deduct	*-94.05*	
		For >500 To 1,000, Deduct	*-143.99*	
		For >1,000, Deduct	*-156.78*	
21 13 16 00-0063	EA	36" Length, 1-1/4" ISO Thread, K=16.8, Early Suppression, Fast Response, Brass Pendent Dry Pipe Sprinkler Head	739.60	19.47
		For >25 To 50, Deduct	*-3.20*	
		For >50 To 100, Deduct	*-40.18*	
		For >100 To 500, Deduct	*-94.05*	
		For >500 To 1,000, Deduct	*-143.99*	
		For >1,000, Deduct	*-156.78*	

21 13 19 Preaction Sprinkler Systems *(21 13)*

21 13 19 00-0001 Complete Preaction Sprinkler Systems *(21 13 19)*

Note: Includes complete design per NFPA 13 and stamped shop drawings approved by a registered engineer. Includes all branch line piping (standard weight black steel, less than 2-1/2" diameter pipe, fittings, branch valves, hangers, sprinkler heads, etc. From riser pipe and mains. Excludes outside mains, inside vertical or horizontal pipe mains, greater than 2" diameter. The coverage of one sprinkler head varies from about 180 SF for light hazard occupancy, about 155 SF for ordinary, 90 to about 130 SF for extra hazard conditions. Excludes special alarm valves, gate valves, check valves, flow control devices, water motor gong assembly, Siamese connections, standpipes and fittings, pipe mains and fittings, fire pumps and tanks. See CSI section 23 21 13 23-1396 for individual grooved pipe, 23 21 13 23-1469 for individual grooved pipe fittings.

21 13 19 00-0002 Ordinary Hazard, Preaction Sprinkler Systems *(21 13 19 00-0001)*

21 13 19 00-0003	EA	Exposed Piping, Ordinary Hazard, Preaction Sprinkler System, Per Head Note: Includes branch pipe and fittings, supports and sprinkler heads.	392.70	
		For Up To 5, Add	*184.35*	
		For >5 To 10, Add	*119.44*	
		For >10 To 20, Add	*80.17*	
		For >20 To 40, Add	*33.27*	
		For >100 To 150, Deduct	*-39.27*	
		For >150, Deduct	*-78.54*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 19 00-0004		Extra Hazard, Preaction Sprinkler Systems *(21 13 19 00-0001)*		
21 13 19 00-0005	EA	Exposed Piping, Extra Hazard, Preaction Sprinkler System, Per Head	365.68	
		Note: Includes branch pipe and fittings, supports and sprinkler heads.		
		For Up To 5, Add	*171.68*	
		For >5 To 10, Add	*111.25*	
		For >10 To 20, Add	*74.68*	
		For >20 To 40, Add	*30.99*	
		For >100 To 150, Deduct	*-36.57*	
		For >150, Deduct	*-73.14*	
21 13 26		**Deluge Fire-Suppression Sprinkler Systems** *(21 13)*		
21 13 26 00-0001		Deluge Fire-Suppression Sprinkler Systems Equipment *(21 13 26)*		
21 13 26 00-0002		Deluge Valves With Required Trim And Release Equipment *(21 13 26 00-0001)*		
21 13 26 00-0003	EA	3" Deluge Valve With Trim And Release Equipment	5,614.32	546.36
21 13 26 00-0004	EA	4" Deluge Valve With Trim And Release Equipment	6,434.82	614.61
21 13 26 00-0005	EA	6" Deluge Valve With Trim And Release Equipment	8,010.33	893.99
21 13 39		**Foam-Water Systems** *(21 13)*		
21 13 39 00-0001		Foam Control Valves And Monitors *(21 13 39)*		
21 13 39 00-0002		Control Valves *(21 13 39 00-0001)*		
21 13 39 00-0003	EA	3" Foam Control Valve	2,733.25	546.36
21 13 39 00-0004		Supply Valves *(21 13 39 00-0001)*		
21 13 39 00-0005	EA	2-1/2" Foam Supply Valve	2,505.24	614.61
21 13 39 00-0006		Proportioners *(21 13 39 00-0001)*		
21 13 39 00-0007	EA	8" Foam Proportioner	2,195.88	893.99
21 13 39 00-0008		Monitors *(21 13 39 00-0001)*		
21 13 39 00-0009	EA	Oscillating Foam Monitor	2,689.37	122.92
21 13 41		**Fire-Suppression Sprinkler Piping** *(21 13)*		
		See CSI section 23 21 13 23-0001 for threaded black steel piping, 23 21 13 23-0374 for welded black steel piping, 23 21 13 23-0798 for flanged black steel pipe fittings, 23 21 13 23-1396 for grooved pipe, 23 21 13 23-1469 for grooved pipe fittings, 33 14 13 13-0001 for ductile iron pipe and fittings.		
21 13 41 00-0001		Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41)*		
		Note: SDR 13.5		
21 13 41 00-0002		Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe *(21 13 41 00-0001)*		
21 13 41 00-0003	LF	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	5.18	1.57
21 13 41 00-0004	LF	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	6.15	1.67
21 13 41 00-0005	LF	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	7.64	1.87
21 13 41 00-0006	LF	1-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	9.28	2.07
21 13 41 00-0007	LF	2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	11.82	2.26
21 13 41 00-0008	LF	2-1/2" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	16.02	2.56
21 13 41 00-0009	LF	3" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Fire Sprinkler Pipe	22.20	3.05
21 13 41 00-0010		Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0011	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	25.23	9.44
21 13 41 00-0012	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	33.14	11.80
21 13 41 00-0013	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	41.45	14.75
21 13 41 00-0014	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	47.24	16.32
21 13 41 00-0015	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	53.52	18.29
21 13 41 00-0016	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	67.07	20.75
21 13 41 00-0017	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow, Fire Sprinkler Piping	81.97	24.58
21 13 41 00-0018		Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows, Fire Sprinkler Piping *(21 13 41 00-0001)*		
21 13 41 00-0019	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	25.80	9.44
21 13 41 00-0020	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	32.22	11.80
21 13 41 00-0021	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	40.76	14.75
21 13 41 00-0022	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	46.13	16.32
21 13 41 00-0023	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	52.13	18.29
21 13 41 00-0024	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	63.59	20.75
21 13 41 00-0025	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow, Fire Sprinkler Piping	78.14	24.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 13 41 00-0026		**Chlorinated Polyvinyl Chloride (CPVC) Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0027	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	37.60	14.16
21 13 41 00-0028	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	48.80	17.80
21 13 41 00-0029	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	62.01	22.22
21 13 41 00-0030	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	71.00	24.58
21 13 41 00-0031	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	82.73	27.33
21 13 41 00-0032	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	101.09	31.18
21 13 41 00-0033	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee, Fire Sprinkler Piping	119.44	36.77
21 13 41 00-0034		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Tees, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0035	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	45.11	16.62
21 13 41 00-0036	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	58.52	20.75
21 13 41 00-0037	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	65.47	22.92
21 13 41 00-0038	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	77.04	25.57
21 13 41 00-0039	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	90.72	29.11
21 13 41 00-0040	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Tee, Fire Sprinkler Piping	106.78	34.32
21 13 41 00-0041		**Chlorinated Polyvinyl Chloride (CPVC) Crosses, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0042	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	50.68	18.88
21 13 41 00-0043	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	63.54	23.70
21 13 41 00-0044	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	79.98	29.60
21 13 41 00-0045	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	90.06	32.75
21 13 41 00-0046	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	104.83	36.48
21 13 41 00-0047	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross, Fire Sprinkler Piping	133.44	41.49
21 13 41 00-0048		**Chlorinated Polyvinyl Chloride (CPVC) Couplings, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0049	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	17.29	6.29
21 13 41 00-0050	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	23.17	8.45
21 13 41 00-0051	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	30.69	11.11
21 13 41 00-0052	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	34.91	12.29
21 13 41 00-0053	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	39.96	13.67
21 13 41 00-0054	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	47.71	15.53
21 13 41 00-0055	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Coupling, Fire Sprinkler Piping	57.46	18.39
21 13 41 00-0056		**Chlorinated Polyvinyl Chloride (CPVC) Caps, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0057	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	8.81	3.15
21 13 41 00-0058	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	14.02	5.11
21 13 41 00-0059	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	16.02	5.51
21 13 41 00-0060	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	18.30	6.09
21 13 41 00-0061	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	21.58	6.88
21 13 41 00-0062	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	25.92	7.77
21 13 41 00-0063	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap, Fire Sprinkler Piping	33.46	9.24
21 13 41 00-0064		**Chlorinated Polyvinyl Chloride (CPVC) Reducer Bushing, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0065	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	24.52	9.34
21 13 41 00-0066	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	32.46	12.19
21 13 41 00-0067	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	35.88	13.47
21 13 41 00-0068	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	40.80	15.05
21 13 41 00-0069	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	48.27	17.11
21 13 41 00-0070	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Bushing, Fire Sprinkler Piping	58.77	20.25
21 13 41 00-0071		**Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0072	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	21.37	6.88
21 13 41 00-0073	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Spigot Style Reducing Adapter, Male Slip X Female Pipe Thread, Fire Sprinkler Piping	27.61	9.34
21 13 41 00-0074		**Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		
21 13 41 00-0075	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	21.37	6.88
21 13 41 00-0076	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	27.61	9.34
21 13 41 00-0077		**Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping** *(21 13 41 00-0001)*		

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21 13 41 00-0078	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	25.02	8.45
21 13 41 00-0079	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	31.94	10.62
21 13 41 00-0080	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Reducing 90 Degree Elbow Adapter With 3/4" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	33.10	10.62

21 13 41 00-0081 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter, Female Slip x Female Pipe Thread, Fire Sprinkler Piping *(21 13 41 00-0001)*

21 13 41 00-0082	EA	3/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	41.14	14.16
21 13 41 00-0083	EA	1" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	50.66	17.80
21 13 41 00-0084	EA	1-1/4" Schedule 40 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	65.79	22.22
21 13 41 00-0085	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	75.00	24.58
21 13 41 00-0086	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Straight Tee Adapter With 1/2" FPT, Female Slip x Female Pipe Thread, Fire Sprinkler Piping	87.60	27.33

21 20 Fire-Extinguishing Systems *(21)*

21 21 Carbon-Dioxide Fire-Extinguishing Systems *(21 20)*

21 21 16 Carbon-Dioxide Fire-Extinguishing Equipment *(21 21)*

21 21 16 00-0001 Carbon Dioxide Cylinders *(21 21 16)*

21 21 16 00-0002	EA	Carbon Dioxide Simplex Cylinder, 75 LB	1,462.60	205.35
21 21 16 00-0003	EA	Carbon Dioxide Duplex Cylinder, 75 LB (Each)	2,925.20	410.69
21 21 16 00-0004	EA	Carbon Dioxide Cylinder, Heat/Ion Detector, With Bracket	256.77	113.27
21 21 16 00-0005	EA	Carbon Dioxide Cylinder, Dispersion Nozzle	105.84	37.52
21 21 16 00-0006	LF	Carbon Dioxide Cylinder, 1/2" Rubber Tubing	29.81	15.21

21 22 Clean-Agent Fire-Extinguishing Systems *(21 20)*

21 22 16 Clean-Agent Fire-Extinguishing Equipment *(21 22)*

21 22 16 00-0001 Ansul Fire Control Systems *(21 22 16)*

21 22 16 00-0002 Sapphire® Fire Suppression Systems *(21 22 16 00-0001)*

Note: ANSUL® SAPPHIRE® fire suppression systems use 3M™ Novec™ 1230 fire protection fluid for total flooding applications.

21 22 16 00-0003 Cylinders, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0004	EA	20 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570635) Note: 10 to 21 LB tank capacity. Excludes Sapphire agent.	1,478.46	70.01
21 22 16 00-0005	EA	40 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570636) Note: 20 to 46 LB tank capacity. Excludes Sapphire agent.	1,687.13	70.01
21 22 16 00-0006	EA	80 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570637) Note: 41 to 80 LB tank capacity. Excludes Sapphire agent.	1,714.56	70.01
21 22 16 00-0007	EA	140 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570638) Note: 58 to 138 LB tank capacity. Excludes Sapphire agent.	2,434.63	93.34
21 22 16 00-0008	EA	280 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570639) Note: 116 to 280 LB tank capacity. Excludes Sapphire agent.	2,572.57	93.34
21 22 16 00-0009	EA	390 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570640) Note: 161 to 388 LB tank capacity. Excludes Sapphire agent.	2,747.40	116.68
21 22 16 00-0010	EA	450 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570641) Note: 194 to 459 LB tank capacity. Excludes Sapphire agent.	2,915.59	116.68
21 22 16 00-0011	EA	850 LB, Empty Tank And Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570586) Note: 375 to 851 LB tank capacity. Excludes Sapphire agent.	4,403.06	140.01
21 22 16 00-0012	LB	Sapphire Agent. Fire Protection Fluid, Factory Filled (Novec 1230) Note: Add to empty tank cost.	37.27	140.01

21 22 16 00-0013 Nozzles, Sapphire® Fire Suppression Systems *(21 22 16 00-0002)*

21 22 16 00-0014	EA	1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570515)	140.81	11.67
21 22 16 00-0015	EA	3/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570516)	144.36	11.67
21 22 16 00-0016	EA	1" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570517)	153.27	11.67
21 22 16 00-0017	EA	1-1/4" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570518)	159.50	11.67
21 22 16 00-0018	EA	1-1/2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570519)	168.40	11.67
21 22 16 00-0019	EA	2" Drilled Brass Nozzle, 180 Degree, Sapphire® Fire Suppression System (Ansul 570520)	195.09	11.67
21 22 16 00-0020	EA	1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570602)	140.81	11.67
21 22 16 00-0021	EA	3/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570603)	144.36	11.67
21 22 16 00-0022	EA	1" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570604)	153.27	11.67
21 22 16 00-0023	EA	1-1/4" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570605)	159.50	11.67
21 22 16 00-0024	EA	1-1/2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570606)	168.40	11.67
21 22 16 00-0025	EA	2" Drilled Brass Nozzle, 360 Degree, Sapphire® Fire Suppression System (Ansul 570607)	195.09	11.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0026		**Actuation Attachments, Sapphire® Fire Suppression System** *(21 22 16 00-0002)*		
21 22 16 00-0027	EA	7/16-20 To 1/4" NPT, Male Actuation Elbow, Sapphire® Fire Suppression System (Ansul 31810)	12.49	3.50
21 22 16 00-0028	EA	7/16-20 To 1/4" NPT, Male Actuation Tee, Sapphire® Fire Suppression System (Ansul 31811)	14.02	3.50
21 22 16 00-0029	EA	1/4" NPT To 7/16-20, Male Actuation Connector, Sapphire® Fire Suppression System (Ansul 32338)	18.84	8.17
21 22 16 00-0030	EA	16" Actuation Hose, Sapphire® Fire Suppression System (Ansul 73597)	45.08	10.46
21 22 16 00-0031	EA	32" Actuation Hose, Sapphire® Fire Suppression System (Ansul 415142)	67.17	10.46
21 22 16 00-0032	EA	42" Actuation Hose, Sapphire® Fire Suppression System (Ansul 430815)	81.26	10.46
21 22 16 00-0033	EA	24", Stainless Steel, Swivel, Braided Actuation Hose, Sapphire® Fire Suppression System (Ansul 32336)	39.99	10.46
21 22 16 00-0034	EA	Pneumatic Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	276.56	93.34
21 22 16 00-0035	EA	Local Manual Actuator, Sapphire® Fire Suppression System (Ansul 570549)	268.15	70.01
21 22 16 00-0036	EA	Electric Actuator Shipping Assembly, Sapphire® Fire Suppression System (Ansul 570537)	607.62	93.34
21 22 16 00-0037		**Nameplates, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0038	EA	Warning Plate For Use Outside Room, Sapphire® Fire Suppression Systems (Ansul 570580)	44.70	11.67
21 22 16 00-0039	EA	Warning Plate for Use Inside Room, Sapphire® Fire Suppression Systems (Ansul 570581)	48.71	11.67
21 22 16 00-0040		**Cylinder Bracketing, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0041	EA	Tank Bracket Assembly For 20 LB, 40 LB, 50 LB, 80 LB And 90 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	137.65	35.00
21 22 16 00-0042	EA	Tank Bracket Assembly For 140 LB, 280 LB, 390 LB And 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570085)	145.65	35.00
21 22 16 00-0043	EA	Tank Bracket Assembly For 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570336)	155.89	35.00
21 22 16 00-0044		**Check Valves, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0045	EA	1" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570566)	376.96	37.15
21 22 16 00-0046	EA	2" Manifold Check Valve, Sapphire® Fire Suppression Systems (Ansul 570568)	529.03	63.75
21 22 16 00-0047		**Discharge Hose, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0048	EA	1" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570539)	116.97	23.34
21 22 16 00-0049	EA	2" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 570538)	444.48	23.34
21 22 16 00-0050	EA	3" Flexible Discharge Hose, Sapphire® Fire Suppression Systems (Ansul 69990)	374.16	23.34
21 22 16 00-0051	EA	3" Discharge Hose And Check Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 69841)	1,635.48	93.34
21 22 16 00-0052		**Swivel Adaptors, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0053	EA	1" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570557)	41.68	16.34
21 22 16 00-0054	EA	2" Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 570558)	74.95	16.34
21 22 16 00-0055	EA	3" Flare To 3" Grooved, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69471)	210.23	11.67
21 22 16 00-0056	EA	3" Flare To 3" NPT, Single-Tank Swivel Adaptor, Sapphire® Fire Suppression Systems (Ansul 69470)	271.38	11.67
21 22 16 00-0057		**Pressure Switches, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0058	EA	Cylinder Low Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 570585)	152.52	46.67
21 22 16 00-0059	EA	Pressure Trip, Sapphire® Fire Suppression Systems (Ansul 5156)	155.78	19.60
21 22 16 00-0060	EA	Weather Proof, DPST Pressure Switch, Sapphire® Fire Suppression Systems (Ansul 46250)	477.49	81.67
21 22 16 00-0061		**Level Indicators, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0062	EA	Liquid Level Indicator For 280 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570277)	564.84	16.34
21 22 16 00-0063	EA	Liquid Level Indicator For 390 LB And 850 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570278)	591.55	16.34
21 22 16 00-0064	EA	Liquid Level Indicator For 450 LB Tanks, Sapphire® Fire Suppression Systems (Ansul 570589)	633.12	23.34
21 22 16 00-0065		**Inspection/Maintenance Devices, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0066	EA	Master Tank Pilot Port Male Adaptor, Sapphire® Fire Suppression Systems (Ansul 570342)	42.24	14.00
21 22 16 00-0067	EA	Cylinder Valve Pressure Gauge, Sapphire® Fire Suppression Systems (Ansul 570642)	53.04	16.34
21 22 16 00-0068	EA	Recharge Top Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570579)	175.78	70.01
21 22 16 00-0069	EA	1" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570576)	206.31	70.01
21 22 16 00-0070	EA	2" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 570592)	231.67	70.01
21 22 16 00-0071	EA	3" Recharge Fill Adaptor Assembly, Sapphire® Fire Suppression Systems (Ansul 69891)	313.55	70.01
21 22 16 00-0072		**Replacement Parts, Sapphire® Fire Suppression Systems** *(21 22 16 00-0002)*		
21 22 16 00-0073	EA	O-Ring Kit, Sapphire® Fire Suppression Systems (Ansul 570559)	50.13	18.67
21 22 16 00-0074	EA	Recoil Cap, Sapphire® Fire Suppression Systems (Ansul 570553)	84.30	11.67
21 22 16 00-0075	EA	Burst Disc Assembly, Sapphire® Fire Suppression Systems (Ansul 570053)	112.98	23.34
21 22 16 00-0076	EA	Bonnet Assembly, Sapphire® Fire Suppression Systems (Ansul 570543)	295.26	93.34
21 22 16 00-0077	EA	Piston Assembly, Sapphire® Fire Suppression Systems (Ansul 570551)	450.99	93.34
21 22 16 00-0078	EA	1" Valve Assembly, Sapphire® Fire Suppression Systems (Ansul 570535)	1,542.92	93.34
21 22 16 00-0079		**Inergen® Fire Suppression System** *(21 22 16 00-0001)*		
21 22 16 00-0080		**Actuation Attachments, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0081	EA	Flexible Discharge Bend For CV90 And CV98 (200 Bar), Inergen® Fire Suppression System (Ansul 427082)	164.61	23.12
21 22 16 00-0082	EA	Metron Protractor Replacement Cartridges, Inergen® Fire Suppression System (Ansul 423958)	191.56	24.85
21 22 16 00-0083	EA	Electric Actuator, Lever, CV98, Inergen® Fire Suppression System (Ansul 423309)	342.70	44.97
21 22 16 00-0084	EA	Electric Actuator For CV90 Valve, Inergen® Fire Suppression System (Ansul 426876)	688.13	102.41
21 22 16 00-0085		**Check Valves, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0086	EA	2" Bronze Check Valve, Weld Neck Flange, Inergen® Fire Suppression System (Ansul 840794)	1,672.16	135.16
21 22 16 00-0087		**Components, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0088	EA	1/2" Manifold Relief Valve, Inergen® Fire Suppression System (Ansul 418378)	48.89	7.09
21 22 16 00-0089	EA	Pressure Operated Siren, Inergen® Fire Suppression System (Ansul 419700)	575.51	75.95
21 22 16 00-0090	EA	30 Second Pneumatic Time Delay, Inergen® Fire Suppression System (Ansul 54169)	1,791.45	237.62
21 22 16 00-0091	EA	60 Second Time Delay, Inergen® Fire Suppression System (Ansul 426170)	1,706.04	242.08
21 22 16 00-0092		**Cylinders, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
		Note: Includes CV98 valve. Factory filled with Inergen agent.		
21 22 16 00-0093	EA	200 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426147)	1,492.17	217.47
21 22 16 00-0094	EA	250 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426148)	1,692.70	246.39
21 22 16 00-0095	EA	350 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426620)	2,425.13	319.29
21 22 16 00-0096	EA	435 CF Cylinder, Standard Paint, Inergen® Fire Suppression System (Ansul 426150)	2,424.07	390.17
21 22 16 00-0097	EA	250 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426257)	1,749.13	274.72
21 22 16 00-0098	EA	350 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426621)	2,481.99	347.73
21 22 16 00-0099	EA	435 CF Cylinder, Corrosion Resistant Paint, Inergen® Fire Suppression System (Ansul 426259)	2,556.47	419.26
21 22 16 00-0100		**Inspection/Maintenance Devices, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0101	EA	CV90 Fill Adaptor To CV98 Valve, Conversion Adapter, Inergen® Fire Suppression System (Ansul 423657)	56.34	7.91
21 22 16 00-0102	EA	CV98 To CV90 Conversion Adapter, Cylinder Test Gauge, Inergen® Fire Suppression System (Ansul 426181)	56.34	7.91
21 22 16 00-0103	EA	CV90 Pressure Test Assembly Venting Kit, Inergen® Fire Suppression System (Ansul 426954)	68.02	8.78
21 22 16 00-0104	EA	Pressure Test Gauge, Inergen® Fire Suppression System (Ansul 423923)	1,073.57	150.91
21 22 16 00-0105		**Multiple Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0106	EA	13" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418502)	18.10	2.31
		Note: For single row 435 cubic foot cylinders.		
21 22 16 00-0107	EA	27" Carriage Bolt With Nut, Multiple Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 418503)	25.69	3.30
		Note: For double row 435 cubic foot cylinders.		
21 22 16 00-0108		**Nameplates, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0109	EA	Warning Plate, Nameplate, Inside Room With Alarm, Inergen® Fire Suppression System (Ansul 416265)	19.95	2.58
21 22 16 00-0110	EA	Warning Plate, Nameplate, Outside Room Without Alarm, Inergen® Fire Suppression System (Ansul 416266)	18.42	2.58
21 22 16 00-0111		**Nozzle Deflector Shields, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0112	EA	1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417708)	80.12	11.14
21 22 16 00-0113	EA	3/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417711)	84.07	11.66
21 22 16 00-0114	EA	1" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417714)	97.69	13.47
21 22 16 00-0115	EA	1-1/4" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417717)	108.87	15.21
21 22 16 00-0116	EA	1-1/2" Nozzle Deflector Shield, Inergen® Fire Suppression System (Ansul 417720)	124.89	17.49
21 22 16 00-0117		**Nozzles, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0118	EA	1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417908)	122.70	17.23
21 22 16 00-0119	EA	3/8" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417723)	127.30	17.75
21 22 16 00-0120	EA	1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417362)	117.42	16.43
21 22 16 00-0121	EA	3/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417363)	120.18	17.75
21 22 16 00-0122	EA	1" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417364)	139.61	19.52
21 22 16 00-0123	EA	1-1/4" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417365)	149.25	20.78
21 22 16 00-0124	EA	1-1/2" NPT Nozzle, 360 Degree, Inergen® Fire Suppression System (Ansul 417366)	160.67	22.30
21 22 16 00-0125	EA	2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426155)	276.54	39.03
21 22 16 00-0126	EA	2-1/2" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426156)	365.64	51.20
21 22 16 00-0127	EA	3" NPT Nozzle, Inergen® Fire Suppression System (Ansul 426137)	398.57	56.28
21 22 16 00-0128	EA	1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426138)	142.87	20.26
21 22 16 00-0129	EA	3/8" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426139)	168.54	23.73
21 22 16 00-0130	EA	1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426140)	138.71	19.52
21 22 16 00-0131	EA	3/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426141)	148.17	20.68
21 22 16 00-0132	EA	1" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426142)	149.47	20.78
21 22 16 00-0133	EA	1-1/4" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426143)	180.43	25.25
21 22 16 00-0134	EA	1-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426157)	194.46	27.37
21 22 16 00-0135	EA	2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426144)	298.49	42.01
21 22 16 00-0136	EA	2-1/2" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426145)	348.51	49.18
21 22 16 00-0137	EA	3" NPT Nozzle, 180 Degree Sidewall, Inergen® Fire Suppression System (Ansul 426146)	381.88	53.73
21 22 16 00-0138		**Pressure Reducers, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0139	EA	1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416677)	160.67	22.30
21 22 16 00-0140	EA	3/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416678)	197.11	27.78
21 22 16 00-0141	EA	1" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416679)	212.01	29.91
21 22 16 00-0142	EA	1-1/4" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416680)	298.49	42.01
21 22 16 00-0143	EA	1-1/2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416681)	326.13	46.03
21 22 16 00-0144	EA	2" NPT, Orifice Union, Pressure Reducer, Inergen® Fire Suppression System (Ansul 416682)	383.19	53.73
21 22 16 00-0145	EA	2-1/2" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417057)	445.50	63.01
21 22 16 00-0146	EA	3" NPT, Orifice Nipple, Pressure Reducer, Inergen® Fire Suppression System (Ansul 417058)	526.69	74.53
21 22 16 00-0147	EA	2-1/2" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426823)	672.04	147.02
21 22 16 00-0148	EA	3" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426824)	866.26	172.37
21 22 16 00-0149	EA	4" NPT, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426825)	1,104.33	288.97
21 22 16 00-0150	EA	2-1/2" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426847)	655.12	147.02
21 22 16 00-0151	EA	3" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426848)	725.10	102.69
21 22 16 00-0152	EA	4" Slip-On, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426849)	1,104.33	288.97
21 22 16 00-0153	EA	2-1/2" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426853)	669.36	147.02
21 22 16 00-0154	EA	3" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426854)	753.63	106.71
21 22 16 00-0155	EA	4" Weld Neck, Orifice Flanged, Pressure Reducer, Inergen® Fire Suppression System (Ansul 426855)	1,082.97	288.97

21 22 16 00-0156 Pressure Switches, Inergen® Fire Suppression System *(21 22 16 00-0079)*

21 22 16 00-0157	EA	3PST, Pressure Switch, Inergen® Fire Suppression System (Ansul 842344)	754.09	112.04

21 22 16 00-0158 Releasing Device Equipment, Inergen® Fire Suppression System *(21 22 16 00-0079)*

21 22 16 00-0159	EA	12 Or 24 Volt DC, Assembly, Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 17728)	1,237.29	173.82
21 22 16 00-0160	EA	24 Volt DC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 31492)	1,762.47	231.62
21 22 16 00-0161	EA	120 Volt AC, Explosion Proof Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 32525)	1,869.30	235.61
21 22 16 00-0162	EA	Cocking Lever For Automan II-C Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 26310)	87.37	11.98
21 22 16 00-0163	EA	LT-30-R Nitrogen Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 5373)	104.31	15.87
21 22 16 00-0164	EA	Remote Actuator Booster With N2 Cartridge, Releasing Device Equipment, Inergen® Fire Suppression System (Ansul 28939)	1,001.44	124.01

21 22 16 00-0165 Replacement Orifice Plates, Inergen® Fire Suppression System *(21 22 16 00-0079)*

21 22 16 00-0166	EA	1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418095)	109.65	11.77
21 22 16 00-0167	EA	3/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418096)	114.92	12.40
21 22 16 00-0168	EA	1" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418097)	120.69	12.61
21 22 16 00-0169	EA	1-1/4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418098)	129.54	13.03
21 22 16 00-0170	EA	1-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418099)	134.76	14.29
21 22 16 00-0171	EA	2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 418100)	135.31	15.45
21 22 16 00-0172	EA	2-1/2" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426984)	296.27	41.40
21 22 16 00-0173	EA	3" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426985)	298.91	41.83
21 22 16 00-0174	EA	4" Replacement Orifice Plate, Inergen® Fire Suppression System (Ansul 426986)	383.19	53.59

21 22 16 00-0175 Single Cylinder Bracketing, Inergen® Fire Suppression System *(21 22 16 00-0079)*

21 22 16 00-0176	EA	Strap For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427704)	139.61	19.52
21 22 16 00-0177	EA	Channel For 435 CF Cylinder, Single Cylinder Bracketing, Inergen® Fire Suppression System (Ansul 427705) Note: Includes saddle, padding and fasteners.	190.10	44.61

21 22 16 00-0178 Single Mating Flanges, Flanged Manifold Orifices, Inergen® Fire Suppression System *(21 22 16 00-0079)*

21 22 16 00-0179	EA	2-1/2" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426856) Note: Includes gasket and fasteners.	365.24	28.85
21 22 16 00-0180	EA	3" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426857) Note: Includes gasket and fasteners.	305.96	43.07
21 22 16 00-0181	EA	4" Threaded, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426858) Note: Includes gasket and fasteners.	611.35	288.97
21 22 16 00-0182	EA	2-1/2" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426859) Note: Includes gasket and fasteners.	191.83	26.94
21 22 16 00-0183	EA	3" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426860) Note: Includes gasket and fasteners.	225.18	31.43
21 22 16 00-0184	EA	4" Slip-On, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426861) Note: Includes gasket and fasteners.	606.86	288.97
21 22 16 00-0185	EA	2-1/2" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426862) Note: Includes gasket and fasteners.	199.71	28.21
21 22 16 00-0186	EA	3" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426863) Note: Includes gasket and fasteners.	233.98	32.88
21 22 16 00-0187	EA	4" Weld Neck, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426864) Note: Includes gasket and fasteners.	629.10	288.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0188	EA	2-1/2" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426828)	39.34	2.14
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0189	EA	3" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426829)	39.76	2.36
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0190	EA	4" Flange Gasket, Single Mating Flange, Flanged Manifold Orifices, Inergen® Fire Suppression System (Ansul 426830)	42.81	2.79
		Note: Includes a stainless steel inner ring and a carbon steel outer ring.		
21 22 16 00-0191		**Upright And Feet, Cylinder Bracketing, Inergen® Fire Suppression System** *(21 22 16 00-0079)*		
21 22 16 00-0192	EA	Center Upright Foot, Inergen® Fire Suppression System (Ansul 418508)	24.45	3.43
21 22 16 00-0193	EA	Double Row, Back-To-Back Rows, Weigh Rail Support, Inergen® Fire Suppression System (Ansul 423027)	201.23	26.07
21 22 16 00-0194	EA	85" High, Cylinder Bracketing For 425 CF And LC100 Cylinders, Inergen® Fire Suppression System (Ansul 426592)	149.64	26.07
		Note: Includes upright, left, right and center.		
21 22 16 00-0195		**Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0001)*		
21 22 16 00-0196		**Accessory Switches, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0197	EA	Abort, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76495)	157.54	22.49
21 22 16 00-0198	EA	Abort, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76494)	179.04	25.64
21 22 16 00-0199	EA	Main/Reserve, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76497)	227.73	32.58
21 22 16 00-0200	EA	Main/Reserve, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76496)	245.29	35.10
21 22 16 00-0201	EA	Maintenance, Flush Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76499)	307.14	44.14
21 22 16 00-0202	EA	Maintenance, Surface Mount Switch, Autopulse® Fire Detection And Control Equipment (Ansul 76498)	326.90	46.87
21 22 16 00-0203	EA	Explosion Proof, Abort Switch, Autopulse® Fire Detection And Control Equipment (Ansul 65956)	626.55	90.38
21 22 16 00-0204	EA	Single Gang, Surface Mount Back Box For Accessory Switches, Autopulse® Fire Detection And Control Equipment (Ansul 76490)	50.49	6.73
21 22 16 00-0205		**Alarm Devices, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0206	EA	Selectable Candela Strobe, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429698)	136.47	19.54
21 22 16 00-0207	EA	Sync Module, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429699)	200.10	28.59
21 22 16 00-0208	EA	Back Box Extender Adapter, Alarm Devices, Autopulse® Fire Detection And Control Equipment (Ansul 429702)	18.25	2.60
21 22 16 00-0209		**Annunciators, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0210	EA	80 Character LCD, Annunciator, LCD-80, Autopulse® Fire Detection And Control Equipment (Ansul 417492)	1,572.26	226.79
21 22 16 00-0211	EA	16 Zone Alarm/Trouble, Annunciator Control Module, ACM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417496)	1,318.02	190.00
21 22 16 00-0212	EA	16 Zone Alarm/Trouble, Annunciator Expander Module, AEM-16AT, Autopulse® Fire Detection And Control Equipment (Ansul 417497)	1,023.16	147.54
21 22 16 00-0213	EA	32 Zone, Alarm Annunciator Expander Module, AEM-32A, Autopulse® Fire Detection And Control Equipment (Ansul 417500)	891.12	128.42
21 22 16 00-0214	EA	Annunciator Lamp Driver Control Module, LDM-32, Autopulse® Fire Detection And Control Equipment (Ansul 417501)	891.12	128.42
21 22 16 00-0215	EA	Annunciator Lamp Driver Expander Module, LDM-E32, Autopulse® Fire Detection And Control Equipment (Ansul 417502)	713.87	102.78
21 22 16 00-0216	EA	Annunciator Lamp Driver Relay Module, LDM-R32, Autopulse® Fire Detection And Control Equipment (Ansul 417650)	1,318.02	190.00
21 22 16 00-0217	EA	24", Annunciator Lamp Driver Cable, LDM-CBL24, Autopulse® Fire Detection And Control Equipment (Ansul 417651)	268.09	38.46
21 22 16 00-0218	EA	48", Annunciator Lamp Driver Cable, LDM-CBL48, Autopulse® Fire Detection And Control Equipment (Ansul 417652)	336.09	48.34
21 22 16 00-0219	EA	8 Relay, Annunciator Control Module, ACM-8R, Autopulse® Fire Detection And Control Equipment (Ansul 417653)	673.93	97.10
21 22 16 00-0220	EA	Key Switch, AKS-1 Annunciator Accessory, Autopulse® Fire Detection And Control Equipment (Ansul 417660)	113.87	16.28
21 22 16 00-0221	EA	Low Profile Annunciator Chassis, CHS-4L, Autopulse® Fire Detection And Control Equipment (Ansul 418576)	154.86	22.49
		Note: For up to 4 LDM modules.		
21 22 16 00-0222	EA	Flush, Single Annunciator Back Box, ABF-1, Autopulse® Fire Detection And Control Equipment (Ansul 417657)	268.10	38.46
21 22 16 00-0223		**Autopulse IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		
21 22 16 00-0224	EA	CHS-4 Chassis, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419586)	208.28	31.32
21 22 16 00-0225	EA	REL 47K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419639)	12.87	2.15
21 22 16 00-0226	EA	REL 4.7K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 419640)	90.70	2.60
21 22 16 00-0227	EA	REL 2.2K, In Line Supervisory Device, IQ-396X Cabinets/Accessories, Autopulse® Fire Detection And Control Equipment (Ansul 407765)	13.90	2.60
21 22 16 00-0228		**Autopulse IQ-396X Modules, Autopulse® Fire Detection And Control Equipment** *(21 22 16 00-0195)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0229	EA	Indicating Circuit Expander, IQ-396X Modules, ICE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419564)	462.98	70.20
21 22 16 00-0230	EA	Control Relay Expander, IQ-396X Modules, CRE-4, Autopulse® Fire Detection And Control Equipment (Ansul 419566)	277.56	41.83

21 22 16 00-0231 Batteries And Power Supplies, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0232	EA	7 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417692)	204.78	26.90
21 22 16 00-0233	EA	12 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417693)	428.20	56.96
21 22 16 00-0234	EA	18 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417694)	483.22	64.52
21 22 16 00-0235	EA	25 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417695)	631.82	78.61
21 22 16 00-0236	EA	55 Ampere Hours, 24 Volt DC, Battery Pack, Autopulse® Fire Detection And Control Equipment (Ansul 417997)	1,018.19	136.41
21 22 16 00-0237	EA	BB-17, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 418578)	152.28	21.65
21 22 16 00-0238	EA	BB-25, Grey Cabinet, Autopulse® Fire Detection And Control Equipment (Ansul 428079) Note: Holds six XP5 modules or 25AH battery pack.	272.04	39.09
21 22 16 00-0239	EA	BB-55, Red Battery Box, Autopulse® Fire Detection And Control Equipment (Ansul 419410) Note: For mounting in BB-55 battery box.	553.28	79.66
21 22 16 00-0240	EA	Battery Charger, CHG-120, Autopulse® Fire Detection And Control Equipment (Ansul 426207) Note: For mounting in BB-55 battery box.	1,608.46	232.04
21 22 16 00-0241	EA	120 Volt AC, FCPS-24F, Red Remote Power Supply, Autopulse® Fire Detection And Control Equipment (Ansul 418563)	1,176.29	169.61

21 22 16 00-0242 Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0243	EA	Monitor Module, Intelligent Addressable Devices, FMM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428097)	123.94	17.97
21 22 16 00-0244	EA	Mini Monitor Module, Intelligent Addressable Devices, FMM-101, Autopulse® Fire Detection And Control Equipment (Ansul 428098)	115.72	17.87
21 22 16 00-0245	EA	Isolator Module, Intelligent Addressable Devices, ISO-X, Autopulse® Fire Detection And Control Equipment (Ansul 417480)	156.78	25.64
21 22 16 00-0246	EA	2-Wire Detector Monitor Module, Intelligent Addressable Devices, FZM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428100)	233.00	33.42
21 22 16 00-0247	EA	NAC Control Module, Intelligent Addressable Devices, FCM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428101)	181.11	27.11
21 22 16 00-0248	EA	Control Relay Module, Intelligent Addressable Devices, FRM-1, Autopulse® Fire Detection And Control Equipment (Ansul 428102)	170.09	26.07
21 22 16 00-0249	EA	Flangeless, Analog Addressable Detector Base, Intelligent Addressable Devices, B501, Autopulse® Fire Detection And Control Equipment (Ansul 417487)	27.09	4.16
21 22 16 00-0250	EA	Analog Addressable Detector Base With Isolator, Intelligent Addressable Devices, B224BI, Autopulse® Fire Detection And Control Equipment (Ansul 426125)	100.01	14.71
21 22 16 00-0251	EA	Harsh Detector, Analog Addressable Detector Base, Intelligent Addressable Devices, B710HD, Autopulse® Fire Detection And Control Equipment (Ansul 427066)	100.05	14.29
21 22 16 00-0252	EA	HPX-751 Detector Filter Cover, Intelligent Addressable Devices, FR-FTX, Autopulse® Fire Detection And Control Equipment (Ansul 427067)	35.27	11.77
21 22 16 00-0253	EA	Low Profile Trim Ring, Intelligent Addressable Devices, F110, Autopulse® Fire Detection And Control Equipment (Ansul 428138) Note: Converts BX501 to low profile base.	9.20	1.30
21 22 16 00-0254	EA	Relay Base, Intelligent Addressable Devices, B224RB, Autopulse® Fire Detection And Control Equipment (Ansul 423945)	96.30	13.76
21 22 16 00-0255	EA	EOL Power Supervision Relay, Intelligent Addressable Devices, Autopulse® Fire Detection And Control Equipment (Ansul 417699)	56.42	8.12
21 22 16 00-0256	EA	XP5 Modules Cabinet, Intelligent Addressable Devices, BB-XP, Autopulse® Fire Detection And Control Equipment (Ansul 428078)	152.73	21.44
21 22 16 00-0257	EA	BB-25 Chassis, Intelligent Addressable Devices, CHS-6, Autopulse® Fire Detection And Control Equipment (Ansul 428080)	79.86	11.35

21 22 16 00-0258 Manual Pull Stations, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0259	EA	Break Rod Package For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 428661)	23.00	3.05
21 22 16 00-0260	EA	Key Pull Station For Manual Pull Stations, Autopulse® Fire Detection And Control Equipment (Ansul 418336)	14.28	1.68

21 22 16 00-0261 Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment *(21 22 16 00-0195)*

21 22 16 00-0262	EA	Transmitter Module, 4XTM, Autopulse® Fire Detection And Control Equipment (Ansul 417470) Note: Includes municipal box and remote station connection.	200.10	28.59
21 22 16 00-0263	EA	Relay/Transmitter Module With 8 Form C Relay Contacts, RTM-8, Autopulse® Fire Detection And Control Equipment (Ansul 417471)	601.98	82.18
21 22 16 00-0264	EA	Universal Digital Alarm COM/XMTR Module, UDACT, Autopulse® Fire Detection And Control Equipment (Ansul 419411)	1,148.67	165.62
21 22 16 00-0265	EA	Ferrite Core For Transmitter/Relay Modules, Autopulse® Fire Detection And Control Equipment (Ansul 419635)	30.64	4.29

21 22 16 00-0266 Vesda® Aspirating Smoke Detection System *(21 22 16 00-0001)*

21 22 16 00-0267 Batteries And Power Supplies, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0268	EA	Transformer Only, VSP-TRAN-120, Vesda® Aspirating Smoke Detection System (Ansul 430482)	155.85	20.18
21 22 16 00-0269	EA	Battery Cabinet, VBC-001, Vesda® Aspirating Smoke Detection System (Ansul 430379)	273.70	30.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 22 16 00-0270	EA	120 Volt AC, Single Zone Power Supply With Housing, VPS-100US-120, Vesda® Aspirating Smoke Detection System (Ansul 430374)	866.37	117.70
21 22 16 00-0271	EA	220 Volt AC, Single Zone Power Supply With Housing, VPS-100US-220, Vesda® Aspirating Smoke Detection System (Ansul 430375)	866.37	117.70
21 22 16 00-0272	EA	120 Volt AC, Multi Zone Power Supply, VPS-300US-120, Vesda® Aspirating Smoke Detection System (Ansul 430376) Note: Includes housing and battery cab.	1,301.74	176.55
21 22 16 00-0273	EA	220 Volt AC, Multi Zone Power Supply, VPS-300US-220, Vesda® Aspirating Smoke Detection System (Ansul 430377) Note: Includes housing and battery cab.	1,301.74	176.55
21 22 16 00-0274	EA	48 Volt DC, Multi Zone Power Supply With Housing, VPS-400US-48, Vesda® Aspirating Smoke Detection System (Ansul 430378)	1,904.04	224.89

21 22 16 00-0275 Blank Plates, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0276	EA	Blank Plate Without VESDA Logo, VSP-300, Vesda® Aspirating Smoke Detection System (Ansul 430459)	27.93	3.78
21 22 16 00-0277	EA	Blank Plate With VESDA Logo, VSP-000, Vesda® Aspirating Smoke Detection System (Ansul 430458)	42.27	3.78
21 22 16 00-0278	EA	Blank Plate, EMC Painted Without Logo, VSP-200, Vesda® Aspirating Smoke Detection System (Ansul 430484)	61.24	7.15
21 22 16 00-0279	EA	Single Blank Plate, VRE-001, Vesda® Aspirating Smoke Detection System (Ansul 430446)	95.60	7.99
21 22 16 00-0280	EA	Double Blank Plate, VRE-002, Vesda® Aspirating Smoke Detection System (Ansul 430447)	119.80	15.97
21 22 16 00-0281	EA	Blank Plate Without FOK LED's And Logo, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430480)	222.60	20.18

21 22 16 00-0282 Detectors, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0283	EA	LaserPLUS, Detector Only, Enclosure, VLP-000, Vesda® Aspirating Smoke Detection System (Ansul 430350) Note: Includes 3 blank plates.	6,535.89	987.83
21 22 16 00-0284	EA	LaserPLUS Detector, VLP-012, Vesda® Aspirating Smoke Detection System (Ansul 430354) Note: Includes centrally mounted LCD programmer module and standard display.	8,342.05	1,219.03
21 22 16 00-0285	EA	LaserPLUS Detector, VLP-010, Vesda® Aspirating Smoke Detection System (Ansul 430356) Note: Includes centrally mounted LCD programmer.	7,542.26	1,113.94
21 22 16 00-0286	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-200, Vesda® Aspirating Smoke Detection System (Ansul 430357)	10,492.98	1,471.24
21 22 16 00-0287	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-300, Vesda® Aspirating Smoke Detection System (Ansul 430358)	11,046.89	1,555.32
21 22 16 00-0288	EA	7-Relay Version, LaserSCANNER Detector Only, VLS-600, Vesda® Aspirating Smoke Detection System (Ansul 430359) Note: Includes 1 fire alarm (any SCT) and OK/FOK LEDs.	10,608.10	1,492.26
21 22 16 00-0289	EA	12-Relay Version, LaserSCANNER Detector Only, VLS-700, Vesda® Aspirating Smoke Detection System (Ansul 430360) Note: Includes 1 fire alarm (any SCT) and OK/FOK LED.	11,203.43	1,576.33
21 22 16 00-0290	EA	7-Relay, LaserSCANNER Detector Only, VLS-204, Vesda® Aspirating Smoke Detection System (Ansul 430361) Note: Includes 2 blank plates and scan display module at far right.	11,522.27	1,639.38
21 22 16 00-0291	EA	12-Relay, LaserSCANNER Detector, VLS-304, Vesda® Aspirating Smoke Detection System (Ansul 430363) Note: Includes 2 blank plates and scanner display.	12,021.30	1,723.46
21 22 16 00-0292	EA	7-Relay, LaserSCANNER Detector, VLS-214, Vesda® Aspirating Smoke Detection System (Ansul 430365) Note: Includes centrally mounted programmer module.	12,635.75	1,807.52
21 22 16 00-0293	EA	12-Relay, LaserSCANNER Detector, VLS-314, Vesda® Aspirating Smoke Detection System (Ansul 430367) Note: Includes centrally mounted LCD programmer module and scanner display module.	13,174.82	1,891.60
21 22 16 00-0294	EA	12-Relay, LaserSCANNER Detector, VLS-310, Vesda® Aspirating Smoke Detection System (Ansul 430369) Note: Includes centrally mounted LCD programmer.	12,385.59	1,723.46

21 22 16 00-0295 Displays, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0296	EA	VRT-200 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430381) Note: Includes a remote termination card and 7 relays.	1,993.05	231.19
21 22 16 00-0297	EA	VRT-400 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430385) Note: Includes a remote termination card and 7 relays.	2,002.85	231.19
21 22 16 00-0298	EA	VRT-600 Display, Standard Version, Vesda® Aspirating Smoke Detection System (Ansul 430383) Note: Includes a remote termination card without relays.	1,804.91	210.18
21 22 16 00-0299	EA	VRT-700 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430387) Note: Includes a remote termination card.	1,816.29	210.18
21 22 16 00-0300	EA	VRT-800 Display, Scanner Version, Vesda® Aspirating Smoke Detection System (Ansul 430389) Note: Includes a remote termination card and 12 relays.	2,245.56	252.22
21 22 16 00-0301	EA	VRT-K00 Display, Compact Version Without Relays, Vesda® Aspirating Smoke Detection System (Ansul 430391)	1,907.99	218.59
21 22 16 00-0302	EA	VRT-J00 Display, Compact Version With 7 Relays, Vesda® Aspirating Smoke Detection System (Ansul 430393)	2,088.16	245.49

21 22 16 00-0303 Intelligent Addressable Devices, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0304	EA	LaserCOMPACT (VN), VESDAnet Version Plus Relay Output, VLC-505, Vesda® Aspirating Smoke Detection System (Ansul 430370)	5,004.54	693.59
21 22 16 00-0305	EA	LaserCOMPACT (RO), Relay Only Version, VLC-500, Vesda® Aspirating Smoke Detection System (Ansul 430372)	4,122.67	554.87
21 22 16 00-0306	EA	Programmer With Remote Termination Card, VRT-100, Vesda® Aspirating Smoke Detection System (Ansul 430380)	1,456.73	210.18
21 22 16 00-0307	EA	VESDAnet Socket, VRT-300, Vesda® Aspirating Smoke Detection System (Ansul 430395)	1,049.65	136.62
21 22 16 00-0308	EA	System Relay Module, VRT-S07, Vesda® Aspirating Smoke Detection System (Ansul 430399)	1,462.84	184.11
21 22 16 00-0309	EA	PC-Link High-Level Interface, VHX-0200, Vesda® Aspirating Smoke Detection System (Ansul 430442) Note: Interface connects PC and LaserPLUS system.	1,654.22	226.99
21 22 16 00-0310	EA	Modem Cable, PC-HLI To Modem Connection, VHX-00090, Vesda® Aspirating Smoke Detection System (Ansul 430443)	275.97	34.05

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21 22 16 00-0311	EA	Hand-Held Programmer, VHH-1000, Vesda® Aspirating Smoke Detection System (Ansul 430444)	1,846.54	210.18
21 22 16 00-0312	EA	Programmer Module, VSP-001, Vesda® Aspirating Smoke Detection System (Ansul 430460)	1,317.36	174.44
21 22 16 00-0313	EA	VESDAnet Socket Kit, VSP-003, Vesda® Aspirating Smoke Detection System (Ansul 430463)	1,034.79	134.51
21 22 16 00-0314	EA	Standard Display Module, VSP-002, Vesda® Aspirating Smoke Detection System (Ansul 430461)	1,319.49	174.44
21 22 16 00-0315	EA	Scanner Display Module, VSP-004, Vesda® Aspirating Smoke Detection System (Ansul 430464)	1,317.36	174.44
21 22 16 00-0316	EA	Remote Display Module, Compact (VN), VSP-502, Vesda® Aspirating Smoke Detection System (Ansul 430487)	1,303.13	163.94
21 22 16 00-0317	EA	Filter Cartridge, VSP-005, Vesda® Aspirating Smoke Detection System (Ansul 430466)	155.30	14.71
21 22 16 00-0318	EA	Detector Chassis Assembly, VSP-006, Vesda® Aspirating Smoke Detection System (Ansul 430467)	6,295.37	807.09
21 22 16 00-0319	EA	Scanner Chassis Assembly, VSP-009, Vesda® Aspirating Smoke Detection System (Ansul 430470)	10,969.36	1,412.39
21 22 16 00-0320	EA	Aspirator For LaserPLUS And Laser Scanner, VSP-015, Vesda® Aspirating Smoke Detection System (Ansul 430475)	857.52	105.09
21 22 16 00-0321	EA	Filter Cover, VSP-019, Vesda® Aspirating Smoke Detection System (Ansul 430477)	19.54	2.10
21 22 16 00-0322	EA	Cover Screws, 17606, Vesda® Aspirating Smoke Detection System (Ansul 430478)	11.07	0.42
21 22 16 00-0323	EA	US Power Supply Circuit Board Only, VSP-100, Vesda® Aspirating Smoke Detection System (Ansul 430481)	472.22	60.95
21 22 16 00-0324	EA	Relay Processor Module (DRP), VSP-102, Vesda® Aspirating Smoke Detection System (Ansul 430483)	572.09	73.98
21 22 16 00-0325	EA	Aspirator, LaserCOMPACT, VSP-501, Vesda® Aspirating Smoke Detection System (Ansul 430486)	825.82	107.19
21 22 16 00-0326	EA	RO-Cable For LaserCOMPACT Relay Only, (RO) Version, VSP-509, Vesda® Aspirating Smoke Detection System (Ansul 430488)	121.67	15.97
21 22 16 00-0327	EA	Miniature Sampling Point, E700-SP, Vesda® Aspirating Smoke Detection System (Ansul 430502)	18.95	3.37

21 22 16 00-0328 Labels And Decals, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0329	EA	Sampling Point Labels, Roll Of 35, E700-SP-DCL-PIPE, Vesda® Aspirating Smoke Detection System (Ansul 430509)	17.25	2.52
21 22 16 00-0330	EA	Round Point Label, Roll Of 50, E700-SP-DCL-PNT, Vesda® Aspirating Smoke Detection System (Ansul 430505)	18.10	2.94
21 22 16 00-0331	EA	Red, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLR, Vesda® Aspirating Smoke Detection System (Ansul 430506)	27.93	3.78
21 22 16 00-0332	EA	Grey, Round, Miniature Sampling Point Label, Sheet Of 12, E700-SPLG, Vesda® Aspirating Smoke Detection System (Ansul 430507)	27.98	3.78
21 22 16 00-0333	EA	Sampling Point Decal, Wrap-Around Style, Roll Of 200, E700-SP-DCL, Vesda® Aspirating Smoke Detection System (Ansul 430508)	101.40	14.29

21 22 16 00-0334 Mounting Hardware, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0335	EA	Remote Mounting Single Box With Escutcheon Only, VKT-000, Vesda® Aspirating Smoke Detection System (Ansul 430456)	250.70	30.27
21 22 16 00-0336	EA	Recessed Mounting Kit For Remote Single Boxes, VSP-012, Vesda® Aspirating Smoke Detection System (Ansul 430472)	337.80	40.35
21 22 16 00-0337	EA	Recessed Mounting Kit For VLP Or VLS Detector, VSP-011, Vesda® Aspirating Smoke Detection System (Ansul 430471)	345.44	44.14
21 22 16 00-0338	EA	Remote 19 Sub Rack With 4 Blank Plates, VSR-0000, Vesda® Aspirating Smoke Detection System (Ansul 430457)	842.66	63.05
21 22 16 00-0339	EA	Sub Rack Enclosure, VRE-100, Vesda® Aspirating Smoke Detection System (Ansul 430445)	1,237.70	138.72

21 22 16 00-0340 Pipe And Fittings, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0341	LF	3/4", Orange Chlorinated Polyvinyl Chloride (CPVC) Pipe, Vesda® Aspirating Smoke Detection System (Ansul 430491)	5.25	1.57
21 22 16 00-0342	EA	3/4", End Cap, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430497)	8.97	3.15
21 22 16 00-0343	EA	3/4", 45 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430494)	24.68	9.44
21 22 16 00-0344	EA	3/4", 90 Degree Elbow, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430493)	25.49	9.44
21 22 16 00-0345	EA	3/4", Coupling, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430495)	17.56	6.29
21 22 16 00-0346	EA	3/4", Union, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430496)	28.28	9.44
21 22 16 00-0347	EA	3/4", Tee, Chlorinated Polyvinyl Chloride (CPVC) Socket Weld, Vesda® Aspirating Smoke Detection System (Ansul 430498)	37.92	14.16
21 22 16 00-0348	EA	3/4" x 1/2" FPT, Tee, Chlorinated Polyvinyl Chloride (CPVC), Vesda® Aspirating Smoke Detection System (Ansul 430499)	47.40	16.62
21 22 16 00-0349	LF	1/2" OD x 3/8" ID, Black Polyethylene Tubing, Vesda® Aspirating Smoke Detection System (Ansul 430500)	4.49	1.52
21 22 16 00-0350	EA	Pipe Adapters, Metric-To-Imperial, VSP-021, Vesda® Aspirating Smoke Detection System (Ansul 430479)	18.00	4.63
21 22 16 00-0351	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Plastic, E700-CAP KIT, Vesda® Aspirating Smoke Detection System (Ansul 430503)	22.08	3.37
21 22 16 00-0352	EA	Capillary Kit, 1 Male 1/2" TH x 1/2" OD, 1 Female 1/2" OD, Brass, Vesda® Aspirating Smoke Detection System (Ansul 430504)	31.68	4.63

21 22 16 00-0353 Remote Termination And Relay Cards, Vesda® Aspirating Smoke Detection System *(21 22 16 00-0266)*

21 22 16 00-0354	EA	VRT-500, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430396) Note: Remote box includes 7 relays for VLP/VLC.	1,447.97	161.42
21 22 16 00-0355	EA	VN, Compact Termination Card, VSP-515, Vesda® Aspirating Smoke Detection System (Ansul 430490)	1,474.94	185.80
21 22 16 00-0356	EA	12-Relay, Remote Termination Card, VSP-208, Vesda® Aspirating Smoke Detection System (Ansul 430485)	892.71	113.50
21 22 16 00-0357	EA	RO, Compact Termination Card, VSP-510, Vesda® Aspirating Smoke Detection System (Ansul 430489)	1,020.11	128.21
21 22 16 00-0358	EA	VRT-501, Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430397) Note: Remote box includes 7 relays for VLS.	1,447.97	161.42

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21 22 16 00-0359	EA	VRT-900 Remote Termination And Relay Proc Card With Blank Plates, Vesda® Aspirating Smoke Detection System (Ansul 430398) Note: Remote box includes 12 relays for VLS.	1,747.73	185.80
21 22 16 00-0360	EA	Remote Termination Card Without Relay, VSP-007, Vesda® Aspirating Smoke Detection System (Ansul 430468)	495.56	57.17
21 22 16 00-0361	EA	Remote Termination Card (RTC7), VSP-008, Vesda® Aspirating Smoke Detection System (Ansul 430469)	745.31	87.43
21 22 16 00-0362	EA	7-Relay, Head Termination Card, VSP-014, Vesda® Aspirating Smoke Detection System (Ansul 430474)	1,402.96	180.76
21 22 16 00-0363	EA	12-Relay, Head Termination Card, VSP-016, Vesda® Aspirating Smoke Detection System (Ansul 430476)	2,058.18	264.82
21 22 16 00-0364		**Preferred® Low Pressure CO2 System** *(21 22 16 00-0001)*		
21 22 16 00-0365		**Manual Pull Stations, Preferred® Low Pressure CO2 System** *(21 22 16 00-0364)*		
21 22 16 00-0366	EA	Addressable, DPST, Dual Action Pull Station, Preferred® Low Pressure CO2 System (Ansul 428658) Note: Excludes FMM-101.	111.09	14.71
21 22 16 00-0367	EA	Weatherproof Backbox For Manual Pull Stations, Preferred® Low Pressure CO2 System (Ansul 428659)	83.10	10.93
21 22 16 00-0368		**Industrial Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0369		**Alarm Devices, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0370	EA	Explosion Proof Alarm Horn, Alarm Devices, Industrial Fire Control System (Ansul 65947)	2,687.33	387.78
21 22 16 00-0371	EA	6", 115 Volt AC Alarm Bell For Release Systems, Alarm Devices, Industrial Fire Control System (Ansul 24751)	82.33	8.91
21 22 16 00-0372	EA	24 Volt AC, Multitone Horn, Alarm Devices, Industrial Fire Control System (Ansul 429697)	81.19	11.56
21 22 16 00-0373	EA	Weatherproof Surface Back Box For Horn And Strobe, Alarm Devices, Industrial Fire Control System (Ansul 429700)	48.36	6.94
21 22 16 00-0374	EA	Semi-Flush Plate, Alarm Devices, Industrial Fire Control System (Ansul 429701)	19.76	2.81
21 22 16 00-0375		**Manual Pull Stations, Industrial Fire Control System** *(21 22 16 00-0368)*		
21 22 16 00-0376	EA	SPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428655)	91.80	12.19
21 22 16 00-0377	EA	DPST, Dual Action Pull Station, Industrial Fire Control System (Ansul 428656)	129.42	17.23
21 22 16 00-0378	EA	Explosion Proof, DPDT, Dual Action Pull Station, Industrial Fire Control System (Ansul 428657)	1,010.40	135.35
21 22 16 00-0379	EA	Surface Mounted Backbox For Manual Pull Stations, Industrial Fire Control System (Ansul 428660)	29.38	3.91
21 22 16 00-0380	EA	Extra Pull Station Labels For Manual Pull Stations, Industrial Fire Control System (Ansul 428654)	13.17	1.74
21 22 16 00-0381		**Marine Fire Control System** *(21 22 16 00-0001)*		
21 22 16 00-0382		**Alarm Devices, Marine Fire Control System** *(21 22 16 00-0381)*		
21 22 16 00-0383	EA	Weatherproof Surface Mount Back Box For Alarm Accessories, Alarm Devices, Marine Fire Control System (Ansul 24747)	53.24	7.06
21 22 16 00-0384	EA	6", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417805)	98.07	13.66
21 22 16 00-0385	EA	10", 24 Volt DC, Alarm Bell, Alarm Devices, Marine Fire Control System (Ansul 417806)	98.07	13.66
21 22 16 00-0386		**FM200 System Equipment** *(21 22 16)*		
21 22 16 00-0387	EA	26 LB Cylinder, Filled, For FM200 Fire Protection system	2,361.91	101.40
21 22 16 00-0388	EA	44 LB Cylinder, Filled, For FM200 Fire Protection system	3,372.71	116.10
21 22 16 00-0389	EA	63 LB Cylinder, Filled, For FM200 Fire Protection system	4,003.13	136.88
21 22 16 00-0390	EA	101 LB Cylinder, Filled, For FM200 Fire Protection system	5,296.96	162.23
21 22 16 00-0391	EA	196 LB Cylinder, Filled, For FM200 Fire Protection system	8,256.92	202.79
21 22 16 00-0392	EA	Electro/Mechanical Release, For FM200 Fire Protection system	601.86	202.79
21 22 16 00-0393	EA	Manual Pull Station, For FM200 Fire Protection system	208.45	67.43
21 22 16 00-0394	EA	Pneumatic Damper Release, For FM200 Fire Protection system	240.43	50.70
21 22 16 00-0395	LB	FM200 Gas	18.76	
21 22 16 00-0396	EA	Master Cylinder, For FM200 Fire Protection system	3,804.33	54.55
21 22 16 00-0397	EA	Shuttle Check Valve, For FM200 Fire Protection system	577.14	76.25
21 22 16 00-0398	EA	Flex Head Cylinder, For FM200 Fire Protection system	577.76	81.73
21 22 16 00-0399	EA	Nozzles, For FM200 Fire Protection system	147.77	28.90
21 22 16 00-0400	EA	Cylinder Support, For FM200 Fire Protection system	182.43	54.55
21 22 16 00-0401	EA	Solenoid Valve, For FM200 Fire Protection system	737.69	81.73
21 22 16 00-0402	EA	Battery Back-Up, For FM200 Fire Protection system	625.10	215.56
21 22 16 00-0403	EA	Control Panel, Single Zone, For FM200 Fire Protection system	2,936.26	404.97
21 22 16 00-0404	EA	Control Panel, Multi Zone, For FM200 Fire Protection system	4,827.75	810.85
21 22 16 00-0405	EA	Smoke Or Heat Detector, For FM200 Fire Protection system	258.15	81.73
21 22 16 00-0406	EA	Annunciator, For FM200 Fire Protection system	2,368.41	306.92
21 22 16 00-0407	EA	Pressure Switch, For FM200 Fire Protection system	277.02	81.73
21 22 16 00-0408	EA	Alarm Horn, For FM200 Fire Protection system	256.33	81.73
21 22 16 00-0409	EA	Testing, For FM200 Fire Protection system	1,105.96	
21 22 16 00-0410	EA	Abort Switch, For FM200 Fire Protection system	168.84	38.02

21 23 Wet-Chemical Fire-Extinguishing Systems *(21 20)*

21 23 16 Wet-Chemical Fire-Extinguishing Equipment *(21 23)*

21 23 16 00-0001		**Kidde Fire Systems** *(21 23 16)* Note: Kidde or equal.		
21 23 16 00-0002		**Cylinders And Hardware** *(21 23 16 00-0001)*		
21 23 16 00-0003	EA	125 Cylinder And Valve Assembly With 1.25 Gallon of Wet Agent	744.73	84.00
21 23 16 00-0004	EA	260 Cylinder And Valve Assembly With 2.6 Gallon Of Wet Agent	857.54	104.63

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0005	EA	400S And M Cylinder And Valve Assembly With 4 Gallon Of Wet Agent	1,051.03	129.09
21 23 16 00-0006	EA	600 And L Cylinder And Valve Assembly With 6 Gallon Of Wet Agent	1,241.29	153.17
21 23 16 00-0007	EA	Discharge Adapter Kit (One Required Per Cylinder)	41.67	4.39
21 23 16 00-0008	EA	System Valve Actuator	150.07	17.46
21 23 16 00-0009	EA	Vent Plug	28.21	3.55
21 23 16 00-0010	EA	Gauge Shield	64.88	9.34
21 23 16 00-0011	EA	125 Cylinder Wall Mounting Bracket	77.42	9.34
21 23 16 00-0012	EA	260 Cylinder Wall Mounting Bracket	82.07	9.89
21 23 16 00-0013	EA	400S And M Cylinder Wall Mounting Bracket	155.95	18.67
21 23 16 00-0014	EA	600 And 400M Cylinder Shelf Bracket	153.95	21.19
21 23 16 00-0015	EA	600 And 400M Cylinder Floor Mounting Kit	189.03	21.24
21 23 16 00-0016	EA	125 And 260 Cylinder Replacement Bracket Strap	26.51	
21 23 16 00-0017	EA	400 And 600 Cylinder Replacement Bracket Strap	27.83	

21 23 16 00-0018 Nozzles And Accessories *(21 23 16 00-0001)*

21 23 16 00-0019	EA	ADP, F, GRW Or R Nozzle	69.46	8.59
21 23 16 00-0020	EA	LPF Or DM Nozzle	75.34	8.59
21 23 16 00-0021	EA	LPR Nozzle	87.43	8.59
21 23 16 00-0022	EA	3/8" Swivel Adapter For Nozzles	52.03	6.07
21 23 16 00-0023	EA	Removal And Replacement Of Nozzle Seals	8.21	
21 23 16 00-0024	EA	Chrome Nozzle Disc Cap	5.06	0.56
21 23 16 00-0025	EA	LPR Nozzle Disc Cap	27.64	8.54

21 23 16 00-0026 Control Systems *(21 23 16 00-0001)*

21 23 16 00-0027	EA	XV Control System Note: Includes (1) SVA, (1) system cartridge, (1) test cartridge, (1) EMT connector kit, (1) SPDT microswitch kit, and (1) SPDT microswitch kit.	786.73	56.01
21 23 16 00-0028	EA	7-1/2" High Pressure Hose (Required for cylinder mounted XV Control System)	68.85	9.34
21 23 16 00-0029	EA	24" High Pressure Hose	80.73	9.34
21 23 16 00-0030	EA	60" High Pressure Hose	107.14	9.34
21 23 16 00-0031	EA	XV Solenoid Kit (Electric Actuator), 24 Volt DC	157.49	18.67
21 23 16 00-0032	EA	XV Microswitch Kit, SPDT	53.20	8.77
21 23 16 00-0033	EA	XV Microswitch Kit, SPDT, Terminal Type, For Alarm/Release	57.16	8.77
21 23 16 00-0034	EA	EMT Connector Kit (EMT Connector And O-Ring)	24.56	7.00
21 23 16 00-0035	EA	KRS-50 Control Box Assembly Note: Includes (1) SVA, (2) CO2 cartridges, (2) set screws, (1) grommet, (1) cover label, and (1) exhaust fan caution label.	444.68	36.17
21 23 16 00-0036	EA	SPDT Microswitch For KRS-50	72.73	8.77
21 23 16 00-0037	EA	DPDT Microswitch For KRS-50	131.46	15.22
21 23 16 00-0038	EA	SPDT Pressure Switch (Fire Department Tie-In)	404.11	48.82

21 23 16 00-0039 Mechanical Actuation Components *(21 23 16 00-0001)*

21 23 16 00-0040	EA	Universal Detector Link Housing Kit, Mechanical Actuation Systems Note: Includes (1) bracket (11-3/4"), (2) "S" hook, and (2) cable crimp sleeves.	47.97	14.00
21 23 16 00-0041	EA	XV Low Profile Link Detector Housing Kit Note: Includes (1) bracket, (2) 1/2" EMT connectors, (4) cable crimp sleeves, and (1) S hook.	62.33	14.00
21 23 16 00-0042	EA	XV Or KRS-50 Remote Manual Release, Combination Pull-To-Trip/Release-To-Trip	155.99	9.34
21 23 16 00-0043	EA	XV Remote Manual Release, Pull-To-Trip	120.34	9.34
21 23 16 00-0044	EA	Corner Pulley, Mechanical Actuation Systems	20.30	2.52
21 23 16 00-0045	EA	Double Tee Pulley, Mechanical Actuation Systems	276.22	15.40
21 23 16 00-0046	EA	In-Line Tee Pulley, Mechanical Actuation Systems	33.99	4.10
21 23 16 00-0047	EA	Corner Pulley / Quik-Seal Adapter Combination	63.48	4.67
21 23 16 00-0048	LF	1/16" Cable, Mechanical Actuation Systems	2.23	0.94
21 23 16 00-0049	EA	Cable Clamp	8.86	0.46
21 23 16 00-0050	EA	Cable Crimp Sleeve, Mechanical Actuation Systems	1.39	0.37
21 23 16 00-0051	EA	"S" Hook, Mechanical Actuation Systems	1.34	0.37
21 23 16 00-0052	EA	1/2" EMT x 3/8" NPT Adapter, Mechanical Actuation Systems	72.52	8.68

21 23 16 00-0053 Mechanical Detection Links *(21 23 16 00-0001)*

21 23 16 00-0054	EA	KGS Standard Response Link	16.15	4.67
21 23 16 00-0055	EA	KGS Rapid Response Link	22.96	4.67
21 23 16 00-0056	EA	KFA Type "A" Fusible Link	19.91	4.67
21 23 16 00-0057	EA	KML Type "ML" Fusible Link	18.58	4.67
21 23 16 00-0058	EA	500 Degree, KML Type "ML" Fusible Link	26.51	4.67

21 23 16 00-0059 Gas Valves *(21 23 16 00-0001)*

21 23 16 00-0060	EA	3/4" NPT Mechanical Cable Operated Gas Shut-off Valve	323.35	20.16
21 23 16 00-0061	EA	1" NPT Mechanical Cable Operated Gas Shut-off Valve	352.70	24.83
21 23 16 00-0062	EA	1-1/4" NPT Mechanical Cable Operated Gas Shut-off Valve	405.75	31.36
21 23 16 00-0063	EA	1-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	445.65	36.12
21 23 16 00-0064	EA	2" NPT Mechanical Cable Operated Gas Shut-off Valve	482.26	42.66
21 23 16 00-0065	EA	2-1/2" NPT Mechanical Cable Operated Gas Shut-off Valve	797.64	62.35
21 23 16 00-0066	EA	3" NPT Mechanical Cable Operated Gas Shut-off Valve	891.32	72.15
21 23 16 00-0067	EA	Pneumatic Release (Single Unit)	367.27	22.77
21 23 16 00-0068	EA	Removal And Replacement Of Cable Block And Set Screw Assembly For Gas Valve	43.05	
21 23 16 00-0069	EA	1/2" Electric Solenoid Gas Shut-off Valve	336.99	18.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0070	EA	3/4" Electric Solenoid Gas Shut-off Valve	339.80	20.16
21 23 16 00-0071	EA	1" Electric Solenoid Gas Shut-off Valve	523.00	24.83
21 23 16 00-0072	EA	1-1/4" Electric Solenoid Gas Shut-off Valve	554.92	31.36
21 23 16 00-0073	EA	1-1/2" Electric Solenoid Gas Shut-off Valve	637.09	36.12
21 23 16 00-0074	EA	2" Electric Solenoid Gas Shut-off Valve	818.17	42.66
21 23 16 00-0075	EA	2-1/2" Electric Solenoid Gas Shut-off Valve	1,350.83	62.35
21 23 16 00-0076	EA	3" Electric Solenoid Gas Shut-off Valve	1,695.85	72.15
21 23 16 00-0077	EA	Manual Reset Relay	475.39	93.80

21 23 16 00-0078 Liquid Tight Sealing Adapters *(21 23 16 00-0001)*

21 23 16 00-0079	EA	3/8" Tubing, Compression Seal Adapter	37.19	3.92
21 23 16 00-0080	EA	1/2" Tubing, 1/4" Pipe, Compression Seal Adapter	36.71	4.30
21 23 16 00-0081	EA	5/8" Tubing, 3/8" Pipe, Compression Seal Adapter	43.13	5.13
21 23 16 00-0082	EA	3/4" Tubing, 1/2" Pipe, Compression Seal Adapter	49.70	5.51
21 23 16 00-0083	EA	1/2" Electrical Metallic Tubing (EMT), Compression Seal Adapter	43.13	5.13
21 23 16 00-0084	EA	3/8" NPT Female, Quik-Seal Adapter	36.71	4.30
21 23 16 00-0085	EA	1/2" NPT Female, Quik-Seal Adapter	36.71	4.30
21 23 16 00-0086	EA	3/4" NPT Female, Quik-Seal Adapter	60.34	7.28
21 23 16 00-0087	EA	1" NPT Female, Quik-Seal Adapter	80.32	9.61
21 23 16 00-0088	EA	Quik-Patch For Hole Patching Up To 1-1/8" Diameter	36.71	

21 23 16 00-0089 Pressure Operated Releasing Systems *(21 23 16 00-0001)*

21 23 16 00-0090	EA	KRS-100 Nitrogen Cylinder	266.58	28.19
21 23 16 00-0091	EA	KRS-100 Actuator Assembly	239.52	28.75
21 23 16 00-0092	EA	KRS-100 Mounting Bracket	185.58	7.09
21 23 16 00-0093	EA	KRS-700S Nitrogen Cylinder	687.56	81.30
21 23 16 00-0094	EA	KRS-700 Mounting Bracket	146.37	17.37
21 23 16 00-0095	EA	KRS-700S Discharge Adapter Kit	220.20	17.37
21 23 16 00-0096	EA	Check Valve, Pressure Operated Releasing Systems	217.23	12.32
21 23 16 00-0097	EA	Vent Check, Pressure Operated Releasing Systems	67.44	7.84
21 23 16 00-0098	EA	Removal And Replacement Of Receiver Gasket For KRS-100 Actuator Assembly	8.88	
21 23 16 00-0099	EA	3 Pole, Double Throw Pressure Switch	551.14	65.34

21 23 16 00-0100 Pyro-Chem Kitchen Fire Suppression Systems *(21 23 16)*

21 23 16 00-0101 Cylinders, Kitchen Fire Suppression Systems *(21 23 16 00-0100)*

21 23 16 00-0102	EA	3.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551194)	604.94	66.27
21 23 16 00-0103	EA	4.6 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551193)	871.42	95.49
21 23 16 00-0104	EA	6.0 Gallon Agent Cylinder With Valve, Kitchen Fire Suppression Systems (Pyro-Chem 551196)	1,146.70	130.58
21 23 16 00-0105	EA	Cylinder Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550053)	124.87	15.59
21 23 16 00-0106	EA	Enclosure With Mechanical Control Unit, Kitchen Fire Suppression Systems (Pyro-Chem 551208)	821.88	101.92
21 23 16 00-0107	EA	Enclosure For Secondary Cylinders, Kitchen Fire Suppression Systems (Pyro-Chem 550966)	501.81	62.16

21 23 16 00-0108 Fusible Links, Kitchen Fire Suppression Systems *(21 23 16 00-0100)*

21 23 16 00-0109	EA	165 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551522)	16.20	2.06
21 23 16 00-0110	EA	212 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551523)	16.20	2.06
21 23 16 00-0111	EA	280 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551524)	16.57	2.06
21 23 16 00-0112	EA	360 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551525)	16.20	2.06
21 23 16 00-0113	EA	450 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551526)	16.20	2.06
21 23 16 00-0114	EA	500 Fahrenheit, Fusible Link, Kitchen Fire Suppression Systems (Pyro-Chem 551527)	17.54	2.06
21 23 16 00-0115	EA	Fusible Link Kit With 10" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550131)	28.07	3.45
21 23 16 00-0116	EA	Fusible Link Kit With 8" Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550132)	36.46	4.58
21 23 16 00-0117	EA	Fusible Link Hanger, Kitchen Fire Suppression Systems (Pyro-Chem 550876)	52.90	23.62
21 23 16 00-0118	EA	225 To 600 Fahrenheit, Electrical Thermal Detector, Kitchen Fire Suppression Systems (Pyro-Chem 13970-6)	354.73	52.55

21 23 16 00-0119 Gas Valves, Kitchen Fire Suppression Systems *(21 23 16 00-0100)*

21 23 16 00-0120	EA	3/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550593)	285.41	20.16
21 23 16 00-0121	EA	1" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550594)	325.95	24.83
21 23 16 00-0122	EA	1-1/4" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550595)	353.92	31.36
21 23 16 00-0123	EA	1-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550596)	390.03	36.03
21 23 16 00-0124	EA	2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 551049)	449.18	42.57
21 23 16 00-0125	EA	2-1/2" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550185)	1,029.33	62.26
21 23 16 00-0126	EA	3" Mechanical Gas Valve, Direct Cable Hookup, Kitchen Fire Suppression Systems (Pyro-Chem 550186)	1,100.98	72.06
21 23 16 00-0127	EA	3/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550358)	225.96	20.16
21 23 16 00-0128	EA	1" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550359)	380.94	24.83
21 23 16 00-0129	EA	1-1/4" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550360)	399.98	31.36
21 23 16 00-0130	EA	1-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550361)	455.40	36.03
21 23 16 00-0131	EA	2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550362)	627.49	42.57
21 23 16 00-0132	EA	2-1/2" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550363)	1,204.65	62.26
21 23 16 00-0133	EA	3" Electrical Gas Valve, Kitchen Fire Suppression Systems (Pyro-Chem 17643)	1,273.35	72.06

21 23 16 00-0134 Nozzles, Kitchen Fire Suppression Systems *(21 23 16 00-0100)*

21 23 16 00-0135	EA	Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	57.97	6.91
21 23 16 00-0136	EA	Swivel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	81.85	8.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0137	EA	Stainless Steel Nozzle, Kitchen Fire Suppression Systems (Pyro-Chem)	304.66	8.77
21 23 16 00-0138		**Actuating Cylinders/Cartridges, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0139	EA	Carbon Dioxide Actuation Cartridge, Kitchen Fire Suppression Systems (Pyro-Chem 551059)	21.46	2.70
21 23 16 00-0140	EA	PAC-10, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550104)	702.84	87.64
21 23 16 00-0141	EA	PAC-200, Pneumatic Actuating Cylinder, Kitchen Fire Suppression Systems (Pyro-Chem 550690)	895.76	112.10
21 23 16 00-0142		**Circuit Monitors, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0143	EA	24 Volt DC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550303)	459.47	57.40
21 23 16 00-0144	EA	120 Volt AC, System Circuit Monitor/Gas Valve Reset Relay, Kitchen Fire Suppression Systems (Pyro-Chem 550302)	554.38	69.17
21 23 16 00-0145		**Control Heads, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0146	EA	Mechanical Control Head, No Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551203)	506.93	63.28
21 23 16 00-0147	EA	Mechanical Control Head With Local Action, Kitchen Fire Suppression Systems (Pyro-Chem 551200)	529.16	66.17
21 23 16 00-0148	EA	24 Volt DC, Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551201)	689.19	86.06
21 23 16 00-0149	EA	120 Volt AC Electrical Control Head With Local Actuation, Kitchen Fire Suppression Systems (Pyro-Chem 551202)	790.72	98.94
21 23 16 00-0150	EA	Control Head Mounting Bracket, Kitchen Fire Suppression Systems (Pyro-Chem 550853)	64.22	8.03
21 23 16 00-0151		**Corner Pulleys/Tees, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0152	EA	Set Screw Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 415670)	15.76	1.31
21 23 16 00-0153	EA	Compression Type, Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 423250)	16.35	1.68
21 23 16 00-0154	EA	Tee Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550166)	51.49	6.44
21 23 16 00-0155	EA	Removal And Replacement Of Screw For Corner Pulley, Kitchen Fire Suppression Systems (Pyro-Chem 550272)	0.68	
21 23 16 00-0156		**Switches, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0157	EA	SPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550227)	56.00	7.00
21 23 16 00-0158	EA	DPDT Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550237)	112.13	13.91
21 23 16 00-0159	EA	Four Pole Double Throw Switch, Kitchen Fire Suppression Systems (Pyro-Chem 550978)	237.30	29.50
21 23 16 00-0160		**Wire Rope/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0161	LF	1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 15821)	1.19	0.28
21 23 16 00-0162	EA	Crimps For 1/16" Diameter Stainless Steel Wire Rope, Kitchen Fire Suppression Systems (Pyro-Chem 550122)	0.75	0.28
21 23 16 00-0163	EA	High Temperature Stainless Steel Crimps, Kitchen Fire Suppression Systems (Pyro-Chem 551551)	2.78	0.37
21 23 16 00-0164	EA	"S" Hooks, Kitchen Fire Suppression Systems (Pyro-Chem 550121)	0.52	
21 23 16 00-0165		**Replacement Parts, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0166	EA	Wet Valve Rebuilding Kit, Kitchen Fire Suppression Systems (Pyro-Chem 550698)	53.23	6.72
21 23 16 00-0167	EA	Wet Valve Cap With Schrader Valve, Kitchen Fire Suppression Systems (Pyro-Chem 550831)	55.56	7.00
21 23 16 00-0168	EA	Wet Spring, Kitchen Fire Suppression Systems (Pyro-Chem 550705)	6.51	0.84
21 23 16 00-0169	EA	225 psi, Wet Gage, Kitchen Fire Suppression Systems (Pyro-Chem 551236)	76.19	9.15
21 23 16 00-0170	EA	Wet Valve O-ring, Kitchen Fire Suppression Systems (Pyro-Chem 550716)	10.70	1.31
21 23 16 00-0171	EA	Wet Piston, Kitchen Fire Suppression Systems (Pyro-Chem 550707)	14.90	1.87
21 23 16 00-0172	EA	Wet Piston O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 550715)	6.51	0.84
21 23 16 00-0173	EA	Wet Nozzle Cap, Kitchen Fire Suppression Systems (Pyro-Chem 551528)	9.18	1.12
21 23 16 00-0174	EA	Wet Nozzle Strainer, Kitchen Fire Suppression Systems (Pyro-Chem 551529)	8.97	1.12
21 23 16 00-0175	EA	Wet Nozzle Cap O-Ring, Kitchen Fire Suppression Systems (Pyro-Chem 551530)	2.57	0.28
21 23 16 00-0176	EA	Removal And Replacement Of Teflon Washer For Control Head Actuator, Kitchen Fire Suppression Systems (Pyro-Chem 550257)	4.33	
21 23 16 00-0177	EA	O-Ring Lubrication, Kitchen Fire Suppression Systems (Pyro-Chem 550063)	83.01	
21 23 16 00-0178	EA	3.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 551024)	561.17	
21 23 16 00-0179	EA	4.6 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550902)	730.63	
21 23 16 00-0180	EA	6.0 Gallon Empty Test Tank, Kitchen Fire Suppression Systems (Pyro-Chem 550901)	844.93	
21 23 16 00-0181		**Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0182	EA	3/8" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550857)	26.04	3.18
21 23 16 00-0183	EA	1/2" Quickseal Adapter, Kitchen Fire Suppression Systems (Pyro-Chem 550859)	26.99	3.36
21 23 16 00-0184	EA	Wet Valve Tool, Kitchen Fire Suppression Systems (Pyro-Chem 550788)	51.95	6.44
21 23 16 00-0185	EA	Recharge Adapter Kit, Kitchen Fire Suppression Systems (Pyro-Chem 551240)	73.51	
21 23 16 00-0186	EA	3.0 Gallon Of Wet Chemical For Recharge, Kitchen Fire Suppression Systems (Pyro-Chem 551188)	158.00	
21 23 16 00-0187		**Pull Stations/Accessories, Kitchen Fire Suppression Systems** *(21 23 16 00-0100)*		
21 23 16 00-0188	EA	Mechanical, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551074)	105.02	13.16
21 23 16 00-0189	EA	Electric, Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 551166)	114.27	18.48
21 23 16 00-0190	EA	Trim Ring For Flush Mounting Remote Pull Station, Kitchen Fire Suppression Systems (Pyro-Chem 550088)	28.07	3.45
21 23 16 00-0191	EA	Glass Rods For Pull Stations, Kitchen Fire Suppression Systems (Pyro-Chem 428661)	4.06	1.21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 23 16 00-0192		**Asco Gas Valve Control Panels** *(21 23 16)*		
21 23 16 00-0193	EA	Relay Control Panel For AC Solenoid Valves (Asco 108D90C)	1,716.86	205.35
21 23 16 00-0194	EA	Relay Control Panel For DC Solenoid Valves (Asco 108D10C)	1,771.08	205.35
21 23 16 00-0195	EA	Master Control Station For Relay Control Panel For DC Solenoid Valves (Asco 216C89)	567.68	46.67
21 23 16 00-0196	EA	Emergency Stop Station For Relay Control Panel (Asco 173A19)	532.25	46.67

21 24 Dry-Chemical Fire-Extinguishing Systems *(21 20)*

21 24 16 Dry-Chemical Fire-Extinguishing Equipment *(21 24)*

21 24 16 00-0001		**Amerex KP Restaurant Fire Suppression Systems** *(21 24 16)*		
		Note: Amerex or equal.		
21 24 16 00-0002	EA	3.75 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	470.12	72.44
21 24 16 00-0003	EA	6 Gallon, Charged, Agent Cylinder Assembly With Discharge Valve	652.35	91.31
21 24 16 00-0004	EA	Recharge - KP Liquid Agent (3.75 Gallon)	154.93	
21 24 16 00-0005	EA	Recharge - KP Liquid Agent (6 Gallon)	272.35	
21 24 16 00-0006	EA	3.75 Gallon, Bracket Assembly Agent Cylinder With Distribution Hose Assembly And Distribution Outlet	108.45	15.20
21 24 16 00-0007	EA	6 Gallon, Bracket Assembly Agent Cylinder	63.17	8.82
21 24 16 00-0008	EA	6 Gallon, 3/4 NPT, Agent Cylinder Discharge Adapter Kit	27.40	
21 24 16 00-0009	EA	6 Gallon, Pneumatic Actuator, Agent Cylinder	108.45	15.20
21 24 16 00-0010	EA	MRM Actuator (Less N2 Cylinder And Enclosure)	272.35	38.11
21 24 16 00-0011	EA	Painted Steel, MRM Enclosure	145.15	20.27
21 24 16 00-0012	EA	Stainless Steel, MRM Enclosure	175.69	20.27
21 24 16 00-0013	EA	Stainless Steel, Single Cylinder System Cabinet	432.18	60.50
21 24 16 00-0014	EA	N2 - 1/4" x 16" Actuation Hose	32.62	4.56
21 24 16 00-0015	EA	10 CU. Inch, Nitrogen Cylinder	145.15	20.27
		Note: Use For 1-10 Agent Cylinders		
21 24 16 00-0016	EA	Vent Check	26.09	3.65
21 24 16 00-0017	EA	Detector	19.56	2.74
		Note: Includes bracket, linkage and conduit fittings.		
21 24 16 00-0018	EA	280 To 450 Degree F, Fusible Link	7.35	1.02
21 24 16 00-0019	EA	Test Link	2.59	
21 24 16 00-0020	EA	Corner Pulley	10.11	1.42
21 24 16 00-0021	EA	1/16", 500 Foot Spool, Cable	163.08	22.80
21 24 16 00-0022	EA	Pulley Tee	73.38	10.24
21 24 16 00-0023	EA	Manual Pull Station (Standard)	65.23	9.12
21 24 16 00-0024	EA	Manual Pull Station, Adapter Kit (Recess Standard Pull Station)	30.60	4.25
21 24 16 00-0025	EA	Manual Pull Station (Oversized)	72.73	10.14
21 24 16 00-0026	EA	Conduit Offset	14.51	2.03
21 24 16 00-0027	EA	3/8" Pipe Thread, Seal (Quick-Seal)	20.00	2.84
21 24 16 00-0028	EA	1/2" Pipe Thread, Seal (Quick-Seal	16.31	2.33
21 24 16 00-0029	EA	3/8" Pipe Compression Seal	27.23	3.85
21 24 16 00-0030	EA	1/2" Pipe Compression Seal	27.23	3.85
21 24 16 00-0031	EA	Cap, Nozzle Blow-Off (Standard)	8.19	2.63
21 24 16 00-0032	EA	Cap, Nozzle Blow-Off (High Temperature)	18.17	2.63
21 24 16 00-0033	EA	2 Flow Points, Fryer/Griddle Nozzle	32.61	4.56
21 24 16 00-0034	EA	1 Flow Point Each, Appliance, Plenum Nozzle	32.61	4.56
21 24 16 00-0035	EA	Nozzle - Solid Fuel Charbroiler - 1 To 1-1/2 Flow Points Each	32.61	4.56
21 24 16 00-0036	EA	1/2 Flow Points Each, Upright Charbroiler Nozzle	32.61	4.56
21 24 16 00-0037	EA	2 Flow Points Each, Duct (Only) Nozzle	32.61	4.56
21 24 16 00-0038	EA	2 Flow Points Each, Four Burner Range Nozzle	46.91	6.59
21 24 16 00-0039	EA	3/4" Or 1" Mechanical Gas Valve	256.90	26.86
21 24 16 00-0040	EA	1-1/4" Or 1-1/2" Mechanical Gas Valve	304.72	39.01
21 24 16 00-0041	EA	2" Mechanical Gas Valve	378.81	46.11
21 24 16 00-0042	EA	Manual Reset Relay (Required With Every Electric Gas Valve)	410.96	57.46
21 24 16 00-0043	EA	SPDT Microswitch With 18" Leads	21.63	3.04
21 24 16 00-0044	EA	Kit Gas Valve Actuator For Use With ASCO Mechanical Gas Valve	34.90	4.87
21 24 16 00-0045	EA	Gas Valve Trip Assembly	73.38	10.24
21 24 16 00-0046		**Range Guard Fire Suppression Systems** *(21 24 16)*		
		Note: Range Guard or equal.		
21 24 16 00-0047	EA	1-1/4 Gallon Charged Cylinder With Valve	499.53	78.31
21 24 16 00-0048	EA	2-1/2 Gallon Charged Cylinder With Valve	623.56	97.73
21 24 16 00-0049	EA	4 Gallon Charged Cylinder With Valve	769.81	120.69
21 24 16 00-0050	EA	6 Gallon Charged Cylinder With Valve	914.37	143.28
21 24 16 00-0051	EA	Vent Plug	20.99	3.27
21 24 16 00-0052	EA	Discharge Adapter Kit	27.03	
21 24 16 00-0053	EA	1-1/4 Gallon Wall Bracket	55.60	8.68
21 24 16 00-0054	EA	2-1/2 Gallon Wall Bracket	58.84	9.24
21 24 16 00-0055	EA	4 Gallon Wall Bracket	111.13	17.46
21 24 16 00-0056	EA	6 Gallon Wall Bracket	123.16	19.32
21 24 16 00-0057	EA	Mechanical Control Head, No Microswitch	434.52	68.14
21 24 16 00-0058	EA	Mechanical Control Head, 1 Microswitch	453.34	71.03
21 24 16 00-0059	EA	Mechanical Control Head, 2 Microswitches	520.06	81.48
21 24 16 00-0060	EA	Tandem Control Head	395.18	61.98
21 24 16 00-0061	EA	Electric Control Head, 120 Volt AC / 24 Volt DC	668.88	104.82
21 24 16 00-0062	EA	Mechanical Control Box	297.66	46.67
21 24 16 00-0063	EA	Tandem Control Box	297.66	46.67
21 24 16 00-0064	EA	Mechanical Control Box Adapter	87.25	13.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0065	EA	A+ Control head With 1 Pressure Operated Actuator	262.19	41.07
21 24 16 00-0066	EA	Pressure Operated Actuator	107.77	16.89
21 24 16 00-0067	EA	BMCS-1 Nitrogen Cylinder	174.50	27.35
21 24 16 00-0068	EA	BMCS-1 Actuator Assembly	177.92	27.91
21 24 16 00-0069	EA	BMCS-1 Mounting Bracket	43.62	6.82
21 24 16 00-0070	EA	BMCS-7 Nitrogen Cylinder	503.49	78.87
21 24 16 00-0071	EA	BMCS-7 Mounting Bracket	107.77	16.89
21 24 16 00-0072	EA	BMCS-7 Discharge Adapter Kit	107.77	16.89
21 24 16 00-0073	EA	Check Valve	92.33	20.07
21 24 16 00-0074	EA	Vent Check For Use With BMCS Systems	48.75	7.65
21 24 16 00-0075	EA	Check Valve, (Schrader Flare Fitting) For Pressure Operated Actuator	21.21	3.33
21 24 16 00-0076	EA	Removal And Replacement Of Receiver Gasket For BMCS-Actuator Assembly	5.58	
21 24 16 00-0077	EA	Pneumatic Control Head For Slave Cylinders	111.19	17.46
21 24 16 00-0078	EA	Nozzles; ADP, F, R And GRW	50.98	8.03
21 24 16 00-0079	EA	Nozzles; DM And LPF	56.79	8.86
21 24 16 00-0080	EA	Swivel Adapter	35.92	5.60
21 24 16 00-0081	EA	Corner Pulley	15.40	2.43
21 24 16 00-0082	LF	1/16" Stainless Steel Cable	0.72	0.28
21 24 16 00-0083	EA	Cable Crimp Sleeve	0.86	0.28
21 24 16 00-0084	EA	"S" Hook	0.66	0.19
21 24 16 00-0085	EA	Electrical Metallic Tubing (EMT) Adapter, 1/2" Electrical Metallic Tubing (EMT) x 3/8" NPT	53.01	8.31
21 24 16 00-0086	EA	Cable Clamp	4.73	0.75
21 24 16 00-0087	EA	Nico Sleeves - 1/16" Cable	0.67	0.19
21 24 16 00-0088	EA	3/8" Cable Anchor	56.02	8.77
21 24 16 00-0089	EA	1/2" Cable Anchor	56.02	8.77
21 24 16 00-0090	EA	Mechanical Remote Manual Release (Pull Cable)	90.62	14.19
21 24 16 00-0091	EA	Tee Pulley, Use For Mechanical Pull And Gas Valve	96.71	15.12
21 24 16 00-0092	EA	Surface Remote Manual Release, End-of-line	113.30	17.74
21 24 16 00-0093	EA	Surface Remote Manual Release, In line Conservation Kit	35.50	5.60
21 24 16 00-0094	EA	Surface Remote Manual Release, In line And End Of Line	148.74	23.24
21 24 16 00-0095	EA	Recessed Remote Manual Release, End-of-line	113.30	17.74
21 24 16 00-0096	EA	Recessed Remote Manual Release, In Line Kit	135.07	21.19
21 24 16 00-0097	EA	Pulley Tee, Remote In Line Only	24.28	3.82
21 24 16 00-0098	EA	Fusible Link Housing Kit With 1 - Bracket, 2 - 1/2" Electrical Metallic Tubing (EMT) Connector, 1 - "S" Hook, 8 - Cable Crimp Sleeve	26.96	4.21
21 24 16 00-0099	EA	Fusible Link 165F To 360F	8.83	1.40
21 24 16 00-0100	EA	Fusible Link 500F	13.70	1.40
21 24 16 00-0101	EA	Standard Detector With 1 - 360F link, 2 - "S" Hooks, 2 - Crimp Sleeves	26.96	4.21
21 24 16 00-0102	EA	Standard Detector Kit With 1 - Large Bracket, 2 - "S" Hooks, 2 - Cable Crimp Sleeve	20.20	4.21
21 24 16 00-0103	EA	Quartzoid Link 400 F	145.32	22.77
21 24 16 00-0104	EA	Quartzoid Link 500 F	145.32	22.77
21 24 16 00-0105	EA	SPDT Micro Switch For Use With A Plus Control Box	52.09	8.12
21 24 16 00-0106	EA	DPDT Micro Switch For Use With A Plus Control Box	90.62	14.19
21 24 16 00-0107	EA	SPDT Micro Switch For Use With A Mechanical Control Box	53.86	8.40
21 24 16 00-0108	EA	DPDT Micro Switch For Use With A Mechanical Control Box	93.34	14.65
21 24 16 00-0109	EA	SPDT Micro Switch For Use With PRCB	68.39	10.73
21 24 16 00-0110	EA	DPDT Micro Switch For Use With PRCB	98.65	15.40
21 24 16 00-0111	EA	Pressure Switch, SPDT (Fire Dept. Tie In)	288.94	45.27
21 24 16 00-0112	EA	Circuit Monitor 12 Or 24 Volt DC	129.93	20.35
21 24 16 00-0113	EA	Circuit Monitor 120 Volt AC	129.93	20.35
21 24 16 00-0114	EA	Electric Manual Pull Station	94.89	14.84
21 24 16 00-0115	EA	6", 24 Volt DC, Motor Bell	53.00	8.31
21 24 16 00-0116	EA	10", 115 Volt AC Motor Bell	75.23	11.76
21 24 16 00-0117	EA	Fuse, 1.2 For ECH	6.10	0.94
21 24 16 00-0118	EA	Indicator Lamp 12 Or 24 Volt DC	26.96	4.21
21 24 16 00-0119	EA	Indicator Lamp 120 Volt AC	26.96	4.21
21 24 16 00-0120	EA	B-10 Manual Station Dual Action, SPDT	99.16	15.49
21 24 16 00-0121	EA	B-11 Manual Station Dual Action, DPDT	109.43	17.17
21 24 16 00-0122	EA	Break Rods For B10/B11 Manual Pull Station	3.12	1.21
21 24 16 00-0123	EA	Spare Key For B10/B11 Manual Stations	13.69	2.15
21 24 16 00-0124	EA	MT-24-LSM-VAR Multitone Signal With 15/75cd Strobe, 24 Volt, Flush Grill	147.03	23.05
21 24 16 00-0125	EA	Suppression Abort Station	155.59	24.36
21 24 16 00-0126	EA	Suppression Abort Station With Surface Mount Back Box	181.23	28.38
21 24 16 00-0127	EA	Surface Mount Back Box	59.85	9.34
21 24 16 00-0128	EA	Single Hazard Control Unit, 120 Volt AC IP	1,111.29	173.89
21 24 16 00-0129	EA	Single Hazard Control Unit, 240 Volt AC IP	1,111.29	173.89
21 24 16 00-0130	EA	1 Lead Acid Battery; 24 Volt DC, 1.2 A.H.	92.32	14.47
21 24 16 00-0131	EA	Accessory Kit - End-of-line Resistors (10K Ohms, 1/2 W)	3.59	0.66
21 24 16 00-0132	EA	Spare Scorpio Circuit Board	803.50	
21 24 16 00-0133	EA	Extra Scorpio Key	13.68	
21 24 16 00-0134	EA	Extra Scorpio Manual	8.54	
21 24 16 00-0135	EA	Compression Seal Adapter 3/8" Pipe	23.25	3.64
21 24 16 00-0136	EA	Compression Seal Adapter 1/2" Tubing/ 1/4" Pipe	25.24	3.92
21 24 16 00-0137	EA	Compression Seal Adapter 5/8" Tubing/ 3/8" Pipe	30.37	4.76
21 24 16 00-0138	EA	Compression Seal Adapter 3/4" Tubing/ 1/2" Pipe	32.48	5.04
21 24 16 00-0139	EA	Quik Seal Adapter 3/8" NPT Female	25.24	3.92
21 24 16 00-0140	EA	Quik Seal Adapter 1/2" NPT Female	25.24	3.92
21 24 16 00-0141	EA	Quik Seal Adapter 3/4" NPT Female	43.19	6.82
21 24 16 00-0142	EA	Quik Seal Adapter 1" NPT Female	57.27	8.96
21 24 16 00-0143	EA	Quik Patch (Up To 1-1/8" Diameter)	25.24	3.92
21 24 16 00-0144	EA	1-1/4 Gallon Karbaloy Charge	56.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
21 24 16 00-0145	EA	2-1/2 Gallon Karbaloy Charge	96.59	
21 24 16 00-0146	EA	4 Gallon Karbaloy Charge	145.99	
21 24 16 00-0147	EA	6 Gallon Karbaloy Charge	213.63	
21 24 16 00-0148	EA	Inlet Flushing Adapter	41.89	6.53
21 24 16 00-0149	EA	1/2" Flushing Adapter (Outlet)	41.89	6.53
21 24 16 00-0150	EA	1/8" Flushing Adapter (Outlet)	41.89	6.53
21 24 16 00-0151	EA	1/4" Flushing Adapter (Outlet)	41.89	6.53
21 24 16 00-0152	EA	3/8" Flushing Adapter (Outlet)	41.89	6.53
21 24 16 00-0153	EA	Recharge Adapter (Old Style Cylinder Valve Assembly Only)	58.12	
21 24 16 00-0154	EA	Instruction Label (In Case Of Fire) - MCB	4.70	
21 24 16 00-0155	EA	Caution Sign (Turn On Fan)	5.58	
21 24 16 00-0156	EA	Inspection Label (Authorized installers only)	3.99	
21 24 16 00-0157	EA	Label, Warning, A+ Control Box	2.93	
21 24 16 00-0158	EA	Wet Chemical System Kits, RG-1.25G Kit; #23315	735.12	115.08
21 24 16 00-0159	EA	Wet Chemical System Kits, RG-2.5G Kit; #23316	858.22	134.31
21 24 16 00-0160	EA	Wet Chemical System Kits, RG-4GS Kit; #23317	1,068.52	167.26
21 24 16 00-0161	EA	Wet Chemical System Kits, RG-4GT Kit; #23318	1,068.52	167.26
21 24 16 00-0162	EA	Wet Chemical System Kits, RG-6G Kit; #23319	1,343.76	210.29
21 24 16 00-0163	EA	Wet Chemical System Kits, RG Mechanical Control HD (MCH) Kit; #23320	636.83	99.68
21 24 16 00-0164	EA	Wet Chemical System Kits, RG Mechanical Control Box (MCB) Kit; #23321	598.36	93.62
21 24 16 00-0165	EA	Wet Chemical System Kits, A Plus Control Box Kit; #23322	483.81	75.69
21 24 16 00-0166	EA	Wet Chemical System Kits, Valve Rebuild Kit; #23210	837.69	131.14
21 24 16 00-0167	EA	Wet Chemical System Kits, BMCS-1 Package; #23208	767.59	120.12

21 30 Fire Pumps *(21)*

21 31 Centrifugal Fire Pumps *(21 30)*

21 31 13 Electric-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 13 00-0001 Electric-Drive Fire Pumps *(21 31 13)*

Note: Includes fire pump, motor, motor starter, alarm panel, automatic transfer switch, and controller.

21 31 13 00-0002	EA	20 HP Electric Fire Pump	39,320.03	1,831.28
		For Duplex Pumping System, Add	*37,488.76*	
21 31 13 00-0003	EA	30 HP Electric Fire Pump	45,785.21	2,060.18
		For Duplex Pumping System, Add	*43,877.64*	
21 31 13 00-0004	EA	40 HP Electric Fire Pump	62,246.45	2,289.09
		For Duplex Pumping System, Add	*60,126.93*	
21 31 13 00-0005	EA	50 HP Electric Fire Pump	76,959.24	2,651.52
		For Duplex Pumping System, Add	*74,307.72*	
21 31 13 00-0006	EA	75 HP Electric Fire Pump	85,886.54	2,892.57
		For Duplex Pumping System, Add	*82,993.97*	

21 31 16 Diesel-Drive, Centrifugal Fire Pumps *(21 31)*

21 31 16 00-0001 Diesel-Drive Fire Pumps *(21 31 16)*

Note: Pumps shall be stand alone units meeting NFPA-20 specs. Includes fire pump, motor, motor starter, alarm panel, and controller.

21 31 16 00-0002	EA	30 HP Diesel Driven Fire Pump, NFPA-20 Specific	57,838.25	2,169.43
21 31 16 00-0003	EA	40 HP Diesel Driven Fire Pump, NFPA-20 Specific	65,412.95	2,410.48
21 31 16 00-0004	EA	50 HP Diesel Driven Fire Pump, NFPA-20 Specific	68,770.82	2,651.52
21 31 16 00-0005	EA	75 HP Diesel Driven Fire Pump, NFPA-20 Specific	78,217.29	2,892.57
21 31 16 00-0006	EA	150 HP Diesel Driven Fire Pump, NFPA-20 Specific	83,125.89	3,374.67
21 31 16 00-0007	EA	175 HP Diesel Driven Fire Pump, NFPA-20 Specific	89,715.66	4,338.86
21 31 16 00-0008	EA	200 HP Diesel Driven Fire Pump, NFPA-20 Specific	97,421.06	4,820.95
21 31 16 00-0009	EA	250 HP Diesel Driven Fire Pump, NFPA-20 Specific	111,392.86	5,495.88
21 31 16 00-0010	EA	300 HP Diesel Driven Fire Pump, NFPA-20 Specific	133,201.43	5,929.77
21 31 16 00-0011	EA	350 HP Diesel Driven Fire Pump , NFPA-20 Specific	156,211.31	6,749.33
21 31 16 00-0012	EA	400 HP Diesel Driven Fire Pump , NFPA-20 Specific	185,144.55	7,231.42
21 31 16 00-0013	EA	500 HP Diesel Driven Fire Pump , NFPA-20 Specific	208,340.39	7,713.52

21 34 Fire Pump Accessories *(21 30)*

21 34 13 Pressure Maintenance Pumps *(21 34)*

21 34 13 00-0001 Jockey Pumps *(21 34 13)*

Note: Includes pump and controller.

21 34 13 00-0002	EA	Up To 3 HP, 1" Pipe Connection, Jockey Pump And Controller	4,155.42	482.10

END OF SECTION 21

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 Plumbing

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise.

22 01 Operation and Maintenance of Plumbing *(22)*

22 01 10 Operation and Maintenance of Plumbing Piping and Pumps *(22 01)*

See CSI section 23 01 20 00-0000 for purging of pipes and shutdown.

22 01 10 61 Plumbing Piping Repairs *(22 01 10)*

22 01 10 61-0001 Pipe Repair Clamps *(22 01 10 61)*

22 01 10 61-0002	EA	1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	31.93
22 01 10 61-0003	EA	3/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	33.45
22 01 10 61-0004	EA	1" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	36.82
22 01 10 61-0005	EA	1-1/4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	39.39
22 01 10 61-0006	EA	1-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	42.86
22 01 10 61-0007	EA	2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	54.85
22 01 10 61-0008	EA	2-1/2" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	70.77
22 01 10 61-0009	EA	3" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	82.90
22 01 10 61-0010	EA	4" Diameter x 3" Stainless Steel Pipe Repair Clamp, Single Bolt Note: Includes neoprene gasket	95.22
22 01 10 61-0011	EA	1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	49.78
22 01 10 61-0012	EA	3/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	52.72
22 01 10 61-0013	EA	1" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	58.38
22 01 10 61-0014	EA	1-1/4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	64.16
22 01 10 61-0015	EA	1-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	70.90
22 01 10 61-0016	EA	2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	91.73
22 01 10 61-0017	EA	2-1/2" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	113.10
22 01 10 61-0018	EA	3" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	129.98
22 01 10 61-0019	EA	4" Diameter x 6" Stainless Steel Pipe Repair Clamp, Double Bolt Note: Includes neoprene gasket	147.84
22 01 10 61-0020	EA	1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	70.14
22 01 10 61-0021	EA	3/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	73.36
22 01 10 61-0022	EA	1" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	81.10
22 01 10 61-0023	EA	1-1/4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	88.96
22 01 10 61-0024	EA	1-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	100.50
22 01 10 61-0025	EA	2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	123.57
22 01 10 61-0026	EA	2-1/2" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	147.70
22 01 10 61-0027	EA	3" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	178.56
22 01 10 61-0028	EA	4" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	218.87
22 01 10 61-0029	EA	5" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	225.10
22 01 10 61-0030	EA	6" Diameter x 9" Stainless Steel Pipe Repair Clamp, Three Bolt Note: Includes Buna rubber gasket	241.01

22 01 40 Operation and Maintenance of Plumbing Fixtures *(22 01)*

22 01 40 81 Plumbing Fixtures Replacement *(22 01 40)*

22 01 40 81-0001 Fixture And/Or Trim Replacement *(22 01 40 81)*

Note: Includes removal of existing item(s) and installation of new item(s).

22 01 40 81-0002	EA	3/8" To 1/2" Compression Shut-off Valve Replacement With 15" Polybutylene Supply Tube	53.43
22 01 40 81-0003	EA	3/8" Compression x 1/2" FIP, Braided Stainless Steel, Supply Lines To Sink/Lavatory Replacement	17.87
22 01 40 81-0004	EA	Chrome Supply Lines To Sink/Lavatory Replacement, Pair	26.21
22 01 40 81-0005	EA	Single Bowl Sink/Lavatory Drain Line Replacement	36.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 01 40 81-0006	EA	Double Bowl Sink/Lavatory Drain Line Replacement	56.68	
22 01 40 81-0007	EA	Shower Head, Polished Chrome, Replacement	38.42	
22 01 40 81-0008	EA	Shower Arm Replacement	33.26	
22 01 40 81-0009	EA	Shower Head Replacement	38.11	
22 01 40 81-0010	EA	Shower Knob Replacement	31.16	
22 01 40 81-0011	EA	Shower and Tub Control Trim Replacement Note: Excludes balancing valve.	88.38	
22 01 40 81-0012	EA	Sink Basket Strainer Replacement	22.55	
22 01 40 81-0013	EA	1-1/2" Replacement Sink Drain Without Stopper	12.73	
22 01 40 81-0014	EA	4-1/2" Replacement Sink Drain Without Stopper	13.31	
22 01 40 81-0015	EA	1-1/2" Replacement Sink Drain With Stopper	12.73	
22 01 40 81-0016	EA	1" Sink Rubber Stopper Replacement	7.98	
22 01 40 81-0017	EA	Sink Tailpiece Extension 1-1/2" x 8" Replacement	22.67	
22 01 40 81-0018	EA	Sink Trap, Adjustable, 1-1/2" Replacement	35.88	
22 01 40 81-0019	EA	Lavatory Pop-Up Rod Replacement	24.45	
22 01 40 81-0020	EA	Lavatory Pop-up Drain Stopper Replacement	27.36	
22 01 40 81-0021	EA	Faucet Handle Replacement	30.65	
22 01 40 81-0022	EA	Faucet O-Ring Replacement	23.38	
22 01 40 81-0023	EA	1-1/2" Faucet Hole Cover	15.93	
22 01 40 81-0024	EA	Toilet Ballcock Replacement	34.70	
22 01 40 81-0025	EA	Toilet Bowl Ring, Flat Wax, Replacement Note: Excludes removal of toilet.	6.60	
22 01 40 81-0026	EA	Toilet Tank Replacement	140.59	
22 01 40 81-0027	EA	10" Toilet Bowl Replacement	172.92	
22 01 40 81-0028	EA	10", Low-Flush Watersaver, Toilet Bowl Replacement	187.19	
22 01 40 81-0029	EA	12" Toilet Bowl Replacement	200.95	
22 01 40 81-0030	EA	18", Elongated, Toilet Bowl Replacement	177.72	
22 01 40 81-0031	EA	Toilet Closet Bolt, 5/16" x 3" With Nuts And Washers Replacement	20.84	
22 01 40 81-0032	EA	Toilet Flapper With Chain Replacement	16.13	
22 01 40 81-0033	EA	Toilet Flush Tank Lever Replacement	17.14	
22 01 40 81-0034	EA	Elongated Toilet Seat With Lid Replacement	95.45	
22 01 40 81-0035	EA	Elongated Toilet Seat Without Lid Replacement	79.70	
22 01 40 81-0036	EA	Handicap Toilet Seat Replacement, Complete With Rails	140.11	
22 01 40 81-0037	EA	Diverter Tub Spout Replacement	47.07	
22 01 40 81-0038	EA	Tub Spout Replacement	34.21	
22 01 40 81-0039	EA	2" Tub Stopper, Replacement	9.64	
22 01 40 81-0040	EA	Tub Waste/Overflow Replacement	67.64	
22 01 40 81-0041	EA	Tub Stem Bonnet Assembly Replacement	33.80	
22 01 40 81-0042	EA	Faucet Bonnet Replacement	37.69	
22 01 40 81-0043	EA	Faucet Diverter Stem Replacement	23.50	
22 01 40 81-0044	EA	Faucet Diverter Stem And Bonnet Replacement	31.39	
22 01 40 81-0045	EA	Faucet Spout Replacement	36.09	
22 01 40 81-0046	EA	Faucet Stem Replacement	26.32	
22 01 40 81-0047	EA	Plastic, Chrome Plated Drinking Fountain Bubbler Valve With Flexible Bubbler Guard Replacement	161.43	
22 01 40 81-0048	EA	Brass, Chrome Plated Drinking Fountain Bubbler Valve Replacement	200.82	
22 01 40 81-0049	EA	Stainless Steel (Lead Free) Drinking Fountain Pushbutton Bubbler Valve Replacement	125.21	

22 05 Common Work Results for Plumbing *(22)*

22 05 13 Common Motor Requirements for Plumbing Equipment *(22 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. See CSI section 23 05 13 00-0000 for motor requirements.

22 05 16 Expansion Fittings and Loops for Plumbing Piping *(22 05)*

See CSI section 23 05 16 00-0000 for expansion fittings and loops.

22 05 17 Sleeves and Sleeve Seals for Plumbing Piping *(22 05)*

See CSI section 23 05 17 00-0000 for sleeves and sleeve seals.

22 05 19 Meters and Gages for Plumbing Piping *(22 05)*

See CSI section 23 05 19 00-0000 for gages, 33 19 00 00-0000 for water utility service metering.

22 05 23 General-Duty Valves for Plumbing Piping *(22 05)*

See CSI section 23 05 23 00-0000 for valves.

22 05 29 Hangers and Supports for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 29 00-0000 for hangers and supports.

22 05 48 Vibration and Seismic Controls for Plumbing Piping and Equipment *(22 05)*

22 05 48 13 Vibration Controls for Plumbing Piping and Equipment ***(22 05 48)***

See CSI section 23 05 48 13-0000 for vibration and seismic control.

22 05 53 Identification for Plumbing Piping and Equipment *(22 05)*

See CSI section 23 05 53 00-0000 for identification.

22 05 76 Facility Drainage Piping Cleanouts *(22 05)*

22 05 76 00-0001 Cast Iron Cleanout With Plug And Cover *(22 05 76)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
		Note: For floor installation.		
22 05 76 00-0002		Cast Iron Cleanout With Plug And Round Or Square Cover *(22 05 76 00-0001)*		
22 05 76 00-0003	EA	2" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	580.90	53.92
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0004	EA	3" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	627.87	67.60
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0005	EA	4" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	783.96	81.69
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0006	EA	5" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,124.71	91.41
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0007	EA	6" Floor Cleanout, Round Or Square Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,384.21	99.01
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0008		Cast Iron Heavy Duty Cleanout With Plug And Round Cover *(22 05 76 00-0001)*		
22 05 76 00-0009	EA	2" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	669.34	53.92
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0010	EA	3" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	717.65	67.50
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0011	EA	4" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	873.80	81.69
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0012	EA	5" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,214.62	91.41
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0013	EA	6" Heavy Duty Floor Cleanout, Round Top, Cast Iron With Cast Bronze Screw Plug And Nickel Bronze Cover	1,474.02	99.01
		For Vandal Proof, Add	*19.50*	
		For Galvanized Ferrule, Add	*45.00*	
		For Carpet Marker, Add	*16.00*	
		For Carpet Flange, Add	*58.50*	
		For Wide Flange, Add	*97.00*	
		For Satin Bronze Top, Deduct	*-24.00*	
22 05 76 00-0014		Wall Cover For Cleanout *(22 05 76)*		
		Note: Cover and screw only.		
22 05 76 00-0015		Round Access Cover, Bronze Polished Top *(22 05 76 00-0014)*		
		Note: Cover and screw only.		
22 05 76 00-0016	EA	4-1/4" Diameter Wall Cover For Cleanout, Screwed	87.13	16.92
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0017	EA	5-1/2" Diameter Wall Cover For Cleanout, Screwed	93.89	20.27
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0018	EA	7" Diameter Wall Cover For Cleanout, Screwed	120.01	22.80
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0019	EA	9-1/4" Diameter Wall Cover For Cleanout, Screwed	203.70	25.34
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	
22 05 76 00-0020	EA	11-1/4" Diameter Wall Cover For Cleanout, Screwed	307.03	27.87
		For Stainless Steel, Add	*9.00*	
		For Vandal Proof Screws, Add	*19.50*	

22 05 76 00-0021 Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0022	EA	7" x 7" Bronze Wall Or Floor Access Cover	419.93	16.92
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0023	EA	9" x 9" Bronze Wall Or Floor Access Cover	603.97	17.74
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0024	EA	10" x 10" Bronze Wall Or Floor Access Cover	645.34	18.75
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0025	EA	14" x 14" Bronze Wall Or Floor Access Cover	721.90	21.29
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0026 Secured Square Wall Access Panel, Bronze Polished Top *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0027	EA	6" x 6" Bronze Secured Wall Access Panel	419.39	16.92
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0028	EA	8" x 8" Bronze Secured Wall Access Panel	603.18	17.74
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0029	EA	10" x 10" Bronze Secured Wall Access Panel	644.48	18.75
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0030	EA	12" x 12" Bronze Secured Wall Access Panel	720.96	21.29
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0031 Secure Square Hinged Access Panel, Bronze Polished Top, Scoriated *(22 05 76 00-0014)*

Note: Cover and screw only.

22 05 76 00-0032	EA	6" x 6" Bronze Secured Hinged Access Panel, Scoriated	406.90	16.92
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0033	EA	8" x 8" Bronze Secured Hinged Access Panel, Scoriated	562.12	17.74
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0034	EA	10" x 10" Bronze Secured Hinged Access Panel, Scoriated	796.23	18.75
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	
22 05 76 00-0035	EA	12" x 12" Bronze Secured Hinged Access Panel, Scoriated	963.75	21.29
		For Vandal Proof Screws, Add	*19.50*	
		For Nickel Bronze, Add	*22.50*	

22 05 76 00-0036 Cast Iron Cleanout Tee *(22 05 76)*

22 05 76 00-0037 Cast Iron Cleanout Tee And Round Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

22 05 76 00-0038	EA	2" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	421.80	53.92
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0039	EA	3" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	481.79	67.50
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0040	EA	4" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	629.25	81.69
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0041	EA	6" Cleanout Tee With Bronze Screw Plug And Round Polished Bronze Cover	1,506.01	99.01
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

22 05 76 00-0042 Cast Iron Cleanout Tee And Square Access Cover *(22 05 76 00-0036)*

Note: Satin smooth secured cover.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 05 76 00-0043	EA	2" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	735.80	53.92
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0044	EA	3" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	795.79	67.50
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0045	EA	4" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	922.41	81.69
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	
22 05 76 00-0046	EA	6" Cleanout Tee With Cast Bronze Screw Plug And Square Nickel Bronze Cover	1,930.12	99.01
		For Vandal Proof Screws, Add	*19.50*	
		For Galvanized Cast Iron Parts, Add	*45.00*	

22 05 76 00-0047 Cast Iron Cleanout Tee With Brass Plug *(22 05 76 00-0036)*

22 05 76 00-0048	EA	2" Cleanout Tee With Cast Bronze Screw Plug	345.64	44.08
22 05 76 00-0049	EA	3" Cleanout Tee With Cast Bronze Screw Plug	386.49	48.14
22 05 76 00-0050	EA	4" Cleanout Tee With Cast Bronze Screw Plug	515.11	63.35
22 05 76 00-0051	EA	5" Cleanout Tee With Cast Bronze Screw Plug	775.05	75.00
22 05 76 00-0052	EA	6" Cleanout Tee With Cast Bronze Screw Plug	1,323.30	88.68

22 05 76 00-0053 Removable Cleanout Plug *(22 05 76)*

22 05 76 00-0054 Threaded Bronze Plugs *(22 05 76 00-0053)*

22 05 76 00-0055	EA	1-1/4", 1-1/2" Or 2" Threaded Bronze Plug	68.70	12.67
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0056	EA	2-1/2" Threaded Bronze Plug	82.53	13.79
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0057	EA	3" Threaded Bronze Plug	142.58	15.20
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0058	EA	3-1/2" Threaded Bronze Plug	159.45	17.74
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0059	EA	4" Threaded Bronze Plug	180.26	20.27
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0060	EA	5" Threaded Bronze Plug	254.18	22.80
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0061	EA	6" Threaded Bronze Plug	375.30	25.34
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0062	EA	8" Threaded Bronze Plug	635.99	27.87
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0063	EA	10" Threaded Bronze Plug	916.41	30.41
		For Plug Tapped For Center Screw, Add	*9.50*	

22 05 76 00-0064 Threaded Brass Plugs *(22 05 76 00-0053)*

22 05 76 00-0065	EA	1-1/2" Threaded Brass Plug, Raised Head	28.51	12.67
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0066	EA	2" Threaded Brass Plug, Raised Head	29.06	12.67
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0067	EA	2-1/2" Threaded Brass Plug, Raised Head	31.72	13.78
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0068	EA	3" Threaded Brass Plug, Raised Head	35.96	15.20
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0069	EA	3-1/2" Threaded Brass Plug, Raised Head	42.51	17.74
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0070	EA	4" Threaded Brass Plug, Raised Head	50.08	20.27
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0071	EA	4-1/2" Threaded Brass Plug, Raised Head	53.85	21.35
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0072	EA	5" Threaded Brass Plug, Raised Head	57.96	22.80
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0073	EA	6" Threaded Brass Plug, Raised Head	76.40	25.34
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0074	EA	1-1/2" Threaded Brass Plug, Countersunk Head	28.08	12.67
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0075	EA	2" Threaded Brass Plug, Countersunk Head	28.68	12.67
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0076	EA	2-1/2" Threaded Brass Plug, Countersunk Head	32.91	13.78
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0077	EA	3" Threaded Brass Plug, Countersunk Head	36.14	15.20
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0078	EA	3-1/2" Threaded Brass Plug, Countersunk Head	42.00	17.74
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0079	EA	4" Threaded Brass Plug, Countersunk Head	49.27	20.27
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0080	EA	5" Threaded Brass Plug, Countersunk Head	57.51	22.80
		For Plug Tapped For Center Screw, Add	*9.50*	
22 05 76 00-0081	EA	6" Threaded Brass Plug, Countersunk Head	69.23	25.34
		For Plug Tapped For Center Screw, Add	*9.50*	

22 07 Plumbing Insulation *(22)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 07 16 Plumbing Equipment Insulation *(22 07)*

22 07 16 00-0001 Lavatory Insulation *(22 07 16)*

22 07 16 00-0002	EA	Neoprene Insulation Kit For Under Lavatories	228.09	20.21

22 07 19 Plumbing Piping Insulation *(22 07)*

22 07 19 00-0001 Fiberglass Pipe Insulation *(22 07 19)*

Note: Includes factory applied All Service Jacket (ASJ), Self Sealing Lap (SSL) longitudinal seam, butt strip seals, and adhesive. Excludes insulation for fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0002 1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0003	LF	1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	6.97	1.98
		For Single Layer Of Felt Finish, Add	*0.17*	
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0004	LF	3/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.15	1.98
		For Single Layer Of Felt Finish, Add	*0.19*	
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0005	LF	1" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.60	2.07
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	7.90	2.16
		For Single Layer Of Felt Finish, Add	*0.22*	
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.14	2.16
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0008	LF	2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	8.62	2.25
		For Single Layer Of Felt Finish, Add	*0.25*	
		For Work In Restricted Working Space, Add	*1.86*	
22 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.09	2.33
		For Single Layer Of Felt Finish, Add	*0.29*	
		For Work In Restricted Working Space, Add	*1.89*	
22 07 19 00-0010	LF	3" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.63	2.42
		For Single Layer Of Felt Finish, Add	*0.33*	
		For Work In Restricted Working Space, Add	*1.96*	
22 07 19 00-0011	LF	4" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.03	2.60
		For Single Layer Of Felt Finish, Add	*0.42*	
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0012	LF	6" Diameter Pipe, 1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.04	3.06
		For Single Layer Of Felt Finish, Add	*0.51*	
		For Work In Restricted Working Space, Add	*2.47*	

22 07 19 00-0013 1" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0014	LF	1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.31	2.69
		For Single Layer Of Felt Finish, Add	*0.20*	
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0015	LF	3/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.59	2.69
		For Single Layer Of Felt Finish, Add	*0.23*	
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0016	LF	1" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	9.75	2.69
		For Single Layer Of Felt Finish, Add	*0.24*	
		For Work In Restricted Working Space, Add	*2.25*	
22 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.15	2.78
		For Single Layer Of Felt Finish, Add	*0.27*	
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.45	2.78
		For Single Layer Of Felt Finish, Add	*0.29*	
		For Work In Restricted Working Space, Add	*2.31*	
22 07 19 00-0019	LF	2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	10.91	2.88
		For Single Layer Of Felt Finish, Add	*0.32*	
		For Work In Restricted Working Space, Add	*2.37*	
22 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.54	3.06
		For Single Layer Of Felt Finish, Add	*0.35*	
		For Work In Restricted Working Space, Add	*2.47*	
22 07 19 00-0021	LF	3" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.18	3.15
		For Single Layer Of Felt Finish, Add	*0.39*	
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0022	LF	4" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.90	3.32
		For Single Layer Of Felt Finish, Add	*0.51*	
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0023	LF	6" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.14	3.86
		For Single Layer Of Felt Finish, Add	*0.62*	
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0024	LF	8" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.18	4.31
		For Single Layer Of Felt Finish, Add	*0.88*	
		For Work In Restricted Working Space, Add	*3.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0025	LF	10" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.72	5.12
		For Single Layer Of Felt Finish, Add	*1.03*	
		For Work In Restricted Working Space, Add	*4.17*	
22 07 19 00-0026	LF	12" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.19	5.84
		For Single Layer Of Felt Finish, Add	*1.17*	
		For Work In Restricted Working Space, Add	*4.81*	
22 07 19 00-0027	LF	14" Diameter Pipe, 1" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.52	6.38
		For Single Layer Of Felt Finish, Add	*1.36*	
		For Work In Restricted Working Space, Add	*4.98*	

22 07 19 00-0028 1-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0029	LF	1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.62	2.77
		For Single Layer Of Felt Finish, Add	*0.41*	
		For Work In Restricted Working Space, Add	*2.31*	
22 07 19 00-0030	LF	3/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	11.79	2.77
		For Single Layer Of Felt Finish, Add	*0.43*	
		For Work In Restricted Working Space, Add	*2.31*	
22 07 19 00-0031	LF	1" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.46	2.94
		For Single Layer Of Felt Finish, Add	*0.45*	
		For Work In Restricted Working Space, Add	*2.45*	
22 07 19 00-0032	LF	1-1/4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	12.94	3.00
		For Single Layer Of Felt Finish, Add	*0.49*	
		For Work In Restricted Working Space, Add	*2.49*	
22 07 19 00-0033	LF	1-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	13.34	3.06
		For Single Layer Of Felt Finish, Add	*0.51*	
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0034	LF	2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.25	3.22
		For Single Layer Of Felt Finish, Add	*0.56*	
		For Work In Restricted Working Space, Add	*2.68*	
22 07 19 00-0035	LF	2-1/2" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.93	3.27
		For Single Layer Of Felt Finish, Add	*0.62*	
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0036	LF	3" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.41	3.39
		For Single Layer Of Felt Finish, Add	*0.63*	
		For Work In Restricted Working Space, Add	*2.81*	
22 07 19 00-0037	LF	4" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.06	3.66
		For Single Layer Of Felt Finish, Add	*0.73*	
		For Work In Restricted Working Space, Add	*3.04*	
22 07 19 00-0038	LF	6" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.73	4.28
		For Single Layer Of Felt Finish, Add	*0.83*	
		For Work In Restricted Working Space, Add	*3.55*	
22 07 19 00-0039	LF	8" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.38	4.51
		For Single Layer Of Felt Finish, Add	*1.04*	
		For Work In Restricted Working Space, Add	*3.75*	
22 07 19 00-0040	LF	10" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.43	5.40
		For Single Layer Of Felt Finish, Add	*1.31*	
		For Work In Restricted Working Space, Add	*4.49*	
22 07 19 00-0041	LF	12" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.99	6.29
		For Single Layer Of Felt Finish, Add	*1.43*	
		For Work In Restricted Working Space, Add	*5.22*	
22 07 19 00-0042	LF	14" Diameter Pipe, 1-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	34.81	6.89
		For Single Layer Of Felt Finish, Add	*1.65*	
		For Work In Restricted Working Space, Add	*5.73*	

22 07 19 00-0043 2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0044	LF	1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.60	3.06
		For Single Layer Of Felt Finish, Add	*0.65*	
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0045	LF	3/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	14.80	3.06
		For Single Layer Of Felt Finish, Add	*0.67*	
		For Work In Restricted Working Space, Add	*2.53*	
22 07 19 00-0046	LF	1" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.37	3.15
		For Single Layer Of Felt Finish, Add	*0.72*	
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0047	LF	1-1/4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	15.86	3.15
		For Single Layer Of Felt Finish, Add	*0.75*	
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-0048	LF	1-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.37	3.24
		For Single Layer Of Felt Finish, Add	*0.80*	
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0049	LF	2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	16.99	3.32
		For Single Layer Of Felt Finish, Add	*0.83*	
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0050	LF	2-1/2" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	17.90	3.41
		For Single Layer Of Felt Finish, Add	*0.89*	
		For Work In Restricted Working Space, Add	*2.82*	
22 07 19 00-0051	LF	3" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.89	3.59
		For Single Layer Of Felt Finish, Add	*0.96*	
		For Work In Restricted Working Space, Add	*2.92*	
22 07 19 00-0052	LF	4" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.75	3.77
		For Single Layer Of Felt Finish, Add	*1.10*	
		For Work In Restricted Working Space, Add	*3.08*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0053	LF	6" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.50	4.43
		For Single Layer Of Felt Finish, Add	*1.28*	
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0054	LF	8" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.05	4.68
		For Single Layer Of Felt Finish, Add	*1.58*	
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-0055	LF	10" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.57	5.60
		For Single Layer Of Felt Finish, Add	*1.89*	
		For Work In Restricted Working Space, Add	*4.67*	
22 07 19 00-0056	LF	12" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	38.40	6.71
		For Single Layer Of Felt Finish, Add	*2.08*	
		For Work In Restricted Working Space, Add	*5.59*	
22 07 19 00-0057	LF	14" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	48.37	7.32
		For Single Layer Of Felt Finish, Add	*2.35*	
		For Work In Restricted Working Space, Add	*7.80*	
22 07 19 00-0058	LF	16" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	51.47	8.58
		For Single Layer Of Felt Finish, Add	*2.67*	
		For Work In Restricted Working Space, Add	*7.80*	
22 07 19 00-0059	LF	18" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	57.56	9.01
		For Single Layer Of Felt Finish, Add	*3.18*	
		For Work In Restricted Working Space, Add	*8.19*	
22 07 19 00-0060	LF	20" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	65.16	10.29
		For Single Layer Of Felt Finish, Add	*3.57*	
		For Work In Restricted Working Space, Add	*9.36*	
22 07 19 00-0061	LF	24" Diameter Pipe, 2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	75.34	12.44
		For Single Layer Of Felt Finish, Add	*3.95*	
		For Work In Restricted Working Space, Add	*11.31*	

22 07 19 00-0062 2-1/2" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0063	LF	1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.31	3.59
		For Single Layer Of Felt Finish, Add	*0.90*	
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0064	LF	3/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	18.61	3.59
		For Single Layer Of Felt Finish, Add	*0.93*	
		For Work In Restricted Working Space, Add	*2.93*	
22 07 19 00-0065	LF	1" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	19.40	3.59
		For Single Layer Of Felt Finish, Add	*1.00*	
		For Work In Restricted Working Space, Add	*2.97*	
22 07 19 00-0066	LF	1-1/4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.01	3.68
		For Single Layer Of Felt Finish, Add	*1.05*	
		For Work In Restricted Working Space, Add	*2.99*	
22 07 19 00-0067	LF	1-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.64	3.68
		For Single Layer Of Felt Finish, Add	*1.11*	
		For Work In Restricted Working Space, Add	*3.02*	
22 07 19 00-0068	LF	2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.49	3.86
		For Single Layer Of Felt Finish, Add	*1.16*	
		For Work In Restricted Working Space, Add	*3.14*	
22 07 19 00-0069	LF	2-1/2" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.77	3.95
		For Single Layer Of Felt Finish, Add	*1.25*	
		For Work In Restricted Working Space, Add	*3.25*	
22 07 19 00-0070	LF	3" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.91	4.14
		For Single Layer Of Felt Finish, Add	*1.33*	
		For Work In Restricted Working Space, Add	*3.36*	
22 07 19 00-0071	LF	4" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.59	4.31
		For Single Layer Of Felt Finish, Add	*1.55*	
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0072	LF	6" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.53	4.58
		For Single Layer Of Felt Finish, Add	*1.80*	
		For Work In Restricted Working Space, Add	*4.03*	
22 07 19 00-0073	LF	8" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.57	5.48
		For Single Layer Of Felt Finish, Add	*2.79*	
		For Work In Restricted Working Space, Add	*4.49*	
22 07 19 00-0074	LF	10" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.81	6.29
		For Single Layer Of Felt Finish, Add	*3.42*	
		For Work In Restricted Working Space, Add	*5.18*	
22 07 19 00-0075	LF	12" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	56.12	7.82
		For Single Layer Of Felt Finish, Add	*3.64*	
		For Work In Restricted Working Space, Add	*6.44*	
22 07 19 00-0076	LF	14" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	63.69	8.63
		For Single Layer Of Felt Finish, Add	*4.23*	
		For Work In Restricted Working Space, Add	*7.03*	
22 07 19 00-0077	LF	16" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	74.29	10.96
		For Single Layer Of Felt Finish, Add	*4.66*	
		For Work In Restricted Working Space, Add	*8.98*	
22 07 19 00-0078	LF	18" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	80.12	11.50
		For Single Layer Of Felt Finish, Add	*5.11*	
		For Work In Restricted Working Space, Add	*9.43*	
22 07 19 00-0079	LF	20" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	90.85	13.12
		For Single Layer Of Felt Finish, Add	*5.77*	
		For Work In Restricted Working Space, Add	*10.78*	
22 07 19 00-0080	LF	24" Diameter Pipe, 2-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	106.55	15.84
		For Single Layer Of Felt Finish, Add	*6.63*	
		For Work In Restricted Working Space, Add	*13.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0081		**3" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0082	LF	1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.18	3.98
		For Single Layer Of Felt Finish, Add	*0.99*	
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0083	LF	3/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	20.50	3.98
		For Single Layer Of Felt Finish, Add	*1.02*	
		For Work In Restricted Working Space, Add	*3.23*	
22 07 19 00-0084	LF	1" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.33	4.01
		For Single Layer Of Felt Finish, Add	*1.10*	
		For Work In Restricted Working Space, Add	*3.27*	
22 07 19 00-0085	LF	1-1/4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.98	4.04
		For Single Layer Of Felt Finish, Add	*1.16*	
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0086	LF	1-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.71	4.08
		For Single Layer Of Felt Finish, Add	*1.22*	
		For Work In Restricted Working Space, Add	*3.33*	
22 07 19 00-0087	LF	2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.60	4.23
		For Single Layer Of Felt Finish, Add	*1.27*	
		For Work In Restricted Working Space, Add	*3.45*	
22 07 19 00-0088	LF	2-1/2" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.99	4.38
		For Single Layer Of Felt Finish, Add	*1.38*	
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0089	LF	3" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.26	4.54
		For Single Layer Of Felt Finish, Add	*1.46*	
		For Work In Restricted Working Space, Add	*3.70*	
22 07 19 00-0090	LF	4" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.22	4.79
		For Single Layer Of Felt Finish, Add	*1.70*	
		For Work In Restricted Working Space, Add	*3.90*	
22 07 19 00-0091	LF	6" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	33.53	5.44
		For Single Layer Of Felt Finish, Add	*1.97*	
		For Work In Restricted Working Space, Add	*4.43*	
22 07 19 00-0092	LF	8" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	45.65	6.05
		For Single Layer Of Felt Finish, Add	*3.06*	
		For Work In Restricted Working Space, Add	*4.94*	
22 07 19 00-0093	LF	10" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	54.71	6.99
		For Single Layer Of Felt Finish, Add	*3.75*	
		For Work In Restricted Working Space, Add	*5.70*	
22 07 19 00-0094	LF	12" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	61.65	8.69
		For Single Layer Of Felt Finish, Add	*3.99*	
		For Work In Restricted Working Space, Add	*7.08*	
22 07 19 00-0095	LF	14" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	69.95	9.48
		For Single Layer Of Felt Finish, Add	*4.64*	
		For Work In Restricted Working Space, Add	*7.73*	
22 07 19 00-0096	LF	16" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	81.62	12.12
		For Single Layer Of Felt Finish, Add	*5.11*	
		For Work In Restricted Working Space, Add	*9.88*	
22 07 19 00-0097	LF	18" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	88.01	12.73
		For Single Layer Of Felt Finish, Add	*5.61*	
		For Work In Restricted Working Space, Add	*10.37*	
22 07 19 00-0098	LF	20" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	99.82	14.55
		For Single Layer Of Felt Finish, Add	*6.33*	
		For Work In Restricted Working Space, Add	*11.86*	
22 07 19 00-0099	LF	24" Diameter Pipe, 3" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	117.05	17.56
		For Single Layer Of Felt Finish, Add	*7.28*	
		For Work In Restricted Working Space, Add	*14.33*	
22 07 19 00-0100		**3-1/2" Thick Fiberglass Pipe Insulation** *(22 07 19 00-0001)*		
22 07 19 00-0101	LF	1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	21.70	4.31
		For Single Layer Of Felt Finish, Add	*1.04*	
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0102	LF	3/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	22.07	4.31
		For Single Layer Of Felt Finish, Add	*1.08*	
		For Work In Restricted Working Space, Add	*3.54*	
22 07 19 00-0103	LF	1" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.30	4.31
		For Single Layer Of Felt Finish, Add	*1.20*	
		For Work In Restricted Working Space, Add	*3.57*	
22 07 19 00-0104	LF	1-1/4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	23.99	4.40
		For Single Layer Of Felt Finish, Add	*1.26*	
		For Work In Restricted Working Space, Add	*3.59*	
22 07 19 00-0105	LF	1-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.82	4.40
		For Single Layer Of Felt Finish, Add	*1.33*	
		For Work In Restricted Working Space, Add	*3.64*	
22 07 19 00-0106	LF	2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.75	4.58
		For Single Layer Of Felt Finish, Add	*1.39*	
		For Work In Restricted Working Space, Add	*3.76*	
22 07 19 00-0107	LF	2-1/2" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.28	4.76
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*3.89*	
22 07 19 00-0108	LF	3" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.56	4.94
		For Single Layer Of Felt Finish, Add	*1.59*	
		For Work In Restricted Working Space, Add	*4.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0109	LF	4" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	31.94	5.21
		For Single Layer Of Felt Finish, Add	*1.86*	
		For Work In Restricted Working Space, Add	*4.26*	
22 07 19 00-0110	LF	6" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	36.61	5.93
		For Single Layer Of Felt Finish, Add	*2.15*	
		For Work In Restricted Working Space, Add	*4.83*	
22 07 19 00-0111	LF	8" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	49.85	6.56
		For Single Layer Of Felt Finish, Add	*3.35*	
		For Work In Restricted Working Space, Add	*5.39*	
22 07 19 00-0112	LF	10" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	59.77	7.55
		For Single Layer Of Felt Finish, Add	*4.10*	
		For Work In Restricted Working Space, Add	*6.21*	
22 07 19 00-0113	LF	12" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.33	9.43
		For Single Layer Of Felt Finish, Add	*4.37*	
		For Work In Restricted Working Space, Add	*7.73*	
22 07 19 00-0114	LF	14" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	76.44	10.33
		For Single Layer Of Felt Finish, Add	*5.07*	
		For Work In Restricted Working Space, Add	*8.43*	
22 07 19 00-0115	LF	16" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	89.18	13.12
		For Single Layer Of Felt Finish, Add	*5.59*	
		For Work In Restricted Working Space, Add	*10.78*	
22 07 19 00-0116	LF	18" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	96.13	13.83
		For Single Layer Of Felt Finish, Add	*6.13*	
		For Work In Restricted Working Space, Add	*11.32*	
22 07 19 00-0117	LF	20" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	109.07	15.81
		For Single Layer Of Felt Finish, Add	*6.92*	
		For Work In Restricted Working Space, Add	*12.95*	
22 07 19 00-0118	LF	24" Diameter Pipe, 3-1/2" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	127.87	19.04
		For Single Layer Of Felt Finish, Add	*7.96*	
		For Work In Restricted Working Space, Add	*15.63*	

22 07 19 00-0119 4" Thick Fiberglass Pipe Insulation *(22 07 19 00-0001)*

22 07 19 00-0120	LF	1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	24.67	4.85
		For Single Layer Of Felt Finish, Add	*1.21*	
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0121	LF	3/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	25.08	4.85
		For Single Layer Of Felt Finish, Add	*1.26*	
		For Work In Restricted Working Space, Add	*3.94*	
22 07 19 00-0122	LF	1" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	26.16	4.85
		For Single Layer Of Felt Finish, Add	*1.35*	
		For Work In Restricted Working Space, Add	*4.01*	
22 07 19 00-0123	LF	1-1/4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	27.05	4.94
		For Single Layer Of Felt Finish, Add	*1.42*	
		For Work In Restricted Working Space, Add	*4.05*	
22 07 19 00-0124	LF	1-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	28.21	5.12
		For Single Layer Of Felt Finish, Add	*1.50*	
		For Work In Restricted Working Space, Add	*4.18*	
22 07 19 00-0125	LF	2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	29.26	5.30
		For Single Layer Of Felt Finish, Add	*1.56*	
		For Work In Restricted Working Space, Add	*4.31*	
22 07 19 00-0126	LF	2-1/2" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	30.68	5.30
		For Single Layer Of Felt Finish, Add	*1.69*	
		For Work In Restricted Working Space, Add	*4.37*	
22 07 19 00-0127	LF	3" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	32.27	5.57
		For Single Layer Of Felt Finish, Add	*1.80*	
		For Work In Restricted Working Space, Add	*4.53*	
22 07 19 00-0128	LF	4" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	35.90	5.84
		For Single Layer Of Felt Finish, Add	*2.09*	
		For Work In Restricted Working Space, Add	*4.79*	
22 07 19 00-0129	LF	6" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	41.19	6.65
		For Single Layer Of Felt Finish, Add	*2.42*	
		For Work In Restricted Working Space, Add	*5.43*	
22 07 19 00-0130	LF	8" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	56.09	7.18
		For Single Layer Of Felt Finish, Add	*3.77*	
		For Work In Restricted Working Space, Add	*6.06*	
22 07 19 00-0131	LF	10" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	67.26	8.54
		For Single Layer Of Felt Finish, Add	*4.61*	
		For Work In Restricted Working Space, Add	*7.00*	
22 07 19 00-0132	LF	12" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	75.77	10.60
		For Single Layer Of Felt Finish, Add	*4.91*	
		For Work In Restricted Working Space, Add	*8.69*	
22 07 19 00-0133	LF	14" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	86.02	11.58
		For Single Layer Of Felt Finish, Add	*5.71*	
		For Work In Restricted Working Space, Add	*9.50*	
22 07 19 00-0134	LF	16" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	100.37	14.82
		For Single Layer Of Felt Finish, Add	*6.29*	
		For Work In Restricted Working Space, Add	*12.14*	
22 07 19 00-0135	LF	18" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	108.11	15.54
		For Single Layer Of Felt Finish, Add	*6.90*	
		For Work In Restricted Working Space, Add	*12.72*	
22 07 19 00-0136	LF	20" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	120.99	17.79
		For Single Layer Of Felt Finish, Add	*7.61*	
		For Work In Restricted Working Space, Add	*14.56*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0137	LF	24" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	143.87	21.47
		For Single Layer Of Felt Finish, Add	*8.95*	
		For Work In Restricted Working Space, Add	*17.59*	
22 07 19 00-0138	LF	26" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	163.69	25.33
		For Single Layer Of Felt Finish, Add	*9.93*	
		For Work In Restricted Working Space, Add	*20.73*	
22 07 19 00-0139	LF	28" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	183.55	29.82
		For Single Layer Of Felt Finish, Add	*10.73*	
		For Work In Restricted Working Space, Add	*24.41*	
22 07 19 00-0140	LF	30" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	205.73	35.21
		For Single Layer Of Felt Finish, Add	*11.48*	
		For Work In Restricted Working Space, Add	*28.91*	
22 07 19 00-0141	LF	36" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	246.77	44.76
		For Single Layer Of Felt Finish, Add	*13.04*	
		For Work In Restricted Working Space, Add	*36.76*	
22 07 19 00-0142	LF	42" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	287.82	54.52
		For Single Layer Of Felt Finish, Add	*14.61*	
		For Work In Restricted Working Space, Add	*44.61*	
22 07 19 00-0143	LF	44" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	308.39	59.91
		For Single Layer Of Felt Finish, Add	*15.17*	
		For Work In Restricted Working Space, Add	*49.17*	
22 07 19 00-0144	LF	46" Diameter Pipe, 4" Thick, Fiberglass Insulation With All Service Jacket (ASJ)	327.11	64.49
		For Single Layer Of Felt Finish, Add	*15.78*	
		For Work In Restricted Working Space, Add	*53.05*	

22 07 19 00-0145 Foamglas Pipe Insulation, Rigid, Closed Cell *(22 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint.

22 07 19 00-0146 1" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0147	LF	1/2" Diameter Pipe, 1" Thick Foamglas Insulation	15.70	4.38
		For Work In Restricted Working Space, Add	*3.98*	
22 07 19 00-0148	LF	3/4" Diameter Pipe, 1" Thick Foamglas Insulation	16.31	4.38
		For Work In Restricted Working Space, Add	*3.98*	
22 07 19 00-0149	LF	1" Diameter Pipe, 1" Thick Foamglas Insulation	17.13	4.45
		For Work In Restricted Working Space, Add	*4.04*	
22 07 19 00-0150	LF	1-1/4" Diameter Pipe, 1" Thick Foamglas Insulation	17.52	4.51
		For Work In Restricted Working Space, Add	*4.10*	
22 07 19 00-0151	LF	1-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	18.13	4.57
		For Work In Restricted Working Space, Add	*4.16*	
22 07 19 00-0152	LF	2" Diameter Pipe, 1" Thick Foamglas Insulation	19.30	4.70
		For Work In Restricted Working Space, Add	*4.28*	
22 07 19 00-0153	LF	2-1/2" Diameter Pipe, 1" Thick Foamglas Insulation	20.76	4.89
		For Work In Restricted Working Space, Add	*4.45*	
22 07 19 00-0154	LF	3" Diameter Pipe, 1" Thick Foamglas Insulation	22.34	5.02
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0155	LF	4" Diameter Pipe, 1" Thick Foamglas Insulation	25.76	5.40
		For Work In Restricted Working Space, Add	*4.91*	
22 07 19 00-0156	LF	6" Diameter Pipe, 1" Thick Foamglas Insulation	32.67	6.09
		For Work In Restricted Working Space, Add	*5.54*	

22 07 19 00-0157 1-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0158	LF	1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	18.52	4.86
		For Work In Restricted Working Space, Add	*4.28*	
22 07 19 00-0159	LF	3/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	18.91	4.86
		For Work In Restricted Working Space, Add	*4.28*	
22 07 19 00-0160	LF	1" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	19.49	4.92
		For Work In Restricted Working Space, Add	*4.33*	
22 07 19 00-0161	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	19.95	4.98
		For Work In Restricted Working Space, Add	*4.39*	
22 07 19 00-0162	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	20.39	5.05
		For Work In Restricted Working Space, Add	*4.45*	
22 07 19 00-0163	LF	2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	22.08	5.22
		For Work In Restricted Working Space, Add	*4.59*	
22 07 19 00-0164	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	24.93	5.42
		For Work In Restricted Working Space, Add	*4.77*	
22 07 19 00-0165	LF	3" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	27.47	5.58
		For Work In Restricted Working Space, Add	*4.91*	
22 07 19 00-0166	LF	4" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	31.06	5.93
		For Work In Restricted Working Space, Add	*5.23*	
22 07 19 00-0167	LF	6" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	36.54	6.73
		For Work In Restricted Working Space, Add	*5.92*	
22 07 19 00-0168	LF	8" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	40.85	7.50
		For Work In Restricted Working Space, Add	*6.60*	
22 07 19 00-0169	LF	10" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	49.51	8.65
		For Work In Restricted Working Space, Add	*7.61*	
22 07 19 00-0170	LF	12" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	58.81	10.75
		For Work In Restricted Working Space, Add	*9.46*	
22 07 19 00-0171	LF	14" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	65.32	11.31
		For Work In Restricted Working Space, Add	*10.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0172	LF	16" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	71.93	12.63
		For Work In Restricted Working Space, Add	*11.48*	
22 07 19 00-0173	LF	18" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	81.60	14.94
		For Work In Restricted Working Space, Add	*13.58*	
22 07 19 00-0174	LF	20" Diameter Pipe, 1-1/2" Thick Foamglas Insulation	91.14	16.54
		For Work In Restricted Working Space, Add	*15.04*	
22 07 19 00-0175	LF	24" Diameter Pipe, 1-1/2" Thick Fiberglass Insulation	113.50	18.32
		For Work In Restricted Working Space, Add	*16.66*	

22 07 19 00-0176 2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0177	LF	1/2" Diameter Pipe, 2" Thick Foamglas Insulation	20.78	5.02
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0178	LF	3/4" Diameter Pipe, 2" Thick Foamglas Insulation	21.39	5.02
		For Work In Restricted Working Space, Add	*4.56*	
22 07 19 00-0179	LF	1" Diameter Pipe, 2" Thick Foamglas Insulation	22.17	5.07
		For Work In Restricted Working Space, Add	*4.62*	
22 07 19 00-0180	LF	1-1/4" Diameter Pipe, 2" Thick Foamglas Insulation	23.31	5.15
		For Work In Restricted Working Space, Add	*4.68*	
22 07 19 00-0181	LF	1-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	24.46	5.21
		For Work In Restricted Working Space, Add	*4.73*	
22 07 19 00-0182	LF	2" Diameter Pipe, 2" Thick Foamglas Insulation	27.29	5.40
		For Work In Restricted Working Space, Add	*4.91*	
22 07 19 00-0183	LF	2-1/2" Diameter Pipe, 2" Thick Foamglas Insulation	28.61	5.60
		For Work In Restricted Working Space, Add	*5.08*	
22 07 19 00-0184	LF	3" Diameter Pipe, 2" Thick Foamglas Insulation	30.67	5.77
		For Work In Restricted Working Space, Add	*5.25*	
22 07 19 00-0185	LF	4" Diameter Pipe, 2" Thick Foamglas Insulation	34.49	6.10
		For Work In Restricted Working Space, Add	*5.54*	
22 07 19 00-0186	LF	6" Diameter Pipe, 2" Thick Foamglas Insulation	41.21	6.92
		For Work In Restricted Working Space, Add	*6.29*	
22 07 19 00-0187	LF	8" Diameter Pipe, 2" Thick Foamglas Insulation	45.88	7.73
		For Work In Restricted Working Space, Add	*7.02*	
22 07 19 00-0188	LF	10" Diameter Pipe, 2" Thick Foamglas Insulation	55.78	8.90
		For Work In Restricted Working Space, Add	*8.09*	
22 07 19 00-0189	LF	12" Diameter Pipe, 2" Thick Foamglas Insulation	69.11	11.07
		For Work In Restricted Working Space, Add	*10.06*	
22 07 19 00-0190	LF	14" Diameter Pipe, 2" Thick Foamglas Insulation	73.85	12.08
		For Work In Restricted Working Space, Add	*10.98*	
22 07 19 00-0191	LF	16" Diameter Pipe, 2" Thick Foamglas Insulation	87.44	15.44
		For Work In Restricted Working Space, Add	*14.04*	
22 07 19 00-0192	LF	18" Diameter Pipe, 2" Thick Foamglas Insulation	95.26	16.21
		For Work In Restricted Working Space, Add	*14.73*	
22 07 19 00-0193	LF	20" Diameter Pipe, 2" Thick Foamglas Insulation	105.45	18.53
		For Work In Restricted Working Space, Add	*16.85*	
22 07 19 00-0194	LF	24" Diameter Pipe, 2" Thick Foamglas Insulation	132.17	22.39
		For Work In Restricted Working Space, Add	*20.35*	

22 07 19 00-0195 2-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0196	LF	1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	25.18	5.45
		For Work In Restricted Working Space, Add	*4.95*	
22 07 19 00-0197	LF	3/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	26.19	5.44
		For Work In Restricted Working Space, Add	*4.94*	
22 07 19 00-0198	LF	1" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	27.49	5.53
		For Work In Restricted Working Space, Add	*5.03*	
22 07 19 00-0199	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	28.65	5.57
		For Work In Restricted Working Space, Add	*5.06*	
22 07 19 00-0200	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	29.81	5.61
		For Work In Restricted Working Space, Add	*5.10*	
22 07 19 00-0201	LF	2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	31.94	5.84
		For Work In Restricted Working Space, Add	*5.31*	
22 07 19 00-0202	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	33.97	6.04
		For Work In Restricted Working Space, Add	*5.49*	
22 07 19 00-0203	LF	3" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	36.87	6.26
		For Work In Restricted Working Space, Add	*5.69*	
22 07 19 00-0204	LF	4" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	41.27	6.59
		For Work In Restricted Working Space, Add	*6.00*	
22 07 19 00-0205	LF	6" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	49.31	7.50
		For Work In Restricted Working Space, Add	*6.82*	
22 07 19 00-0206	LF	8" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	54.95	8.36
		For Work In Restricted Working Space, Add	*7.60*	
22 07 19 00-0207	LF	10" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	62.70	9.63
		For Work In Restricted Working Space, Add	*8.76*	
22 07 19 00-0208	LF	12" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	78.08	11.99
		For Work In Restricted Working Space, Add	*10.89*	
22 07 19 00-0209	LF	14" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	81.46	13.08
		For Work In Restricted Working Space, Add	*11.89*	
22 07 19 00-0210	LF	16" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	96.16	16.72
		For Work In Restricted Working Space, Add	*15.20*	
22 07 19 00-0211	LF	18" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	104.51	17.55
		For Work In Restricted Working Space, Add	*15.96*	
22 07 19 00-0212	LF	20" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	120.16	20.06
		For Work In Restricted Working Space, Add	*18.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0213	LF	24" Diameter Pipe, 2-1/2" Thick Foamglas Insulation	150.41	24.24
		For Work In Restricted Working Space, Add	*22.04*	

22 07 19 00-0214 3" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0215	LF	1/2" Diameter Pipe, 3" Thick Foamglas Insulation	30.35	5.78
		For Work In Restricted Working Space, Add	*5.26*	
22 07 19 00-0216	LF	3/4" Diameter Pipe, 3" Thick Foamglas Insulation	30.96	5.78
		For Work In Restricted Working Space, Add	*5.26*	
22 07 19 00-0217	LF	1" Diameter Pipe, 3" Thick Foamglas Insulation	31.87	5.88
		For Work In Restricted Working Space, Add	*5.35*	
22 07 19 00-0218	LF	1-1/4" Diameter Pipe, 3" Thick Foamglas Insulation	32.61	5.92
		For Work In Restricted Working Space, Add	*5.39*	
22 07 19 00-0219	LF	1-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	33.38	5.97
		For Work In Restricted Working Space, Add	*5.43*	
22 07 19 00-0220	LF	2" Diameter Pipe, 3" Thick Foamglas Insulation	35.86	6.21
		For Work In Restricted Working Space, Add	*5.65*	
22 07 19 00-0221	LF	2-1/2" Diameter Pipe, 3" Thick Foamglas Insulation	38.23	6.43
		For Work In Restricted Working Space, Add	*5.84*	
22 07 19 00-0222	LF	3" Diameter Pipe, 3" Thick Foamglas Insulation	43.40	6.66
		For Work In Restricted Working Space, Add	*6.05*	
22 07 19 00-0223	LF	4" Diameter Pipe, 3" Thick Foamglas Insulation	49.48	7.01
		For Work In Restricted Working Space, Add	*6.38*	
22 07 19 00-0224	LF	6" Diameter Pipe, 3" Thick Foamglas Insulation	54.21	7.98
		For Work In Restricted Working Space, Add	*7.25*	
22 07 19 00-0225	LF	8" Diameter Pipe, 3" Thick Foamglas Insulation	61.22	8.89
		For Work In Restricted Working Space, Add	*8.09*	
22 07 19 00-0226	LF	10" Diameter Pipe, 3" Thick Foamglas Insulation	73.00	10.26
		For Work In Restricted Working Space, Add	*9.32*	
22 07 19 00-0227	LF	12" Diameter Pipe, 3" Thick Foamglas Insulation	84.85	12.74
		For Work In Restricted Working Space, Add	*11.59*	
22 07 19 00-0228	LF	14" Diameter Pipe, 3" Thick Foamglas Insulation	90.87	13.91
		For Work In Restricted Working Space, Add	*12.65*	
22 07 19 00-0229	LF	16" Diameter Pipe, 3" Thick Foamglas Insulation	108.56	17.79
		For Work In Restricted Working Space, Add	*16.17*	
22 07 19 00-0230	LF	18" Diameter Pipe, 3" Thick Foamglas Insulation	116.19	18.67
		For Work In Restricted Working Space, Add	*16.98*	
22 07 19 00-0231	LF	20" Diameter Pipe, 3" Thick Foamglas Insulation	136.13	21.34
		For Work In Restricted Working Space, Add	*19.40*	
22 07 19 00-0232	LF	24" Diameter Pipe, 3" Thick Foamglas Insulation	166.41	25.79
		For Work In Restricted Working Space, Add	*23.44*	

22 07 19 00-0233 3-1/2" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

22 07 19 00-0234	LF	1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	36.55	7.01
		For Work In Restricted Working Space, Add	*6.38*	
22 07 19 00-0235	LF	3/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	37.32	7.01
		For Work In Restricted Working Space, Add	*6.38*	
22 07 19 00-0236	LF	1" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	38.25	7.06
		For Work In Restricted Working Space, Add	*6.42*	
22 07 19 00-0237	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	39.15	7.10
		For Work In Restricted Working Space, Add	*6.46*	
22 07 19 00-0238	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	40.20	7.19
		For Work In Restricted Working Space, Add	*6.54*	
22 07 19 00-0239	LF	2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	44.22	7.45
		For Work In Restricted Working Space, Add	*6.77*	
22 07 19 00-0240	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	48.26	7.71
		For Work In Restricted Working Space, Add	*7.01*	
22 07 19 00-0241	LF	3" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	50.97	7.98
		For Work In Restricted Working Space, Add	*7.25*	
22 07 19 00-0242	LF	4" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	54.58	8.43
		For Work In Restricted Working Space, Add	*7.67*	
22 07 19 00-0243	LF	6" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	62.83	9.57
		For Work In Restricted Working Space, Add	*8.70*	
22 07 19 00-0244	LF	8" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	71.42	10.66
		For Work In Restricted Working Space, Add	*9.69*	
22 07 19 00-0245	LF	10" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	85.43	12.31
		For Work In Restricted Working Space, Add	*11.19*	
22 07 19 00-0246	LF	12" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	100.96	15.29
		For Work In Restricted Working Space, Add	*13.91*	
22 07 19 00-0247	LF	14" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	105.34	16.70
		For Work In Restricted Working Space, Add	*15.18*	
22 07 19 00-0248	LF	16" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	126.31	21.34
		For Work In Restricted Working Space, Add	*19.40*	
22 07 19 00-0249	LF	18" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	138.81	22.41
		For Work In Restricted Working Space, Add	*20.37*	
22 07 19 00-0250	LF	20" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	158.03	25.63
		For Work In Restricted Working Space, Add	*23.30*	
22 07 19 00-0251	LF	24" Diameter Pipe, 3-1/2" Thick Foamglas Insulation	194.06	30.94
		For Work In Restricted Working Space, Add	*28.13*	

22 07 19 00-0252 4" Thick Foamglas Pipe Insulation *(22 07 19 00-0145)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0253	LF	1/2" Diameter Pipe, 4" Thick Foamglas Insulation	44.51	8.63
		For Work In Restricted Working Space, Add	*7.84*	
22 07 19 00-0254	LF	3/4" Diameter Pipe, 4" Thick Foamglas Insulation	45.51	8.63
		For Work In Restricted Working Space, Add	*7.84*	
22 07 19 00-0255	LF	1" Diameter Pipe, 4" Thick Foamglas Insulation	46.95	8.77
		For Work In Restricted Working Space, Add	*7.97*	
22 07 19 00-0256	LF	1-1/4" Diameter Pipe, 4" Thick Foamglas Insulation	48.27	8.88
		For Work In Restricted Working Space, Add	*8.07*	
22 07 19 00-0257	LF	1-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	50.10	9.15
		For Work In Restricted Working Space, Add	*8.32*	
22 07 19 00-0258	LF	2" Diameter Pipe, 4" Thick Foamglas Insulation	54.12	9.43
		For Work In Restricted Working Space, Add	*8.58*	
22 07 19 00-0259	LF	2-1/2" Diameter Pipe, 4" Thick Foamglas Insulation	57.71	9.58
		For Work In Restricted Working Space, Add	*8.71*	
22 07 19 00-0260	LF	3" Diameter Pipe, 4" Thick Foamglas Insulation	60.58	9.94
		For Work In Restricted Working Space, Add	*9.03*	
22 07 19 00-0261	LF	4" Diameter Pipe, 4" Thick Foamglas Insulation	66.22	11.08
		For Work In Restricted Working Space, Add	*10.07*	
22 07 19 00-0262	LF	6" Diameter Pipe, 4" Thick Foamglas Insulation	76.59	11.89
		For Work In Restricted Working Space, Add	*10.82*	
22 07 19 00-0263	LF	8" Diameter Pipe, 4" Thick Foamglas Insulation	86.46	12.89
		For Work In Restricted Working Space, Add	*11.72*	
22 07 19 00-0264	LF	10" Diameter Pipe, 4" Thick Foamglas Insulation	99.03	15.33
		For Work In Restricted Working Space, Add	*13.93*	
22 07 19 00-0265	LF	12" Diameter Pipe, 4" Thick Foamglas Insulation	115.71	19.04
		For Work In Restricted Working Space, Add	*17.30*	
22 07 19 00-0266	LF	14" Diameter Pipe, 4" Thick Foamglas Insulation	125.83	20.78
		For Work In Restricted Working Space, Add	*18.90*	
22 07 19 00-0267	LF	16" Diameter Pipe, 4" Thick Foamglas Insulation	149.36	26.57
		For Work In Restricted Working Space, Add	*24.16*	
22 07 19 00-0268	LF	18" Diameter Pipe, 4" Thick Foamglas Insulation	166.16	27.86
		For Work In Restricted Working Space, Add	*25.32*	
22 07 19 00-0269	LF	20" Diameter Pipe, 4" Thick Foamglas Insulation	186.26	31.88
		For Work In Restricted Working Space, Add	*28.98*	
22 07 19 00-0270	LF	24" Diameter Pipe, 4" Thick Foamglas Insulation	236.24	38.52
		For Work In Restricted Working Space, Add	*35.01*	

22 07 19 00-0271 Flexible Polyethylene Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV resistant standard temperature (-90 Degree F To +212 Degree F). For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0272 3/8" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0273	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.72	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0274	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.73	2.68
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-0275	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	5.96	2.78
		For Work In Restricted Working Space, Add	*1.67*	
22 07 19 00-0276	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.20	2.88
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0277	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.42	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0278	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.67	2.98
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0279	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.78	2.98
		For Work In Restricted Working Space, Add	*1.79*	
22 07 19 00-0280	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.07	2.98
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0281	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.63	3.07
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-0282	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.88	3.12
		For Work In Restricted Working Space, Add	*1.88*	

22 07 19 00-0283 1/2" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0284	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.34	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0285	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.41	2.93
		For Work In Restricted Working Space, Add	*1.77*	
22 07 19 00-0286	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.51	2.98
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0287	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.64	2.99
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0288	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	6.96	3.07
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0289	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.23	3.12
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0290	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.55	3.16
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-0291	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.93	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0292	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.57	3.31
		For Work In Restricted Working Space, Add	*1.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0293	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.25	3.35
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0294	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.88	3.40
		For Work In Restricted Working Space, Add	*2.04*	
22 07 19 00-0295	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.27	3.44
		For Work In Restricted Working Space, Add	*2.07*	

22 07 19 00-0296 3/4" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0297	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.06	3.16
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-0298	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.15	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0299	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.59	3.31
		For Work In Restricted Working Space, Add	*1.98*	
22 07 19 00-0300	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	7.79	3.35
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0301	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.34	3.44
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0302	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.90	3.49
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0303	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.15	3.51
		For Work In Restricted Working Space, Add	*2.11*	
22 07 19 00-0304	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.17	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0305	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.57	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0306	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.66	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0307	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.68	3.72
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0308	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	13.11	3.77
		For Work In Restricted Working Space, Add	*2.27*	

22 07 19 00-0309 1" Wall Flexible Polyethylene Tubing Foam Insulation *(22 07 19 00-0271)*

22 07 19 00-0310	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.02	3.49
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0311	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.22	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0312	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	8.84	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0313	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.04	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0314	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	9.99	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0315	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.47	3.87
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0316	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	10.65	3.91
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0317	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	11.56	3.96
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-0318	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.21	4.06
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0319	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyethylene Tubing Flexible Closed Cell Foam Insulation	12.78	4.11
		For Work In Restricted Working Space, Add	*2.46*	

22 07 19 00-0320 Flexible Elastomeric Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0321 3/8" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0322	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.16	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0323	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.29	2.68
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-0324	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.55	2.78
		For Work In Restricted Working Space, Add	*1.67*	
22 07 19 00-0325	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.72	2.82
		For Work In Restricted Working Space, Add	*1.70*	
22 07 19 00-0326	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	6.89	2.88
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0327	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.14	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0328	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.34	2.98
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0329	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.58	2.98
		For Work In Restricted Working Space, Add	*1.79*	
22 07 19 00-0330	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.78	2.98
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0331	LF	2" I.D. (2-1/8" O.D.)Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.98	3.02
		For Work In Restricted Working Space, Add	*1.81*	
22 07 19 00-0332	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.27	3.07
		For Work In Restricted Working Space, Add	*1.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0333	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.53	3.07
		For Work In Restricted Working Space, Add	*1.85*	
22 07 19 00-0334	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.70	3.12
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0335	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.97	3.12
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0336	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.56	3.16
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-0337	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.24	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0338	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/8" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.00	3.23
		For Work In Restricted Working Space, Add	*1.94*	

22 07 19 00-0339 1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0340	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.04	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0341	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.14	2.93
		For Work In Restricted Working Space, Add	*1.77*	
22 07 19 00-0342	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.26	2.98
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0343	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.45	2.98
		For Work In Restricted Working Space, Add	*1.79*	
22 07 19 00-0344	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.60	2.98
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0345	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	7.94	3.07
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0346	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.27	3.12
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0347	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.57	3.16
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-0348	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.88	3.19
		For Work In Restricted Working Space, Add	*1.91*	
22 07 19 00-0349	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.14	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0350	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.11	3.26
		For Work In Restricted Working Space, Add	*1.95*	
22 07 19 00-0351	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.69	3.31
		For Work In Restricted Working Space, Add	*1.98*	
22 07 19 00-0352	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.14	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0353	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.50	3.35
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0354	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.78	3.38
		For Work In Restricted Working Space, Add	*2.03*	
22 07 19 00-0355	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.00	3.40
		For Work In Restricted Working Space, Add	*2.04*	
22 07 19 00-0356	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.13	3.44
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0357	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.38	3.47
		For Work In Restricted Working Space, Add	*2.08*	
22 07 19 00-0358	LF	5" I.D. (5-9/16" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	14.50	3.49
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0359	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.77	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0360	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.21	3.68
		For Work In Restricted Working Space, Add	*2.21*	

22 07 19 00-0361 3/4" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0362	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.23	3.16
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-0363	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.49	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0364	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	8.85	3.31
		For Work In Restricted Working Space, Add	*1.98*	
22 07 19 00-0365	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.10	3.33
		For Work In Restricted Working Space, Add	*2.00*	
22 07 19 00-0366	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.19	3.35
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0367	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.76	3.44
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0368	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.24	3.49
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0369	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.71	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0370	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.84	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0371	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.02	3.56
		For Work In Restricted Working Space, Add	*2.14*	
22 07 19 00-0372	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.59	3.58
		For Work In Restricted Working Space, Add	*2.15*	
22 07 19 00-0373	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.88	3.63
		For Work In Restricted Working Space, Add	*2.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0374	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.55	3.65
		For Work In Restricted Working Space, Add	*2.19*	
22 07 19 00-0375	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.00	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0376	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.70	3.71
		For Work In Restricted Working Space, Add	*2.22*	
22 07 19 00-0377	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.97	3.72
		For Work In Restricted Working Space, Add	*2.24*	
22 07 19 00-0378	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.01	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0379	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.85	3.80
		For Work In Restricted Working Space, Add	*2.28*	
22 07 19 00-0380	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 3/4" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.28	3.81
		For Work In Restricted Working Space, Add	*2.29*	
22 07 19 00-0381	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.77	3.87
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0382	LF	8" IPS (8-5/8" O.D.) Diameter Pipe, 3/4" Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.55	3.96
		For Work In Restricted Working Space, Add	*2.38*	

22 07 19 00-0383 1" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0384	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	9.77	3.48
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0385	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.09	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0386	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.48	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0387	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	10.85	3.65
		For Work In Restricted Working Space, Add	*2.19*	
22 07 19 00-0388	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.17	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0389	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	11.70	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0390	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.55	3.87
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0391	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	12.97	3.87
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0392	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.57	3.91
		For Work In Restricted Working Space, Add	*2.36*	
22 07 19 00-0393	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	13.78	3.96
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-0394	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.08	4.02
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0395	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.08	4.06
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0396	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.37	4.09
		For Work In Restricted Working Space, Add	*2.45*	
22 07 19 00-0397	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.74	4.11
		For Work In Restricted Working Space, Add	*2.46*	
22 07 19 00-0398	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.41	4.14
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0399	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.74	4.15
		For Work In Restricted Working Space, Add	*2.49*	
22 07 19 00-0400	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.18	4.25
		For Work In Restricted Working Space, Add	*2.54*	
22 07 19 00-0401	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	22.84	4.30
		For Work In Restricted Working Space, Add	*2.58*	
22 07 19 00-0402	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.31	4.34
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-0403	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.91	4.44
		For Work In Restricted Working Space, Add	*2.66*	

22 07 19 00-0404 1-1/2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0405	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	15.73	3.90
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0406	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.13	3.99
		For Work In Restricted Working Space, Add	*2.40*	
22 07 19 00-0407	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.51	4.02
		For Work In Restricted Working Space, Add	*2.41*	
22 07 19 00-0408	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	16.88	4.06
		For Work In Restricted Working Space, Add	*2.42*	
22 07 19 00-0409	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	17.37	4.14
		For Work In Restricted Working Space, Add	*2.48*	
22 07 19 00-0410	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	18.17	4.30
		For Work In Restricted Working Space, Add	*2.57*	
22 07 19 00-0411	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	19.38	4.23
		For Work In Restricted Working Space, Add	*2.60*	
22 07 19 00-0412	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	20.42	4.33
		For Work In Restricted Working Space, Add	*2.63*	
22 07 19 00-0413	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	21.06	4.44
		For Work In Restricted Working Space, Add	*2.66*	
22 07 19 00-0414	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.09	4.49
		For Work In Restricted Working Space, Add	*2.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0415	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.00	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0416	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	25.91	4.56
		For Work In Restricted Working Space, Add	*2.73*	
22 07 19 00-0417	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.80	4.57
		For Work In Restricted Working Space, Add	*2.75*	
22 07 19 00-0418	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	27.86	4.60
		For Work In Restricted Working Space, Add	*2.76*	
22 07 19 00-0419	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.52	4.62
		For Work In Restricted Working Space, Add	*2.77*	
22 07 19 00-0420	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.08	4.79
		For Work In Restricted Working Space, Add	*2.86*	
22 07 19 00-0421	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.00	4.86
		For Work In Restricted Working Space, Add	*2.91*	
22 07 19 00-0422	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.68	4.93
		For Work In Restricted Working Space, Add	*2.96*	
22 07 19 00-0423	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 1-1/2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	43.30	5.08
		For Work In Restricted Working Space, Add	*3.05*	

22 07 19 00-0424 2" Wall Flexible Elastomeric Tubing Foam Insulation *(22 07 19 00-0320)*

22 07 19 00-0425	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	23.54	4.31
		For Work In Restricted Working Space, Add	*2.59*	
22 07 19 00-0426	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	24.51	4.38
		For Work In Restricted Working Space, Add	*2.64*	
22 07 19 00-0427	LF	5/8" I.D. (3/4" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.26	4.41
		For Work In Restricted Working Space, Add	*2.65*	
22 07 19 00-0428	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	26.86	4.45
		For Work In Restricted Working Space, Add	*2.66*	
22 07 19 00-0429	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	28.29	4.54
		For Work In Restricted Working Space, Add	*2.72*	
22 07 19 00-0430	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	30.01	4.75
		For Work In Restricted Working Space, Add	*2.85*	
22 07 19 00-0431	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	31.07	4.63
		For Work In Restricted Working Space, Add	*2.87*	
22 07 19 00-0432	LF	1-1/2" IPS (1-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	32.95	4.79
		For Work In Restricted Working Space, Add	*2.92*	
22 07 19 00-0433	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	34.75	4.95
		For Work In Restricted Working Space, Add	*2.98*	
22 07 19 00-0434	LF	2" IPS (2-3/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	35.96	5.02
		For Work In Restricted Working Space, Add	*3.01*	
22 07 19 00-0435	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.47	5.08
		For Work In Restricted Working Space, Add	*3.03*	
22 07 19 00-0436	LF	2-1/2" IPS (2-7/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	38.76	5.09
		For Work In Restricted Working Space, Add	*3.05*	
22 07 19 00-0437	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	41.12	5.10
		For Work In Restricted Working Space, Add	*3.07*	
22 07 19 00-0438	LF	3" IPS (3-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	42.76	5.12
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0439	LF	3-1/2" I.D. (3-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	44.50	5.15
		For Work In Restricted Working Space, Add	*3.08*	
22 07 19 00-0440	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	50.23	5.39
		For Work In Restricted Working Space, Add	*3.22*	
22 07 19 00-0441	LF	4" IPS (4-1/2" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	53.56	5.50
		For Work In Restricted Working Space, Add	*3.29*	
22 07 19 00-0442	LF	5" IPS (5-9/16" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	54.51	5.61
		For Work In Restricted Working Space, Add	*3.36*	
22 07 19 00-0443	LF	6" IPS (6-5/8" O.D.) Diameter Pipe, 2" Wall Flexible Elastomeric Tubing Closed Cell Foam Insulation	61.44	5.83
		For Work In Restricted Working Space, Add	*3.50*	

22 07 19 00-0444 Flexible Polyolefin Tubing Closed Cell Foam Insulation *(22 07 19)*

Note: UV stabilized, work temperature (-110 degree F to +210 degree F) 0 water vapor transmission. For elbow fittings/valves add 1 LF for each fitting/valve, for tee fittings add 2 LF for each fitting.

22 07 19 00-0445 3/8" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0444)*

22 07 19 00-0446	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.87	2.68
		For Work In Restricted Working Space, Add	*1.61*	
22 07 19 00-0447	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	5.95	2.68
		For Work In Restricted Working Space, Add	*1.62*	
22 07 19 00-0448	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.17	2.78
		For Work In Restricted Working Space, Add	*1.67*	
22 07 19 00-0449	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.45	2.88
		For Work In Restricted Working Space, Add	*1.73*	
22 07 19 00-0450	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.63	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0451	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.95	2.98
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0452	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.20	2.98
		For Work In Restricted Working Space, Add	*1.79*	
22 07 19 00-0453	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.39	3.07
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0454	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.19	3.07
		For Work In Restricted Working Space, Add	*1.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0455	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.91	3.12
		For Work In Restricted Working Space, Add	*1.88*	
22 07 19 00-0456	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/8" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.78	3.21
		For Work In Restricted Working Space, Add	*1.93*	

22 07 19 00-0457 1/2" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0444)*

22 07 19 00-0458	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.61	2.93
		For Work In Restricted Working Space, Add	*1.76*	
22 07 19 00-0459	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.67	2.93
		For Work In Restricted Working Space, Add	*1.77*	
22 07 19 00-0460	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	6.81	2.98
		For Work In Restricted Working Space, Add	*1.78*	
22 07 19 00-0461	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.02	2.98
		For Work In Restricted Working Space, Add	*1.80*	
22 07 19 00-0462	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.25	3.07
		For Work In Restricted Working Space, Add	*1.84*	
22 07 19 00-0463	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.61	3.12
		For Work In Restricted Working Space, Add	*1.87*	
22 07 19 00-0464	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.01	3.16
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-0465	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.39	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0466	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.24	3.31
		For Work In Restricted Working Space, Add	*1.98*	
22 07 19 00-0467	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.01	3.35
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0468	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 1/2" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.47	3.44
		For Work In Restricted Working Space, Add	*2.07*	

22 07 19 00-0469 3/4" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0444)*

22 07 19 00-0470	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.47	3.16
		For Work In Restricted Working Space, Add	*1.90*	
22 07 19 00-0471	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	7.74	3.21
		For Work In Restricted Working Space, Add	*1.93*	
22 07 19 00-0472	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.05	3.31
		For Work In Restricted Working Space, Add	*1.98*	
22 07 19 00-0473	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.58	3.35
		For Work In Restricted Working Space, Add	*2.01*	
22 07 19 00-0474	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.06	3.44
		For Work In Restricted Working Space, Add	*2.07*	
22 07 19 00-0475	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.91	3.49
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0476	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.46	3.49
		For Work In Restricted Working Space, Add	*2.11*	
22 07 19 00-0477	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.10	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0478	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.31	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0479	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.43	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0480	LF	4" I.D. (4-1/8" O.D.) Diameter Pipe, 3/4" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.57	3.77
		For Work In Restricted Working Space, Add	*2.27*	

22 07 19 00-0481 1" Wall Flexible Polyolefin Tubing Foam Insulation *(22 07 19 00-0444)*

22 07 19 00-0482	LF	1/4" I.D. (3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	8.97	3.49
		For Work In Restricted Working Space, Add	*2.09*	
22 07 19 00-0483	LF	3/8" I.D. (1/2" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.11	3.54
		For Work In Restricted Working Space, Add	*2.12*	
22 07 19 00-0484	LF	1/2" I.D. (5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	9.43	3.63
		For Work In Restricted Working Space, Add	*2.18*	
22 07 19 00-0485	LF	3/4" I.D. (7/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.19	3.68
		For Work In Restricted Working Space, Add	*2.21*	
22 07 19 00-0486	LF	1" I.D. (1-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	10.81	3.77
		For Work In Restricted Working Space, Add	*2.27*	
22 07 19 00-0487	LF	1-1/4" I.D. (1-3/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	11.45	3.87
		For Work In Restricted Working Space, Add	*2.32*	
22 07 19 00-0488	LF	1-1/2" I.D. (1-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	12.07	3.87
		For Work In Restricted Working Space, Add	*2.35*	
22 07 19 00-0489	LF	2" I.D. (2-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	13.49	3.96
		For Work In Restricted Working Space, Add	*2.38*	
22 07 19 00-0490	LF	2-1/2" I.D. (2-5/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	15.37	4.06
		For Work In Restricted Working Space, Add	*2.43*	
22 07 19 00-0491	LF	3" I.D. (3-1/8" O.D.) Diameter Pipe, 1" Wall Polyolefin Tubing Flexible Closed Cell Foam Insulation	16.73	4.11
		For Work In Restricted Working Space, Add	*2.46*	

22 07 19 00-0492 Insulation Protective Jacketing *(22 07 19)*

Note: Jacketing only and must be added to insulation prices.

22 07 19 00-0493 Aluminum Insulation Protective Jacketing With Bands *(22 07 19 00-0492)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0494		**Aluminum Roll, Insulation Protective Jacketing With Bands** *(22 07 19 00-0493)*		
22 07 19 00-0495	SF	0.006" Aluminum Insulation Jacket With Bands	13.48	5.75
22 07 19 00-0496	SF	0.010" Aluminum Insulation Jacket With Bands	13.70	5.75
22 07 19 00-0497	SF	0.016" Aluminum Insulation Jacket With Bands	13.90	5.75
22 07 19 00-0498	SF	0.020" Aluminum Insulation Jacket With Bands	14.10	5.75
22 07 19 00-0499	SF	0.024" Aluminum Insulation Jacket With Bands	14.27	5.75
22 07 19 00-0500		**16 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands** *(22 07 19 00-0493)*		
22 07 19 00-0501	LF	1/2" ID, 0.016" Aluminum Insulation Jacketing	6.88	1.63
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0502	LF	3/4" ID, 0.016" Aluminum Insulation Jacketing	7.13	1.67
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0503	LF	1" ID, 0.016" Aluminum Insulation Jacketing	7.37	1.72
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0504	LF	1-1/4" ID, 0.016" Aluminum Insulation Jacketing	7.64	1.76
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0505	LF	1-1/2" ID, 0.016" Aluminum Insulation Jacketing	7.84	1.78
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0506	LF	1-3/4" ID, 0.016" Aluminum Insulation Jacketing	8.05	1.81
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0507	LF	2" ID, 0.016" Aluminum Insulation Jacketing	8.29	1.85
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0508	LF	2-1/4" ID, 0.016" Aluminum Insulation Jacketing	8.56	1.88
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0509	LF	2-1/2" ID, 0.016" Aluminum Insulation Jacketing	8.83	1.92
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0510	LF	2-3/4" ID, 0.016" Aluminum Insulation Jacketing	9.05	1.96
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0511	LF	3" ID, 0.016" Aluminum Insulation Jacketing	9.34	2.00
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0512	LF	3-1/4" ID, 0.016" Aluminum Insulation Jacketing	9.62	2.04
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0513	LF	3-1/2" ID, 0.016" Aluminum Insulation Jacketing	9.90	2.09
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0514	LF	3-3/4" ID, 0.016" Aluminum Insulation Jacketing	10.16	2.13
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0515	LF	4" ID, 0.016" Aluminum Insulation Jacketing	10.46	2.18
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0516	LF	4-1/4" ID, 0.016" Aluminum Insulation Jacketing	10.78	2.23
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0517	LF	4-1/2" ID, 0.016" Aluminum Insulation Jacketing	11.11	2.29
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0518	LF	4-3/4" ID, 0.016" Aluminum Insulation Jacketing	11.39	2.33
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0519	LF	5" ID, 0.016" Aluminum Insulation Jacketing	11.74	2.39
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0520	LF	5-1/4" ID, 0.016" Aluminum Insulation Jacketing	12.11	2.46
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0521	LF	5-1/2" ID, 0.016" Aluminum Insulation Jacketing	12.41	2.51
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0522	LF	5-3/4" ID, 0.016" Aluminum Insulation Jacketing	12.81	2.58
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0523	LF	6" ID, 0.016" Aluminum Insulation Jacketing	13.21	2.66
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0524	LF	6-1/4" ID, 0.016" Aluminum Insulation Jacketing	13.48	2.70
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0525	LF	6-1/2" ID, 0.016" Aluminum Insulation Jacketing	13.74	2.74
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0526	LF	7" ID, 0.016" Aluminum Insulation Jacketing	14.19	2.80
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0527	LF	7-1/4" ID, 0.016" Aluminum Insulation Jacketing	14.56	2.88
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0528	LF	7-1/2" ID, 0.016" Aluminum Insulation Jacketing	14.84	2.93
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0529	LF	8" ID, 0.016" Aluminum Insulation Jacketing	15.24	2.98
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0530	LF	8-1/2" ID, 0.016" Aluminum Insulation Jacketing	15.64	3.02
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0531	LF	9" ID, 0.016" Aluminum Insulation Jacketing	16.15	3.10
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0532	LF	9-1/2" ID, 0.016" Aluminum Insulation Jacketing	16.58	3.15
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0533	LF	10" ID, 0.016" Aluminum Insulation Jacketing	17.00	3.21
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0534	LF	10-1/2" ID, 0.016" Aluminum Insulation Jacketing	17.43	3.27
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0535	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	17.99	3.36
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0536	LF	11-1/2" ID, 0.016" Aluminum Insulation Jacketing	18.47	3.42
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0537	LF	12" ID, 0.016" Aluminum Insulation Jacketing	18.92	3.49
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0538	LF	12-1/2" ID, 0.016" Aluminum Insulation Jacketing	19.54	3.59
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0539	LF	13" ID, 0.016" Aluminum Insulation Jacketing	19.89	3.63
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0540	LF	14" ID, 0.016" Aluminum Insulation Jacketing	20.45	3.66
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0541	LF	15" ID, 0.016" Aluminum Insulation Jacketing	21.15	3.74
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0542	LF	16" ID, 0.016" Aluminum Insulation Jacketing	21.71	3.78
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0543	LF	17" ID, 0.016" Aluminum Insulation Jacketing	22.45	3.86
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0544	LF	18" ID, 0.016" Aluminum Insulation Jacketing	22.88	3.90
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0545	LF	19" ID, 0.016" Aluminum Insulation Jacketing	23.77	4.00
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0546	LF	20" ID, 0.016" Aluminum Insulation Jacketing	24.36	4.04
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0547	LF	21" ID, 0.016" Aluminum Insulation Jacketing	25.13	4.13
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0548	LF	22" ID, 0.016" Aluminum Insulation Jacketing	25.71	4.18
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0549	LF	23" ID, 0.016" Aluminum Insulation Jacketing	26.52	4.28
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0550	LF	24" ID, 0.016" Aluminum Insulation Jacketing	27.12	4.33
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	

22 07 19 00-0551 20 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0493)*

22 07 19 00-0552	LF	1/2" ID, 0.020" Aluminum Insulation Jacketing	7.61	1.80
		For Stucco Embossed, Add	*0.00*	
		For Corrugated, Add	*0.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0553	LF	3/4" ID, 0.020" Aluminum Insulation Jacketing	7.90	1.84
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0554	LF	1" ID, 0.020" Aluminum Insulation Jacketing	8.21	1.89
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0555	LF	1-1/4" ID, 0.020" Aluminum Insulation Jacketing	8.52	1.93
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0556	LF	1-1/2" ID, 0.020" Aluminum Insulation Jacketing	8.76	1.96
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0557	LF	1-3/4" ID, 0.020" Aluminum Insulation Jacketing	9.00	1.99
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0558	LF	2" ID, 0.020" Aluminum Insulation Jacketing	9.29	2.03
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0559	LF	2-1/4" ID, 0.020" Aluminum Insulation Jacketing	9.58	2.07
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0560	LF	2-1/2" ID, 0.020" Aluminum Insulation Jacketing	9.90	2.11
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0561	LF	2-3/4" ID, 0.020" Aluminum Insulation Jacketing	10.18	2.15
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0562	LF	3" ID, 0.020" Aluminum Insulation Jacketing	10.51	2.20
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0563	LF	3-1/4" ID, 0.020" Aluminum Insulation Jacketing	10.83	2.25
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0564	LF	3-1/2" ID, 0.020" Aluminum Insulation Jacketing	11.16	2.30
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0565	LF	3-3/4" ID, 0.020" Aluminum Insulation Jacketing	11.45	2.34
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0566	LF	4" ID, 0.020" Aluminum Insulation Jacketing	11.81	2.39
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0567	LF	4-1/4" ID, 0.020" Aluminum Insulation Jacketing	12.17	2.45
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0568	LF	4-1/2" ID, 0.020" Aluminum Insulation Jacketing	12.57	2.52
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0569	LF	4-3/4" ID, 0.020" Aluminum Insulation Jacketing	12.89	2.56
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0570	LF	5" ID, 0.020" Aluminum Insulation Jacketing	13.29	2.63
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0571	LF	5-1/4" ID, 0.020" Aluminum Insulation Jacketing	13.70	2.70
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0572	LF	5-1/2" ID, 0.020" Aluminum Insulation Jacketing	14.06	2.76
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0573	LF	5-3/4" ID, 0.020" Aluminum Insulation Jacketing	14.51	2.85
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0574	LF	6" ID, 0.020" Aluminum Insulation Jacketing	14.98	2.93
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0575	LF	6-1/4" ID, 0.020" Aluminum Insulation Jacketing	15.28	2.98
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0576	LF	6-1/2" ID, 0.020" Aluminum Insulation Jacketing	15.59	3.02
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0577	LF	7" ID, 0.020" Aluminum Insulation Jacketing	16.11	3.09
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0578	LF	7-1/4" ID, 0.020" Aluminum Insulation Jacketing	16.54	3.16
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0579	LF	7-1/2" ID, 0.020" Aluminum Insulation Jacketing	16.86	3.21
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0580	LF	8" ID, 0.020" Aluminum Insulation Jacketing	17.34	3.27
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0581	LF	8-1/2" ID, 0.020" Aluminum Insulation Jacketing	17.81	3.32
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0582	LF	9" ID, 0.020" Aluminum Insulation Jacketing	18.40	3.41
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0583	LF	9-1/2" ID, 0.020" Aluminum Insulation Jacketing	18.90	3.47
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0584	LF	10" ID, 0.020" Aluminum Insulation Jacketing	19.40	3.53
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0585	LF	10-1/2" ID, 0.020" Aluminum Insulation Jacketing	19.91	3.59
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0586	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	20.57	3.69
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0587	LF	11-1/2" ID, 0.020" Aluminum Insulation Jacketing	21.11	3.76
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0588	LF	12" ID, 0.020" Aluminum Insulation Jacketing	21.67	3.83
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0589	LF	12-1/2" ID, 0.020" Aluminum Insulation Jacketing	22.38	3.95
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0590	LF	13" ID, 0.020" Aluminum Insulation Jacketing	22.79	4.00
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0591	LF	14" ID, 0.020" Aluminum Insulation Jacketing	23.47	4.04
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0592	LF	15" ID, 0.020" Aluminum Insulation Jacketing	24.32	4.12
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0593	LF	16" ID, 0.020" Aluminum Insulation Jacketing	25.01	4.16
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0594	LF	17" ID, 0.020" Aluminum Insulation Jacketing	25.88	4.25
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0595	LF	18" ID, 0.020" Aluminum Insulation Jacketing	26.40	4.30
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0596	LF	19" ID, 0.020" Aluminum Insulation Jacketing	27.46	4.39
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0597	LF	20" ID, 0.020" Aluminum Insulation Jacketing	28.19	4.44
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0598	LF	21" ID, 0.020" Aluminum Insulation Jacketing	29.10	4.54
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0599	LF	22" ID, 0.020" Aluminum Insulation Jacketing	29.81	4.60
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0600	LF	23" ID, 0.020" Aluminum Insulation Jacketing	30.78	4.70
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0601	LF	24" ID, 0.020" Aluminum Insulation Jacketing	31.51	4.76
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	

22 07 19 00-0602 24 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0493)*

22 07 19 00-0603	LF	1/2" ID, 0.024" Aluminum Insulation Jacketing	8.35	1.96
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.01*	
22 07 19 00-0604	LF	3/4" ID, 0.024" Aluminum Insulation Jacketing	8.68	2.01
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0605	LF	1" ID, 0.024" Aluminum Insulation Jacketing	9.02	2.06
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0606	LF	1-1/4" ID, 0.024" Aluminum Insulation Jacketing	9.37	2.10
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0607	LF	1-1/2" ID, 0.024" Aluminum Insulation Jacketing	9.66	2.14
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0608	LF	1-3/4" ID, 0.024" Aluminum Insulation Jacketing	9.94	2.17
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0609	LF	2" ID, 0.024" Aluminum Insulation Jacketing	10.27	2.21
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0610	LF	2-1/4" ID, 0.024" Aluminum Insulation Jacketing	10.60	2.26
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0611	LF	2-1/2" ID, 0.024" Aluminum Insulation Jacketing	10.96	2.31
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0612	LF	2-3/4" ID, 0.024" Aluminum Insulation Jacketing	11.26	2.34
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0613	LF	3" ID, 0.024" Aluminum Insulation Jacketing	11.64	2.39
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0614	LF	3-1/4" ID, 0.024" Aluminum Insulation Jacketing	12.01	2.45
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0615	LF	3-1/2" ID, 0.024" Aluminum Insulation Jacketing	12.39	2.50
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0616	LF	3-3/4" ID, 0.024" Aluminum Insulation Jacketing	12.71	2.55
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0617	LF	4" ID, 0.024" Aluminum Insulation Jacketing	13.12	2.61
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0618	LF	4-1/4" ID, 0.024" Aluminum Insulation Jacketing	13.53	2.67
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0619	LF	4-1/2" ID, 0.024" Aluminum Insulation Jacketing	13.98	2.74
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0620	LF	4-3/4" ID, 0.024" Aluminum Insulation Jacketing	14.34	2.80
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0621	LF	5" ID, 0.024" Aluminum Insulation Jacketing	14.79	2.88
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0622	LF	5-1/4" ID, 0.024" Aluminum Insulation Jacketing	15.25	2.96
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0623	LF	5-1/2" ID, 0.024" Aluminum Insulation Jacketing	15.65	3.02
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0624	LF	5-3/4" ID, 0.024" Aluminum Insulation Jacketing	16.17	3.10
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0625	LF	6" ID, 0.024" Aluminum Insulation Jacketing	16.68	3.20
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0626	LF	6-1/4" ID, 0.024" Aluminum Insulation Jacketing	17.02	3.24
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0627	LF	6-1/2" ID, 0.024" Aluminum Insulation Jacketing	17.39	3.29
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0628	LF	7" ID, 0.024" Aluminum Insulation Jacketing	17.97	3.37
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0629	LF	7-1/4" ID, 0.024" Aluminum Insulation Jacketing	18.45	3.45
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0630	LF	7-1/2" ID, 0.024" Aluminum Insulation Jacketing	18.82	3.50
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0631	LF	8" ID, 0.024" Aluminum Insulation Jacketing	19.37	3.56
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0632	LF	8-1/2" ID, 0.024" Aluminum Insulation Jacketing	19.90	3.62
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0633	LF	9" ID, 0.024" Aluminum Insulation Jacketing	20.58	3.71
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0634	LF	9-1/2" ID, 0.024" Aluminum Insulation Jacketing	21.15	3.78
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0635	LF	10" ID, 0.024" Aluminum Insulation Jacketing	21.73	3.85
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0636	LF	10-1/2" ID, 0.024" Aluminum Insulation Jacketing	22.31	3.91
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0637	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	23.06	4.03
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0638	LF	11-1/2" ID, 0.024" Aluminum Insulation Jacketing	23.68	4.11
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0639	LF	12" ID, 0.024" Aluminum Insulation Jacketing	24.31	4.19
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0640	LF	12-1/2" ID, 0.024" Aluminum Insulation Jacketing	25.10	4.31
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0641	LF	13" ID, 0.024" Aluminum Insulation Jacketing	25.59	4.36
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0642	LF	14" ID, 0.024" Aluminum Insulation Jacketing	26.39	4.40
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0643	LF	15" ID, 0.024" Aluminum Insulation Jacketing	27.36	4.49
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0644	LF	16" ID, 0.024" Aluminum Insulation Jacketing	28.17	4.54
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0645	LF	17" ID, 0.024" Aluminum Insulation Jacketing	29.16	4.64
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0646	LF	18" ID, 0.024" Aluminum Insulation Jacketing	29.79	4.68
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0647	LF	19" ID, 0.024" Aluminum Insulation Jacketing	31.01	4.79
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0648	LF	20" ID, 0.024" Aluminum Insulation Jacketing	31.86	4.84
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0649	LF	21" ID, 0.024" Aluminum Insulation Jacketing	32.90	4.95
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0650	LF	22" ID, 0.024" Aluminum Insulation Jacketing	33.75	5.01
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0651	LF	23" ID, 0.024" Aluminum Insulation Jacketing	34.84	5.14
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0652	LF	24" ID, 0.024" Aluminum Insulation Jacketing	35.68	5.20
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	

22 07 19 00-0653 32 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0493)*

22 07 19 00-0654	LF	1/2" ID, 0.032" Aluminum Insulation Jacketing	9.37	2.17
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0655	LF	3/4" ID, 0.032" Aluminum Insulation Jacketing	9.78	2.22
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0656	LF	1" ID, 0.032" Aluminum Insulation Jacketing	10.19	2.28
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0657	LF	1-1/4" ID, 0.032" Aluminum Insulation Jacketing	10.61	2.33
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0658	LF	1-1/2" ID, 0.032" Aluminum Insulation Jacketing	10.96	2.36
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0659	LF	1-3/4" ID, 0.032" Aluminum Insulation Jacketing	11.30	2.40
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0660	LF	2" ID, 0.032" Aluminum Insulation Jacketing	11.71	2.45
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0661	LF	2-1/4" ID, 0.032" Aluminum Insulation Jacketing	12.12	2.50
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0662	LF	2-1/2" ID, 0.032" Aluminum Insulation Jacketing	12.55	2.55
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0663	LF	2-3/4" ID, 0.032" Aluminum Insulation Jacketing	12.93	2.59
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0664	LF	3" ID, 0.032" Aluminum Insulation Jacketing	13.39	2.65
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0665	LF	3-1/4" ID, 0.032" Aluminum Insulation Jacketing	13.83	2.71
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0666	LF	3-1/2" ID, 0.032" Aluminum Insulation Jacketing	14.28	2.77
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0667	LF	3-3/4" ID, 0.032" Aluminum Insulation Jacketing	14.68	2.82
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0668	LF	4" ID, 0.032" Aluminum Insulation Jacketing	15.16	2.90
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0669	LF	4-1/4" ID, 0.032" Aluminum Insulation Jacketing	15.65	2.97
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0670	LF	4-1/2" ID, 0.032" Aluminum Insulation Jacketing	16.19	3.05
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0671	LF	4-3/4" ID, 0.032" Aluminum Insulation Jacketing	16.62	3.11
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0672	LF	5" ID, 0.032" Aluminum Insulation Jacketing	17.15	3.19
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0673	LF	5-1/4" ID, 0.032" Aluminum Insulation Jacketing	17.72	3.27
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0674	LF	5-1/2" ID, 0.032" Aluminum Insulation Jacketing	18.19	3.34
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	
22 07 19 00-0675	LF	5-3/4" ID, 0.032" Aluminum Insulation Jacketing	18.80	3.44
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0676	LF	6" ID, 0.032" Aluminum Insulation Jacketing	19.40	3.54
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0677	LF	6-1/4" ID, 0.032" Aluminum Insulation Jacketing	19.82	3.59
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0678	LF	6-1/2" ID, 0.032" Aluminum Insulation Jacketing	20.25	3.65
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0679	LF	7" ID, 0.032" Aluminum Insulation Jacketing	20.97	3.73
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0680	LF	7-1/4" ID, 0.032" Aluminum Insulation Jacketing	21.53	3.82
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0681	LF	7-1/2" ID, 0.032" Aluminum Insulation Jacketing	21.98	3.88
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0682	LF	8" ID, 0.032" Aluminum Insulation Jacketing	22.66	3.95
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0683	LF	8-1/2" ID, 0.032" Aluminum Insulation Jacketing	23.32	4.02
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0684	LF	9" ID, 0.032" Aluminum Insulation Jacketing	24.14	4.12
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0685	LF	9-1/2" ID, 0.032" Aluminum Insulation Jacketing	24.86	4.19
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0686	LF	10" ID, 0.032" Aluminum Insulation Jacketing	25.57	4.27
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.21*	
22 07 19 00-0687	LF	10-1/2" ID, 0.032" Aluminum Insulation Jacketing	26.27	4.35
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0688	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	27.18	4.47
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0689	LF	11-1/2" ID, 0.032" Aluminum Insulation Jacketing	27.94	4.55
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0690	LF	12" ID, 0.032" Aluminum Insulation Jacketing	28.70	4.64
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0691	LF	12-1/2" ID, 0.032" Aluminum Insulation Jacketing	29.67	4.78
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.26*	
22 07 19 00-0692	LF	13" ID, 0.032" Aluminum Insulation Jacketing	30.27	4.82
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0693	LF	14" ID, 0.032" Aluminum Insulation Jacketing	31.30	4.87
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.30*	
22 07 19 00-0694	LF	15" ID, 0.032" Aluminum Insulation Jacketing	32.53	4.97
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0695	LF	16" ID, 0.032" Aluminum Insulation Jacketing	33.57	5.03
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0696	LF	17" ID, 0.032" Aluminum Insulation Jacketing	34.81	5.14
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.36*	
22 07 19 00-0697	LF	18" ID, 0.032" Aluminum Insulation Jacketing	35.59	5.20
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0698	LF	19" ID, 0.032" Aluminum Insulation Jacketing	37.15	5.31
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0699	LF	20" ID, 0.032" Aluminum Insulation Jacketing	38.22	5.37
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0700	LF	21" ID, 0.032" Aluminum Insulation Jacketing	39.53	5.49
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.44*	
22 07 19 00-0701	LF	22" ID, 0.032" Aluminum Insulation Jacketing	40.60	5.56
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.46*	
22 07 19 00-0702	LF	23" ID, 0.032" Aluminum Insulation Jacketing	41.95	5.69
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.48*	
22 07 19 00-0703	LF	24" ID, 0.032" Aluminum Insulation Jacketing	43.05	5.76
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	

22 07 19 00-0704 40 Mil, Aluminum Insulation Protective Jacketing With Polykraft Moisture Barrier And Bands *(22 07 19 00-0493)*

22 07 19 00-0705	LF	1/2" ID, 0.040" Aluminum Insulation Jacketing	10.86	2.50
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.02*	
22 07 19 00-0706	LF	3/4" ID, 0.040" Aluminum Insulation Jacketing	11.34	2.55
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0707	LF	1" ID, 0.040" Aluminum Insulation Jacketing	11.84	2.61
		For Stucco Embossed, Add	*0.01*	
		For Corrugated, Add	*0.03*	
22 07 19 00-0708	LF	1-1/4" ID, 0.040" Aluminum Insulation Jacketing	12.34	2.68
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.04*	
22 07 19 00-0709	LF	1-1/2" ID, 0.040" Aluminum Insulation Jacketing	12.77	2.72
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0710	LF	1-3/4" ID, 0.040" Aluminum Insulation Jacketing	13.18	2.76
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.05*	
22 07 19 00-0711	LF	2" ID, 0.040" Aluminum Insulation Jacketing	13.67	2.81
		For Stucco Embossed, Add	*0.02*	
		For Corrugated, Add	*0.06*	
22 07 19 00-0712	LF	2-1/4" ID, 0.040" Aluminum Insulation Jacketing	14.15	2.88
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0713	LF	2-1/2" ID, 0.040" Aluminum Insulation Jacketing	14.68	2.94
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.07*	
22 07 19 00-0714	LF	2-3/4" ID, 0.040" Aluminum Insulation Jacketing	15.14	2.99
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.08*	
22 07 19 00-0715	LF	3" ID, 0.040" Aluminum Insulation Jacketing	15.69	3.06
		For Stucco Embossed, Add	*0.03*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0716	LF	3-1/4" ID, 0.040" Aluminum Insulation Jacketing	16.21	3.13
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.09*	
22 07 19 00-0717	LF	3-1/2" ID, 0.040" Aluminum Insulation Jacketing	16.76	3.20
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.10*	
22 07 19 00-0718	LF	3-3/4" ID, 0.040" Aluminum Insulation Jacketing	17.24	3.25
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0719	LF	4" ID, 0.040" Aluminum Insulation Jacketing	17.82	3.33
		For Stucco Embossed, Add	*0.04*	
		For Corrugated, Add	*0.11*	
22 07 19 00-0720	LF	4-1/4" ID, 0.040" Aluminum Insulation Jacketing	18.40	3.41
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0721	LF	4-1/2" ID, 0.040" Aluminum Insulation Jacketing	19.03	3.50
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0722	LF	4-3/4" ID, 0.040" Aluminum Insulation Jacketing	19.56	3.57
		For Stucco Embossed, Add	*0.05*	
		For Corrugated, Add	*0.13*	
22 07 19 00-0723	LF	5" ID, 0.040" Aluminum Insulation Jacketing	20.20	3.66
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0724	LF	5-1/4" ID, 0.040" Aluminum Insulation Jacketing	20.85	3.76
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.14*	
22 07 19 00-0725	LF	5-1/2" ID, 0.040" Aluminum Insulation Jacketing	21.43	3.84
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.15*	
22 07 19 00-0726	LF	5-3/4" ID, 0.040" Aluminum Insulation Jacketing	22.16	3.95
		For Stucco Embossed, Add	*0.06*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0727	LF	6" ID, 0.040" Aluminum Insulation Jacketing	22.87	4.08
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.16*	
22 07 19 00-0728	LF	6-1/4" ID, 0.040" Aluminum Insulation Jacketing	23.38	4.14
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.17*	
22 07 19 00-0729	LF	6-1/2" ID, 0.040" Aluminum Insulation Jacketing	23.89	4.20
		For Stucco Embossed, Add	*0.07*	
		For Corrugated, Add	*0.18*	
22 07 19 00-0730	LF	7" ID, 0.040" Aluminum Insulation Jacketing	24.76	4.30
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.19*	
22 07 19 00-0731	LF	7-1/4" ID, 0.040" Aluminum Insulation Jacketing	25.43	4.40
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0732	LF	7-1/2" ID, 0.040" Aluminum Insulation Jacketing	25.97	4.47
		For Stucco Embossed, Add	*0.08*	
		For Corrugated, Add	*0.20*	
22 07 19 00-0733	LF	8" ID, 0.040" Aluminum Insulation Jacketing	26.79	4.55
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.22*	
22 07 19 00-0734	LF	8-1/2" ID, 0.040" Aluminum Insulation Jacketing	27.58	4.62
		For Stucco Embossed, Add	*0.09*	
		For Corrugated, Add	*0.23*	
22 07 19 00-0735	LF	9" ID, 0.040" Aluminum Insulation Jacketing	28.57	4.74
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.24*	
22 07 19 00-0736	LF	9-1/2" ID, 0.040" Aluminum Insulation Jacketing	29.45	4.82
		For Stucco Embossed, Add	*0.10*	
		For Corrugated, Add	*0.25*	
22 07 19 00-0737	LF	10" ID, 0.040" Aluminum Insulation Jacketing	30.30	4.90
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.27*	
22 07 19 00-0738	LF	10-1/2" ID, 0.040" Aluminum Insulation Jacketing	31.16	4.99
		For Stucco Embossed, Add	*0.11*	
		For Corrugated, Add	*0.28*	
22 07 19 00-0739	LF	11" ID, 0.0106 Aluminum Insulation Jacketing	32.23	5.14
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.29*	
22 07 19 00-0740	LF	11-1/2" ID, 0.040" Aluminum Insulation Jacketing	33.17	5.24
		For Stucco Embossed, Add	*0.12*	
		For Corrugated, Add	*0.31*	
22 07 19 00-0741	LF	12" ID, 0.040" Aluminum Insulation Jacketing	34.08	5.34
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.32*	
22 07 19 00-0742	LF	12-1/2" ID, 0.040" Aluminum Insulation Jacketing	35.22	5.50
		For Stucco Embossed, Add	*0.13*	
		For Corrugated, Add	*0.33*	
22 07 19 00-0743	LF	13" ID, 0.040" Aluminum Insulation Jacketing	35.97	5.55
		For Stucco Embossed, Add	*0.14*	
		For Corrugated, Add	*0.34*	
22 07 19 00-0744	LF	14" ID, 0.040" Aluminum Insulation Jacketing	37.24	5.61
		For Stucco Embossed, Add	*0.15*	
		For Corrugated, Add	*0.37*	
22 07 19 00-0745	LF	15" ID, 0.040" Aluminum Insulation Jacketing	38.72	5.73
		For Stucco Embossed, Add	*0.16*	
		For Corrugated, Add	*0.40*	
22 07 19 00-0746	LF	16" ID, 0.040" Aluminum Insulation Jacketing	40.01	5.79
		For Stucco Embossed, Add	*0.17*	
		For Corrugated, Add	*0.42*	
22 07 19 00-0747	LF	17" ID, 0.040" Aluminum Insulation Jacketing	41.53	5.91
		For Stucco Embossed, Add	*0.18*	
		For Corrugated, Add	*0.45*	
22 07 19 00-0748	LF	18" ID, 0.040" Aluminum Insulation Jacketing	42.49	5.97
		For Stucco Embossed, Add	*0.19*	
		For Corrugated, Add	*0.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0749	LF	19" ID, 0.040" Aluminum Insulation Jacketing	44.40	6.10
		For Stucco Embossed, Add	*0.20*	
		For Corrugated, Add	*0.50*	
22 07 19 00-0750	LF	20" ID, 0.040" Aluminum Insulation Jacketing	45.72	6.17
		For Stucco Embossed, Add	*0.21*	
		For Corrugated, Add	*0.53*	
22 07 19 00-0751	LF	21" ID, 0.040" Aluminum Insulation Jacketing	47.30	6.32
		For Stucco Embossed, Add	*0.22*	
		For Corrugated, Add	*0.55*	
22 07 19 00-0752	LF	22" ID, 0.040" Aluminum Insulation Jacketing	48.62	6.40
		For Stucco Embossed, Add	*0.23*	
		For Corrugated, Add	*0.58*	
22 07 19 00-0753	LF	23" ID, 0.040" Aluminum Insulation Jacketing	50.28	6.55
		For Stucco Embossed, Add	*0.24*	
		For Corrugated, Add	*0.60*	
22 07 19 00-0754	LF	24" ID, 0.040" Aluminum Insulation Jacketing	51.61	6.62
		For Stucco Embossed, Add	*0.25*	
		For Corrugated, Add	*0.63*	

22 07 19 00-0755 Aluminum Insulation Protective Jacketing For Fittings *(22 07 19 00-0493)*

22 07 19 00-0756	EA	1-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	15.32	2.56
22 07 19 00-0757	EA	1-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	15.69	2.66
22 07 19 00-0758	EA	2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.41	2.76
22 07 19 00-0759	EA	2-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.58	2.80
22 07 19 00-0760	EA	2-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	17.76	2.86
22 07 19 00-0761	EA	2-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.03	2.93
22 07 19 00-0762	EA	3" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	18.87	3.00
22 07 19 00-0763	EA	3-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	19.17	3.07
22 07 19 00-0764	EA	3-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	20.65	3.13
22 07 19 00-0765	EA	3-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.08	3.18
22 07 19 00-0766	EA	4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	21.81	3.27
22 07 19 00-0767	EA	4-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	22.30	3.33
22 07 19 00-0768	EA	4-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	22.55	3.39
22 07 19 00-0769	EA	4-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	22.81	3.45
22 07 19 00-0770	EA	5" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	24.23	3.52
22 07 19 00-0771	EA	5-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	26.06	3.59
22 07 19 00-0772	EA	5-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.38	3.70
22 07 19 00-0773	EA	5-3/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	29.68	3.78
22 07 19 00-0774	EA	6" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.04	3.90
22 07 19 00-0775	EA	6-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	28.39	4.00
22 07 19 00-0776	EA	6-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	31.48	4.13
22 07 19 00-0777	EA	7" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.07	4.23
22 07 19 00-0778	EA	7-1/4" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	35.27	4.28
22 07 19 00-0779	EA	7-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	44.01	4.33
22 07 19 00-0780	EA	8" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	37.43	4.38
22 07 19 00-0781	EA	8-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	54.76	4.49
22 07 19 00-0782	EA	9" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	55.21	4.61
22 07 19 00-0783	EA	9-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.72	4.66
22 07 19 00-0784	EA	10" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	45.97	4.73
22 07 19 00-0785	EA	10-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	46.81	4.79
22 07 19 00-0786	EA	11" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	47.07	4.85
22 07 19 00-0787	EA	11-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	51.39	4.99
22 07 19 00-0788	EA	12" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	51.67	5.06
22 07 19 00-0789	EA	12-1/2" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	76.76	5.21
22 07 19 00-0790	EA	13" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	77.08	5.29
22 07 19 00-0791	EA	14" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	96.78	5.45
22 07 19 00-0792	EA	15" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	100.88	5.61
22 07 19 00-0793	EA	16" ID, Aluminum 90 Degree LR Elbow Insulation Jacketing	108.36	5.70
22 07 19 00-0794	EA	2-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.66	2.86
22 07 19 00-0795	EA	2-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	16.93	2.93
22 07 19 00-0796	EA	3" ID, Aluminum 45 Degree Elbow Insulation Jacketing	17.91	3.00
22 07 19 00-0797	EA	3-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	18.21	3.07
22 07 19 00-0798	EA	3-1/2" ID Aluminum 45 Degree Elbow Insulation Jacketing	19.27	3.13
22 07 19 00-0799	EA	3-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.49	3.18
22 07 19 00-0800	EA	4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	19.95	3.27
22 07 19 00-0801	EA	4-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	21.16	3.33
22 07 19 00-0802	EA	4-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	21.41	3.39
22 07 19 00-0803	EA	4-3/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	21.67	3.45
22 07 19 00-0804	EA	5" ID, Aluminum 45 Degree Elbow Insulation Jacketing	23.31	3.52
22 07 19 00-0805	EA	5-1/4" ID, Aluminum 45 Degree Elbow Insulation Jacketing	23.59	3.59
22 07 19 00-0806	EA	5-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	24.48	3.70
22 07 19 00-0807	EA	6" ID, Aluminum 45 Degree Elbow Insulation Jacketing	25.28	3.90
22 07 19 00-0808	EA	6-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	29.86	4.13
22 07 19 00-0809	EA	7" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.25	4.23
22 07 19 00-0810	EA	7-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.78	4.33
22 07 19 00-0811	EA	8" ID, Aluminum 45 Degree Elbow Insulation Jacketing	30.99	4.38
22 07 19 00-0812	EA	8-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	34.72	4.49
22 07 19 00-0813	EA	9" ID, Aluminum 45 Degree Elbow Insulation Jacketing	35.17	4.61
22 07 19 00-0814	EA	9-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.92	4.66
22 07 19 00-0815	EA	10" ID, Aluminum 45 Degree Elbow Insulation Jacketing	42.17	4.73
22 07 19 00-0816	EA	10-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	40.91	4.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0817	EA	11" ID, Aluminum 45 Degree Elbow Insulation Jacketing	41.17	4.85
22 07 19 00-0818	EA	11-1/2" ID, Aluminum 45 Degree Elbow Insulation Jacketing	46.09	4.99
22 07 19 00-0819	EA	12" ID, Aluminum 45 Degree Elbow Insulation Jacketing	46.37	5.06
22 07 19 00-0820	EA	13" ID, Aluminum 45 Degree Elbow Insulation Jacketing	51.81	5.29
22 07 19 00-0821	EA	14" ID, Aluminum 45 Degree Elbow Insulation Jacketing	59.40	5.45
22 07 19 00-0822	EA	15" ID, Aluminum 45 Degree Elbow Insulation Jacketing	80.44	5.61
22 07 19 00-0823	EA	16" ID, Aluminum 45 Degree Elbow Insulation Jacketing	85.66	5.70
22 07 19 00-0824	EA	17" ID, Aluminum 45 Degree Elbow Insulation Jacketing	84.55	5.79
22 07 19 00-0825	EA	18" ID, Aluminum 45 Degree Elbow Insulation Jacketing	93.56	5.89
22 07 19 00-0826	EA	19" ID, Aluminum 45 Degree Elbow Insulation Jacketing	109.46	5.99
22 07 19 00-0827	EA	20" ID, Aluminum 45 Degree Elbow Insulation Jacketing	107.05	6.09
22 07 19 00-0828	EA	21" ID, Aluminum 45 Degree Elbow Insulation Jacketing	114.06	6.19
22 07 19 00-0829	EA	2-1/2" ID, Aluminum Tee Insulation Jacketing	52.37	4.09
22 07 19 00-0830	EA	2-3/4" ID, Aluminum Tee Insulation Jacketing	52.75	4.18
22 07 19 00-0831	EA	3" ID, Aluminum Tee Insulation Jacketing	57.83	4.28
22 07 19 00-0832	EA	3-1/4" ID, Aluminum Tee Insulation Jacketing	58.24	4.38
22 07 19 00-0833	EA	3-1/2" ID Aluminum Tee Insulation Jacketing	60.64	4.49
22 07 19 00-0834	EA	4" ID, Aluminum Tee Insulation Jacketing	61.55	4.61
22 07 19 00-0835	EA	4-1/4" ID, Aluminum Tee Insulation Jacketing	64.53	4.73
22 07 19 00-0836	EA	4-1/2" ID, Aluminum Tee Insulation Jacketing	64.66	4.85
22 07 19 00-0837	EA	4-3/4" ID, Aluminum Tee Insulation Jacketing	65.20	4.99
22 07 19 00-0838	EA	5" ID, Aluminum Tee Insulation Jacketing	67.46	5.14
22 07 19 00-0839	EA	5-1/4" ID, Aluminum Tee Insulation Jacketing	68.07	5.29
22 07 19 00-0840	EA	5-1/2" ID, Aluminum Tee Insulation Jacketing	70.78	5.45
22 07 19 00-0841	EA	6" ID, Aluminum Tee Insulation Jacketing	71.47	5.61
22 07 19 00-0842	EA	6-1/2" ID, Aluminum Tee Insulation Jacketing	77.79	5.99
22 07 19 00-0843	EA	7" ID, Aluminum Tee Insulation Jacketing	78.62	6.19
22 07 19 00-0844	EA	7-1/2" ID, Aluminum Tee Insulation Jacketing	85.54	6.42
22 07 19 00-0845	EA	8" ID, Aluminum Tee Insulation Jacketing	86.48	6.65
22 07 19 00-0846	EA	8-1/2" ID, Aluminum Tee Insulation Jacketing	89.08	6.91
22 07 19 00-0847	EA	9" ID, Aluminum Tee Insulation Jacketing	90.19	7.18
22 07 19 00-0848	EA	9-1/2" ID, Aluminum Tee Insulation Jacketing	74.93	7.33
22 07 19 00-0849	EA	10" ID, Aluminum Tee Insulation Jacketing	75.54	7.49
22 07 19 00-0850	EA	10-1/2" ID, Aluminum Tee Insulation Jacketing	79.16	7.65
22 07 19 00-0851	EA	11" ID, Aluminum Tee Insulation Jacketing	79.83	7.81
22 07 19 00-0852	EA	11-1/2" ID, Aluminum Tee Insulation Jacketing	83.16	7.98
22 07 19 00-0853	EA	12" ID, Aluminum Tee Insulation Jacketing	83.89	8.16
22 07 19 00-0854	EA	13" ID, Aluminum Tee Insulation Jacketing	87.19	8.35
22 07 19 00-0855	EA	14" ID, Aluminum Tee Insulation Jacketing	90.63	8.56
22 07 19 00-0856	EA	15" ID, Aluminum Tee Insulation Jacketing	96.06	8.77
22 07 19 00-0857	EA	16" ID, Aluminum Tee Insulation Jacketing	98.47	8.98
22 07 19 00-0858	EA	17" ID, Aluminum Tee Insulation Jacketing	108.75	9.21
22 07 19 00-0859	EA	18" ID, Aluminum Tee Insulation Jacketing	112.52	9.45
22 07 19 00-0860	EA	19" ID, Aluminum Tee Insulation Jacketing	121.45	9.71
22 07 19 00-0861	EA	20" ID, Aluminum Tee Insulation Jacketing	124.34	9.98
22 07 19 00-0862	EA	22" ID, Aluminum Tee Insulation Jacketing	148.44	10.26
22 07 19 00-0863	EA	23" ID, Aluminum Tee Insulation Jacketing	152.64	10.56
22 07 19 00-0864	EA	24" ID, Aluminum Tee Insulation Jacketing	159.60	11.59

22 07 19 00-0865 Stainless Steel Insulation Protective Jacketing With Bands *(22 07 19 00-0492)*

22 07 19 00-0866 Type 304 Stainless Steel Roll, Insulation Protective Jacketing With Bands *(22 07 19 00-0865)*

22 07 19 00-0867	SF	0.010" Stainless Steel Insulation Jacket With Bands	16.90	6.74
22 07 19 00-0868	SF	0.016" Stainless Steel Insulation Jacket With Bands	20.77	8.08

22 07 19 00-0869 10 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0865)*

22 07 19 00-0870	LF	2-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	9.27	1.43
22 07 19 00-0871	LF	2-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	9.69	1.46
22 07 19 00-0872	LF	3" ID, 0.010" Stainless Steel Insulation Jacketing	10.13	1.49
22 07 19 00-0873	LF	3-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	10.57	1.53
22 07 19 00-0874	LF	3-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	11.03	1.56
22 07 19 00-0875	LF	3-3/4" ID, 0.010" Stainless Steel Insulation Jacketing	11.48	1.59
22 07 19 00-0876	LF	4" ID, 0.010" Stainless Steel Insulation Jacketing	11.94	1.63
22 07 19 00-0877	LF	4-1/4" ID, 0.010" Stainless Steel Insulation Jacketing	12.40	1.67
22 07 19 00-0878	LF	4-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	12.86	1.72
22 07 19 00-0879	LF	5" ID, 0.010" Stainless Steel Insulation Jacketing	13.83	1.80
22 07 19 00-0880	LF	5-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	14.85	1.89
22 07 19 00-0881	LF	6" ID, 0.010" Stainless Steel Insulation Jacketing	15.88	2.00
22 07 19 00-0882	LF	6-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	16.73	2.06
22 07 19 00-0883	LF	7" ID, 0.010" Stainless Steel Insulation Jacketing	17.60	2.11
22 07 19 00-0884	LF	7-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	18.54	2.19
22 07 19 00-0885	LF	8" ID, 0.010" Stainless Steel Insulation Jacketing	19.33	2.23
22 07 19 00-0886	LF	8-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	20.12	2.27
22 07 19 00-0887	LF	9" ID, 0.010" Stainless Steel Insulation Jacketing	20.92	2.32
22 07 19 00-0888	LF	9-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	21.72	2.36
22 07 19 00-0889	LF	10" ID, 0.010" Stainless Steel Insulation Jacketing	22.55	2.41
22 07 19 00-0890	LF	10-1/2" ID, 0.010" Stainless Steel Insulation Jacketing	23.38	2.46

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0891	LF	11" ID, 0.010" Stainless Steel Insulation Jacketing	24.20	2.51
22 07 19 00-0892	LF	12" ID, 0.010" Stainless Steel Insulation Jacketing	25.89	2.62
22 07 19 00-0893	LF	13" ID, 0.010" Stainless Steel Insulation Jacketing	27.54	2.72
22 07 19 00-0894	LF	14" ID, 0.010" Stainless Steel Insulation Jacketing	28.96	2.76

22 07 19 00-0895 16 Mil, Type 304 Stainless Steel, Insulation Protective Jacketing With Moisture Barrier And Bands *(22 07 19 00-0865)*

22 07 19 00-0896	LF	2-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	12.75	1.91
22 07 19 00-0897	LF	2-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	13.35	1.95
22 07 19 00-0898	LF	3" ID, 0.016" Stainless Steel Insulation Jacketing	13.96	1.99
22 07 19 00-0899	LF	3-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	14.60	2.04
22 07 19 00-0900	LF	3-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	15.23	2.08
22 07 19 00-0901	LF	3-3/4" ID, 0.016" Stainless Steel Insulation Jacketing	15.87	2.12
22 07 19 00-0902	LF	4" ID, 0.016" Stainless Steel Insulation Jacketing	16.52	2.17
22 07 19 00-0903	LF	4-1/4" ID, 0.016" Stainless Steel Insulation Jacketing	17.17	2.22
22 07 19 00-0904	LF	4-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	17.83	2.28
22 07 19 00-0905	LF	5" ID, 0.016" Stainless Steel Insulation Jacketing	19.20	2.39
22 07 19 00-0906	LF	5-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	20.61	2.51
22 07 19 00-0907	LF	6" ID, 0.016" Stainless Steel Insulation Jacketing	22.07	2.65
22 07 19 00-0908	LF	6-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	23.28	2.73
22 07 19 00-0909	LF	7" ID, 0.016" Stainless Steel Insulation Jacketing	24.51	2.81
22 07 19 00-0910	LF	7-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	25.82	2.92
22 07 19 00-0911	LF	8" ID, 0.016" Stainless Steel Insulation Jacketing	26.94	2.97
22 07 19 00-0912	LF	8-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	28.08	3.03
22 07 19 00-0913	LF	9" ID, 0.016" Stainless Steel Insulation Jacketing	29.23	3.09
22 07 19 00-0914	LF	9-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	30.37	3.15
22 07 19 00-0915	LF	10" ID, 0.016" Stainless Steel Insulation Jacketing	31.52	3.21
22 07 19 00-0916	LF	10-1/2" ID, 0.016" Stainless Steel Insulation Jacketing	32.72	3.27
22 07 19 00-0917	LF	11" ID, 0.0106 Stainless Steel Insulation Jacketing	33.89	3.34
22 07 19 00-0918	LF	12" ID, 0.016" Stainless Steel Insulation Jacketing	36.27	3.49
22 07 19 00-0919	LF	13" ID, 0.016" Stainless Steel Insulation Jacketing	38.63	3.62
22 07 19 00-0920	LF	14" ID, 0.016" Stainless Steel Insulation Jacketing	40.65	3.67

22 07 19 00-0921 Type 316 Stainless Steel Insulation Protective Jacketing For Fittings *(22 07 19 00-0865)*

22 07 19 00-0922	EA	2-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	26.95	2.86
22 07 19 00-0923	EA	2-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	27.22	2.93
22 07 19 00-0924	EA	3" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	28.23	3.00
22 07 19 00-0925	EA	3-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	28.53	3.07
22 07 19 00-0926	EA	3-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	29.57	3.13
22 07 19 00-0927	EA	3-3/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	30.76	3.18
22 07 19 00-0928	EA	4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	32.91	3.27
22 07 19 00-0929	EA	4-1/4" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	39.67	3.33
22 07 19 00-0930	EA	4-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	39.92	3.39
22 07 19 00-0931	EA	5" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	41.06	3.52
22 07 19 00-0932	EA	5-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	55.03	3.70
22 07 19 00-0933	EA	6" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	59.76	3.90
22 07 19 00-0934	EA	6-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	77.27	4.13
22 07 19 00-0935	EA	7" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	77.66	4.23
22 07 19 00-0936	EA	7-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	88.24	4.33
22 07 19 00-0937	EA	8" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	88.90	4.49
22 07 19 00-0938	EA	8-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	91.32	4.49
22 07 19 00-0939	EA	9" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	129.98	4.61
22 07 19 00-0940	EA	9-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	128.28	4.66
22 07 19 00-0941	EA	10" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	128.53	4.73
22 07 19 00-0942	EA	10-1/2" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	150.32	4.79
22 07 19 00-0943	EA	11" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	144.63	4.85
22 07 19 00-0944	EA	12" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	162.38	5.06
22 07 19 00-0945	EA	13" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	218.08	5.29
22 07 19 00-0946	EA	14" ID, Stainless Steel 90 Degree LR Elbow Insulation Jacketing	220.04	5.45
22 07 19 00-0947	EA	2-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	24.37	2.86
22 07 19 00-0948	EA	2-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	24.64	2.93
22 07 19 00-0949	EA	3" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	25.92	3.00
22 07 19 00-0950	EA	3-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	26.22	3.07
22 07 19 00-0951	EA	3-1/2" ID Stainless Steel 45 Degree Elbow Insulation Jacketing	26.61	3.13
22 07 19 00-0952	EA	3-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	26.83	3.18
22 07 19 00-0953	EA	4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	31.21	3.27
22 07 19 00-0954	EA	4-1/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	38.78	3.33
22 07 19 00-0955	EA	4-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	39.03	3.39
22 07 19 00-0956	EA	4-3/4" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	39.29	3.45
22 07 19 00-0957	EA	5" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	39.99	3.52
22 07 19 00-0958	EA	5-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	40.72	3.70
22 07 19 00-0959	EA	6" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	46.35	3.90
22 07 19 00-0960	EA	6-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	47.25	4.13
22 07 19 00-0961	EA	7" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	68.90	4.23
22 07 19 00-0962	EA	7-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	70.37	4.33
22 07 19 00-0963	EA	8" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	70.58	4.38
22 07 19 00-0964	EA	8-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	80.06	4.49
22 07 19 00-0965	EA	9" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	80.51	4.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-0966	EA	9-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	91.56	4.66
22 07 19 00-0967	EA	10" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	91.81	4.73
22 07 19 00-0968	EA	10-1/2" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	106.77	4.79
22 07 19 00-0969	EA	11" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	107.03	4.85
22 07 19 00-0970	EA	12" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	115.39	5.06
22 07 19 00-0971	EA	13" ID, Stainless Steel 45 Degree Elbow Insulation Jacketing	133.10	5.29

22 07 19 00-0972 Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0492)*

22 07 19 00-0973 20 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0972)*

22 07 19 00-0974	LF	1-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.63	1.33
22 07 19 00-0975	LF	2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	5.93	1.38
22 07 19 00-0976	LF	2-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.22	1.43
22 07 19 00-0977	LF	3" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.56	1.49
22 07 19 00-0978	LF	3-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	6.90	1.56
22 07 19 00-0979	LF	4" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.27	1.63
22 07 19 00-0980	LF	4-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	7.66	1.72
22 07 19 00-0981	LF	5" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.08	1.80
22 07 19 00-0982	LF	5-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	8.55	1.89
22 07 19 00-0983	LF	6" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.05	2.00
22 07 19 00-0984	LF	6-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.37	2.06
22 07 19 00-0985	LF	7" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	9.68	2.11
22 07 19 00-0986	LF	7-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.10	2.19
22 07 19 00-0987	LF	8" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.34	2.23
22 07 19 00-0988	LF	8-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.59	2.27
22 07 19 00-0989	LF	9" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	10.85	2.32
22 07 19 00-0990	LF	9-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.12	2.36
22 07 19 00-0991	LF	10" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.39	2.41
22 07 19 00-0992	LF	10-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.68	2.46
22 07 19 00-0993	LF	11" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	11.97	2.51
22 07 19 00-0994	LF	11-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.27	2.56
22 07 19 00-0995	LF	12" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.57	2.62
22 07 19 00-0996	LF	12-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	12.90	2.68
22 07 19 00-0997	LF	13" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.14	2.72
22 07 19 00-0998	LF	13-1/2" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.23	2.72
22 07 19 00-0999	LF	14" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.48	2.76
22 07 19 00-1000	LF	15" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	13.83	2.80
22 07 19 00-1001	LF	16" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.17	2.86
22 07 19 00-1002	LF	17" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.52	2.90
22 07 19 00-1003	LF	18" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	14.89	2.95
22 07 19 00-1004	LF	19" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.25	3.00
22 07 19 00-1005	LF	20" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	15.62	3.05
22 07 19 00-1006	LF	21" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.00	3.10
22 07 19 00-1007	LF	22" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.39	3.15
22 07 19 00-1008	LF	23" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	16.77	3.21
22 07 19 00-1009	LF	24" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.19	3.27
22 07 19 00-1010	LF	25" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	17.60	3.33
22 07 19 00-1011	LF	26" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.01	3.39
22 07 19 00-1012	LF	27" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.45	3.45
22 07 19 00-1013	LF	28" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	18.88	3.52
22 07 19 00-1014	LF	29" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.33	3.59
22 07 19 00-1015	LF	30" ID, 0.02" Polyvinyl Chloride (PVC) Insulation Jacketing	19.81	3.66

22 07 19 00-1016 30 Mil Polyvinyl Chloride (PVC) Insulation Protective Jacketing *(22 07 19 00-0972)*

22 07 19 00-1017	LF	2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.11	1.38
22 07 19 00-1018	LF	2-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.46	1.43
22 07 19 00-1019	LF	3" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	6.84	1.49
22 07 19 00-1020	LF	3-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.21	1.56
22 07 19 00-1021	LF	4" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	7.62	1.63
22 07 19 00-1022	LF	4-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.05	1.72
22 07 19 00-1023	LF	5" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	8.51	1.80
22 07 19 00-1024	LF	5-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.03	1.89
22 07 19 00-1025	LF	6" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.56	2.00
22 07 19 00-1026	LF	6-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	9.91	2.06
22 07 19 00-1027	LF	7" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.28	2.11
22 07 19 00-1028	LF	7-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	10.73	2.19
22 07 19 00-1029	LF	8" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.02	2.23
22 07 19 00-1030	LF	8-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.31	2.27
22 07 19 00-1031	LF	9" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.61	2.32
22 07 19 00-1032	LF	9-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	11.91	2.36
22 07 19 00-1033	LF	10" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.24	2.41
22 07 19 00-1034	LF	10-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.56	2.46
22 07 19 00-1035	LF	11" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	12.89	2.51
22 07 19 00-1036	LF	11-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.23	2.56
22 07 19 00-1037	LF	12" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.57	2.62
22 07 19 00-1038	LF	12-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	13.94	2.68
22 07 19 00-1039	LF	13" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.24	2.72
22 07 19 00-1040	LF	13-1/2" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.36	2.72
22 07 19 00-1041	LF	14" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	14.65	2.76

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1042	LF	15" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.07	2.80
22 07 19 00-1043	LF	16" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.50	2.86
22 07 19 00-1044	LF	17" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	15.93	2.90
22 07 19 00-1045	LF	18" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.38	2.95
22 07 19 00-1046	LF	19" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	16.83	3.00
22 07 19 00-1047	LF	20" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.28	3.05
22 07 19 00-1048	LF	21" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	17.74	3.10
22 07 19 00-1049	LF	22" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.21	3.15
22 07 19 00-1050	LF	23" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	18.67	3.21
22 07 19 00-1051	LF	24" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.16	3.27
22 07 19 00-1052	LF	25" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	19.66	3.33
22 07 19 00-1053	LF	26" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.16	3.39
22 07 19 00-1054	LF	27" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	20.67	3.45
22 07 19 00-1055	LF	28" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.19	3.52
22 07 19 00-1056	LF	29" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	21.72	3.59
22 07 19 00-1057	LF	30" ID, 0.03" Polyvinyl Chloride (PVC) Insulation Jacketing	22.27	3.66

22 07 19 00-1058 Polyvinyl Chloride (PVC) Insulation Protective Jacketing For Fittings *(22 07 19 00-0972)*

22 07 19 00-1059	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.32	2.66
22 07 19 00-1060	EA	2" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	11.91	2.76
22 07 19 00-1061	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.18	2.80
22 07 19 00-1062	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.45	2.86
22 07 19 00-1063	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	12.81	2.93
22 07 19 00-1064	EA	3" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.17	3.00
22 07 19 00-1065	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	13.75	3.10
22 07 19 00-1066	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.24	3.18
22 07 19 00-1067	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	14.99	3.27
22 07 19 00-1068	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	16.00	3.42
22 07 19 00-1069	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	17.07	3.59
22 07 19 00-1070	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	18.68	3.78
22 07 19 00-1071	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	21.90	4.00
22 07 19 00-1072	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	22.76	4.13
22 07 19 00-1073	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	24.73	4.23
22 07 19 00-1074	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	25.52	4.33
22 07 19 00-1075	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	28.53	4.49
22 07 19 00-1076	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	32.76	4.66
22 07 19 00-1077	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	35.16	4.85
22 07 19 00-1078	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	38.28	5.06
22 07 19 00-1079	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	43.92	5.29
22 07 19 00-1080	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	47.81	5.45
22 07 19 00-1081	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	50.44	5.61
22 07 19 00-1082	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	53.35	5.70
22 07 19 00-1083	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	57.07	5.79
22 07 19 00-1084	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	67.27	5.89
22 07 19 00-1085	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	83.29	5.99
22 07 19 00-1086	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 90 Degree Elbow Insulation Jacketing	100.62	6.09
22 07 19 00-1087	EA	1-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.32	2.66
22 07 19 00-1088	EA	2" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	11.91	2.76
22 07 19 00-1089	EA	2-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.18	2.80
22 07 19 00-1090	EA	2-1/2"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.45	2.86
22 07 19 00-1091	EA	2-3/4"ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	12.81	2.93
22 07 19 00-1092	EA	3" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.17	3.00
22 07 19 00-1093	EA	3-3/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	13.75	3.10
22 07 19 00-1094	EA	3-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.24	3.18
22 07 19 00-1095	EA	4-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	14.99	3.27
22 07 19 00-1096	EA	4-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	16.00	3.42
22 07 19 00-1097	EA	5-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	17.07	3.59
22 07 19 00-1098	EA	5-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	18.68	3.78
22 07 19 00-1099	EA	6-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	21.90	4.00
22 07 19 00-1100	EA	6-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	22.76	4.13
22 07 19 00-1101	EA	7-1/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	24.73	4.23
22 07 19 00-1102	EA	7-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	25.52	4.33
22 07 19 00-1103	EA	8-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	28.53	4.49
22 07 19 00-1104	EA	9-3/4" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	32.76	4.66
22 07 19 00-1105	EA	10-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	35.15	4.85
22 07 19 00-1106	EA	11-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	37.59	5.06
22 07 19 00-1107	EA	12-7/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	40.50	5.29
22 07 19 00-1108	EA	14-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	43.89	5.45
22 07 19 00-1109	EA	15-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	46.20	5.61
22 07 19 00-1110	EA	16-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	49.92	5.70
22 07 19 00-1111	EA	17-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	53.71	5.79
22 07 19 00-1112	EA	18-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	60.87	5.89
22 07 19 00-1113	EA	19-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	74.84	5.99
22 07 19 00-1114	EA	20-1/8" ID, Polyvinyl Chloride (PVC) 45 Degree Elbow Insulation Jacketing	81.99	6.09
22 07 19 00-1115	EA	1-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.26	3.74
22 07 19 00-1116	EA	2" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	16.75	3.82
22 07 19 00-1117	EA	2-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	17.38	3.94
22 07 19 00-1118	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	18.07	4.09
22 07 19 00-1119	EA	2-3/4"ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	18.83	4.23
22 07 19 00-1120	EA	3" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	19.60	4.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 07 19 00-1121	EA	3-3/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	20.58	4.55
22 07 19 00-1122	EA	3-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	21.62	4.73
22 07 19 00-1123	EA	4-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	22.89	4.92
22 07 19 00-1124	EA	4-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	24.52	5.14
22 07 19 00-1125	EA	5-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	26.25	5.37
22 07 19 00-1126	EA	5-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	29.19	5.70
22 07 19 00-1127	EA	6-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	32.33	5.99
22 07 19 00-1128	EA	6-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	34.72	6.09
22 07 19 00-1129	EA	7-1/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	41.97	6.31
22 07 19 00-1130	EA	7-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	44.99	6.65
22 07 19 00-1131	EA	8-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	49.99	6.91
22 07 19 00-1132	EA	9-3/4" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	55.10	7.18
22 07 19 00-1133	EA	10-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	56.62	7.49
22 07 19 00-1134	EA	11-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	60.22	7.65
22 07 19 00-1135	EA	12-7/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	63.84	7.81
22 07 19 00-1136	EA	14-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	67.52	7.98
22 07 19 00-1137	EA	15-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	71.20	8.16
22 07 19 00-1138	EA	16-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	74.92	8.35
22 07 19 00-1139	EA	17-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	78.65	8.56
22 07 19 00-1140	EA	18-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	83.96	8.77
22 07 19 00-1141	EA	19-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	89.29	8.98
22 07 19 00-1142	EA	20-1/8" ID, Polyvinyl Chloride (PVC) Tee Insulation Jacketing	95.65	9.21
22 07 19 00-1143	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	15.68	2.56
22 07 19 00-1144	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	15.68	2.56
22 07 19 00-1145	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	17.49	2.66
22 07 19 00-1146	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	17.49	2.66
22 07 19 00-1147	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	21.87	2.76
22 07 19 00-1148	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	23.50	2.88
22 07 19 00-1149	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	25.42	3.00
22 07 19 00-1150	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	28.06	3.13
22 07 19 00-1151	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	30.41	3.27
22 07 19 00-1152	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	35.92	3.59
22 07 19 00-1153	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	47.81	4.00
22 07 19 00-1154	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	52.64	4.49
22 07 19 00-1155	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	63.52	4.79
22 07 19 00-1156	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	84.94	5.29
22 07 19 00-1157	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	86.02	5.53
22 07 19 00-1158	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	109.73	5.70
22 07 19 00-1159	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 90 Degree Elbow Insulation Jacketing	143.09	5.89
22 07 19 00-1160	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	15.08	2.56
22 07 19 00-1161	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	15.08	2.56
22 07 19 00-1162	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	16.77	2.66
22 07 19 00-1163	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	16.77	2.66
22 07 19 00-1164	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	20.69	2.76
22 07 19 00-1165	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	22.18	2.88
22 07 19 00-1166	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	23.98	3.00
22 07 19 00-1167	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	25.16	3.13
22 07 19 00-1168	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	28.49	3.27
22 07 19 00-1169	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	33.55	3.59
22 07 19 00-1170	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	44.31	4.00
22 07 19 00-1171	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	48.81	4.49
22 07 19 00-1172	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	58.64	4.79
22 07 19 00-1173	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	77.96	5.29
22 07 19 00-1174	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	96.02	5.53
22 07 19 00-1175	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	112.35	5.70
22 07 19 00-1176	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover 45 Degree Elbow Insulation Jacketing	129.24	5.89
22 07 19 00-1177	EA	3/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	22.51	3.86
22 07 19 00-1178	EA	1" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	22.51	3.86
22 07 19 00-1179	EA	1-1/4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	24.87	4.00
22 07 19 00-1180	EA	1-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	24.87	4.00
22 07 19 00-1181	EA	2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	30.56	4.13
22 07 19 00-1182	EA	2-1/2"ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	32.73	4.28
22 07 19 00-1183	EA	3" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	35.44	4.49
22 07 19 00-1184	EA	3-1/2" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	37.18	4.66
22 07 19 00-1185	EA	4" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	42.29	4.92
22 07 19 00-1186	EA	5" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	46.36	5.37
22 07 19 00-1187	EA	6" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	60.80	5.99
22 07 19 00-1188	EA	8" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	66.55	6.65
22 07 19 00-1189	EA	10" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	86.42	7.18
22 07 19 00-1190	EA	12" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	114.16	7.81
22 07 19 00-1191	EA	14" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	133.57	8.35
22 07 19 00-1192	EA	16" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	154.35	8.56
22 07 19 00-1193	EA	18" ID, Polyvinyl Chloride (PVC) Mechanical Grooved Fitting Cover Tee Insulation Jacketing	167.39	8.77

22 07 19 00-1194 Insulation Foam Rubber *(22 07 19)*

22 07 19 00-1195 Covering 4x6 Sheet *(22 07 19 00-1194)*

22 07 19 00-1196	SF	1" Thick Foam Rubber Sheet Insulation	17.44	6.38

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 10 Plumbing Piping *(22)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

22 11 Facility Water Distribution *(22 10)*

22 11 16 Domestic Water Piping *(22 11)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks. See CSI section 23 21 13 00-0000 for black steel piping and fitting.

22 11 16 00-0001 Galvanized Steel Pipe Assemblies *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled. Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

22 11 16 00-0002	LF	1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	16.21	3.73
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.20*	
		For ASTM 120, Deduct	*-0.57*	
		For Work In Restricted Working Space, Add	*3.71*	
22 11 16 00-0003	LF	3/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	17.77	4.01
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.72*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*3.93*	
22 11 16 00-0004	LF	1" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	20.04	4.39
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.52*	
		For ASTM 120, Deduct	*-0.90*	
		For Work In Restricted Working Space, Add	*4.20*	
22 11 16 00-0005	LF	1-1/4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	23.54	4.58
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*6.88*	
		For ASTM 120, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*4.46*	
22 11 16 00-0006	LF	1-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	25.30	5.42
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*7.51*	
		For ASTM 120, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*4.65*	
22 11 16 00-0007	LF	2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	30.50	6.53
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*9.31*	
		For ASTM 120, Deduct	*-1.93*	
		For Work In Restricted Working Space, Add	*5.30*	
22 11 16 00-0008	LF	2-1/2" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	44.91	7.74
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*15.04*	
		For ASTM 120, Deduct	*-3.63*	
		For Work In Restricted Working Space, Add	*6.20*	
22 11 16 00-0009	LF	3" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	55.20	10.36
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*18.57*	
		For ASTM 120, Deduct	*-4.52*	
		For Work In Restricted Working Space, Add	*7.52*	
22 11 16 00-0010	LF	4" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	86.86	12.00
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*32.08*	
		For ASTM 120, Deduct	*-8.82*	
		For Work In Restricted Working Space, Add	*8.41*	
22 11 16 00-0011	LF	5" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	157.05	15.33
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*62.21*	
		For ASTM 120, Deduct	*-18.48*	
		For Work In Restricted Working Space, Add	*10.16*	
22 11 16 00-0012	LF	6" Schedule 40 Threaded Galvanized Steel Pipe With 150 LB Malleable Iron Fitting Assembly	188.80	18.13
		Note: Includes all hangers and all galvanized malleable iron fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.		
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*75.34*	
		For ASTM 120, Deduct	*-22.55*	
		For Work In Restricted Working Space, Add	*11.54*	

22 11 16 00-0013 Galvanized Steel Pipe And Threaded Fittings *(22 11 16)*

Note: (ASTM A-53) Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0014		**Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe** *(22 11 16 00-0013)*		
		Note: ASTM A-53. Includes coupling. Welded pipe has a weld bead on the inside.		
22 11 16 00-0015	LF	1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	7.45	3.73
		For Schedule 80 Pipe, Add	*1.43*	
		For ASTM 120, Deduct	*-0.27*	
		For Work In Restricted Working Space, Add	*1.70*	
22 11 16 00-0016	LF	3/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	8.39	4.01
		For Schedule 80 Pipe, Add	*1.74*	
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*1.81*	
22 11 16 00-0017	LF	1" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	10.04	4.39
		For Schedule 80 Pipe, Add	*2.34*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*1.96*	
22 11 16 00-0018	LF	1-1/4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	11.68	4.58
		For Schedule 80 Pipe, Add	*2.98*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*2.08*	
22 11 16 00-0019	LF	1-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	13.81	5.42
		For Schedule 80 Pipe, Add	*3.54*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*2.44*	
22 11 16 00-0020	LF	2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	17.47	6.53
		For Schedule 80 Pipe, Add	*4.65*	
		For ASTM 120, Deduct	*-1.15*	
		For Work In Restricted Working Space, Add	*2.95*	
22 11 16 00-0021	LF	2-1/2" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	23.80	7.74
		For Schedule 80 Pipe, Add	*6.99*	
		For ASTM 120, Deduct	*-1.82*	
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-0022	LF	3" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	31.44	10.36
		For Schedule 80 Pipe, Add	*9.18*	
		For ASTM 120, Deduct	*-2.38*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0023	LF	4" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	40.65	12.00
		For Schedule 80 Pipe, Add	*12.65*	
		For ASTM 120, Deduct	*-3.39*	
		For Work In Restricted Working Space, Add	*5.42*	
22 11 16 00-0024	LF	5" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	53.28	15.33
		For Schedule 80 Pipe, Add	*16.85*	
		For ASTM 120, Deduct	*-4.55*	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-0025	LF	6" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	66.49	18.13
		For Schedule 80 Pipe, Add	*21.59*	
		For ASTM 120, Deduct	*-5.90*	
		For Work In Restricted Working Space, Add	*8.15*	
22 11 16 00-0026	LF	8" Schedule 40, Continuous Weld, Threaded And Coupled, Galvanized Steel Pipe	75.30	21.92
		For Schedule 80 Pipe, Add	*23.68*	
		For ASTM 120, Deduct	*-6.37*	
		For Work In Restricted Working Space, Add	*9.84*	
22 11 16 00-0027		**Seamless, Threaded And Coupled, Galvanized Steel Pipe** *(22 11 16 00-0013)*		
		Note; ASTM A-53. Includes coupling.		
22 11 16 00-0028	LF	1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	9.63	3.73
		For Schedule 80 Pipe, Add	*2.47*	
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*1.70*	
22 11 16 00-0029	LF	3/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	10.78	4.01
		For Schedule 80 Pipe, Add	*2.89*	
		For ASTM 120, Deduct	*-0.71*	
		For Work In Restricted Working Space, Add	*1.81*	
22 11 16 00-0030	LF	1" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	12.05	4.39
		For Schedule 80 Pipe, Add	*3.31*	
		For ASTM 120, Deduct	*-0.83*	
		For Work In Restricted Working Space, Add	*1.96*	
22 11 16 00-0031	LF	1-1/4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	13.87	4.58
		For Schedule 80 Pipe, Add	*4.03*	
		For ASTM 120, Deduct	*-1.04*	
		For Work In Restricted Working Space, Add	*2.08*	
22 11 16 00-0032	LF	1-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	16.06	5.42
		For Schedule 80 Pipe, Add	*4.62*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*2.44*	
22 11 16 00-0033	LF	2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	18.86	6.53
		For Schedule 80 Pipe, Add	*5.32*	
		For ASTM 120, Deduct	*-1.36*	
		For Work In Restricted Working Space, Add	*2.95*	
22 11 16 00-0034	LF	2-1/2" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	26.80	7.74
		For Schedule 80 Pipe, Add	*8.43*	
		For ASTM 120, Deduct	*-2.27*	
		For Work In Restricted Working Space, Add	*3.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0035	LF	3" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	34.06	10.36
		For Schedule 80 Pipe, Add	*10.44*	
		For ASTM 120, Deduct	*-2.78*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0036	LF	4" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	44.50	12.00
		For Schedule 80 Pipe, Add	*14.50*	
		For ASTM 120, Deduct	*-3.97*	
		For Work In Restricted Working Space, Add	*5.42*	
22 11 16 00-0037	LF	5" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	57.48	15.33
		For Schedule 80 Pipe, Add	*18.87*	
		For ASTM 120, Deduct	*-5.18*	
		For Work In Restricted Working Space, Add	*6.89*	
22 11 16 00-0038	LF	6" Schedule 40, Seamless, Threaded Galvanized Steel Pipe	71.32	18.13
		For Schedule 80 Pipe, Add	*23.91*	
		For ASTM 120, Deduct	*-6.62*	
		For Work In Restricted Working Space, Add	*8.15*	

22 11 16 00-0039 Galvanized Malleable Iron 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0040	EA	1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	29.92	16.62
		For 300 LB Rating, Add	*18.60*	
		For ASTM 120, Deduct	*-0.75*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0041	EA	3/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	34.04	18.58
		For 300 LB Rating, Add	*22.68*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0042	EA	1", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	42.55	20.72
		For 300 LB Rating, Add	*40.76*	
		For ASTM 120, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*9.33*	
22 11 16 00-0043	EA	1-1/4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	53.30	23.52
		For 300 LB Rating, Add	*63.59*	
		For ASTM 120, Deduct	*-2.71*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0044	EA	1-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	63.32	26.51
		For 300 LB Rating, Add	*82.62*	
		For ASTM 120, Deduct	*-3.54*	
		For Work In Restricted Working Space, Add	*11.92*	
22 11 16 00-0045	EA	2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	89.11	33.69
		For 300 LB Rating, Add	*134.47*	
		For ASTM 120, Deduct	*-5.80*	
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-0046	EA	2-1/2", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	175.84	49.85
		For 300 LB Rating, Add	*348.46*	
		For ASTM 120, Deduct	*-15.18*	
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0047	EA	3", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	265.05	65.53
		For 300 LB Rating, Add	*573.02*	
		For ASTM 120, Deduct	*-25.02*	
		For Work In Restricted Working Space, Add	*29.48*	
22 11 16 00-0048	EA	4", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	399.44	70.18
		For 300 LB Rating, Add	*1,006.56*	
		For ASTM 120, Deduct	*-44.13*	
		For Work In Restricted Working Space, Add	*31.58*	
22 11 16 00-0049	EA	5", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,380.30	73.25
		For 300 LB Rating, Add	*4,326.19*	
		For ASTM 120, Deduct	*-190.57*	
		For Work In Restricted Working Space, Add	*32.95*	
22 11 16 00-0050	EA	6", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,286.06	76.59
		For 300 LB Rating, Add	*3,989.11*	
		For ASTM 120, Deduct	*-175.69*	
		For Work In Restricted Working Space, Add	*34.45*	
22 11 16 00-0051	EA	8", 150 LB, Galvanized Malleable Iron 90 Degree Elbow	1,533.01	80.04
		For 300 LB Rating, Add	*4,811.47*	
		For ASTM 120, Deduct	*-211.95*	
		For Work In Restricted Working Space, Add	*36.00*	

22 11 16 00-0052 Galvanized Malleable Iron Reducing 90 Degree Elbows *(22 11 16 00-0013)*

22 11 16 00-0053	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	37.12	17.55
		For ASTM 120, Deduct	*-1.61*	
		For Work In Restricted Working Space, Add	*7.91*	
22 11 16 00-0054	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	43.27	19.69
		For ASTM 120, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*8.85*	
22 11 16 00-0055	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	42.62	18.67
		For ASTM 120, Deduct	*-2.19*	
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0056	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	56.30	22.12
		For ASTM 120, Deduct	*-3.47*	
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0057	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	59.32	21.01
		For ASTM 120, Deduct	*-4.17*	
		For Work In Restricted Working Space, Add	*9.46*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0058	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	59.48	20.07
		For ASTM 120, Deduct	*-4.41*	
		For Work In Restricted Working Space, Add	*9.02*	
22 11 16 00-0059	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	74.41	25.02
		For ASTM 120, Deduct	*-5.54*	
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0060	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	72.37	23.62
		For ASTM 120, Deduct	*-5.54*	
		For Work In Restricted Working Space, Add	*10.63*	
22 11 16 00-0061	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	70.74	22.50
		For ASTM 120, Deduct	*-5.54*	
		For Work In Restricted Working Space, Add	*10.14*	
22 11 16 00-0062	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	88.26	30.05
		For ASTM 120, Deduct	*-6.48*	
		For Work In Restricted Working Space, Add	*13.53*	
22 11 16 00-0063	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	92.33	28.56
		For ASTM 120, Deduct	*-7.42*	
		For Work In Restricted Working Space, Add	*12.85*	
22 11 16 00-0064	EA	2" x 1", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	92.14	27.16
		For ASTM 120, Deduct	*-7.70*	
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0065	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	78.12	26.14
		For ASTM 120, Deduct	*-5.84*	
		For Work In Restricted Working Space, Add	*11.75*	
22 11 16 00-0066	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	208.89	41.72
		For ASTM 120, Deduct	*-21.95*	
		For Work In Restricted Working Space, Add	*18.77*	
22 11 16 00-0067	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	220.23	38.18
		For ASTM 120, Deduct	*-24.45*	
		For Work In Restricted Working Space, Add	*17.16*	
22 11 16 00-0068	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	352.43	57.68
		For ASTM 120, Deduct	*-39.90*	
		For Work In Restricted Working Space, Add	*25.94*	
22 11 16 00-0069	EA	3" x 2", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	305.35	49.56
		For ASTM 120, Deduct	*-34.65*	
		For Work In Restricted Working Space, Add	*22.31*	
22 11 16 00-0070	EA	4" x 3", 150 LB, Galvanized Malleable Iron Reducing 90 Degree Elbow	701.96	66.76
		For ASTM 120, Deduct	*-90.28*	
		For Work In Restricted Working Space, Add	*30.03*	

22 11 16 00-0071 Galvanized Malleable Iron 45 Degree Elbow *(22 11 16 00-0013)*

22 11 16 00-0072	EA	1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	30.82	16.62
		For 300 LB Rating, Add	*21.66*	
		For ASTM 120, Deduct	*-0.89*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0073	EA	3/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	36.38	18.58
		For 300 LB Rating, Add	*30.64*	
		For ASTM 120, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0074	EA	1", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	40.73	20.72
		For 300 LB Rating, Add	*34.57*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*9.33*	
22 11 16 00-0075	EA	1-1/4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	53.19	23.52
		For 300 LB Rating, Add	*63.21*	
		For ASTM 120, Deduct	*-2.70*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0076	EA	1-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	60.83	26.51
		For 300 LB Rating, Add	*74.16*	
		For ASTM 120, Deduct	*-3.17*	
		For Work In Restricted Working Space, Add	*11.92*	
22 11 16 00-0077	EA	2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	81.69	33.69
		For 300 LB Rating, Add	*109.24*	
		For ASTM 120, Deduct	*-4.69*	
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-0078	EA	2-1/2", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	183.37	49.85
		For 300 LB Rating, Add	*374.06*	
		For ASTM 120, Deduct	*-16.31*	
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0079	EA	3", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	256.34	65.53
		For 300 LB Rating, Add	*543.40*	
		For ASTM 120, Deduct	*-23.71*	
		For Work In Restricted Working Space, Add	*29.48*	
22 11 16 00-0080	EA	4", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	370.28	70.18
		For 300 LB Rating, Add	*907.42*	
		For ASTM 120, Deduct	*-39.75*	
		For Work In Restricted Working Space, Add	*31.58*	
22 11 16 00-0081	EA	5", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,180.77	73.25
		For 300 LB Rating, Add	*3,647.79*	
		For ASTM 120, Deduct	*-160.64*	
		For Work In Restricted Working Space, Add	*32.95*	
22 11 16 00-0082	EA	6", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,406.13	76.59
		For 300 LB Rating, Add	*4,397.34*	
		For ASTM 120, Deduct	*-193.70*	
		For Work In Restricted Working Space, Add	*34.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0083	EA	8", 150 LB, Galvanized Malleable Iron 45 Degree Elbow	1,675.64	80.04
		For 300 LB Rating, Add	*5,296.41*	
		For ASTM 120, Deduct	*-233.35*	
		For Work In Restricted Working Space, Add	*36.00*	

22 11 16 00-0084 Galvanized Malleable Iron Tees *(22 11 16 00-0013)*

22 11 16 00-0085	EA	1/2", 150 LB, Galvanized Malleable Iron Tee	37.32	20.72
		For 300 LB Rating, Add	*22.98*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*9.33*	
22 11 16 00-0086	EA	3/4", 150 LB, Galvanized Malleable Iron Tee	46.14	23.99
		For 300 LB Rating, Add	*36.97*	
		For ASTM 120, Deduct	*-1.54*	
		For Work In Restricted Working Space, Add	*10.77*	
22 11 16 00-0087	EA	1", 150 LB, Galvanized Malleable Iron Tee	58.98	28.29
		For 300 LB Rating, Add	*58.85*	
		For ASTM 120, Deduct	*-2.48*	
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0088	EA	1-1/4", 150 LB, Galvanized Malleable Iron Tee	76.73	33.69
		For 300 LB Rating, Add	*92.38*	
		For ASTM 120, Deduct	*-3.94*	
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-0089	EA	1-1/2", 150 LB, Galvanized Malleable Iron Tee	92.89	40.14
		For 300 LB Rating, Add	*114.69*	
		For ASTM 120, Deduct	*-4.90*	
		For Work In Restricted Working Space, Add	*18.07*	
22 11 16 00-0090	EA	2", 150 LB, Galvanized Malleable Iron Tee	127.77	49.85
		For 300 LB Rating, Add	*185.02*	
		For ASTM 120, Deduct	*-7.97*	
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0091	EA	2-1/2", 150 LB, Galvanized Malleable Iron Tee	230.66	54.13
		For 300 LB Rating, Add	*513.14*	
		For ASTM 120, Deduct	*-22.42*	
		For Work In Restricted Working Space, Add	*24.35*	
22 11 16 00-0092	EA	3", 150 LB, Galvanized Malleable Iron Tee	273.56	65.53
		For 300 LB Rating, Add	*601.95*	
		For ASTM 120, Deduct	*-26.30*	
		For Work In Restricted Working Space, Add	*29.48*	
22 11 16 00-0093	EA	4", 150 LB, Galvanized Malleable Iron Tee	547.67	88.69
		For 300 LB Rating, Add	*1,418.03*	
		For ASTM 120, Deduct	*-62.21*	
		For Work In Restricted Working Space, Add	*39.89*	
22 11 16 00-0094	EA	5", 150 LB, Galvanized Malleable Iron Tee	1,461.49	105.28
		For 300 LB Rating, Add	*4,441.75*	
		For ASTM 120, Deduct	*-195.54*	
		For Work In Restricted Working Space, Add	*47.36*	
22 11 16 00-0095	EA	6", 150 LB, Galvanized Malleable Iron Tee	1,659.03	120.35
		For 300 LB Rating, Add	*5,038.07*	
		For ASTM 120, Deduct	*-221.79*	
		For Work In Restricted Working Space, Add	*54.13*	
22 11 16 00-0096	EA	8", 150 LB, Galvanized Malleable Iron Tee	1,973.37	142.90
		For 300 LB Rating, Add	*5,986.28*	
		For ASTM 120, Deduct	*-263.53*	
		For Work In Restricted Working Space, Add	*64.96*	

22 11 16 00-0097 Galvanized Malleable Iron Reducing Tee *(22 11 16 00-0013)*

22 11 16 00-0098	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	45.55	20.72
		For 300 LB Rating, Add	*50.96*	
		For ASTM 120, Deduct	*-2.17*	
		For Work In Restricted Working Space, Add	*9.33*	
22 11 16 00-0099	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Tee	50.14	23.99
		For 300 LB Rating, Add	*50.57*	
		For ASTM 120, Deduct	*-2.14*	
		For Work In Restricted Working Space, Add	*10.77*	
22 11 16 00-0100	EA	1", 150 LB, Galvanized Malleable Iron Reducing Tee	62.43	28.29
		For 300 LB Rating, Add	*70.58*	
		For ASTM 120, Deduct	*-3.00*	
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0101	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Tee	81.47	33.69
		For 300 LB Rating, Add	*108.50*	
		For ASTM 120, Deduct	*-4.65*	
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-0102	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	98.53	40.14
		For 300 LB Rating, Add	*133.87*	
		For ASTM 120, Deduct	*-5.75*	
		For Work In Restricted Working Space, Add	*18.07*	
22 11 16 00-0103	EA	2", 150 LB, Galvanized Malleable Iron Reducing Tee	130.61	49.85
		For 300 LB Rating, Add	*194.68*	
		For ASTM 120, Deduct	*-8.39*	
		For Work In Restricted Working Space, Add	*22.40*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0104	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Tee	279.00	54.32
		For 300 LB Rating, Add	*676.66*	
		For ASTM 120, Deduct	*-29.64*	
		For Work In Restricted Working Space, Add	*24.43*	
22 11 16 00-0105	EA	3", 150 LB, Galvanized Malleable Iron Reducing Tee	356.05	66.55
		For 300 LB Rating, Add	*877.24*	
		For ASTM 120, Deduct	*-38.44*	
		For Work In Restricted Working Space, Add	*29.94*	
22 11 16 00-0106	EA	4", 150 LB, Galvanized Malleable Iron Reducing Tee	875.78	88.69
		For 300 LB Rating, Add	*2,533.60*	
		For ASTM 120, Deduct	*-111.42*	
		For Work In Restricted Working Space, Add	*39.89*	
22 11 16 00-0107	EA	5", 150 LB, Galvanized Malleable Iron Reducing Tee	1,965.21	105.28
		For 300 LB Rating, Add	*6,154.39*	
		For ASTM 120, Deduct	*-271.10*	
		For Work In Restricted Working Space, Add	*47.36*	
22 11 16 00-0108	EA	6", 150 LB, Galvanized Malleable Iron Reducing Tee	2,134.68	120.35
		For 300 LB Rating, Add	*6,655.28*	
		For ASTM 120, Deduct	*-293.14*	
		For Work In Restricted Working Space, Add	*54.13*	
22 11 16 00-0109	EA	8", 150 LB, Galvanized Malleable Iron Reducing Tee	2,563.81	138.20
		For 300 LB Rating, Add	*8,023.94*	
		For ASTM 120, Deduct	*-353.45*	
		For Work In Restricted Working Space, Add	*62.25*	

22 11 16 00-0110 Galvanized Malleable Iron Couplings *(22 11 16 00-0013)*

22 11 16 00-0111	EA	1/2", 150 LB, Galvanized Malleable Iron Coupling	29.58	16.62
		For 300 LB Rating, Add	*17.44*	
		For ASTM 120, Deduct	*-0.70*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0112	EA	3/4", 150 LB, Galvanized Malleable Iron Coupling	33.26	18.58
		For 300 LB Rating, Add	*20.03*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0113	EA	1", 150 LB, Galvanized Malleable Iron Coupling	39.96	20.72
		For 300 LB Rating, Add	*31.96*	
		For ASTM 120, Deduct	*-1.33*	
		For Work In Restricted Working Space, Add	*9.33*	
22 11 16 00-0114	EA	1-1/4", 150 LB, Galvanized Malleable Iron Coupling	47.71	23.52
		For 300 LB Rating, Add	*44.58*	
		For ASTM 120, Deduct	*-1.87*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0115	EA	1-1/2", 150 LB, Galvanized Malleable Iron Coupling	53.91	26.51
		For 300 LB Rating, Add	*50.63*	
		For ASTM 120, Deduct	*-2.13*	
		For Work In Restricted Working Space, Add	*11.92*	
22 11 16 00-0116	EA	2", 150 LB, Galvanized Malleable Iron Coupling	71.20	33.69
		For 300 LB Rating, Add	*73.58*	
		For ASTM 120, Deduct	*-3.11*	
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-0117	EA	2-1/2", 150 LB, Galvanized Malleable Iron Coupling	138.19	49.85
		For 300 LB Rating, Add	*220.45*	
		For ASTM 120, Deduct	*-9.53*	
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0118	EA	3", 150 LB, Galvanized Malleable Iron Coupling	183.14	65.53
		For 300 LB Rating, Add	*294.52*	
		For ASTM 120, Deduct	*-12.73*	
		For Work In Restricted Working Space, Add	*29.48*	
22 11 16 00-0119	EA	4", 150 LB, Galvanized Malleable Iron Coupling	285.55	70.18
		For 300 LB Rating, Add	*619.34*	
		For ASTM 120, Deduct	*-27.05*	
		For Work In Restricted Working Space, Add	*31.58*	
22 11 16 00-0120	EA	5", 150 LB, Galvanized Malleable Iron Coupling	617.50	73.25
		For 300 LB Rating, Add	*1,732.67*	
		For ASTM 120, Deduct	*-76.15*	
		For Work In Restricted Working Space, Add	*32.95*	
22 11 16 00-0121	EA	6", 150 LB, Galvanized Malleable Iron Coupling	693.20	76.59
		For 300 LB Rating, Add	*1,973.38*	
		For ASTM 120, Deduct	*-86.76*	
		For Work In Restricted Working Space, Add	*34.45*	
22 11 16 00-0122	EA	8", 150 LB, Galvanized Malleable Iron Coupling	817.05	80.04
		For 300 LB Rating, Add	*2,377.20*	
		For ASTM 120, Deduct	*-104.56*	
		For Work In Restricted Working Space, Add	*36.00*	

22 11 16 00-0123 Galvanized Malleable Iron Reducing Couplings *(22 11 16 00-0013)*

22 11 16 00-0124	EA	1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	30.58	16.62
		For 300 LB Rating, Add	*20.84*	
		For ASTM 120, Deduct	*-0.85*	
		For Work In Restricted Working Space, Add	*7.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0125	EA	3/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	33.94	18.58
		For 300 LB Rating, Add	*22.34*	
		For ASTM 120, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*8.36*	
22 11 16 00-0126	EA	1", 150 LB, Galvanized Malleable Iron Reducing Coupling	41.24	20.72
		For 300 LB Rating, Add	*36.31*	
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*9.33*	
22 11 16 00-0127	EA	1-1/4", 150 LB, Galvanized Malleable Iron Reducing Coupling	48.32	23.52
		For 300 LB Rating, Add	*46.65*	
		For ASTM 120, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*10.57*	
22 11 16 00-0128	EA	1-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	56.62	26.51
		For 300 LB Rating, Add	*59.84*	
		For ASTM 120, Deduct	*-2.54*	
		For Work In Restricted Working Space, Add	*11.92*	
22 11 16 00-0129	EA	2", 150 LB, Galvanized Malleable Iron Reducing Coupling	73.50	33.69
		For 300 LB Rating, Add	*81.40*	
		For ASTM 120, Deduct	*-3.46*	
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-0130	EA	2-1/2", 150 LB, Galvanized Malleable Iron Reducing Coupling	138.99	49.85
		For 300 LB Rating, Add	*223.17*	
		For ASTM 120, Deduct	*-9.65*	
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0131	EA	3", 150 LB, Galvanized Malleable Iron Reducing Coupling	180.74	65.53
		For 300 LB Rating, Add	*286.36*	
		For ASTM 120, Deduct	*-12.37*	
		For Work In Restricted Working Space, Add	*29.48*	
22 11 16 00-0132	EA	4", 150 LB, Galvanized Malleable Iron Reducing Coupling	290.19	70.18
		For 300 LB Rating, Add	*635.11*	
		For ASTM 120, Deduct	*-27.74*	
		For Work In Restricted Working Space, Add	*31.58*	
22 11 16 00-0133	EA	5", 150 LB, Galvanized Malleable Iron Reducing Coupling	644.23	73.25
		For 300 LB Rating, Add	*1,823.55*	
		For ASTM 120, Deduct	*-80.16*	
		For Work In Restricted Working Space, Add	*32.95*	
22 11 16 00-0134	EA	6", 150 LB, Galvanized Malleable Iron Reducing Coupling	723.64	76.59
		For 300 LB Rating, Add	*2,076.88*	
		For ASTM 120, Deduct	*-91.32*	
		For Work In Restricted Working Space, Add	*34.45*	
22 11 16 00-0135	EA	8", 150 LB, Galvanized Malleable Iron Reducing Coupling	854.02	80.04
		For 300 LB Rating, Add	*2,502.90*	
		For ASTM 120, Deduct	*-110.10*	
		For Work In Restricted Working Space, Add	*36.00*	

22 11 16 00-0136 Galvanized Malleable Iron Caps *(22 11 16 00-0013)*

22 11 16 00-0137	EA	1/2", 150 LB, Galvanized Malleable Iron Cap	13.79	7.74
		For 300 LB Rating, Add	*7.91*	
		For ASTM 120, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-0138	EA	3/4", 150 LB, Galvanized Malleable Iron Cap	15.38	8.31
		For 300 LB Rating, Add	*10.74*	
		For ASTM 120, Deduct	*-0.44*	
		For Work In Restricted Working Space, Add	*3.73*	
22 11 16 00-0139	EA	1", 150 LB, Galvanized Malleable Iron Cap	18.00	9.61
		For 300 LB Rating, Add	*13.24*	
		For ASTM 120, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0140	EA	1-1/4", 150 LB, Galvanized Malleable Iron Cap	19.86	10.08
		For 300 LB Rating, Add	*17.22*	
		For ASTM 120, Deduct	*-0.72*	
		For Work In Restricted Working Space, Add	*4.52*	
22 11 16 00-0141	EA	1-1/2", 150 LB, Galvanized Malleable Iron Cap	19.55	10.08
		For 300 LB Rating, Add	*16.17*	
		For ASTM 120, Deduct	*-0.67*	
		For Work In Restricted Working Space, Add	*4.52*	
22 11 16 00-0142	EA	2", 150 LB, Galvanized Malleable Iron Cap	29.69	13.35
		For 300 LB Rating, Add	*33.88*	
		For ASTM 120, Deduct	*-1.44*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0143	EA	2-1/2", 150 LB, Galvanized Malleable Iron Cap	46.46	16.62
		For 300 LB Rating, Add	*74.83*	
		For ASTM 120, Deduct	*-3.24*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0144	EA	3", 150 LB, Galvanized Malleable Iron Cap	60.82	20.07
		For 300 LB Rating, Add	*106.22*	
		For ASTM 120, Deduct	*-4.61*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0145	EA	4", 150 LB, Galvanized Malleable Iron Cap	93.51	24.08
		For 300 LB Rating, Add	*197.39*	
		For ASTM 120, Deduct	*-8.61*	
		For Work In Restricted Working Space, Add	*10.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0146	EA	5", 150 LB, Galvanized Malleable Iron Cap	235.72	30.13
		For 300 LB Rating, Add	*650.78*	
		For ASTM 120, Deduct	*-28.59*	
		For Work In Restricted Working Space, Add	*13.53*	
22 11 16 00-0147	EA	6", 150 LB, Galvanized Malleable Iron Cap	293.98	35.81
		For 300 LB Rating, Add	*820.01*	
		For ASTM 120, Deduct	*-36.03*	
		For Work In Restricted Working Space, Add	*16.13*	
22 11 16 00-0148	EA	8", 150 LB, Galvanized Malleable Iron Cap	371.32	40.02
		For 300 LB Rating, Add	*1,062.12*	
		For ASTM 120, Deduct	*-46.70*	
		For Work In Restricted Working Space, Add	*18.00*	

22 11 16 00-0149 Galvanized Malleable Iron FIP Threaded, Unions *(22 11 16 00-0013)*

22 11 16 00-0150	EA	1/2", 150 LB, Galvanized Malleable Iron Union	47.44	20.72
		For Work In Restricted Working Space, Add	*9.33*	
22 11 16 00-0151	EA	3/4", 150 LB, Galvanized Malleable Iron Union	54.66	23.99
		For Work In Restricted Working Space, Add	*10.77*	
22 11 16 00-0152	EA	1", 150 LB, Galvanized Malleable Iron Union	66.99	28.29
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0153	EA	1-1/4", 150 LB, Galvanized Malleable Iron Union	85.97	33.69
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-0154	EA	1-1/2", 150 LB, Galvanized Malleable Iron Union	103.26	40.14
		For Work In Restricted Working Space, Add	*18.07*	
22 11 16 00-0155	EA	2", 150 LB, Galvanized Malleable Iron Union	124.15	49.85
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0156	EA	2-1/2", 150 LB, Galvanized Malleable Iron Union	282.10	73.45
		For Work In Restricted Working Space, Add	*33.07*	
22 11 16 00-0157	EA	3", 150 LB, Galvanized Malleable Iron Union	385.58	96.61
		For Work In Restricted Working Space, Add	*43.51*	
22 11 16 00-0158	EA	1/2", 250 LB, Galvanized Malleable Iron Union	64.31	20.72
		For Work In Restricted Working Space, Add	*9.33*	
22 11 16 00-0159	EA	3/4", 250 LB, Galvanized Malleable Iron Union	66.07	23.99
		For Work In Restricted Working Space, Add	*10.77*	
22 11 16 00-0160	EA	1", 250 LB, Galvanized Malleable Iron Union	79.82	28.29
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0161	EA	1-1/4", 250 LB, Galvanized Malleable Iron Union	107.09	33.69
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-0162	EA	1-1/2", 250 LB, Galvanized Malleable Iron Union	125.42	40.14
		For Work In Restricted Working Space, Add	*18.07*	
22 11 16 00-0163	EA	2", 250 LB, Galvanized Malleable Iron Union	166.75	49.85
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0164	EA	2-1/2", 250 LB, Galvanized Malleable Iron Union	352.46	73.45
		For Work In Restricted Working Space, Add	*33.07*	
22 11 16 00-0165	EA	3", 250 LB, Galvanized Malleable Iron Union	516.69	96.61
		For Work In Restricted Working Space, Add	*43.51*	
22 11 16 00-0166	EA	4", 250 LB, Galvanized Malleable Iron Union	738.36	103.56
		For Work In Restricted Working Space, Add	*46.61*	
22 11 16 00-0167	EA	1/2", 300 LB, Galvanized Malleable Iron Union	68.94	20.72
		For Work In Restricted Working Space, Add	*9.33*	
22 11 16 00-0168	EA	3/4", 300 LB, Galvanized Malleable Iron Union	76.92	23.99
		For Work In Restricted Working Space, Add	*10.77*	
22 11 16 00-0169	EA	1", 300 LB, Galvanized Malleable Iron Union	96.84	28.29
		For Work In Restricted Working Space, Add	*12.73*	
22 11 16 00-0170	EA	1-1/4", 300 LB, Galvanized Malleable Iron Union	126.33	33.69
		For Work In Restricted Working Space, Add	*15.14*	
22 11 16 00-0171	EA	1-1/2", 300 LB, Galvanized Malleable Iron Union	151.59	40.14
		For Work In Restricted Working Space, Add	*18.07*	
22 11 16 00-0172	EA	2", 300 LB, Galvanized Malleable Iron Union	184.34	49.85
		For Work In Restricted Working Space, Add	*22.40*	
22 11 16 00-0173	EA	2-1/2", 300 LB, Galvanized Malleable Iron Union	416.14	73.45
		For Work In Restricted Working Space, Add	*33.07*	
22 11 16 00-0174	EA	3", 300 LB, Galvanized Malleable Iron Union	662.42	96.61
		For Work In Restricted Working Space, Add	*43.51*	
22 11 16 00-0175	EA	4", 300 LB, Galvanized Malleable Iron Union	1,452.97	103.56
		For Work In Restricted Working Space, Add	*46.61*	

22 11 16 00-0176 Galvanized Steel Nipples *(22 11 16 00-0013)*

Note: ASTM A-53.

22 11 16 00-0177	EA	3/8" x Close, Schedule 40 Galvanized Steel Nipple	15.27	8.86
		For Schedule 80 Nipples, Add	*2.21*	
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0178	EA	1/2" x Close, Schedule 40 Galvanized Steel Nipple	14.90	8.86
		For Schedule 80 Nipples, Add	*1.79*	
		For ASTM 120, Deduct	*-0.24*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0179	EA	3/4" x Close, Schedule 40 Galvanized Steel Nipple	15.23	8.86
		For Schedule 80 Nipples, Add	*2.17*	
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0180	EA	1" x Close, Schedule 40 Galvanized Steel Nipple	16.97	9.61
		For Schedule 80 Nipples, Add	*2.98*	
		For ASTM 120, Deduct	*-0.39*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0181	EA	1-1/4" x Close, Schedule 40 Galvanized Steel Nipple	19.07	10.36
		For Schedule 80 Nipples, Add	*4.00*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0182	EA	1-1/2" x Close, Schedule 40 Galvanized Steel Nipple	19.67	10.36
		For Schedule 80 Nipples, Add	*4.69*	
		For ASTM 120, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0183	EA	2" x Close, Schedule 40 Galvanized Steel Nipple	25.88	13.35
		For Schedule 80 Nipples, Add	*6.61*	
		For ASTM 120, Deduct	*-0.87*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0184	EA	2-1/2" x Close, Schedule 40 Galvanized Steel Nipple	42.15	16.62
		For Schedule 80 Nipples, Add	*19.68*	
		For ASTM 120, Deduct	*-2.59*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0185	EA	3" x Close, Schedule 40 Galvanized Steel Nipple	50.79	20.07
		For Schedule 80 Nipples, Add	*23.58*	
		For ASTM 120, Deduct	*-3.10*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0186	EA	4" x Close, Schedule 40 Galvanized Steel Nipple	67.08	24.08
		For Schedule 80 Nipples, Add	*35.33*	
		For ASTM 120, Deduct	*-4.65*	
		For Work In Restricted Working Space, Add	*10.83*	
22 11 16 00-0187	EA	3/8" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.55	8.86
		For Schedule 80 Nipples, Add	*2.53*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0188	EA	1/2" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	14.98	8.86
		For Schedule 80 Nipples, Add	*1.88*	
		For ASTM 120, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0189	EA	3/4" x 1-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.40	8.86
		For Schedule 80 Nipples, Add	*2.36*	
		For ASTM 120, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0190	EA	3/8" x 2" Long, Schedule 40 Galvanized Steel Nipple	15.55	8.86
		For Schedule 80 Nipples, Add	*2.53*	
		For ASTM 120, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0191	EA	1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	14.98	8.86
		For Schedule 80 Nipples, Add	*1.88*	
		For ASTM 120, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0192	EA	3/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	15.40	8.86
		For Schedule 80 Nipples, Add	*2.36*	
		For ASTM 120, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0193	EA	1" x 2" Long, Schedule 40 Galvanized Steel Nipple	17.44	9.61
		For Schedule 80 Nipples, Add	*3.51*	
		For ASTM 120, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0194	EA	1-1/4" x 2" Long, Schedule 40 Galvanized Steel Nipple	19.32	10.36
		For Schedule 80 Nipples, Add	*4.29*	
		For ASTM 120, Deduct	*-0.56*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0195	EA	1-1/2" x 2" Long, Schedule 40 Galvanized Steel Nipple	19.98	10.36
		For Schedule 80 Nipples, Add	*5.04*	
		For ASTM 120, Deduct	*-0.66*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0196	EA	3/8" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.30	8.86
		For Schedule 80 Nipples, Add	*3.39*	
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0197	EA	1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.27	8.86
		For Schedule 80 Nipples, Add	*2.21*	
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0198	EA	3/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.62	8.86
		For Schedule 80 Nipples, Add	*2.61*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0199	EA	1" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	17.70	9.61
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0200	EA	1-1/4" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.69	10.36
		For Schedule 80 Nipples, Add	*4.71*	
		For ASTM 120, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*4.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0201	EA	1-1/2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.48	10.36
		For Schedule 80 Nipples, Add	*5.61*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0202	EA	2" x 2-1/2" Long, Schedule 40 Galvanized Steel Nipple	26.60	13.35
		For Schedule 80 Nipples, Add	*7.43*	
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0203	EA	3/8" x 3" Long, Schedule 40 Galvanized Steel Nipple	16.30	8.86
		For Schedule 80 Nipples, Add	*3.39*	
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0204	EA	1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	15.27	8.86
		For Schedule 80 Nipples, Add	*2.21*	
		For ASTM 120, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0205	EA	3/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	15.62	8.86
		For Schedule 80 Nipples, Add	*2.61*	
		For ASTM 120, Deduct	*-0.34*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0206	EA	1" x 3" Long, Schedule 40 Galvanized Steel Nipple	17.70	9.61
		For Schedule 80 Nipples, Add	*3.81*	
		For ASTM 120, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0207	EA	1-1/4" x 3" Long, Schedule 40 Galvanized Steel Nipple	19.69	10.36
		For Schedule 80 Nipples, Add	*4.71*	
		For ASTM 120, Deduct	*-0.62*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0208	EA	1-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	20.48	10.36
		For Schedule 80 Nipples, Add	*5.61*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0209	EA	2" x 3" Long, Schedule 40 Galvanized Steel Nipple	26.60	13.35
		For Schedule 80 Nipples, Add	*7.43*	
		For ASTM 120, Deduct	*-0.98*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0210	EA	2-1/2" x 3" Long, Schedule 40 Galvanized Steel Nipple	42.80	16.62
		For Schedule 80 Nipples, Add	*20.42*	
		For ASTM 120, Deduct	*-2.69*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0211	EA	3" x 3" Long, Schedule 40 Galvanized Steel Nipple	53.64	20.07
		For Schedule 80 Nipples, Add	*26.82*	
		For ASTM 120, Deduct	*-3.53*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0212	EA	3/8" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.85	8.86
		For Schedule 80 Nipples, Add	*4.01*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0213	EA	1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	15.72	8.86
		For Schedule 80 Nipples, Add	*2.72*	
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0214	EA	3/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.30	8.86
		For Schedule 80 Nipples, Add	*3.39*	
		For ASTM 120, Deduct	*-0.45*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0215	EA	1" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.37	9.61
		For Schedule 80 Nipples, Add	*4.57*	
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0216	EA	1-1/4" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	20.48	10.36
		For Schedule 80 Nipples, Add	*5.61*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0217	EA	1-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.78	10.36
		For Schedule 80 Nipples, Add	*7.09*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0218	EA	2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	28.00	13.35
		For Schedule 80 Nipples, Add	*9.03*	
		For ASTM 120, Deduct	*-1.19*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0219	EA	2-1/2" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	45.69	16.62
		For Schedule 80 Nipples, Add	*23.71*	
		For ASTM 120, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0220	EA	3" x 3-1/2" Long, Schedule 40 Galvanized Steel Nipple	57.71	20.07
		For Schedule 80 Nipples, Add	*31.46*	
		For ASTM 120, Deduct	*-4.14*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0221	EA	3/8" x 4" Long, Schedule 40 Galvanized Steel Nipple	16.85	8.86
		For Schedule 80 Nipples, Add	*4.01*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0222	EA	1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	15.72	8.86
		For Schedule 80 Nipples, Add	*2.72*	
		For ASTM 120, Deduct	*-0.36*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0223	EA	3/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	16.85	8.86
		For Schedule 80 Nipples, Add	*4.01*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0224	EA	1" x 4" Long, Schedule 40 Galvanized Steel Nipple	18.37	9.61
		For Schedule 80 Nipples, Add	*4.57*	
		For ASTM 120, Deduct	*-0.60*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0225	EA	1-1/4" x 4" Long, Schedule 40 Galvanized Steel Nipple	20.48	10.36
		For Schedule 80 Nipples, Add	*5.61*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0226	EA	1-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	21.78	10.36
		For Schedule 80 Nipples, Add	*7.09*	
		For ASTM 120, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0227	EA	2" x 4" Long, Schedule 40 Galvanized Steel Nipple	28.07	13.35
		For Schedule 80 Nipples, Add	*9.11*	
		For ASTM 120, Deduct	*-1.20*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0228	EA	2-1/2" x 4" Long, Schedule 40 Galvanized Steel Nipple	45.69	16.62
		For Schedule 80 Nipples, Add	*23.71*	
		For ASTM 120, Deduct	*-3.12*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0229	EA	3" x 4" Long, Schedule 40 Galvanized Steel Nipple	57.71	20.07
		For Schedule 80 Nipples, Add	*31.46*	
		For ASTM 120, Deduct	*-4.14*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0230	EA	4" x 4" Long, Schedule 40 Galvanized Steel Nipple	73.15	24.08
		For Schedule 80 Nipples, Add	*42.25*	
		For ASTM 120, Deduct	*-5.56*	
		For Work In Restricted Working Space, Add	*10.83*	
22 11 16 00-0231	EA	3/8" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	18.18	8.86
		For Schedule 80 Nipples, Add	*5.53*	
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0232	EA	1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.21	8.86
		For Schedule 80 Nipples, Add	*3.28*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0233	EA	3/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	16.87	8.86
		For Schedule 80 Nipples, Add	*4.04*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0234	EA	1" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	19.28	9.61
		For Schedule 80 Nipples, Add	*5.61*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0235	EA	1-1/4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	21.64	10.36
		For Schedule 80 Nipples, Add	*6.93*	
		For ASTM 120, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0236	EA	1-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	23.08	10.36
		For Schedule 80 Nipples, Add	*8.57*	
		For ASTM 120, Deduct	*-1.13*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0237	EA	2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	30.19	13.35
		For Schedule 80 Nipples, Add	*11.53*	
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0238	EA	2-1/2" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	48.08	16.62
		For Schedule 80 Nipples, Add	*26.44*	
		For ASTM 120, Deduct	*-3.48*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0239	EA	3" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	62.28	20.07
		For Schedule 80 Nipples, Add	*36.67*	
		For ASTM 120, Deduct	*-4.83*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0240	EA	4" x 4-1/2" Long, Schedule 40 Galvanized Steel Nipple	77.65	24.08
		For Schedule 80 Nipples, Add	*47.38*	
		For ASTM 120, Deduct	*-6.23*	
		For Work In Restricted Working Space, Add	*10.83*	
22 11 16 00-0241	EA	3/8" x 5" Long, Schedule 40 Galvanized Steel Nipple	18.18	8.86
		For Schedule 80 Nipples, Add	*5.53*	
		For ASTM 120, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0242	EA	1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	16.21	8.86
		For Schedule 80 Nipples, Add	*3.28*	
		For ASTM 120, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0243	EA	3/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	16.87	8.86
		For Schedule 80 Nipples, Add	*4.04*	
		For ASTM 120, Deduct	*-0.53*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0244	EA	1" x 5" Long, Schedule 40 Galvanized Steel Nipple	19.28	9.61
		For Schedule 80 Nipples, Add	*5.61*	
		For ASTM 120, Deduct	*-0.74*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0245	EA	1-1/4" x 5" Long, Schedule 40 Galvanized Steel Nipple	21.64	10.36
		For Schedule 80 Nipples, Add	*6.93*	
		For ASTM 120, Deduct	*-0.91*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0246	EA	1-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	23.08	10.36
		For Schedule 80 Nipples, Add	*8.57*	
		For ASTM 120, Deduct	*-1.13*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0247	EA	2" x 5" Long, Schedule 40 Galvanized Steel Nipple	30.19	13.35
		For Schedule 80 Nipples, Add	*11.53*	
		For ASTM 120, Deduct	*-1.52*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0248	EA	2-1/2" x 5" Long, Schedule 40 Galvanized Steel Nipple	48.08	16.62
		For Schedule 80 Nipples, Add	*26.44*	
		For ASTM 120, Deduct	*-3.48*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0249	EA	3" x 5" Long, Schedule 40 Galvanized Steel Nipple	62.28	20.07
		For Schedule 80 Nipples, Add	*36.67*	
		For ASTM 120, Deduct	*-4.83*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0250	EA	4" x 5" Long, Schedule 40 Galvanized Steel Nipple	77.65	24.08
		For Schedule 80 Nipples, Add	*47.38*	
		For ASTM 120, Deduct	*-6.23*	
		For Work In Restricted Working Space, Add	*10.83*	
22 11 16 00-0251	EA	3/8" x 6" Long, Schedule 40 Galvanized Steel Nipple	18.72	8.86
		For Schedule 80 Nipples, Add	*6.14*	
		For ASTM 120, Deduct	*-0.81*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0252	EA	1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	16.60	8.86
		For Schedule 80 Nipples, Add	*3.73*	
		For ASTM 120, Deduct	*-0.49*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0253	EA	3/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	17.58	8.86
		For Schedule 80 Nipples, Add	*4.85*	
		For ASTM 120, Deduct	*-0.64*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0254	EA	1" x 6" Long, Schedule 40 Galvanized Steel Nipple	19.94	9.61
		For Schedule 80 Nipples, Add	*6.36*	
		For ASTM 120, Deduct	*-0.84*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0255	EA	1-1/4" x 6" Long, Schedule 40 Galvanized Steel Nipple	22.62	10.36
		For Schedule 80 Nipples, Add	*8.05*	
		For ASTM 120, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0256	EA	1-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	24.02	10.36
		For Schedule 80 Nipples, Add	*9.64*	
		For ASTM 120, Deduct	*-1.27*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0257	EA	2" x 6" Long, Schedule 40 Galvanized Steel Nipple	31.83	13.35
		For Schedule 80 Nipples, Add	*13.40*	
		For ASTM 120, Deduct	*-1.76*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0258	EA	2-1/2" x 6" Long, Schedule 40 Galvanized Steel Nipple	50.37	16.62
		For Schedule 80 Nipples, Add	*29.05*	
		For ASTM 120, Deduct	*-3.82*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0259	EA	3" x 6" Long, Schedule 40 Galvanized Steel Nipple	64.14	20.07
		For Schedule 80 Nipples, Add	*38.79*	
		For ASTM 120, Deduct	*-5.10*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0260	EA	4" x 6" Long, Schedule 40 Galvanized Steel Nipple	82.03	24.08
		For Schedule 80 Nipples, Add	*52.37*	
		For ASTM 120, Deduct	*-6.89*	
		For Work In Restricted Working Space, Add	*10.83*	
22 11 16 00-0261	EA	3/8" x 8" Long, Schedule 40 Galvanized Steel Nipple	34.88	8.86
		For Schedule 80 Nipples, Add	*24.57*	
		For ASTM 120, Deduct	*-3.23*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0262	EA	1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	19.09	8.86
		For Schedule 80 Nipples, Add	*6.57*	
		For ASTM 120, Deduct	*-0.86*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0263	EA	3/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	20.69	8.86
		For Schedule 80 Nipples, Add	*8.39*	
		For ASTM 120, Deduct	*-1.10*	
		For Work In Restricted Working Space, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0264	EA	1" x 8" Long, Schedule 40 Galvanized Steel Nipple	23.70	9.61
		For Schedule 80 Nipples, Add	*10.65*	
		For ASTM 120, Deduct	*-1.40*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0265	EA	1-1/4" x 8" Long, Schedule 40 Galvanized Steel Nipple	27.00	10.36
		For Schedule 80 Nipples, Add	*13.04*	
		For ASTM 120, Deduct	*-1.72*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0266	EA	1-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	28.69	10.36
		For Schedule 80 Nipples, Add	*14.97*	
		For ASTM 120, Deduct	*-1.97*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0267	EA	2" x 8" Long, Schedule 40 Galvanized Steel Nipple	39.22	13.35
		For Schedule 80 Nipples, Add	*21.82*	
		For ASTM 120, Deduct	*-2.87*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0268	EA	2-1/2" x 8" Long, Schedule 40 Galvanized Steel Nipple	57.69	16.62
		For Schedule 80 Nipples, Add	*37.39*	
		For ASTM 120, Deduct	*-4.92*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0269	EA	3" x 8" Long, Schedule 40 Galvanized Steel Nipple	75.95	20.07
		For Schedule 80 Nipples, Add	*52.26*	
		For ASTM 120, Deduct	*-6.88*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0270	EA	4" x 8" Long, Schedule 40 Galvanized Steel Nipple	90.91	24.08
		For Schedule 80 Nipples, Add	*62.49*	
		For ASTM 120, Deduct	*-8.22*	
		For Work In Restricted Working Space, Add	*10.83*	
22 11 16 00-0271	EA	3/8" x 10" Long, Schedule 40 Galvanized Steel Nipple	23.61	8.86
		For Schedule 80 Nipples, Add	*11.72*	
		For ASTM 120, Deduct	*-1.54*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0272	EA	1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	20.17	8.86
		For Schedule 80 Nipples, Add	*7.80*	
		For ASTM 120, Deduct	*-1.03*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0273	EA	3/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	21.50	8.86
		For Schedule 80 Nipples, Add	*9.31*	
		For ASTM 120, Deduct	*-1.23*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0274	EA	1" x 10" Long, Schedule 40 Galvanized Steel Nipple	25.03	9.61
		For Schedule 80 Nipples, Add	*12.16*	
		For ASTM 120, Deduct	*-1.60*	
		For Work In Restricted Working Space, Add	*4.31*	
22 11 16 00-0275	EA	1-1/4" x 10" Long, Schedule 40 Galvanized Steel Nipple	29.24	10.36
		For Schedule 80 Nipples, Add	*15.60*	
		For ASTM 120, Deduct	*-2.05*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0276	EA	1-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	30.86	10.36
		For Schedule 80 Nipples, Add	*17.44*	
		For ASTM 120, Deduct	*-2.30*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0277	EA	2" x 10" Long, Schedule 40 Galvanized Steel Nipple	42.48	13.35
		For Schedule 80 Nipples, Add	*25.54*	
		For ASTM 120, Deduct	*-3.36*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0278	EA	2-1/2" x 10" Long, Schedule 40 Galvanized Steel Nipple	62.27	16.62
		For Schedule 80 Nipples, Add	*42.61*	
		For ASTM 120, Deduct	*-5.61*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0279	EA	3" x 10" Long, Schedule 40 Galvanized Steel Nipple	82.40	20.07
		For Schedule 80 Nipples, Add	*59.61*	
		For ASTM 120, Deduct	*-7.84*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0280	EA	4" x 10" Long, Schedule 40 Galvanized Steel Nipple	99.63	24.08
		For Schedule 80 Nipples, Add	*72.44*	
		For ASTM 120, Deduct	*-9.53*	
		For Work In Restricted Working Space, Add	*10.83*	
22 11 16 00-0281	EA	3/8" x 12" Long, Schedule 40 Galvanized Steel Nipple	24.72	8.86
		For Schedule 80 Nipples, Add	*12.98*	
		For ASTM 120, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0282	EA	1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	21.12	8.86
		For Schedule 80 Nipples, Add	*8.88*	
		For ASTM 120, Deduct	*-1.17*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0283	EA	3/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	22.50	8.86
		For Schedule 80 Nipples, Add	*10.45*	
		For ASTM 120, Deduct	*-1.38*	
		For Work In Restricted Working Space, Add	*4.00*	
22 11 16 00-0284	EA	1" x 12" Long, Schedule 40 Galvanized Steel Nipple	26.78	9.61
		For Schedule 80 Nipples, Add	*14.16*	
		For ASTM 120, Deduct	*-1.86*	
		For Work In Restricted Working Space, Add	*4.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0285	EA	1-1/4" x 12" Long, Schedule 40 Galvanized Steel Nipple	31.99	10.36
		For Schedule 80 Nipples, Add	*18.73*	
		For ASTM 120, Deduct	*-2.46*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0286	EA	1-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	33.07	10.36
		For Schedule 80 Nipples, Add	*19.96*	
		For ASTM 120, Deduct	*-2.63*	
		For Work In Restricted Working Space, Add	*4.67*	
22 11 16 00-0287	EA	2" x 12" Long, Schedule 40 Galvanized Steel Nipple	45.78	13.35
		For Schedule 80 Nipples, Add	*29.30*	
		For ASTM 120, Deduct	*-3.86*	
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-0288	EA	2-1/2" x 12" Long, Schedule 40 Galvanized Steel Nipple	66.72	16.62
		For Schedule 80 Nipples, Add	*47.69*	
		For ASTM 120, Deduct	*-6.27*	
		For Work In Restricted Working Space, Add	*7.47*	
22 11 16 00-0289	EA	3" x 12" Long, Schedule 40 Galvanized Steel Nipple	88.91	20.07
		For Schedule 80 Nipples, Add	*67.03*	
		For ASTM 120, Deduct	*-8.82*	
		For Work In Restricted Working Space, Add	*9.03*	
22 11 16 00-0290	EA	4" x 12" Long, Schedule 40 Galvanized Steel Nipple	108.42	24.08
		For Schedule 80 Nipples, Add	*82.46*	
		For ASTM 120, Deduct	*-10.85*	
		For Work In Restricted Working Space, Add	*10.83*	

22 11 16 00-0291 Galvanized Malleable Iron Square Head Plugs *(22 11 16 00-0013)*

22 11 16 00-0292	EA	1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	15.46	6.63
		For 300 LB Rating, Add	*19.30*	
		For Work In Restricted Working Space, Add	*2.99*	
22 11 16 00-0293	EA	3/4", 150 LB, Galvanized Malleable Iron Square Head Plug	16.64	7.46
		For 300 LB Rating, Add	*19.37*	
		For Work In Restricted Working Space, Add	*3.34*	
22 11 16 00-0294	EA	1", 150 LB, Galvanized Malleable Iron Square Head Plug	18.48	8.31
		For 300 LB Rating, Add	*21.28*	
		For Work In Restricted Working Space, Add	*3.73*	
22 11 16 00-0295	EA	1-1/4", 150 LB, Galvanized Malleable Iron Square Head Plug	23.37	9.43
		For 300 LB Rating, Add	*32.40*	
		For Work In Restricted Working Space, Add	*4.23*	
22 11 16 00-0296	EA	1-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	28.38	10.55
		For 300 LB Rating, Add	*43.45*	
		For Work In Restricted Working Space, Add	*4.76*	
22 11 16 00-0297	EA	2", 150 LB, Galvanized Malleable Iron Square Head Plug	36.08	13.44
		For 300 LB Rating, Add	*55.27*	
		For Work In Restricted Working Space, Add	*6.05*	
22 11 16 00-0298	EA	2-1/2", 150 LB, Galvanized Malleable Iron Square Head Plug	60.88	19.89
		For 300 LB Rating, Add	*107.23*	
		For Work In Restricted Working Space, Add	*8.96*	
22 11 16 00-0299	EA	3", 150 LB, Galvanized Malleable Iron Square Head Plug	83.31	26.23
		For 300 LB Rating, Add	*151.96*	
		For Work In Restricted Working Space, Add	*11.79*	
22 11 16 00-0300	EA	4", 150 LB, Galvanized Malleable Iron Square Head Plug	133.44	28.06
		For 300 LB Rating, Add	*313.08*	
		For Work In Restricted Working Space, Add	*12.63*	
22 11 16 00-0301	EA	5", 150 LB, Galvanized Malleable Iron Square Head Plug	211.52	29.32
		For 300 LB Rating, Add	*572.41*	
		For Work In Restricted Working Space, Add	*13.18*	
22 11 16 00-0302	EA	6", 150 LB, Galvanized Malleable Iron Square Head Plug	227.10	30.58
		For 300 LB Rating, Add	*618.73*	
		For Work In Restricted Working Space, Add	*13.78*	

22 11 16 00-0303 Galvanized Malleable Iron Bushing *(22 11 16 00-0013)*

22 11 16 00-0304	EA	3/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	38.55	17.55
		For Work In Restricted Working Space, Add	*7.91*	
22 11 16 00-0305	EA	1" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	42.57	18.67
		For Work In Restricted Working Space, Add	*8.40*	
22 11 16 00-0306	EA	1" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	43.29	19.69
		For Work In Restricted Working Space, Add	*8.85*	
22 11 16 00-0307	EA	1-1/4" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	50.45	20.07
		For Work In Restricted Working Space, Add	*9.02*	
22 11 16 00-0308	EA	1-1/4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	50.09	21.01
		For Work In Restricted Working Space, Add	*9.46*	
22 11 16 00-0309	EA	1-1/4" x 1", 150 LB, Galvanized Malleable Iron Bushing	51.72	22.12
		For Work In Restricted Working Space, Add	*9.95*	
22 11 16 00-0310	EA	1-1/2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	59.25	21.56
		For Work In Restricted Working Space, Add	*9.69*	
22 11 16 00-0311	EA	1-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	60.74	22.50
		For Work In Restricted Working Space, Add	*10.14*	
22 11 16 00-0312	EA	1-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	59.72	23.62
		For Work In Restricted Working Space, Add	*10.63*	
22 11 16 00-0313	EA	1-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	59.89	25.02
		For Work In Restricted Working Space, Add	*11.24*	
22 11 16 00-0314	EA	2" x 1/2", 150 LB, Galvanized Malleable Iron Bushing	71.34	25.11
		For Work In Restricted Working Space, Add	*11.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0315	EA	2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	70.48	26.14
		For Work In Restricted Working Space, Add	*11.75*	
22 11 16 00-0316	EA	2" x 1", 150 LB, Galvanized Malleable Iron Bushing	70.39	27.16
		For Work In Restricted Working Space, Add	*12.23*	
22 11 16 00-0317	EA	2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	72.45	28.56
		For Work In Restricted Working Space, Add	*12.85*	
22 11 16 00-0318	EA	2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	71.06	30.05
		For Work In Restricted Working Space, Add	*13.53*	
22 11 16 00-0319	EA	2-1/2" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	99.98	34.17
		For Work In Restricted Working Space, Add	*15.38*	
22 11 16 00-0320	EA	2-1/2" x 1", 150 LB, Galvanized Malleable Iron Bushing	101.60	35.29
		For Work In Restricted Working Space, Add	*15.87*	
22 11 16 00-0321	EA	2-1/2" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	103.66	36.59
		For Work In Restricted Working Space, Add	*16.49*	
22 11 16 00-0322	EA	2-1/2" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	105.01	38.18
		For Work In Restricted Working Space, Add	*17.16*	
22 11 16 00-0323	EA	2-1/2" x 2", 150 LB, Galvanized Malleable Iron Bushing	104.92	41.72
		For Work In Restricted Working Space, Add	*18.77*	
22 11 16 00-0324	EA	3" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	127.36	42.00
		For Work In Restricted Working Space, Add	*18.92*	
22 11 16 00-0325	EA	3" x 1", 150 LB, Galvanized Malleable Iron Bushing	128.98	43.12
		For Work In Restricted Working Space, Add	*19.40*	
22 11 16 00-0326	EA	3" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	131.04	44.52
		For Work In Restricted Working Space, Add	*20.02*	
22 11 16 00-0327	EA	3" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	132.03	46.01
		For Work In Restricted Working Space, Add	*20.70*	
22 11 16 00-0328	EA	3" x 2", 150 LB, Galvanized Malleable Iron Bushing	131.50	49.56
		For Work In Restricted Working Space, Add	*22.31*	
22 11 16 00-0329	EA	3" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	146.93	57.68
		For Work In Restricted Working Space, Add	*25.94*	
22 11 16 00-0330	EA	4" x 3/4", 150 LB, Galvanized Malleable Iron Bushing	200.86	44.03
		For Work In Restricted Working Space, Add	*19.83*	
22 11 16 00-0331	EA	4" x 1", 150 LB, Galvanized Malleable Iron Bushing	202.42	45.11
		For Work In Restricted Working Space, Add	*20.30*	
22 11 16 00-0332	EA	4" x 1-1/4", 150 LB, Galvanized Malleable Iron Bushing	204.41	46.46
		For Work In Restricted Working Space, Add	*20.90*	
22 11 16 00-0333	EA	4" x 1-1/2", 150 LB, Galvanized Malleable Iron Bushing	206.58	47.91
		For Work In Restricted Working Space, Add	*21.55*	
22 11 16 00-0334	EA	4" x 2", 150 LB, Galvanized Malleable Iron Bushing	195.90	51.33
		For Work In Restricted Working Space, Add	*23.10*	
22 11 16 00-0335	EA	4" x 2-1/2", 150 LB, Galvanized Malleable Iron Bushing	223.47	59.18
		For Work In Restricted Working Space, Add	*26.61*	
22 11 16 00-0336	EA	4" x 3", 150 LB, Galvanized Malleable Iron Bushing	225.96	66.76
		For Work In Restricted Working Space, Add	*30.03*	

22 11 16 00-0337 Galvanized Malleable Iron Floor Flange *(22 11 16 00-0013)*

Note: Excludes fasteners to floor or wall. See CSI section 05 05 19 00-0001 for anchors.

22 11 16 00-0338	EA	1/2", 150 LB, Galvanized Malleable Iron Floor Flange	56.99	34.11
22 11 16 00-0339	EA	3/4", 150 LB, Galvanized Malleable Iron Floor Flange	62.31	37.33
22 11 16 00-0340	EA	1", 150 LB, Galvanized Malleable Iron Floor Flange	71.48	42.19
22 11 16 00-0341	EA	1-1/4", 150 LB, Galvanized Malleable Iron Floor Flange	74.26	43.69
22 11 16 00-0342	EA	1-1/2", 150 LB, Galvanized Malleable Iron Floor Flange	80.82	47.51
22 11 16 00-0343	EA	2", 150 LB, Galvanized Malleable Iron Floor Flange	86.83	49.56

22 11 16 00-0344 Galvanized Cast Iron Flanges *(22 11 16 00-0013)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.

22 11 16 00-0345	EA	3/4", 125 LB, Galvanized Cast Iron Flange	105.19	37.33
		For Work In Restricted Working Space, Add	*16.80*	
22 11 16 00-0346	EA	1", 125 LB, Galvanized Cast Iron Flange	101.36	42.19
		For Work In Restricted Working Space, Add	*18.98*	
22 11 16 00-0347	EA	1-1/4", 125 LB, Galvanized Cast Iron Flange	85.62	43.69
		For Work In Restricted Working Space, Add	*19.65*	
22 11 16 00-0348	EA	1-1/2", 125 LB, Galvanized Cast Iron Flange	116.00	47.51
		For Work In Restricted Working Space, Add	*21.38*	
22 11 16 00-0349	EA	2", 125 LB, Galvanized Cast Iron Flange	113.70	49.56
		For Work In Restricted Working Space, Add	*22.31*	
22 11 16 00-0350	EA	2-1/2", 125 LB, Galvanized Cast Iron Flange	132.03	57.40
		For Work In Restricted Working Space, Add	*25.80*	
22 11 16 00-0351	EA	3", 125 LB, Galvanized Cast Iron Flange	233.43	72.81
		For Work In Restricted Working Space, Add	*32.74*	
22 11 16 00-0352	EA	4", 125 LB, Galvanized Cast Iron Flange	313.59	96.26
		For Work In Restricted Working Space, Add	*43.29*	
22 11 16 00-0353	EA	5", 125 LB, Galvanized Cast Iron Flange	437.55	114.58
		For Work In Restricted Working Space, Add	*51.54*	
22 11 16 00-0354	EA	6", 125 LB, Galvanized Cast Iron Flange	481.41	131.63
		For Work In Restricted Working Space, Add	*59.21*	
22 11 16 00-0355	EA	8", 125 LB, Galvanized Cast Iron Flange	447.63	150.43
		For Work In Restricted Working Space, Add	*67.66*	

22 11 16 00-0356 Cut And Thread Existing In-Place Galvanized Steel Pipe *(22 11 16 00-0013)*

Note: For use when connecting pipe to an existing in-place system.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0357	EA	1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	30.41	
		For Work In Restricted Working Space, Add	*9.12*	
22 11 16 00-0358	EA	3/4", Cut And Thread Existing In Place Galvanized Steel Pipe	33.44	
		For Work In Restricted Working Space, Add	*10.03*	
22 11 16 00-0359	EA	1", Cut And Thread Existing In Place Galvanized Steel Pipe	36.49	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0360	EA	1-1/4", Cut And Thread Existing In Place Galvanized Steel Pipe	39.53	
		For Work In Restricted Working Space, Add	*11.86*	
22 11 16 00-0361	EA	1-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	41.55	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0362	EA	2", Cut And Thread Existing In Place Galvanized Steel Pipe	43.58	
		For Work In Restricted Working Space, Add	*13.07*	
22 11 16 00-0363	EA	2-1/2", Cut And Thread Existing In Place Galvanized Steel Pipe	45.61	
		For Work In Restricted Working Space, Add	*13.68*	
22 11 16 00-0364	EA	3", Cut And Thread Existing In Place Galvanized Steel Pipe	47.63	
		For Work In Restricted Working Space, Add	*14.29*	
22 11 16 00-0365	EA	4", Cut And Thread Existing In Place Galvanized Steel Pipe	49.66	
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0366	EA	6", Cut And Thread Existing In Place Galvanized Steel Pipe	53.71	
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0367	EA	8", Cut And Thread Existing In Place Galvanized Steel Pipe	57.76	
		For Work In Restricted Working Space, Add	*17.33*	

22 11 16 00-0368 Copper Pipe And Fittings *(22 11 16)*

Note: Excludes hangers. See CSI section 22 11 16 00-0899 for pipe with fittings assembly.

22 11 16 00-0369 Copper Tube/Pipe *(22 11 16 00-0368)*

Note: Pipe based on inside diameter size. Excludes hangers and fittings (couplers, tees, elbows, etc).

22 11 16 00-0370 Hard Drawn Type L Copper Tube/Pipe *(22 11 16 00-0369)*

22 11 16 00-0371	LF	1/4" Hard Drawn Type L Copper Tube/Pipe	4.56	2.28
		For Medical/Oxygen Service Tubing, Add	*0.09*	
		For <20, Add	*0.11*	
		For >150, Deduct	*-0.23*	
		For Work In Restricted Working Space, Add	*1.03*	
22 11 16 00-0372	LF	3/8" Hard Drawn Type L Copper Tube/Pipe	5.23	2.37
		For Medical/Oxygen Service Tubing, Add	*0.13*	
		For <20, Add	*0.17*	
		For >150, Deduct	*-0.33*	
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0373	LF	1/2" Hard Drawn Type L Copper Tube/Pipe	5.70	2.47
		For Medical/Oxygen Service Tubing, Add	*0.16*	
		For <20, Add	*0.20*	
		For >150, Deduct	*-0.40*	
		For Work In Restricted Working Space, Add	*1.11*	
22 11 16 00-0374	LF	3/4" Hard Drawn Type L Copper Tube/Pipe	7.17	2.62
		For Medical/Oxygen Service Tubing, Add	*0.26*	
		For <20, Add	*0.32*	
		For >150, Deduct	*-0.65*	
		For Work In Restricted Working Space, Add	*1.18*	
22 11 16 00-0375	LF	1" Hard Drawn Type L Copper Tube/Pipe	9.09	2.95
		For Medical/Oxygen Service Tubing, Add	*0.37*	
		For <20, Add	*0.47*	
		For >150, Deduct	*-0.93*	
		For Work In Restricted Working Space, Add	*1.33*	
22 11 16 00-0376	LF	1-1/4" Hard Drawn Type L Copper Tube/Pipe	13.01	4.38
		For Medical/Oxygen Service Tubing, Add	*0.52*	
		For <20, Add	*0.64*	
		For >150, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*1.97*	
22 11 16 00-0377	LF	1-1/2" Hard Drawn Type L Copper Tube/Pipe	15.63	4.90
		For Medical/Oxygen Service Tubing, Add	*0.66*	
		For <20, Add	*0.83*	
		For >150, Deduct	*-1.66*	
		For Work In Restricted Working Space, Add	*2.20*	
22 11 16 00-0378	LF	2" Hard Drawn Type L Copper Tube/Pipe	22.16	6.04
		For Medical/Oxygen Service Tubing, Add	*1.05*	
		For <20, Add	*1.31*	
		For >150, Deduct	*-2.62*	
		For Work In Restricted Working Space, Add	*2.72*	
22 11 16 00-0379	LF	2-1/2" Hard Drawn Type L Copper Tube/Pipe	40.28	7.10
		For Medical/Oxygen Service Tubing, Add	*1.52*	
		For <20, Add	*1.89*	
		For >150, Deduct	*-3.79*	
		For Work In Restricted Working Space, Add	*6.40*	
22 11 16 00-0380	LF	3" Hard Drawn Type L Copper Tube/Pipe	50.35	8.37
		For Medical/Oxygen Service Tubing, Add	*2.02*	
		For <20, Add	*2.53*	
		For >150, Deduct	*-5.05*	
		For Work In Restricted Working Space, Add	*7.53*	
22 11 16 00-0381	LF	4" Hard Drawn Type L Copper Tube/Pipe	73.34	9.45
		For Medical/Oxygen Service Tubing, Add	*3.60*	
		For <20, Add	*4.50*	
		For >150, Deduct	*-9.00*	
		For Work In Restricted Working Space, Add	*8.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0382	LF	5" Hard Drawn Type L Copper Tube/Pipe	112.04	10.85
		For Medical/Oxygen Service Tubing, Add	*6.36*	
		For <20, Add	*7.95*	
		For >150, Deduct	*-15.90*	
		For Work In Restricted Working Space, Add	*9.76*	
22 11 16 00-0383	LF	6" Hard Drawn Type L Copper Tube/Pipe	155.01	16.81
		For Medical/Oxygen Service Tubing, Add	*8.37*	
		For <20, Add	*10.46*	
		For >150, Deduct	*-20.92*	
		For Work In Restricted Working Space, Add	*15.12*	
22 11 16 00-0384	LF	8" Hard Drawn Type L Copper Tube/Pipe	253.18	18.69
		For Medical/Oxygen Service Tubing, Add	*15.77*	
		For <20, Add	*19.72*	
		For >150, Deduct	*-39.43*	
		For Work In Restricted Working Space, Add	*16.81*	

22 11 16 00-0385 Hard Drawn Type K Copper Tube/Pipe *(22 11 16 00-0369)*

22 11 16 00-0386	LF	1/4" Hard Drawn Type K Copper Tube/Pipe	4.95	2.45
		For Medical/Oxygen Service Tubing, Add	*0.10*	
		For <20, Add	*0.13*	
		For >150, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*1.10*	
22 11 16 00-0387	LF	3/8" Hard Drawn Type K Copper Tube/Pipe	6.50	2.55
		For Medical/Oxygen Service Tubing, Add	*0.18*	
		For <20, Add	*0.23*	
		For >150, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.26*	
22 11 16 00-0388	LF	1/2" Hard Drawn Type K Copper Tube/Pipe	6.79	2.65
		For Medical/Oxygen Service Tubing, Add	*0.22*	
		For <20, Add	*0.27*	
		For >150, Deduct	*-0.54*	
		For Work In Restricted Working Space, Add	*1.23*	
22 11 16 00-0389	LF	3/4" Hard Drawn Type K Copper Tube/Pipe	9.61	2.82
		For Medical/Oxygen Service Tubing, Add	*0.39*	
		For <20, Add	*0.49*	
		For >150, Deduct	*-0.97*	
		For Work In Restricted Working Space, Add	*1.42*	
22 11 16 00-0390	LF	1" Hard Drawn Type K Copper Tube/Pipe	11.52	3.17
		For Medical/Oxygen Service Tubing, Add	*0.52*	
		For <20, Add	*0.65*	
		For >150, Deduct	*-1.29*	
		For Work In Restricted Working Space, Add	*1.52*	
22 11 16 00-0391	LF	1-1/4" Hard Drawn Type K Copper Tube/Pipe	15.22	4.72
		For Medical/Oxygen Service Tubing, Add	*0.64*	
		For <20, Add	*0.81*	
		For >150, Deduct	*-1.61*	
		For Work In Restricted Working Space, Add	*2.15*	
22 11 16 00-0392	LF	1-1/2" Hard Drawn Type K Copper Tube/Pipe	18.37	5.26
		For Medical/Oxygen Service Tubing, Add	*0.83*	
		For <20, Add	*1.03*	
		For >150, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*2.41*	
22 11 16 00-0393	LF	2" Hard Drawn Type K Copper Tube/Pipe	25.72	6.50
		For Medical/Oxygen Service Tubing, Add	*1.27*	
		For <20, Add	*1.59*	
		For >150, Deduct	*-3.17*	
		For Work In Restricted Working Space, Add	*2.96*	
22 11 16 00-0394	LF	2-1/2" Hard Drawn Type K Copper Tube/Pipe	45.08	7.63
		For Medical/Oxygen Service Tubing, Add	*1.89*	
		For <20, Add	*2.37*	
		For >150, Deduct	*-4.73*	
		For Work In Restricted Working Space, Add	*6.43*	
22 11 16 00-0395	LF	3" Hard Drawn Type K Copper Tube/Pipe	59.95	9.00
		For Medical/Oxygen Service Tubing, Add	*2.59*	
		For <20, Add	*3.23*	
		For >150, Deduct	*-6.47*	
		For Work In Restricted Working Space, Add	*8.29*	
22 11 16 00-0396	LF	4" Hard Drawn Type K Copper Tube/Pipe	88.91	10.15
		For Medical/Oxygen Service Tubing, Add	*4.61*	
		For <20, Add	*5.76*	
		For >150, Deduct	*-11.52*	
		For Work In Restricted Working Space, Add	*9.39*	
22 11 16 00-0397	LF	5" Hard Drawn Type K Copper Tube/Pipe	142.53	11.66
		For Medical/Oxygen Service Tubing, Add	*8.45*	
		For <20, Add	*10.56*	
		For >150, Deduct	*-21.12*	
		For Work In Restricted Working Space, Add	*11.08*	
22 11 16 00-0398	LF	6" Hard Drawn Type K Copper Tube/Pipe	211.05	18.07
		For Medical/Oxygen Service Tubing, Add	*12.12*	
		For <20, Add	*15.15*	
		For >150, Deduct	*-30.30*	
		For Work In Restricted Working Space, Add	*17.87*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0399	LF	8" Hard Drawn Type K Copper Tube/Pipe	349.30	20.09
		For Medical/Oxygen Service Tubing, Add	*22.70*	
		For <20, Add	*28.37*	
		For >150, Deduct	*-56.74*	
		For Work In Restricted Working Space, Add	*19.68*	

22 11 16 00-0400 Hard Drawn Type M Copper Tube/Pipe *(22 11 16 00-0369)*

22 11 16 00-0401	LF	3/8" Hard Drawn Type M Copper Tube/Pipe	4.38	2.14
		For <20, Add	*0.13*	
		For >150, Deduct	*-0.26*	
		For Work In Restricted Working Space, Add	*0.92*	
22 11 16 00-0402	LF	1/2" Hard Drawn Type M Copper Tube/Pipe	4.64	2.23
		For <20, Add	*0.15*	
		For >150, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*0.95*	
22 11 16 00-0403	LF	3/4" Hard Drawn Type M Copper Tube/Pipe	5.76	2.36
		For <20, Add	*0.24*	
		For >150, Deduct	*-0.47*	
		For Work In Restricted Working Space, Add	*1.02*	
22 11 16 00-0404	LF	1" Hard Drawn Type M Copper Tube/Pipe	7.43	2.65
		For <20, Add	*0.37*	
		For >150, Deduct	*-0.73*	
		For Work In Restricted Working Space, Add	*1.13*	
22 11 16 00-0405	LF	1-1/4" Hard Drawn Type M Copper Tube/Pipe	11.14	3.95
		For <20, Add	*0.53*	
		For >150, Deduct	*-1.06*	
		For Work In Restricted Working Space, Add	*1.75*	
22 11 16 00-0406	LF	1-1/2" Hard Drawn Type M Copper Tube/Pipe	14.02	4.40
		For <20, Add	*0.73*	
		For >150, Deduct	*-1.47*	
		For Work In Restricted Working Space, Add	*2.01*	
22 11 16 00-0407	LF	2" Hard Drawn Type M Copper Tube/Pipe	19.83	5.43
		For <20, Add	*1.15*	
		For >150, Deduct	*-2.31*	
		For Work In Restricted Working Space, Add	*2.49*	
22 11 16 00-0408	LF	2-1/2" Hard Drawn Type M Copper Tube/Pipe	36.89	6.39
		For <20, Add	*1.67*	
		For >150, Deduct	*-3.35*	
		For Work In Restricted Working Space, Add	*6.05*	
22 11 16 00-0409	LF	3" Hard Drawn Type M Copper Tube/Pipe	44.89	7.53
		For <20, Add	*2.23*	
		For >150, Deduct	*-4.45*	
		For Work In Restricted Working Space, Add	*6.79*	
22 11 16 00-0410	LF	4" Hard Drawn Type M Copper Tube/Pipe	68.10	8.50
		For <20, Add	*4.17*	
		For >150, Deduct	*-8.34*	
		For Work In Restricted Working Space, Add	*7.93*	
22 11 16 00-0411	LF	5" Hard Drawn Type M Copper Tube/Pipe	111.41	9.76
		For <20, Add	*8.09*	
		For >150, Deduct	*-16.18*	
		For Work In Restricted Working Space, Add	*9.15*	
22 11 16 00-0412	LF	6" Hard Drawn Type M Copper Tube/Pipe	155.33	15.13
		For <20, Add	*10.81*	
		For >150, Deduct	*-21.62*	
		For Work In Restricted Working Space, Add	*14.18*	
22 11 16 00-0413	LF	8" Hard Drawn Type M Copper Tube/Pipe	256.79	16.82
		For <20, Add	*20.48*	
		For >150, Deduct	*-40.97*	
		For Work In Restricted Working Space, Add	*15.59*	

22 11 16 00-0414 Soft Drawn Type L Copper Tube *(22 11 16 00-0369)*

22 11 16 00-0415	LF	1/4" Soft Drawn Type L Copper Tube	4.89	2.28
		For <20, Add	*0.15*	
		For >150, Deduct	*-0.29*	
		For Work In Restricted Working Space, Add	*1.03*	
22 11 16 00-0416	LF	3/8" Soft Drawn Type L Copper Tube	5.84	2.37
		For <20, Add	*0.23*	
		For >150, Deduct	*-0.46*	
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0417	LF	1/2" Soft Drawn Type L Copper Tube	6.77	2.47
		For <20, Add	*0.31*	
		For >150, Deduct	*-0.61*	
		For Work In Restricted Working Space, Add	*1.11*	
22 11 16 00-0418	LF	5/8" Soft Drawn Type L Copper Tube	7.75	2.55
		For <20, Add	*0.39*	
		For >150, Deduct	*-0.79*	
		For Work In Restricted Working Space, Add	*1.15*	
22 11 16 00-0419	LF	3/4" Soft Drawn Type L Copper Tube	8.63	2.62
		For <20, Add	*0.47*	
		For >150, Deduct	*-0.94*	
		For Work In Restricted Working Space, Add	*1.18*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0420	LF	1" Soft Drawn Type L Copper Tube	10.92	2.95
		For <20, Add	*0.65*	
		For >150, Deduct	*-1.30*	
		For Work In Restricted Working Space, Add	*1.33*	
22 11 16 00-0421	LF	1-1/4" Soft Drawn Type L Copper Tube	15.12	4.38
		For <20, Add	*0.86*	
		For >150, Deduct	*-1.71*	
		For Work In Restricted Working Space, Add	*1.97*	
22 11 16 00-0422	LF	1-1/2" Soft Drawn Type L Copper Tube	18.93	4.90
		For <20, Add	*1.16*	
		For >150, Deduct	*-2.32*	
		For Work In Restricted Working Space, Add	*2.20*	
22 11 16 00-0423	LF	2" Soft Drawn Type L Copper Tube	27.48	6.04
		For <20, Add	*1.84*	
		For >150, Deduct	*-3.69*	
		For Work In Restricted Working Space, Add	*2.72*	

22 11 16 00-0424 Soft Drawn Type K Copper Tube *(22 11 16 00-0369)*

22 11 16 00-0425	LF	1/4" Soft Drawn Type K Copper Tube	5.04	2.28
		For <20, Add	*0.16*	
		For >150, Deduct	*-0.32*	
		For Work In Restricted Working Space, Add	*1.03*	
22 11 16 00-0426	LF	3/8" Soft Drawn Type K Copper Tube	6.32	2.37
		For <20, Add	*0.28*	
		For >150, Deduct	*-0.55*	
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-0427	LF	1/2" Soft Drawn Type K Copper Tube	7.17	2.47
		For <20, Add	*0.35*	
		For >150, Deduct	*-0.69*	
		For Work In Restricted Working Space, Add	*1.11*	
22 11 16 00-0428	LF	5/8" Soft Drawn Type K Copper Tube	7.94	2.55
		For <20, Add	*0.41*	
		For >150, Deduct	*-0.82*	
		For Work In Restricted Working Space, Add	*1.15*	
22 11 16 00-0429	LF	3/4" Soft Drawn Type K Copper Tube	10.34	2.62
		For <20, Add	*0.64*	
		For >150, Deduct	*-1.28*	
		For Work In Restricted Working Space, Add	*1.18*	
22 11 16 00-0430	LF	1" Soft Drawn Type K Copper Tube	12.91	2.95
		For <20, Add	*0.85*	
		For >150, Deduct	*-1.70*	
		For Work In Restricted Working Space, Add	*1.33*	
22 11 16 00-0431	LF	1-1/4" Soft Drawn Type K Copper Tube	16.58	4.38
		For <20, Add	*1.00*	
		For >150, Deduct	*-2.00*	
		For Work In Restricted Working Space, Add	*1.97*	
22 11 16 00-0432	LF	1-1/2" Soft Drawn Type K Copper Tube	21.26	4.90
		For <20, Add	*1.39*	
		For >150, Deduct	*-2.78*	
		For Work In Restricted Working Space, Add	*2.20*	
22 11 16 00-0433	LF	2" Soft Drawn Type K Copper Tube	30.68	6.04
		For <20, Add	*2.16*	
		For >150, Deduct	*-4.33*	
		For Work In Restricted Working Space, Add	*2.72*	
22 11 16 00-0434	LF	2-1/2" Soft Drawn Type K Copper Tube	43.30	7.25
		For <20, Add	*3.24*	
		For >150, Deduct	*-6.49*	
		For Work In Restricted Working Space, Add	*3.26*	
22 11 16 00-0435	LF	3" Soft Drawn Type K Copper Tube	57.95	8.55
		For <20, Add	*4.51*	
		For >150, Deduct	*-9.03*	
		For Work In Restricted Working Space, Add	*3.85*	

22 11 16 00-0436 Copper And Brass Fittings *(22 11 16 00-0368)*

Note: All fittings are based on 95/5 solder.

22 11 16 00-0437 90 Degree Copper Elbows *(22 11 16 00-0436)*

22 11 16 00-0438	EA	1/4" 90 Degree Copper Elbow	24.36	13.52
		For Silver Solder Instead Of 95/5 Solder, Add	*3.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.04*	
		For Street Fitting, Add	*1.64*	
		For Work In Restricted Working Space, Add	*6.08*	
22 11 16 00-0439	EA	3/8" 90 Degree Copper Elbow	28.64	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*3.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.65*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Street Fitting, Add	*1.73*	
		For Work In Restricted Working Space, Add	*7.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0440	EA	1/2" 90 Degree Copper Elbow	34.84	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	*5.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.02*	
		For Street Fitting, Add	*0.56*	
		For Work In Restricted Working Space, Add	*10.03*	
22 11 16 00-0441	EA	3/4" 90 Degree Copper Elbow	44.70	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*6.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Street Fitting, Add	*1.26*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0442	EA	1" 90 Degree Copper Elbow	57.37	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	*7.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.45*	
		For Street Fitting, Add	*3.08*	
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0443	EA	1-1/4" 90 Degree Copper Elbow	65.24	35.88
		For Silver Solder Instead Of 95/5 Solder, Add	*8.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.95*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.06*	
		For Street Fitting, Add	*4.61*	
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0444	EA	1-1/2" 90 Degree Copper Elbow	76.81	39.22
		For Silver Solder Instead Of 95/5 Solder, Add	*9.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.82*	
		For Street Fitting, Add	*7.21*	
		For Work In Restricted Working Space, Add	*17.63*	
22 11 16 00-0445	EA	2" 90 Degree Copper Elbow	98.73	43.98
		For Silver Solder Instead Of 95/5 Solder, Add	*11.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.88*	
		For Street Fitting, Add	*13.14*	
		For Work In Restricted Working Space, Add	*19.76*	
22 11 16 00-0446	EA	2-1/2" 90 Degree Copper Elbow	131.64	44.80
		For Silver Solder Instead Of 95/5 Solder, Add	*13.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.94*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.08*	
		For Work In Restricted Working Space, Add	*20.16*	
22 11 16 00-0447	EA	3" 90 Degree Copper Elbow	171.15	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	*16.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.04*	
		For Work In Restricted Working Space, Add	*24.08*	
22 11 16 00-0448	EA	4" 90 Degree Copper Elbow	334.38	75.98
		For Silver Solder Instead Of 95/5 Solder, Add	*28.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.08*	
		For Work In Restricted Working Space, Add	*34.16*	
22 11 16 00-0449	EA	5" 90 Degree Copper Elbow	1,079.66	103.98
		For Silver Solder Instead Of 95/5 Solder, Add	*69.57*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-61.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.38*	
		For Work In Restricted Working Space, Add	*46.76*	
22 11 16 00-0450	EA	6" 90 Degree Copper Elbow	1,458.30	151.31
		For Silver Solder Instead Of 95/5 Solder, Add	*95.60*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-84.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.02*	
		For Work In Restricted Working Space, Add	*68.05*	
22 11 16 00-0451	EA	8" 90 Degree Copper Elbow	4,858.28	201.71
		For Silver Solder Instead Of 95/5 Solder, Add	*273.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-258.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*45.36*	
		For Work In Restricted Working Space, Add	*90.73*	

22 11 16 00-0452 90 Degree Brass Elbows *(22 11 16 00-0436)*

22 11 16 00-0453	EA	1/2" Drop Ear 90 Degree Brass Elbow	42.24	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	*5.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.78*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.02*	
		For Work In Restricted Working Space, Add	*10.03*	
22 11 16 00-0454	EA	3/4" Drop Ear 90 Degree Brass Elbow	67.21	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*7.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0455	EA	1/2" Flanged Sink 90 Degree Brass Elbow	49.48	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	*5.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.02*	
		For Work In Restricted Working Space, Add	*10.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0456	EA	3/8" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	37.48	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*4.31*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0457	EA	1/2" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	42.86	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	*5.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.02*	
		For Work In Restricted Working Space, Add	*10.03*	
22 11 16 00-0458	EA	3/4" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	58.14	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*7.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0459	EA	1" Drop Ear 90 Degree Brass Elbow, Solder X Threaded	102.62	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	*10.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.61*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.45*	
		For Work In Restricted Working Space, Add	*14.90*	

22 11 16 00-0460 Reducing 90 Degree Copper Elbows *(22 11 16 00-0436)*

22 11 16 00-0461	EA	1/2" Reducing 90 Degree Copper Elbow	44.81	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	*5.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.02*	
		For Work In Restricted Working Space, Add	*10.03*	
22 11 16 00-0462	EA	3/4" Reducing 90 Degree Copper Elbow	49.61	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*6.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.56*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0463	EA	1" Reducing 90 Degree Copper Elbow	64.46	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	*8.19*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.45*	
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0464	EA	1-1/4" Reducing 90 Degree Copper Elbow	91.40	35.88
		For Silver Solder Instead Of 95/5 Solder, Add	*9.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.06*	
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0465	EA	1-1/2" Reducing 90 Degree Copper Elbow	108.31	39.22
		For Silver Solder Instead Of 95/5 Solder, Add	*11.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.82*	
		For Work In Restricted Working Space, Add	*17.63*	
22 11 16 00-0466	EA	2" Reducing 90 Degree Copper Elbow	132.53	43.98
		For Silver Solder Instead Of 95/5 Solder, Add	*13.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.88*	
		For Work In Restricted Working Space, Add	*19.76*	

22 11 16 00-0467 45 Degree Copper Elbows *(22 11 16 00-0436)*

22 11 16 00-0468	EA	1/4" 45 Degree Copper Elbow	27.90	13.52
		For Silver Solder Instead Of 95/5 Solder, Add	*3.42*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.41*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.04*	
		For Street Fitting, Add	*3.05*	
		For Work In Restricted Working Space, Add	*6.08*	
22 11 16 00-0469	EA	3/8" 45 Degree Copper Elbow	30.86	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*3.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.76*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Street Fitting, Add	*2.62*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0470	EA	1/2" 45 Degree Copper Elbow	36.01	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	*5.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.02*	
		For Street Fitting, Add	*1.03*	
		For Work In Restricted Working Space, Add	*10.03*	
22 11 16 00-0471	EA	3/4" 45 Degree Copper Elbow	45.95	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*6.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.38*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Street Fitting, Add	*1.76*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0472	EA	1" 45 Degree Copper Elbow	60.64	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	*8.00*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.52*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.45*	
		For Street Fitting, Add	*4.39*	
		For Work In Restricted Working Space, Add	*14.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0473	EA	1-1/4" 45 Degree Copper Elbow	68.58	35.88
		For Silver Solder Instead Of 95/5 Solder, Add	*8.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.06*	
		For Street Fitting, Add	*5.95*	
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0474	EA	1-1/2" 45 Degree Copper Elbow	77.04	39.22
		For Silver Solder Instead Of 95/5 Solder, Add	*9.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.82*	
		For Street Fitting, Add	*7.30*	
		For Work In Restricted Working Space, Add	*17.63*	
22 11 16 00-0475	EA	2" 45 Degree Copper Elbow	96.32	43.98
		For Silver Solder Instead Of 95/5 Solder, Add	*11.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.88*	
		For Work In Restricted Working Space, Add	*19.76*	
22 11 16 00-0476	EA	2-1/2" 45 Degree Copper Elbow	130.87	44.80
		For Silver Solder Instead Of 95/5 Solder, Add	*13.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.08*	
		For Work In Restricted Working Space, Add	*20.16*	
22 11 16 00-0477	EA	3" 45 Degree Copper Elbow	174.74	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	*16.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.04*	
		For Work In Restricted Working Space, Add	*24.08*	
22 11 16 00-0478	EA	4" 45 Degree Copper Elbow	315.30	75.98
		For Silver Solder Instead Of 95/5 Solder, Add	*27.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.46*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.08*	
		For Work In Restricted Working Space, Add	*34.16*	
22 11 16 00-0479	EA	5" 45 Degree Copper Elbow	935.97	103.98
		For Silver Solder Instead Of 95/5 Solder, Add	*62.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-54.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*23.38*	
		For Work In Restricted Working Space, Add	*46.76*	
22 11 16 00-0480	EA	6" 45 Degree Copper Elbow	1,456.20	151.31
		For Silver Solder Instead Of 95/5 Solder, Add	*95.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-84.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.02*	
		For Work In Restricted Working Space, Add	*68.05*	
22 11 16 00-0481	EA	8" 45 Degree Copper Elbow	4,479.80	201.71
		For Silver Solder Instead Of 95/5 Solder, Add	*254.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-239.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*45.36*	
		For Work In Restricted Working Space, Add	*90.73*	

22 11 16 00-0482 Straight Copper And Brass Tees *(22 11 16 00-0436)*

22 11 16 00-0483	EA	1/4" Straight Copper Tee	38.98	20.27
		For Silver Solder Instead Of 95/5 Solder, Add	*4.99*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.56*	
		For Work In Restricted Working Space, Add	*9.12*	
22 11 16 00-0484	EA	3/8" Straight Copper Tee	43.38	24.32
		For Silver Solder Instead Of 95/5 Solder, Add	*5.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0485	EA	1/2" Straight Copper Tee	53.09	33.85
		For Silver Solder Instead Of 95/5 Solder, Add	*7.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.60*	
		For Work In Restricted Working Space, Add	*15.20*	
22 11 16 00-0486	EA	3/4" Straight Copper Tee	68.59	41.96
		For Silver Solder Instead Of 95/5 Solder, Add	*9.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.42*	
		For Work In Restricted Working Space, Add	*18.85*	
22 11 16 00-0487	EA	1" Straight Copper Tee	92.33	50.06
		For Silver Solder Instead Of 95/5 Solder, Add	*12.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.37*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.25*	
		For Work In Restricted Working Space, Add	*22.50*	
22 11 16 00-0488	EA	1-1/4" Straight Copper Tee	105.21	54.12
		For Silver Solder Instead Of 95/5 Solder, Add	*13.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.31*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.16*	
		For Work In Restricted Working Space, Add	*24.32*	
22 11 16 00-0489	EA	1-1/2" Straight Copper Tee	124.69	58.78
		For Silver Solder Instead Of 95/5 Solder, Add	*15.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.64*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.23*	
		For Work In Restricted Working Space, Add	*26.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0490	EA	2" Straight Copper Tee	157.38	66.28
		For Silver Solder Instead Of 95/5 Solder, Add	*17.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.84*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.90*	
		For Work In Restricted Working Space, Add	*29.80*	
22 11 16 00-0491	EA	2-1/2" Straight Copper Tee	215.67	67.20
		For Silver Solder Instead Of 95/5 Solder, Add	*20.86*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.12*	
		For Work In Restricted Working Space, Add	*30.24*	
22 11 16 00-0492	EA	3" Straight Copper Tee	296.84	80.93
		For Silver Solder Instead Of 95/5 Solder, Add	*26.98*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.20*	
		For Work In Restricted Working Space, Add	*36.40*	
22 11 16 00-0493	EA	4" Straight Copper Tee	594.63	113.32
		For Silver Solder Instead Of 95/5 Solder, Add	*46.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*25.48*	
		For Work In Restricted Working Space, Add	*50.96*	
22 11 16 00-0494	EA	5" Straight Copper Tee	1,620.90	155.04
		For Silver Solder Instead Of 95/5 Solder, Add	*104.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-92.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*34.86*	
		For Work In Restricted Working Space, Add	*69.72*	
22 11 16 00-0495	EA	6" Straight Copper Tee	2,238.73	227.28
		For Silver Solder Instead Of 95/5 Solder, Add	*146.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-128.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*51.10*	
		For Work In Restricted Working Space, Add	*102.21*	
22 11 16 00-0496	EA	8" Straight Copper Tee	7,775.25	302.61
		For Silver Solder Instead Of 95/5 Solder, Add	*434.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-411.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*68.04*	
		For Work In Restricted Working Space, Add	*136.09*	
22 11 16 00-0497	EA	1/2" Cast Bronze Drop Ear Tee	65.52	33.85
		For Silver Solder Instead Of 95/5 Solder, Add	*8.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.60*	
		For Work In Restricted Working Space, Add	*15.20*	

22 11 16 00-0498 Reducing Copper Tees *(22 11 16 00-0436)*

22 11 16 00-0499	EA	3/8" Reducing Copper Tee	46.06	21.59
		For Silver Solder Instead Of 95/5 Solder, Add	*5.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.86*	
		For Work In Restricted Working Space, Add	*9.73*	
22 11 16 00-0500	EA	1/2" Reducing Copper Tee	57.60	30.41
		For Silver Solder Instead Of 95/5 Solder, Add	*7.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.16*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.84*	
		For Work In Restricted Working Space, Add	*13.68*	
22 11 16 00-0501	EA	3/4" Reducing Copper Tee	64.89	39.22
		For Silver Solder Instead Of 95/5 Solder, Add	*9.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.82*	
		For Work In Restricted Working Space, Add	*17.63*	
22 11 16 00-0502	EA	1" Reducing Copper Tee	90.37	47.33
		For Silver Solder Instead Of 95/5 Solder, Add	*11.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.64*	
		For Work In Restricted Working Space, Add	*21.28*	
22 11 16 00-0503	EA	1-1/4" Reducing Copper Tee	106.50	51.38
		For Silver Solder Instead Of 95/5 Solder, Add	*13.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.18*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.55*	
		For Work In Restricted Working Space, Add	*23.11*	
22 11 16 00-0504	EA	1-1/2" Reducing Copper Tee	125.78	56.15
		For Silver Solder Instead Of 95/5 Solder, Add	*14.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.62*	
		For Work In Restricted Working Space, Add	*25.24*	
22 11 16 00-0505	EA	2" Reducing Copper Tee	154.50	62.83
		For Silver Solder Instead Of 95/5 Solder, Add	*17.15*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.14*	
		For Work In Restricted Working Space, Add	*28.28*	
22 11 16 00-0506	EA	2-1/2" Reducing Copper Tee	222.91	64.78
		For Silver Solder Instead Of 95/5 Solder, Add	*20.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.56*	
		For Work In Restricted Working Space, Add	*29.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0507	EA	3" Reducing Copper Tee	318.66	74.67
		For Silver Solder Instead Of 95/5 Solder, Add	*27.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-21.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.80*	
		For Work In Restricted Working Space, Add	*33.60*	
22 11 16 00-0508	EA	4" Reducing Copper Tee	573.18	92.13
		For Silver Solder Instead Of 95/5 Solder, Add	*42.47*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.57*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.72*	
		For Work In Restricted Working Space, Add	*41.45*	

22 11 16 00-0509 Copper Couplings *(22 11 16 00-0436)*

22 11 16 00-0510	EA	1/4" Copper Coupling	21.09	13.52
		For Silver Solder Instead Of 95/5 Solder, Add	*3.08*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.04*	
		For Work In Restricted Working Space, Add	*6.08*	
22 11 16 00-0511	EA	3/8" Copper Coupling	25.41	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*3.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0512	EA	1/2" Copper Coupling	34.34	22.29
		For Silver Solder Instead Of 95/5 Solder, Add	*5.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.02*	
		For Work In Restricted Working Space, Add	*10.03*	
22 11 16 00-0513	EA	3/4" Copper Coupling	43.38	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*6.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.25*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0514	EA	1" Copper Coupling	53.28	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	*7.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.45*	
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0515	EA	1-1/4" Copper Coupling	60.10	35.88
		For Silver Solder Instead Of 95/5 Solder, Add	*8.38*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.69*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.06*	
		For Work In Restricted Working Space, Add	*16.11*	
22 11 16 00-0516	EA	1-1/2" Copper Coupling	67.23	39.22
		For Silver Solder Instead Of 95/5 Solder, Add	*9.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.82*	
		For Work In Restricted Working Space, Add	*17.63*	
22 11 16 00-0517	EA	2" Copper Coupling	79.93	43.58
		For Silver Solder Instead Of 95/5 Solder, Add	*10.58*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.88*	
		For Work In Restricted Working Space, Add	*19.76*	
22 11 16 00-0518	EA	2-1/2" Copper Coupling	92.36	42.37
		For Silver Solder Instead Of 95/5 Solder, Add	*10.97*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.52*	
		For Work In Restricted Working Space, Add	*19.04*	
22 11 16 00-0519	EA	3" Copper Coupling	115.87	51.34
		For Silver Solder Instead Of 95/5 Solder, Add	*13.45*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.48*	
		For Work In Restricted Working Space, Add	*22.96*	
22 11 16 00-0520	EA	4" Copper Coupling	189.31	69.07
		For Silver Solder Instead Of 95/5 Solder, Add	*19.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.40*	
		For Work In Restricted Working Space, Add	*30.80*	
22 11 16 00-0521	EA	5" Copper Coupling	320.57	126.00
		For Silver Solder Instead Of 95/5 Solder, Add	*30.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-23.03*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*21.00*	
		For Work In Restricted Working Space, Add	*42.00*	
22 11 16 00-0522	EA	6" Copper Coupling	503.74	136.92
		For Silver Solder Instead Of 95/5 Solder, Add	*45.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-35.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*30.80*	
		For Work In Restricted Working Space, Add	*61.61*	
22 11 16 00-0523	EA	8" Copper Coupling	1,239.79	181.55
		For Silver Solder Instead Of 95/5 Solder, Add	*89.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-75.62*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*40.88*	
		For Work In Restricted Working Space, Add	*81.77*	

22 11 16 00-0524 Reducing Copper Couplings *(22 11 16 00-0436)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0525	EA	3/8" Reducing Copper Coupling	22.06	13.48
		For Silver Solder Instead Of 95/5 Solder, Add	*3.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.04*	
		For Work In Restricted Working Space, Add	*6.08*	
22 11 16 00-0526	EA	1/2" Reducing Copper Coupling	30.76	19.26
		For Silver Solder Instead Of 95/5 Solder, Add	*4.43*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.33*	
		For Work In Restricted Working Space, Add	*8.67*	
22 11 16 00-0527	EA	3/4" Reducing Copper Coupling	40.73	25.04
		For Silver Solder Instead Of 95/5 Solder, Add	*5.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
22 11 16 00-0528	EA	1" Reducing Copper Coupling	51.45	30.41
		For Silver Solder Instead Of 95/5 Solder, Add	*7.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.84*	
		For Work In Restricted Working Space, Add	*13.68*	
22 11 16 00-0529	EA	1-1/4" Reducing Copper Coupling	59.82	34.46
		For Silver Solder Instead Of 95/5 Solder, Add	*8.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.58*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.75*	
		For Work In Restricted Working Space, Add	*15.50*	
22 11 16 00-0530	EA	1-1/2" Reducing Copper Coupling	69.72	37.50
		For Silver Solder Instead Of 95/5 Solder, Add	*9.11*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.30*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.44*	
		For Work In Restricted Working Space, Add	*16.88*	
22 11 16 00-0531	EA	2" Reducing Copper Coupling	83.16	41.55
		For Silver Solder Instead Of 95/5 Solder, Add	*10.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.35*	
		For Work In Restricted Working Space, Add	*18.70*	
22 11 16 00-0532	EA	2-1/2" Reducing Copper Coupling	106.80	42.66
		For Silver Solder Instead Of 95/5 Solder, Add	*11.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.59*	
		For Work In Restricted Working Space, Add	*19.18*	
22 11 16 00-0533	EA	3" Reducing Copper Coupling	126.74	49.47
		For Silver Solder Instead Of 95/5 Solder, Add	*13.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.06*	
		For Work In Restricted Working Space, Add	*22.12*	
22 11 16 00-0534	EA	4" Reducing Copper Coupling	202.28	64.78
		For Silver Solder Instead Of 95/5 Solder, Add	*19.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.97*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.56*	
		For Work In Restricted Working Space, Add	*29.12*	
22 11 16 00-0535	EA	5" Reducing Copper Coupling	546.77	90.25
		For Silver Solder Instead Of 95/5 Solder, Add	*40.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-34.11*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.30*	
		For Work In Restricted Working Space, Add	*40.60*	
22 11 16 00-0536	EA	6" Reducing Copper Coupling	819.13	121.34
		For Silver Solder Instead Of 95/5 Solder, Add	*59.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-50.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*27.30*	
		For Work In Restricted Working Space, Add	*54.60*	
22 11 16 00-0537	EA	8" Reducing Copper Coupling	1,615.73	176.81
		For Silver Solder Instead Of 95/5 Solder, Add	*107.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-94.04*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*39.76*	
		For Work In Restricted Working Space, Add	*79.53*	

22 11 16 00-0538 Male Copper Adapters *(22 11 16 00-0436)*

22 11 16 00-0539	EA	1/4" Male Copper Adapter	34.72	13.17
		For Silver Solder Instead Of 95/5 Solder, Add	*3.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.75*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.04*	
		For Work In Restricted Working Space, Add	*6.08*	
22 11 16 00-0540	EA	3/8" Male Copper Adapter	31.52	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*4.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.79*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0541	EA	1/2" Male Copper Adapter	33.33	20.27
		For Silver Solder Instead Of 95/5 Solder, Add	*4.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.56*	
		For Work In Restricted Working Space, Add	*9.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0542	EA	3/4" Male Copper Adapter	42.45	25.34
		For Silver Solder Instead Of 95/5 Solder, Add	*5.87*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.00*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
22 11 16 00-0543	EA	1" Male Copper Adapter	56.16	29.39
		For Silver Solder Instead Of 95/5 Solder, Add	*7.17*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.99*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.54*	
		For Work In Restricted Working Space, Add	*13.07*	
22 11 16 00-0544	EA	1-1/4" Male Copper Adapter	68.98	33.44
		For Silver Solder Instead Of 95/5 Solder, Add	*8.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.60*	
		For Work In Restricted Working Space, Add	*15.20*	
22 11 16 00-0545	EA	1-1/2" Male Copper Adapter	79.19	38.51
		For Silver Solder Instead Of 95/5 Solder, Add	*9.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.85*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.67*	
		For Work In Restricted Working Space, Add	*17.33*	
22 11 16 00-0546	EA	2" Male Copper Adapter	110.24	49.15
		For Silver Solder Instead Of 95/5 Solder, Add	*12.91*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.21*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.10*	
		For Work In Restricted Working Space, Add	*22.20*	
22 11 16 00-0547	EA	2-1/2" Male Copper Adapter	210.56	63.85
		For Silver Solder Instead Of 95/5 Solder, Add	*20.05*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.29*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.29*	
		For Work In Restricted Working Space, Add	*28.58*	
22 11 16 00-0548	EA	3" Male Copper Adapter	279.58	85.17
		For Silver Solder Instead Of 95/5 Solder, Add	*26.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-20.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.04*	
		For Work In Restricted Working Space, Add	*38.08*	
22 11 16 00-0549	EA	4" Male Copper Adapter	423.32	119.48
		For Silver Solder Instead Of 95/5 Solder, Add	*39.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-30.13*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*26.88*	
		For Work In Restricted Working Space, Add	*53.76*	

22 11 16 00-0550 Female Copper Adapters *(22 11 16 00-0436)*

22 11 16 00-0551	EA	1/4" Female Copper Adapter	29.50	13.17
		For Silver Solder Instead Of 95/5 Solder, Add	*3.50*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.04*	
		For Work In Restricted Working Space, Add	*6.08*	
22 11 16 00-0552	EA	3/8" Female Copper Adapter	33.98	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*4.13*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.92*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0553	EA	1/2" Female Copper Adapter	35.08	20.27
		For Silver Solder Instead Of 95/5 Solder, Add	*4.80*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.56*	
		For Work In Restricted Working Space, Add	*9.12*	
22 11 16 00-0554	EA	3/4" Female Copper Adapter	43.89	25.34
		For Silver Solder Instead Of 95/5 Solder, Add	*5.94*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.63*	
		For Work In Restricted Working Space, Add	*11.25*	
22 11 16 00-0555	EA	1" Female Copper Adapter	58.18	29.39
		For Silver Solder Instead Of 95/5 Solder, Add	*7.27*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.54*	
		For Work In Restricted Working Space, Add	*13.07*	
22 11 16 00-0556	EA	1-1/4" Female Copper Adapter	72.10	33.44
		For Silver Solder Instead Of 95/5 Solder, Add	*8.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.60*	
		For Work In Restricted Working Space, Add	*15.20*	
22 11 16 00-0557	EA	1-1/2" Female Copper Adapter	91.30	38.51
		For Silver Solder Instead Of 95/5 Solder, Add	*10.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.67*	
		For Work In Restricted Working Space, Add	*17.33*	
22 11 16 00-0558	EA	2" Female Copper Adapter	119.47	49.15
		For Silver Solder Instead Of 95/5 Solder, Add	*13.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.67*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.10*	
		For Work In Restricted Working Space, Add	*22.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0559	EA	2-1/2" Female Copper Adapter	250.43	58.80
		For Silver Solder Instead Of 95/5 Solder, Add	*21.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.16*	
		For Work In Restricted Working Space, Add	*26.32*	
22 11 16 00-0560	EA	3" Female Copper Adapter	400.99	85.17
		For Silver Solder Instead Of 95/5 Solder, Add	*32.74*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-26.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*19.04*	
		For Work In Restricted Working Space, Add	*38.08*	

22 11 16 00-0561 Wrot Copper, Solder Union *(22 11 16 00-0436)*

22 11 16 00-0562	EA	1/4" Wrot Copper, Solder Union	47.57	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*4.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0563	EA	3/8" Wrot Copper, Solder Union	53.35	19.56
		For Silver Solder Instead Of 95/5 Solder, Add	*5.61*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.14*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.41*	
		For Work In Restricted Working Space, Add	*8.82*	
22 11 16 00-0564	EA	1/2" Wrot Copper, Solder Union	51.30	24.32
		For Silver Solder Instead Of 95/5 Solder, Add	*6.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.39*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0565	EA	3/4" Wrot Copper, Solder Union	59.76	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*7.14*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.07*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0566	EA	1" Wrot Copper, Solder Union	80.96	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	*9.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.45*	
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0567	EA	1-1/4" Wrot Copper, Solder Union	100.05	36.49
		For Silver Solder Instead Of 95/5 Solder, Add	*10.48*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.21*	
		For Work In Restricted Working Space, Add	*16.42*	
22 11 16 00-0568	EA	1-1/2" Wrot Copper, Solder Union	124.71	40.54
		For Silver Solder Instead Of 95/5 Solder, Add	*12.32*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.28*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.12*	
		For Work In Restricted Working Space, Add	*18.24*	
22 11 16 00-0569	EA	2" Wrot Copper, Solder Union	181.90	48.65
		For Silver Solder Instead Of 95/5 Solder, Add	*16.39*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.74*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.95*	
		For Work In Restricted Working Space, Add	*21.89*	
22 11 16 00-0570	EA	2-1/2" Wrot Copper, Solder Union	377.33	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	*26.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.04*	
		For Work In Restricted Working Space, Add	*24.08*	
22 11 16 00-0571	EA	3" Wrot Copper, Solder Union	882.58	75.98
		For Silver Solder Instead Of 95/5 Solder, Add	*55.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-49.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.08*	
		For Work In Restricted Working Space, Add	*34.16*	

22 11 16 00-0572 Cast Bronze, Solder Union *(22 11 16 00-0436)*

22 11 16 00-0573	EA	1/4" Cast Bronze, Solder Union	56.15	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*5.24*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0574	EA	3/8" Cast Bronze, Solder Union	61.44	19.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.41*	
		For Work In Restricted Working Space, Add	*8.82*	
22 11 16 00-0575	EA	1/2" Cast Bronze, Solder Union	53.55	24.32
		For Silver Solder Instead Of 95/5 Solder, Add	*6.33*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0576	EA	3/4" Cast Bronze, Solder Union	62.95	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*7.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.23*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0577	EA	1" Cast Bronze, Solder Union	86.49	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	*9.29*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.81*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.45*	
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0578	EA	1-1/4" Cast Bronze, Solder Union	115.16	36.49
		For Silver Solder Instead Of 95/5 Solder, Add	*11.23*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.49*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.21*	
		For Work In Restricted Working Space, Add	*16.42*	
22 11 16 00-0579	EA	1-1/2" Cast Bronze, Solder Union	140.47	40.54
		For Silver Solder Instead Of 95/5 Solder, Add	*13.10*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.12*	
		For Work In Restricted Working Space, Add	*18.24*	
22 11 16 00-0580	EA	2" Cast Bronze, Solder Union	208.74	48.65
		For Silver Solder Instead Of 95/5 Solder, Add	*17.73*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.95*	
		For Work In Restricted Working Space, Add	*21.89*	
22 11 16 00-0581	EA	2-1/2" Cast Bronze, Solder Union	377.31	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	*26.89*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.88*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.04*	
		For Work In Restricted Working Space, Add	*24.08*	
22 11 16 00-0582	EA	3" Cast Bronze, Solder Union	882.58	75.98
		For Silver Solder Instead Of 95/5 Solder, Add	*55.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-49.82*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*17.08*	
		For Work In Restricted Working Space, Add	*34.16*	

22 11 16 00-0583 Cast Bronze, Solder X Female Threaded Union *(22 11 16 00-0436)*

22 11 16 00-0584	EA	1/4" Cast Bronze, Solder X Female Threaded Union	67.73	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*5.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.60*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-0585	EA	3/8" Cast Bronze, Solder X Female Threaded Union	74.31	19.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.19*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.41*	
		For Work In Restricted Working Space, Add	*8.82*	
22 11 16 00-0586	EA	1/2" Cast Bronze, Solder X Female Threaded Union	72.17	24.32
		For Silver Solder Instead Of 95/5 Solder, Add	*7.26*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.43*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0587	EA	3/4" Cast Bronze, Solder X Female Threaded Union	90.18	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*8.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.59*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0588	EA	1" Cast Bronze, Solder X Female Threaded Union	150.81	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	*12.51*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.45*	
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0589	EA	1-1/4" Cast Bronze, Solder X Female Threaded Union	243.24	36.49
		For Silver Solder Instead Of 95/5 Solder, Add	*17.64*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.90*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.21*	
		For Work In Restricted Working Space, Add	*16.42*	
22 11 16 00-0590	EA	1-1/2" Cast Bronze, Solder X Female Threaded Union	299.63	40.54
		For Silver Solder Instead Of 95/5 Solder, Add	*21.06*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-18.02*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.12*	
		For Work In Restricted Working Space, Add	*18.24*	
22 11 16 00-0591	EA	2" Cast Bronze, Solder X Female Threaded Union	477.22	48.65
		For Silver Solder Instead Of 95/5 Solder, Add	*31.16*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-27.51*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.95*	
		For Work In Restricted Working Space, Add	*21.89*	
22 11 16 00-0592	EA	2-1/2" Cast Bronze, Solder X Female Threaded Union	846.59	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	*50.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-46.34*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.04*	
		For Work In Restricted Working Space, Add	*24.08*	

22 11 16 00-0593 Cast Bronze, Solder X Male Threaded Union *(22 11 16 00-0436)*

22 11 16 00-0594	EA	1/4" Cast Bronze, Solder X Male Threaded Union	57.39	16.22
		For Silver Solder Instead Of 95/5 Solder, Add	*5.30*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.09*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.65*	
		For Work In Restricted Working Space, Add	*7.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0595	EA	3/8" Cast Bronze, Solder X Male Threaded Union	67.98	19.56
		For Silver Solder Instead Of 95/5 Solder, Add	*6.34*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.87*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*4.41*	
		For Work In Restricted Working Space, Add	*8.82*	
22 11 16 00-0596	EA	1/2" Cast Bronze, Solder X Male Threaded Union	64.65	24.32
		For Silver Solder Instead Of 95/5 Solder, Add	*6.88*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.06*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.47*	
		For Work In Restricted Working Space, Add	*10.95*	
22 11 16 00-0597	EA	3/4" Cast Bronze, Solder X Male Threaded Union	83.81	27.77
		For Silver Solder Instead Of 95/5 Solder, Add	*8.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.27*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.23*	
		For Work In Restricted Working Space, Add	*12.47*	
22 11 16 00-0598	EA	1" Cast Bronze, Solder X Male Threaded Union	153.73	33.14
		For Silver Solder Instead Of 95/5 Solder, Add	*12.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-10.17*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.45*	
		For Work In Restricted Working Space, Add	*14.90*	
22 11 16 00-0599	EA	1-1/4" Cast Bronze, Solder X Male Threaded Union	183.82	36.49
		For Silver Solder Instead Of 95/5 Solder, Add	*14.66*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.21*	
		For Work In Restricted Working Space, Add	*16.42*	
22 11 16 00-0600	EA	1-1/2" Cast Bronze, Solder X Male Threaded Union	196.40	40.54
		For Silver Solder Instead Of 95/5 Solder, Add	*15.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.86*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.12*	
		For Work In Restricted Working Space, Add	*18.24*	
22 11 16 00-0601	EA	2" Cast Bronze, Solder X Male Threaded Union	281.24	48.65
		For Silver Solder Instead Of 95/5 Solder, Add	*21.36*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*10.95*	
		For Work In Restricted Working Space, Add	*21.89*	
22 11 16 00-0602	EA	2-1/2" Cast Bronze, Solder X Male Threaded Union	690.62	53.58
		For Silver Solder Instead Of 95/5 Solder, Add	*42.56*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-38.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.04*	
		For Work In Restricted Working Space, Add	*24.08*	

22 11 16 00-0603 Copper Caps *(22 11 16 00-0436)*

22 11 16 00-0604	EA	1/4" Copper Cap	5.05	2.56
		For Silver Solder Instead Of 95/5 Solder, Add	*0.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.44*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.57*	
		For Work In Restricted Working Space, Add	*1.14*	
22 11 16 00-0605	EA	3/8" Copper Cap	6.04	2.70
		For Silver Solder Instead Of 95/5 Solder, Add	*0.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.50*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.61*	
		For Work In Restricted Working Space, Add	*1.22*	
22 11 16 00-0606	EA	1/2" Copper Cap	5.31	2.90
		For Silver Solder Instead Of 95/5 Solder, Add	*0.70*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.48*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.65*	
		For Work In Restricted Working Space, Add	*1.29*	
22 11 16 00-0607	EA	3/4" Copper Cap	7.30	3.64
		For Silver Solder Instead Of 95/5 Solder, Add	*0.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.63*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*0.81*	
		For Work In Restricted Working Space, Add	*1.62*	
22 11 16 00-0608	EA	1" Copper Cap	11.32	4.62
		For Silver Solder Instead Of 95/5 Solder, Add	*1.25*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-0.91*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.03*	
		For Work In Restricted Working Space, Add	*2.05*	
22 11 16 00-0609	EA	1-1/4" Copper Cap	15.37	6.33
		For Silver Solder Instead Of 95/5 Solder, Add	*1.71*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.24*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.41*	
		For Work In Restricted Working Space, Add	*2.81*	
22 11 16 00-0610	EA	1-1/2" Copper Cap	19.75	7.44
		For Silver Solder Instead Of 95/5 Solder, Add	*2.09*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.54*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*1.65*	
		For Work In Restricted Working Space, Add	*3.31*	
22 11 16 00-0611	EA	2" Copper Cap	40.67	16.57
		For Silver Solder Instead Of 95/5 Solder, Add	*4.49*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*3.68*	
		For Work In Restricted Working Space, Add	*7.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0612	EA	2-1/2" Copper Cap	85.61	25.20
		For Silver Solder Instead Of 95/5 Solder, Add	*8.01*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.15*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*5.60*	
		For Work In Restricted Working Space, Add	*11.20*	
22 11 16 00-0613	EA	3" Copper Cap	118.16	33.08
		For Silver Solder Instead Of 95/5 Solder, Add	*10.81*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-8.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*7.35*	
		For Work In Restricted Working Space, Add	*14.70*	
22 11 16 00-0614	EA	4" Copper Cap	188.86	39.38
		For Silver Solder Instead Of 95/5 Solder, Add	*15.28*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.36*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*8.75*	
		For Work In Restricted Working Space, Add	*17.50*	
22 11 16 00-0615	EA	5" Cast Bronze Cap	998.50	54.04
		For Silver Solder Instead Of 95/5 Solder, Add	*58.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-53.98*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*12.15*	
		For Work In Restricted Working Space, Add	*24.31*	
22 11 16 00-0616	EA	6" Cast Bronze Cap	1,931.65	70.01
		For Silver Solder Instead Of 95/5 Solder, Add	*106.95*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-101.77*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*15.56*	
		For Work In Restricted Working Space, Add	*31.11*	
22 11 16 00-0617	EA	8" Cast Bronze Cap	2,469.29	100.80
		For Silver Solder Instead Of 95/5 Solder, Add	*138.40*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-130.93*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*22.40*	
		For Work In Restricted Working Space, Add	*44.80*	

22 11 16 00-0618 Copper Crosses *(22 11 16 00-0436)*

22 11 16 00-0619	EA	1/2" Copper Cross	77.67	41.07
		For Silver Solder Instead Of 95/5 Solder, Add	*10.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.96*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.48*	
22 11 16 00-0620	EA	3/4" Copper Cross	107.76	51.06
		For Silver Solder Instead Of 95/5 Solder, Add	*13.04*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.22*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.48*	
		For Work In Restricted Working Space, Add	*22.96*	
22 11 16 00-0621	EA	1" Copper Cross	144.50	60.95
		For Silver Solder Instead Of 95/5 Solder, Add	*16.37*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.80*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.72*	
		For Work In Restricted Working Space, Add	*27.44*	
22 11 16 00-0622	EA	1-1/4" Copper Cross	175.16	65.99
		For Silver Solder Instead Of 95/5 Solder, Add	*18.65*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-13.71*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.84*	
		For Work In Restricted Working Space, Add	*29.68*	
22 11 16 00-0623	EA	1-1/2" Copper Cross	216.92	72.15
		For Silver Solder Instead Of 95/5 Solder, Add	*21.67*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-16.26*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.24*	
		For Work In Restricted Working Space, Add	*32.48*	
22 11 16 00-0624	EA	2" Copper Cross	326.59	80.93
		For Silver Solder Instead Of 95/5 Solder, Add	*28.46*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-22.40*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.20*	
		For Work In Restricted Working Space, Add	*36.40*	
22 11 16 00-0625	EA	2-1/2" Copper Cross	607.51	89.61
		For Silver Solder Instead Of 95/5 Solder, Add	*43.82*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-37.10*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.16*	
		For Work In Restricted Working Space, Add	*40.32*	

22 11 16 00-0626 Cast Bronze Crosses *(22 11 16 00-0436)*

22 11 16 00-0627	EA	3/8" Cast Bronze Cross	66.22	29.87
		For Silver Solder Instead Of 95/5 Solder, Add	*7.79*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-5.55*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*6.72*	
		For Work In Restricted Working Space, Add	*13.44*	
22 11 16 00-0628	EA	1/2" Cast Bronze Cross	80.88	41.07
		For Silver Solder Instead Of 95/5 Solder, Add	*10.21*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-7.12*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*9.24*	
		For Work In Restricted Working Space, Add	*18.48*	
22 11 16 00-0629	EA	3/4" Cast Bronze Cross	114.00	51.06
		For Silver Solder Instead Of 95/5 Solder, Add	*13.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-9.53*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*11.48*	
		For Work In Restricted Working Space, Add	*22.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0630	EA	1" Cast Bronze Cross	155.10	60.95
		For Silver Solder Instead Of 95/5 Solder, Add	*16.90*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-12.33*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*13.72*	
		For Work In Restricted Working Space, Add	*27.44*	
22 11 16 00-0631	EA	1-1/4" Cast Bronze Cross	190.41	65.99
		For Silver Solder Instead Of 95/5 Solder, Add	*19.41*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-14.47*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*14.84*	
		For Work In Restricted Working Space, Add	*29.68*	
22 11 16 00-0632	EA	1-1/2" Cast Bronze Cross	238.65	72.15
		For Silver Solder Instead Of 95/5 Solder, Add	*22.76*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-17.35*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*16.24*	
		For Work In Restricted Working Space, Add	*32.48*	
22 11 16 00-0633	EA	2" Cast Bronze Cross	367.63	80.93
		For Silver Solder Instead Of 95/5 Solder, Add	*30.52*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-24.45*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*18.20*	
		For Work In Restricted Working Space, Add	*36.40*	
22 11 16 00-0634	EA	2-1/2" Cast Bronze Cross	702.13	89.61
		For Silver Solder Instead Of 95/5 Solder, Add	*48.55*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-41.83*	
		For Brazed Fittings Instead Of 95/5 Solder, Add	*20.16*	
		For Work In Restricted Working Space, Add	*40.32*	

22 11 16 00-0635 Flexible Corrugated Copper Supply Line *(22 11 16 00-0436)*

22 11 16 00-0636	EA	3/4" Threaded x 3/4" Solder x 18" Long, Flexible Corrugated Copper Supply Line	96.68	27.77
22 11 16 00-0637	EA	3/4" Threaded x 3/4" Solder x 24" Long, Flexible Corrugated Copper Supply Line	103.31	27.77
22 11 16 00-0638	EA	3/4" Threaded x 3/4" Threaded x 12" Long, Flexible Corrugated Copper Supply Line	84.74	27.77
22 11 16 00-0639	EA	3/4" Threaded x 3/4" Threaded x 15" Long, Flexible Corrugated Copper Supply Line	92.26	27.77
22 11 16 00-0640	EA	3/4" Threaded x 3/4" Threaded x 18" Long, Flexible Corrugated Copper Supply Line	98.89	27.77
22 11 16 00-0641	EA	3/4" Threaded x 3/4" Threaded x 24" Long, Flexible Corrugated Copper Supply Line	103.31	27.77

22 11 16 00-0642 Crimped Copper Fittings *(22 11 16 00-0368)*

Note: Viega ProPress type. Includes factory installed ethylene propylene diene monomer (EPDM) sealing elements.

22 11 16 00-0643 Crimped Copper 90 Degree Elbows *(22 11 16 00-0642)*

22 11 16 00-0644	EA	1/2" Crimped Copper 90 Degree Elbow	20.60	12.17
22 11 16 00-0645	EA	3/4" Crimped Copper 90 Degree Elbow	24.77	13.89
22 11 16 00-0646	EA	1" Crimped Copper 90 Degree Elbow	32.84	16.52
22 11 16 00-0647	EA	1-1/4" Crimped Copper 90 Degree Elbow	43.54	18.24
22 11 16 00-0648	EA	1-1/2" Crimped Copper 90 Degree Elbow	61.04	20.27
22 11 16 00-0649	EA	2" Crimped Copper 90 Degree Elbow	79.06	24.32
22 11 16 00-0650	EA	2-1/2" Crimped Copper 90 Degree Elbow	166.21	28.38
22 11 16 00-0651	EA	3" Crimped Copper 90 Degree Elbow	206.25	33.74
22 11 16 00-0652	EA	4" Crimped Copper 90 Degree Elbow	259.36	44.59

22 11 16 00-0653 Crimped Copper 45 Degree Elbows *(22 11 16 00-0642)*

22 11 16 00-0654	EA	1/2" Crimped Copper 45 Degree Elbow	20.99	12.17
22 11 16 00-0655	EA	3/4" Crimped Copper 45 Degree Elbow	24.14	13.89
22 11 16 00-0656	EA	1" Crimped Copper 45 Degree Elbow	35.67	16.52
22 11 16 00-0657	EA	1-1/4" Crimped Copper 45 Degree Elbow	42.91	18.24
22 11 16 00-0658	EA	1-1/2" Crimped Copper 45 Degree Elbow	55.62	20.27
22 11 16 00-0659	EA	2" Crimped Copper 45 Degree Elbow	71.76	24.32
22 11 16 00-0660	EA	2-1/2" Crimped Copper 45 Degree Elbow	124.24	28.38
22 11 16 00-0661	EA	3" Crimped Copper 45 Degree Elbow	167.38	33.74
22 11 16 00-0662	EA	4" Crimped Copper 45 Degree Elbow	228.96	44.59

22 11 16 00-0663 Crimped Copper Straight Tees *(22 11 16 00-0642)*

22 11 16 00-0664	EA	1/2" Crimped Copper Straight Tee	30.97	18.24
22 11 16 00-0665	EA	3/4" Crimped Copper Straight Tee	42.34	24.02
22 11 16 00-0666	EA	1" Crimped Copper Straight Tee	51.50	26.66
22 11 16 00-0667	EA	1-1/4" Crimped Copper Straight Tee	60.44	27.36
22 11 16 00-0668	EA	1-1/2" Crimped Copper Straight Tee	84.32	31.11
22 11 16 00-0669	EA	2" Crimped Copper Straight Tee	101.30	36.49
22 11 16 00-0670	EA	2-1/2" Crimped Copper Straight Tee	216.62	42.56
22 11 16 00-0671	EA	3" Crimped Copper Straight Tee	266.97	50.68
22 11 16 00-0672	EA	4" Crimped Copper Straight Tee	368.28	66.89

22 11 16 00-0673 Crimped Copper Reducing Tees *(22 11 16 00-0642)*

22 11 16 00-0674	EA	3/4" Crimped Copper Reducing Tee	35.86	17.33
22 11 16 00-0675	EA	1" Crimped Copper Reducing Tee	51.60	22.80
22 11 16 00-0676	EA	1-1/4" Crimped Copper Reducing Tee	55.76	25.34
22 11 16 00-0677	EA	1-1/2" Crimped Copper Reducing Tee	72.47	26.04
22 11 16 00-0678	EA	2" Crimped Copper Reducing Tee	86.62	29.49

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0679	EA	2-1/2" Crimped Copper Reducing Tee	230.14	33.44
22 11 16 00-0680	EA	3" Crimped Copper Reducing Tee	280.50	40.54
22 11 16 00-0681	EA	4" Crimped Copper Reducing Tee	331.02	54.02

22 11 16 00-0682 Crimped Copper Couplings *(22 11 16 00-0642)*

22 11 16 00-0683	EA	1/2" Crimped Copper Coupling	20.36	12.17
22 11 16 00-0684	EA	3/4" Crimped Copper Coupling	23.99	13.89
22 11 16 00-0685	EA	1" Crimped Copper Coupling	31.34	16.52
22 11 16 00-0686	EA	1-1/4" Crimped Copper Coupling	35.45	18.24
22 11 16 00-0687	EA	1-1/2" Crimped Copper Coupling	45.49	20.27
22 11 16 00-0688	EA	2" Crimped Copper Coupling	55.73	24.32
22 11 16 00-0689	EA	2-1/2" Crimped Copper Coupling	104.14	28.38
22 11 16 00-0690	EA	3" Crimped Copper Coupling	129.11	33.74
22 11 16 00-0691	EA	4" Crimped Copper Coupling	175.79	44.59

22 11 16 00-0692 Crimped Copper Reducing Couplings *(22 11 16 00-0642)*

22 11 16 00-0693	EA	3/4" Crimped Copper Reducing Coupling	26.99	11.55
22 11 16 00-0694	EA	1" Crimped Copper Reducing Coupling	30.84	13.17
22 11 16 00-0695	EA	1-1/4" Crimped Copper Reducing Coupling	39.71	15.71
22 11 16 00-0696	EA	1-1/2" Crimped Copper Reducing Coupling	49.76	17.33
22 11 16 00-0697	EA	2" Crimped Copper Reducing Coupling	55.59	19.26
22 11 16 00-0698	EA	2-1/2" Crimped Copper FTG x C Reducing Coupling	107.21	23.01
22 11 16 00-0699	EA	3" Crimped Copper FTG x C Reducing Coupling	133.33	27.06
22 11 16 00-0700	EA	4" Crimped Copper FTG x C Reducing Coupling	173.43	35.78

22 11 16 00-0701 Crimped Copper Male Adapters *(22 11 16 00-0642)*

22 11 16 00-0702	EA	1/2" Crimped Copper Male Adapter	20.84	12.17
22 11 16 00-0703	EA	3/4" Crimped Copper Male Adapter	25.48	13.89
22 11 16 00-0704	EA	1" Crimped Copper Male Adapter	33.47	16.52
22 11 16 00-0705	EA	1-1/4" Crimped Copper Male Adapter	46.29	18.24
22 11 16 00-0706	EA	1-1/2" Crimped Copper Male Adapter	56.96	20.27
22 11 16 00-0707	EA	2" Crimped Copper Male Adapter	87.61	24.32
22 11 16 00-0708	EA	2-1/2" Crimped Copper Male Adapter	166.21	28.38
22 11 16 00-0709	EA	3" Crimped Copper Male Adapter	206.25	33.74
22 11 16 00-0710	EA	4" Crimped Copper Male Adapter	246.96	44.59

22 11 16 00-0711 Crimped Copper Female Adapters *(22 11 16 00-0642)*

22 11 16 00-0712	EA	1/2" Crimped Copper Female Adapter	21.38	12.17
22 11 16 00-0713	EA	3/4" Crimped Copper Female Adapter	25.88	13.89
22 11 16 00-0714	EA	1" Crimped Copper Female Adapter	34.26	16.52
22 11 16 00-0715	EA	1-1/4" Crimped Copper Female Adapter	48.64	18.24
22 11 16 00-0716	EA	1-1/2" Crimped Copper Female Adapter	61.36	20.27
22 11 16 00-0717	EA	2" Crimped Copper Female Adapter	89.03	24.32

22 11 16 00-0718 Crimped Copper Caps *(22 11 16 00-0642)*

22 11 16 00-0719	EA	1/2" Crimped Copper Cap	13.67	6.08
22 11 16 00-0720	EA	3/4" Crimped Copper Cap	18.33	7.10
22 11 16 00-0721	EA	1" Crimped Copper Cap	24.03	8.10
22 11 16 00-0722	EA	1-1/4" Crimped Copper Cap	27.11	9.12
22 11 16 00-0723	EA	1-1/2" Crimped Copper Cap	36.52	10.44
22 11 16 00-0724	EA	2" Crimped Copper Cap	43.53	12.17
22 11 16 00-0725	EA	2-1/2" Crimped Copper Cap	102.14	14.19
22 11 16 00-0726	EA	3" Crimped Copper Cap	127.66	16.92
22 11 16 00-0727	EA	4" Crimped Copper Cap	169.79	22.29

22 11 16 00-0728 C x F NPT Crimped Bronze Unions *(22 11 16 00-0642)*

22 11 16 00-0729	EA	1/2" C x F NPT Crimped Bronze Union	38.19	16.52
22 11 16 00-0730	EA	3/4" C x F NPT Crimped Bronze Union	47.63	20.37
22 11 16 00-0731	EA	1" C x F NPT Crimped Bronze Union	65.02	24.42
22 11 16 00-0732	EA	1-1/4" C x F NPT Crimped Bronze Union	78.33	28.17
22 11 16 00-0733	EA	1-1/2" C x F NPT Crimped Bronze Union	97.90	27.57
22 11 16 00-0734	EA	2" C x F NPT Crimped Bronze Union	134.72	39.93

22 11 16 00-0735 C x C Crimped Bronze Unions *(22 11 16 00-0642)*

22 11 16 00-0736	EA	1/2" C x C Bronze Crimped Union	34.89	12.17
22 11 16 00-0737	EA	3/4" C x C Bronze Crimped Union	42.60	13.89
22 11 16 00-0738	EA	1" C x C Bronze Crimped Union	59.70	16.52
22 11 16 00-0739	EA	1-1/4" C x C Bronze Crimped Union	77.15	18.24
22 11 16 00-0740	EA	1-1/2" C x C Bronze Crimped Union	98.03	20.27
22 11 16 00-0741	EA	2" C x C Bronze Crimped Union	146.92	24.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0742		**C x Flange Crimped Bronze Flange** *(22 11 16 00-0642)*		
22 11 16 00-0743	EA	2-1/2" C x Flange Crimped Bronze Flange	279.00	28.38
22 11 16 00-0744	EA	3" C x Flange Crimped Bronze Flange	305.16	33.74
22 11 16 00-0745	EA	4" C x Flange Crimped Bronze Flange	351.78	44.59
22 11 16 00-0746		**Field Installed FKM Seals** *(22 11 16 00-0642)*		
		Note: For vacuum systems. Includes removing factory installed ethylene propylene diene monomer (EPDM) seal and installing FKM seal.		
22 11 16 00-0747	EA	1/2" Field Installed FKM Seal	5.89	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0748	EA	3/4" Field Installed FKM Seal	7.36	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0749	EA	1" Field Installed FKM Seal	8.44	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0750	EA	1-1/4" Field Installed FKM Seal	9.67	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0751	EA	1-1/2" Field Installed FKM Seal	13.19	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0752	EA	2" Field Installed FKM Seal	14.77	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0753	EA	2-1/2" Field Installed FKM Seal	21.40	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0754	EA	3" Field Installed FKM Seal	24.68	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0755	EA	4" Field Installed FKM Seal	33.52	
		Note: To be used in conjunction with fittings.		
22 11 16 00-0756		**Cut And Prepare Existing In-Place Copper Pipe** *(22 11 16 00-0368)*		
22 11 16 00-0757	EA	Up To 1/2", Cut And Prepare Existing In Place Copper Pipe	10.14	
22 11 16 00-0758	EA	3/4", Cut And Prepare Existing In Place Copper Pipe	10.95	
22 11 16 00-0759	EA	1", Cut And Prepare Existing In Place Copper Pipe	12.32	
22 11 16 00-0760	EA	1-1/4", Cut And Prepare Existing In Place Copper Pipe	12.92	
22 11 16 00-0761	EA	1-1/2", Cut And Prepare Existing In Place Copper Pipe	13.68	
22 11 16 00-0762	EA	2", Cut And Prepare Existing In Place Copper Pipe	15.06	
22 11 16 00-0763	EA	2-1/2", Cut And Prepare Existing In Place Copper Pipe	16.22	
22 11 16 00-0764	EA	3", Cut And Prepare Existing In Place Copper Pipe	19.15	
22 11 16 00-0765	EA	4", Cut And Prepare Existing In Place Copper Pipe	25.84	
22 11 16 00-0766	EA	6", Cut And Prepare Existing In Place Copper Pipe	36.94	
22 11 16 00-0767	EA	8", Cut And Prepare Existing In Place Copper Pipe	49.25	
22 11 16 00-0768		**Sweat Brass Companion Flanges** *(22 11 16 00-0368)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-0769	EA	1" Sweat Brass Companion Flange	67.66	15.59
22 11 16 00-0770	EA	1-1/4" Sweat Brass Companion Flange	73.78	17.17
22 11 16 00-0771	EA	1-1/2" Sweat Brass Companion Flange	108.23	18.67
22 11 16 00-0772	EA	2" Sweat Brass Companion Flange	146.82	20.72
22 11 16 00-0773	EA	2-1/2" Sweat Brass Companion Flange	186.24	24.92
22 11 16 00-0774	EA	3" Sweat Brass Companion Flange	203.10	32.67
22 11 16 00-0775	EA	4" Sweat Brass Companion Flange	273.38	38.93
22 11 16 00-0776	EA	5" Sweat Brass Companion Flange	514.37	46.88
22 11 16 00-0777	EA	6" Sweat Brass Companion Flange	584.08	68.12
22 11 16 00-0778	EA	8" Copper Companion Flange	1,386.82	97.16
22 11 16 00-0779		**Brass Compression Fittings** *(22 11 16 00-0368)*		
22 11 16 00-0780		**Brass Compression Unions** *(22 11 16 00-0779)*		
22 11 16 00-0781	EA	1/4" Brass Compression Union	17.40	10.95
22 11 16 00-0782	EA	3/8" Brass Compression Union	17.67	10.95
22 11 16 00-0783	EA	1/2" Brass Compression Union	18.49	10.95
22 11 16 00-0784	EA	5/8" Brass Compression Union	18.88	10.95
22 11 16 00-0785	EA	3/4" Brass Compression Union	24.96	10.95
22 11 16 00-0786	EA	3/8" x 1/4" Brass Compression Union	17.86	10.95
22 11 16 00-0787	EA	1/2" x 3/8" Brass Compression Union	18.55	10.95
22 11 16 00-0788	EA	5/8" x 3/8" Brass Compression Union	19.04	10.95
22 11 16 00-0789	EA	5/8" x 1/2" Brass Compression Union	19.81	10.95
22 11 16 00-0790		**Brass Compression Union Elbows** *(22 11 16 00-0779)*		
22 11 16 00-0791	EA	1/4" Brass Compression Union Elbow	18.49	10.95
22 11 16 00-0792	EA	3/8" Brass Compression Union Elbow	18.93	10.95
22 11 16 00-0793	EA	1/2" Brass Compression Union Elbow	19.90	10.95
22 11 16 00-0794	EA	5/8" Brass Compression Union Elbow	21.40	10.95
22 11 16 00-0795	EA	3/4" Brass Compression Union Elbow	27.27	10.95
22 11 16 00-0796	EA	3/8" x 1/4" Brass Compression Union Elbow	18.93	10.95
22 11 16 00-0797	EA	1/2" x 3/8" Brass Compression Union Elbow	19.90	10.95
22 11 16 00-0798	EA	5/8" x 3/8" Brass Compression Union Elbow	20.17	10.95
22 11 16 00-0799	EA	5/8" x 1/2" Brass Compression Union Elbow	24.58	10.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0800		**Brass Compression Union Tees** *(22 11 16 00-0779)*		
22 11 16 00-0801	EA	1/4" Brass Compression Union Tee	18.82	10.95
22 11 16 00-0802	EA	3/8" Brass Compression Union Tee	19.74	10.95
22 11 16 00-0803	EA	1/2" Brass Compression Union Tee	20.71	10.95
22 11 16 00-0804	EA	5/8" Brass Compression Union Tee	23.77	10.95
22 11 16 00-0805	EA	3/4" Brass Compression Union Tee	34.37	10.95
22 11 16 00-0806	EA	3/8" x 3/8" x 1/4" Brass Compression Union Tee	20.38	10.95
22 11 16 00-0807	EA	1/2" x 1/2" x 3/8" Brass Compression Union Tee	25.36	10.95
22 11 16 00-0808	EA	5/8" x 5/8" x 3/8" Brass Compression Union Tee	24.88	10.95
22 11 16 00-0809	EA	5/8" x 5/8" x 1/2" Brass Compression Union Tee	25.44	10.95
22 11 16 00-0810		**Brass Compression Male Connectors** *(22 11 16 00-0779)*		
22 11 16 00-0811	EA	1/4" Brass Compression Male Connector	17.21	10.95
22 11 16 00-0812	EA	3/8" Brass Compression Male Connector	17.57	10.95
22 11 16 00-0813	EA	1/2" Brass Compression Male Connector	18.18	10.95
22 11 16 00-0814	EA	5/8" Brass Compression Male Connector	19.09	10.95
22 11 16 00-0815	EA	3/4" Brass Compression Male Connector	22.39	10.84
22 11 16 00-0816		**Brass Compression Female Connectors** *(22 11 16 00-0779)*		
22 11 16 00-0817	EA	1/4" Brass Compression Female Connector	17.60	10.95
22 11 16 00-0818	EA	3/8" Brass Compression Female Connector	18.06	10.95
22 11 16 00-0819	EA	1/2" Brass Compression Female Connector	18.84	10.95
22 11 16 00-0820	EA	5/8" Brass Compression Female Connector	19.37	10.95
22 11 16 00-0821	EA	3/4" Brass Compression Female Connector	28.36	10.74
22 11 16 00-0822		**Dielectric Fittings** *(22 11 16 00-0368)*		
22 11 16 00-0823		**Copper x Female Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0822)*		
22 11 16 00-0824	EA	1/2" Copper x Female Iron Pipe Thread Dielectric Union	43.79	24.32
22 11 16 00-0825	EA	3/4" Copper x Female Iron Pipe Thread Dielectric Union	48.85	27.77
22 11 16 00-0826	EA	1" Copper x Female Iron Pipe Thread Dielectric Union	58.43	30.53
22 11 16 00-0827	EA	1-1/4" Copper x Female Iron Pipe Thread Dielectric Union	71.21	33.60
22 11 16 00-0828	EA	1-1/2" Copper x Female Iron Pipe Thread Dielectric Union	86.51	37.33
22 11 16 00-0829	EA	2" Copper x Female Iron Pipe Thread Dielectric Union	110.19	44.80
22 11 16 00-0830		**Female Brass Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0822)*		
22 11 16 00-0831	EA	1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	48.40	24.32
22 11 16 00-0832	EA	3/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	56.44	27.77
22 11 16 00-0833	EA	1" Female Brass Thread x Iron Pipe Thread Dielectric Union	68.44	30.53
22 11 16 00-0834	EA	1-1/4" Female Brass Thread x Iron Pipe Thread Dielectric Union	84.49	33.60
22 11 16 00-0835	EA	1-1/2" Female Brass Thread x Iron Pipe Thread Dielectric Union	102.94	37.33
22 11 16 00-0836	EA	2" Female Brass Thread x Iron Pipe Thread Dielectric Union	129.46	44.80
22 11 16 00-0837		**Female Iron Pipe Thread x Iron Pipe Thread Dielectric Unions** *(22 11 16 00-0822)*		
22 11 16 00-0838	EA	1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	45.48	24.32
22 11 16 00-0839	EA	3/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	51.62	27.77
22 11 16 00-0840	EA	1" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	59.16	30.53
22 11 16 00-0841	EA	1-1/4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	68.64	33.60
22 11 16 00-0842	EA	1-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	83.97	37.33
22 11 16 00-0843	EA	2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Union	108.15	44.80
22 11 16 00-0844		**Copper x Female Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0822)*		
22 11 16 00-0845	EA	2-1/2" Copper x Female Iron Pipe Thread Dielectric Flange	267.53	115.18
22 11 16 00-0846	EA	3" Copper x Female Iron Pipe Thread Dielectric Flange	334.82	145.05
22 11 16 00-0847	EA	4" Copper x Female Iron Pipe Thread Dielectric Flange	472.94	197.41
22 11 16 00-0848		**Copper x Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flanges** *(22 11 16 00-0822)*		
22 11 16 00-0849	EA	2-1/2" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	269.44	115.18
22 11 16 00-0850	EA	3" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	349.93	145.05
22 11 16 00-0851	EA	4" Female Iron Pipe Thread x Iron Pipe Thread Dielectric Flange	647.30	197.41
22 11 16 00-0852		**Brass Push-Fit Fittings** *(22 11 16)*		
22 11 16 00-0853	EA	1/4" x 1/4" Brass Push-Fit Coupling Note: (Sharkbite)	20.40	10.14
22 11 16 00-0854	EA	3/8" x 3/8" Brass Push-Fit Coupling Note: (Sharkbite)	24.77	10.81
22 11 16 00-0855	EA	1/2" x 1/2" Brass Push-Fit Coupling Note: (Sharkbite)	25.97	12.17

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0856	EA	5/8" x 5/8" Brass Push-Fit Coupling Note: (Sharkbite)	29.57	12.97
22 11 16 00-0857	EA	3/4" x 3/4" Brass Push-Fit Coupling Note: (Sharkbite)	30.33	13.86
22 11 16 00-0858	EA	1" x 1" Brass Push-Fit Coupling Note: (Sharkbite)	41.73	16.55
22 11 16 00-0859	EA	1/2" x 3/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	25.36	11.48
22 11 16 00-0860	EA	3/4" x 5/8" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	29.14	12.57
22 11 16 00-0861	EA	1" x 3/4" Brass Push-Fit Reducing Coupling Note: (Sharkbite)	42.30	15.20
22 11 16 00-0862	EA	1/4" x 1/4" Brass Push-Fit Elbow Note: (Sharkbite)	21.15	10.14
22 11 16 00-0863	EA	3/8" x 3/8" Brass Push-Fit Elbow Note: (Sharkbite)	27.97	10.81
22 11 16 00-0864	EA	1/2" x 1/2" Brass Push-Fit Elbow Note: (Sharkbite)	26.38	12.17
22 11 16 00-0865	EA	5/8" x 5/8" Brass Push-Fit Elbow Note: (Sharkbite)	31.43	12.97
22 11 16 00-0866	EA	3/4" x 3/4" Brass Push-Fit Elbow Note: (Sharkbite)	29.80	13.86
22 11 16 00-0867	EA	1" x 1" Brass Push-Fit Elbow Note: (Sharkbite)	42.14	16.55
22 11 16 00-0868	EA	1/2" x 3/8" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	25.02	11.48
22 11 16 00-0869	EA	3/4" x 1/2" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	27.81	12.57
22 11 16 00-0870	EA	1" x 3/4" Brass Push-Fit Reducing Elbow Note: (Sharkbite)	51.47	15.20
22 11 16 00-0871	EA	1/4" x 1/4" x 1/4" Brass Push-Fit Tee Note: (Sharkbite)	32.04	15.20
22 11 16 00-0872	EA	3/8" x 3/8" x 3/8" Brass Push-Fit Tee Note: (Sharkbite)	39.62	16.22
22 11 16 00-0873	EA	1/2" x 1/2" x 1/2" Brass Push-Fit Tee Note: (Sharkbite)	37.35	18.24
22 11 16 00-0874	EA	5/8" x 5/8" x 5/8" Brass Push-Fit Tee Note: (Sharkbite)	46.36	19.46
22 11 16 00-0875	EA	3/4" x 3/4" x 3/4" Brass Push-Fit Tee Note: (Sharkbite)	43.41	20.77
22 11 16 00-0876	EA	1" x 1" x 1" Brass Push-Fit Tee Note: (Sharkbite)	58.22	24.83
22 11 16 00-0877	EA	1/2" x 1/2" x 1/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	40.89	17.22
22 11 16 00-0878	EA	1/2" x 1/2" x 3/8" Brass Push-Fit Reducing Tee Note: (Sharkbite)	41.20	17.57
22 11 16 00-0879	EA	3/4" x 3/4" x 1/2" Brass Push-Fit Reducing Tee Note: (Sharkbite)	41.86	19.94
22 11 16 00-0880	EA	1" x 1" x 3/4" Brass Push-Fit Reducing Tee Note: (Sharkbite)	56.29	23.48
22 11 16 00-0881	EA	1/4" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	24.00	11.15
22 11 16 00-0882	EA	3/8" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	23.86	11.48
22 11 16 00-0883	EA	1/2" x 1/2" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	23.84	12.17
22 11 16 00-0884	EA	3/4" x 3/4" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	27.27	13.86
22 11 16 00-0885	EA	1" x 1" Brass Push-Fit Pipe To FNPT Connector Note: (Sharkbite)	37.42	16.55
22 11 16 00-0886	EA	1/4" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	21.43	11.15
22 11 16 00-0887	EA	3/8" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	23.86	11.48
22 11 16 00-0888	EA	1/2" x 1/2" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	23.89	12.17
22 11 16 00-0889	EA	3/4" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	27.04	13.86
22 11 16 00-0890	EA	5/8" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	28.88	13.40
22 11 16 00-0891	EA	1" x 3/4" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	34.36	15.20
22 11 16 00-0892	EA	1" x 1" Brass Push-Fit Pipe To MNPT Connector Note: (Sharkbite)	37.90	16.55
22 11 16 00-0893	EA	1/2" Brass Push-Fit Ball Valve Note: (Sharkbite)	32.73	12.17
22 11 16 00-0894	EA	3/4" Brass Push-Fit Ball Valve Note: (Sharkbite)	38.15	13.86
22 11 16 00-0895	EA	1" Brass Push-Fit Ball Valve Note: (Sharkbite)	49.86	16.55
22 11 16 00-0896	EA	1/2" Brass Push-Fit Check Valve Note: (Sharkbite)	34.80	12.17
22 11 16 00-0897	EA	3/4" Brass Push-Fit Check Valve Note: (Sharkbite)	41.64	13.86

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0898	EA	1" Brass Push-Fit Check Valve Note: (Sharkbite)	68.00	16.55

22 11 16 00-0899 Copper Pipe Assemblies *(22 11 16)*

Note: Includes hangers and all coupling, elbow, tee and reducer fittings. All fittings are based on 95/5 solder. All hangers are complete assemblies installed in accordance with MSS SP 58 and 69. Excludes insulation. Not for use where detail is available.

22 11 16 00-0900	LF	1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	20.22	2.84
		For Type K Tubing Instead Of Type L, Add	*1.40*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.16*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.60*	
		For For Brazed Fittings, Add	*0.63*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-1.80*	
		For Work In Restricted Working Space, Add	*4.76*	
22 11 16 00-0901	LF	3/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	23.34	3.65
		For Type K Tubing Instead Of Type L, Add	*1.66*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.36*	
		For Silver Solder Instead Of 95/5 Solder, Add	*2.96*	
		For For Brazed Fittings, Add	*0.72*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.07*	
		For Work In Restricted Working Space, Add	*5.39*	
22 11 16 00-0902	LF	1" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	25.83	4.35
		For Type K Tubing Instead Of Type L, Add	*1.97*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.59*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.17*	
		For For Brazed Fittings, Add	*0.75*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.23*	
		For Work In Restricted Working Space, Add	*5.65*	
22 11 16 00-0903	LF	1-1/4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	29.25	5.07
		For Type K Tubing Instead Of Type L, Add	*2.47*	
		For Type M Tubing Instead Of Type L, Deduct	*-1.95*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.42*	
		For For Brazed Fittings, Add	*0.78*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.44*	
		For Work In Restricted Working Space, Add	*5.87*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-0.97*	
22 11 16 00-0904	LF	1-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	32.65	5.78
		For Type K Tubing Instead Of Type L, Add	*2.89*	
		For Type M Tubing Instead Of Type L, Deduct	*-2.25*	
		For Silver Solder Instead Of 95/5 Solder, Add	*3.72*	
		For For Brazed Fittings, Add	*0.83*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-2.68*	
		For Work In Restricted Working Space, Add	*6.26*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.18*	
22 11 16 00-0905	LF	2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	41.32	7.20
		For Type K Tubing Instead Of Type L, Add	*3.98*	
		For Type M Tubing Instead Of Type L, Deduct	*-3.04*	
		For Silver Solder Instead Of 95/5 Solder, Add	*4.47*	
		For For Brazed Fittings, Add	*0.96*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.27*	
		For Work In Restricted Working Space, Add	*7.20*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-1.73*	
22 11 16 00-0906	LF	2-1/2" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	51.55	8.68
		For Type K Tubing Instead Of Type L, Add	*5.53*	
		For Type M Tubing Instead Of Type L, Deduct	*-4.13*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.15*	
		For For Brazed Fittings, Add	*1.03*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-3.87*	
		For Work In Restricted Working Space, Add	*7.73*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-2.58*	
22 11 16 00-0907	LF	3" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	63.38	10.08
		For Type K Tubing Instead Of Type L, Add	*7.31*	
		For Type M Tubing Instead Of Type L, Deduct	*-5.37*	
		For Silver Solder Instead Of 95/5 Solder, Add	*5.96*	
		For For Brazed Fittings, Add	*1.12*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-4.56*	
		For Work In Restricted Working Space, Add	*8.37*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-3.55*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0908	LF	4" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	100.15	13.35
		For Type K Tubing Instead Of Type L, Add	*12.62*	
		For Type M Tubing Instead Of Type L, Deduct	*-9.13*	
		For Silver Solder Instead Of 95/5 Solder, Add	*8.61*	
		For For Brazed Fittings, Add	*1.44*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-6.81*	
		For Work In Restricted Working Space, Add	*10.82*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-6.41*	
22 11 16 00-0909	LF	5" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	187.21	16.62
		For Type K Tubing Instead Of Type L, Add	*26.43*	
		For Type M Tubing Instead Of Type L, Deduct	*-18.76*	
		For Silver Solder Instead Of 95/5 Solder, Add	*13.99*	
		For For Brazed Fittings, Add	*1.85*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-11.68*	
		For Work In Restricted Working Space, Add	*13.89*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-14.09*	
22 11 16 00-0910	LF	6" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	245.24	20.07
		For Type K Tubing Instead Of Type L, Add	*34.87*	
		For Type M Tubing Instead Of Type L, Deduct	*-24.72*	
		For Silver Solder Instead Of 95/5 Solder, Add	*18.14*	
		For For Brazed Fittings, Add	*2.35*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-15.20*	
		For Work In Restricted Working Space, Add	*17.64*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-18.64*	
22 11 16 00-0911	LF	8" Inside Diameter Copper Pipe/Tubing Type L Assembly Note: Includes all hangers and couplings, elbow, tee, reducer fittings. All hangers are complete assemblies. Not for use where detail is available.	571.98	23.99
		For Type K Tubing Instead Of Type L, Add	*89.93*	
		For Type M Tubing Instead Of Type L, Deduct	*-62.79*	
		For Silver Solder Instead Of 95/5 Solder, Add	*35.91*	
		For For Brazed Fittings, Add	*2.92*	
		For 60/40 Or 50/50 Solder Where Applicable Instead Of 95/5 Solder, Deduct	*-32.25*	
		For Work In Restricted Working Space, Add	*21.92*	
		For Drain-Waste-Vent (DWV) Tubing Instead Of Type L, Deduct	*-49.89*	

22 11 16 00-0912 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16)*

Note: Socket weld.

22 11 16 00-0913 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe And Fittings *(22 11 16 00-0912)*

22 11 16 00-0914 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pipe *(22 11 16 00-0913)*

22 11 16 00-0915	LF	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	6.51	1.49
		For Work In Restricted Working Space, Add	*1.12*	
22 11 16 00-0916	LF	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	7.72	1.57
		For Work In Restricted Working Space, Add	*1.18*	
22 11 16 00-0917	LF	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	9.80	1.69
		For Work In Restricted Working Space, Add	*1.27*	
22 11 16 00-0918	LF	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	12.32	1.84
		For Work In Restricted Working Space, Add	*1.38*	
22 11 16 00-0919	LF	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	14.42	2.04
		For Work In Restricted Working Space, Add	*1.53*	
22 11 16 00-0920	LF	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	18.63	2.28
		For Work In Restricted Working Space, Add	*1.71*	
22 11 16 00-0921	LF	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	26.25	2.58
		For Work In Restricted Working Space, Add	*1.94*	
22 11 16 00-0922	LF	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	34.07	3.07
		For Work In Restricted Working Space, Add	*2.29*	
22 11 16 00-0923	LF	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	48.17	3.76
		For Work In Restricted Working Space, Add	*2.82*	
22 11 16 00-0924	LF	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	86.94	4.78
		For Work In Restricted Working Space, Add	*3.59*	
22 11 16 00-0925	LF	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Pressure Pipe	126.28	6.27
		For Work In Restricted Working Space, Add	*4.70*	

22 11 16 00-0926 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbows *(22 11 16 00-0913)*

22 11 16 00-0927	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	22.09	7.09
		For Work In Restricted Working Space, Add	*5.32*	
22 11 16 00-0928	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	29.16	8.96
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0929	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	38.78	11.20
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0930	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	55.68	14.00
		For Work In Restricted Working Space, Add	*10.53*	
22 11 16 00-0931	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	62.06	15.49
		For Work In Restricted Working Space, Add	*11.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0932	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	74.64	15.49
		For Work In Restricted Working Space, Add	*12.99*	
22 11 16 00-0933	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	130.89	19.69
		For Work In Restricted Working Space, Add	*14.78*	
22 11 16 00-0934	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	146.93	23.34
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0935	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	219.57	28.66
		For Work In Restricted Working Space, Add	*21.50*	
22 11 16 00-0936	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	276.48	36.40
		For Work In Restricted Working Space, Add	*27.33*	
22 11 16 00-0937	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 90 Degree Elbow	573.17	47.79
		For Work In Restricted Working Space, Add	*35.84*	

22 11 16 00-0938 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbows *(22 11 16 00-0913)*

22 11 16 00-0939	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	24.26	7.09
		For Work In Restricted Working Space, Add	*5.32*	
22 11 16 00-0940	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	31.76	8.96
		For Work In Restricted Working Space, Add	*6.72*	
22 11 16 00-0941	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	43.00	11.20
		For Work In Restricted Working Space, Add	*8.43*	
22 11 16 00-0942	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	61.23	14.00
		For Work In Restricted Working Space, Add	*10.53*	
22 11 16 00-0943	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	68.82	15.49
		For Work In Restricted Working Space, Add	*11.65*	
22 11 16 00-0944	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	76.94	17.37
		For Work In Restricted Working Space, Add	*12.99*	
22 11 16 00-0945	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	132.34	19.69
		For Work In Restricted Working Space, Add	*14.78*	
22 11 16 00-0946	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	146.74	23.34
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0947	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	193.07	28.66
		For Work In Restricted Working Space, Add	*21.50*	
22 11 16 00-0948	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	326.15	36.40
		For Work In Restricted Working Space, Add	*27.33*	
22 11 16 00-0949	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 45 Degree Elbow	608.36	47.79
		For Work In Restricted Working Space, Add	*35.84*	

22 11 16 00-0950 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tees *(22 11 16 00-0913)*

22 11 16 00-0951	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	34.51	10.64
		For Work In Restricted Working Space, Add	*7.98*	
22 11 16 00-0952	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	46.22	13.44
		For Work In Restricted Working Space, Add	*10.08*	
22 11 16 00-0953	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	57.71	16.89
		For Work In Restricted Working Space, Add	*12.66*	
22 11 16 00-0954	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	85.36	21.10
		For Work In Restricted Working Space, Add	*15.79*	
22 11 16 00-0955	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	95.74	23.34
		For Work In Restricted Working Space, Add	*17.48*	
22 11 16 00-0956	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	120.88	25.95
		For Work In Restricted Working Space, Add	*19.49*	
22 11 16 00-0957	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	165.79	29.59
		For Work In Restricted Working Space, Add	*22.18*	
22 11 16 00-0958	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	187.31	34.91
		For Work In Restricted Working Space, Add	*26.21*	
22 11 16 00-0959	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	225.60	43.03
		For Work In Restricted Working Space, Add	*32.26*	
22 11 16 00-0960	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	367.36	54.70
		For Work In Restricted Working Space, Add	*41.00*	
22 11 16 00-0961	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Tee	839.70	71.68
		For Work In Restricted Working Space, Add	*53.76*	

22 11 16 00-0962 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Crosses *(22 11 16 00-0913)*

22 11 16 00-0963	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	42.28	14.19
		For Work In Restricted Working Space, Add	*10.64*	
22 11 16 00-0964	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	55.67	17.92
		For Work In Restricted Working Space, Add	*13.44*	
22 11 16 00-0965	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	69.56	22.50
		For Work In Restricted Working Space, Add	*16.86*	
22 11 16 00-0966	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	98.37	28.09
		For Work In Restricted Working Space, Add	*21.06*	
22 11 16 00-0967	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	109.95	31.08
		For Work In Restricted Working Space, Add	*23.30*	
22 11 16 00-0968	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	134.77	34.63
		For Work In Restricted Working Space, Add	*25.98*	
22 11 16 00-0969	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	177.68	39.39
		For Work In Restricted Working Space, Add	*29.57*	
22 11 16 00-0970	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	202.57	46.58
		For Work In Restricted Working Space, Add	*34.94*	
22 11 16 00-0971	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	245.06	57.31
		For Work In Restricted Working Space, Add	*43.01*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-0972	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	380.90	72.90
		For Work In Restricted Working Space, Add	*54.66*	
22 11 16 00-0973	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cross	807.85	95.58
		For Work In Restricted Working Space, Add	*71.69*	

22 11 16 00-0974 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld Reducing Inserts *(22 11 16 00-0913)*

22 11 16 00-0975	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	19.03	6.53
		For Work In Restricted Working Space, Add	*4.93*	
22 11 16 00-0976	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	27.19	8.86
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0977	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	52.11	11.58
		For Work In Restricted Working Space, Add	*8.68*	
22 11 16 00-0978	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	59.37	12.79
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0979	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	71.67	14.28
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-0980	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	76.62	16.25
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-0981	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	94.07	19.23
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0982	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	132.88	23.62
		For Work In Restricted Working Space, Add	*17.75*	
22 11 16 00-0983	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	232.15	30.05
		For Work In Restricted Working Space, Add	*22.54*	
22 11 16 00-0984	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Reducing Insert	570.96	39.39
		For Work In Restricted Working Space, Add	*29.57*	

22 11 16 00-0985 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Thread Reducing Inserts *(22 11 16 00-0913)*

22 11 16 00-0986	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	28.69	4.67
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-0987	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	34.78	6.53
		For Work In Restricted Working Space, Add	*4.93*	
22 11 16 00-0988	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	41.80	8.86
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0989	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	50.84	11.58
		For Work In Restricted Working Space, Add	*8.68*	
22 11 16 00-0990	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	61.24	12.79
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-0991	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	80.97	14.28
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-0992	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	137.34	16.25
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-0993	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	300.51	19.23
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-0994	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Or Male Threaded Reducing Insert	457.03	23.62
		For Work In Restricted Working Space, Add	*17.75*	

22 11 16 00-0995 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters *(22 11 16 00-0913)*

22 11 16 00-0996	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	18.19	4.67
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-0997	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	25.24	6.53
		For Work In Restricted Working Space, Add	*4.93*	
22 11 16 00-0998	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	36.97	8.86
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-0999	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	50.84	11.58
		For Work In Restricted Working Space, Add	*8.68*	
22 11 16 00-1000	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	61.66	12.79
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-1001	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	75.83	14.28
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-1002	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	116.58	16.25
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-1003	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	139.82	19.23
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-1004	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Male Thread Male Adapters	214.30	23.62
		For Work In Restricted Working Space, Add	*17.75*	

22 11 16 00-1005 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters *(22 11 16 00-0913)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1006	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	20.67	4.67
		For Work In Restricted Working Space, Add	*3.50*	
22 11 16 00-1007	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	26.03	6.53
		For Work In Restricted Working Space, Add	*4.93*	
22 11 16 00-1008	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	37.18	8.86
		For Work In Restricted Working Space, Add	*6.64*	
22 11 16 00-1009	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	51.57	11.58
		For Work In Restricted Working Space, Add	*8.68*	
22 11 16 00-1010	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	58.34	12.79
		For Work In Restricted Working Space, Add	*9.61*	
22 11 16 00-1011	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	73.12	14.28
		For Work In Restricted Working Space, Add	*10.73*	
22 11 16 00-1012	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	118.15	16.25
		For Work In Restricted Working Space, Add	*12.21*	
22 11 16 00-1013	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	167.23	19.23
		For Work In Restricted Working Space, Add	*14.42*	
22 11 16 00-1014	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Socket Weld x Female Thread Female Adapters	260.90	23.62
		For Work In Restricted Working Space, Add	*17.75*	

22 11 16 00-1015 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings *(22 11 16 00-0913)*

22 11 16 00-1016	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	16.19	4.30
		For Work In Restricted Working Space, Add	*3.19*	
22 11 16 00-1017	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	22.78	5.97
		For Work In Restricted Working Space, Add	*4.48*	
22 11 16 00-1018	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	30.64	8.03
		For Work In Restricted Working Space, Add	*6.02*	
22 11 16 00-1019	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	42.08	10.55
		For Work In Restricted Working Space, Add	*7.90*	
22 11 16 00-1020	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	48.98	11.67
		For Work In Restricted Working Space, Add	*8.74*	
22 11 16 00-1021	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	55.54	12.98
		For Work In Restricted Working Space, Add	*9.74*	
22 11 16 00-1022	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	92.25	14.74
		For Work In Restricted Working Space, Add	*11.09*	
22 11 16 00-1023	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	99.53	17.46
		For Work In Restricted Working Space, Add	*13.11*	
22 11 16 00-1024	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	126.92	21.47
		For Work In Restricted Working Space, Add	*16.13*	
22 11 16 00-1025	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	212.65	27.35
		For Work In Restricted Working Space, Add	*20.50*	
22 11 16 00-1026	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Couplings	382.07	35.84
		For Work In Restricted Working Space, Add	*26.88*	

22 11 16 00-1027 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions *(22 11 16 00-0913)*

22 11 16 00-1028	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	36.45	5.13
		For Work In Restricted Working Space, Add	*3.84*	
22 11 16 00-1029	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	42.73	7.19
		For Work In Restricted Working Space, Add	*5.38*	
22 11 16 00-1030	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	49.67	9.61
		For Work In Restricted Working Space, Add	*7.22*	
22 11 16 00-1031	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	91.73	12.61
		For Work In Restricted Working Space, Add	*9.46*	
22 11 16 00-1032	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	96.18	14.00
		For Work In Restricted Working Space, Add	*10.47*	
22 11 16 00-1033	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	140.67	15.59
		For Work In Restricted Working Space, Add	*11.71*	
22 11 16 00-1034	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	255.13	17.74
		For Work In Restricted Working Space, Add	*13.30*	
22 11 16 00-1035	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	371.00	21.01
		For Work In Restricted Working Space, Add	*15.74*	
22 11 16 00-1036	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	606.02	25.77
		For Work In Restricted Working Space, Add	*19.35*	
22 11 16 00-1037	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	813.32	32.76
		For Work In Restricted Working Space, Add	*24.59*	
22 11 16 00-1038	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Unions	1,000.90	43.03
		For Work In Restricted Working Space, Add	*32.26*	

22 11 16 00-1039 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Caps *(22 11 16 00-0913)*

22 11 16 00-1040	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	12.31	1.40
		For Work In Restricted Working Space, Add	*1.07*	
22 11 16 00-1041	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	19.89	2.98
		For Work In Restricted Working Space, Add	*2.24*	
22 11 16 00-1042	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	34.01	4.85
		For Work In Restricted Working Space, Add	*3.61*	
22 11 16 00-1043	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	37.25	5.22
		For Work In Restricted Working Space, Add	*3.95*	
22 11 16 00-1044	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	39.13	5.79
		For Work In Restricted Working Space, Add	*4.37*	
22 11 16 00-1045	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	55.81	6.53
		For Work In Restricted Working Space, Add	*4.88*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1046	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	89.71	7.37
		For Work In Restricted Working Space, Add	*5.54*	
22 11 16 00-1047	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	94.70	8.77
		For Work In Restricted Working Space, Add	*6.55*	
22 11 16 00-1048	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	149.78	10.73
		For Work In Restricted Working Space, Add	*8.06*	
22 11 16 00-1049	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	339.97	13.62
		For Work In Restricted Working Space, Add	*10.25*	
22 11 16 00-1050	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) Cap	437.47	17.92
		For Work In Restricted Working Space, Add	*13.44*	

22 11 16 00-1051 Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges *(22 11 16 00-0913)*

22 11 16 00-1052	EA	1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	29.62	3.36
		For Work In Restricted Working Space, Add	*2.55*	
22 11 16 00-1053	EA	3/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	34.59	4.76
		For Work In Restricted Working Space, Add	*3.59*	
22 11 16 00-1054	EA	1" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	41.28	6.44
		For Work In Restricted Working Space, Add	*4.82*	
22 11 16 00-1055	EA	1-1/4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	47.06	8.40
		For Work In Restricted Working Space, Add	*6.33*	
22 11 16 00-1056	EA	1-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	49.90	9.34
		For Work In Restricted Working Space, Add	*7.00*	
22 11 16 00-1057	EA	2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	61.27	10.36
		For Work In Restricted Working Space, Add	*7.79*	
22 11 16 00-1058	EA	2-1/2" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	84.71	11.85
		For Work In Restricted Working Space, Add	*8.88*	
22 11 16 00-1059	EA	3" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	95.03	14.00
		For Work In Restricted Working Space, Add	*10.47*	
22 11 16 00-1060	EA	4" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	119.21	17.17
		For Work In Restricted Working Space, Add	*12.91*	
22 11 16 00-1061	EA	6" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	174.46	21.84
		For Work In Restricted Working Space, Add	*16.41*	
22 11 16 00-1062	EA	8" Schedule 80 Chlorinated Polyvinyl Chloride (CPVC) 150 LB Flanges	341.87	28.66
		For Work In Restricted Working Space, Add	*21.50*	

22 11 16 00-1063 Red Brass Pipe And Fittings *(22 11 16)*

Note: ASTM B43 And B251 (Pipe), ASME B16.15.

22 11 16 00-1064 Schedule 40 Red Brass Pipe *(22 11 16 00-1063)*

22 11 16 00-1065	LF	1/2" Schedule 40 Red Brass Pipe	15.02	1.96
22 11 16 00-1066	LF	3/4" Schedule 40 Red Brass Pipe	19.26	1.96
22 11 16 00-1067	LF	1" Schedule 40 Red Brass Pipe	25.58	1.96
22 11 16 00-1068	LF	1-1/4" Schedule 40 Red Brass Pipe	36.79	2.15
22 11 16 00-1069	LF	1-1/2" Schedule 40 Red Brass Pipe	42.18	2.33
22 11 16 00-1070	LF	2" Schedule 40 Red Brass Pipe	53.87	2.80
22 11 16 00-1071	LF	2-1/2" Schedule 40 Red Brass Pipe	77.46	3.18
22 11 16 00-1072	LF	3" Schedule 40 Red Brass Pipe	108.35	3.36
22 11 16 00-1073	LF	4" Schedule 40 Red Brass Pipe	154.27	3.36

22 11 16 00-1074 125 LB Cast Bronze, Screwed, 90 Degree Elbows *(22 11 16 00-1063)*

22 11 16 00-1075	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	53.57	23.24
22 11 16 00-1076	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	60.60	25.57
22 11 16 00-1077	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	75.85	30.24
22 11 16 00-1078	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	90.01	32.48
22 11 16 00-1079	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	100.59	34.81
22 11 16 00-1080	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	124.22	37.15
22 11 16 00-1081	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	208.18	46.48
22 11 16 00-1082	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	287.53	55.73
22 11 16 00-1083	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Elbow	505.05	74.30

22 11 16 00-1084 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbows *(22 11 16 00-1063)*

22 11 16 00-1085	EA	1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	55.95	23.24
22 11 16 00-1086	EA	3/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	64.06	25.57
22 11 16 00-1087	EA	1" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	83.08	30.24
22 11 16 00-1088	EA	1-1/4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	99.49	32.48
22 11 16 00-1089	EA	1-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	113.65	34.81
22 11 16 00-1090	EA	2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	152.73	37.15
22 11 16 00-1091	EA	2-1/2" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	231.93	46.48
22 11 16 00-1092	EA	3" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	360.53	55.73
22 11 16 00-1093	EA	4" 125 LB Cast Bronze, Screwed, 90 Degree Reducing Elbow	711.66	74.30

22 11 16 00-1094 125 LB Cast Bronze, Screwed, 45 Degree Elbows *(22 11 16 00-1063)*

22 11 16 00-1095	EA	1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	54.78	23.24
22 11 16 00-1096	EA	3/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	62.97	25.57
22 11 16 00-1097	EA	1" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	80.61	30.24
22 11 16 00-1098	EA	1-1/4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	97.13	32.48

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1099	EA	1-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	110.08	34.81
22 11 16 00-1100	EA	2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	139.66	37.15
22 11 16 00-1101	EA	2-1/2" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	217.65	46.48
22 11 16 00-1102	EA	3" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	303.74	55.73
22 11 16 00-1103	EA	4" 125 LB Cast Bronze, Screwed, 45 Degree Elbow	663.65	74.30

22 11 16 00-1104 125 LB Cast Bronze, Screwed, Tees *(22 11 16 00-1063)*

22 11 16 00-1105	EA	1/2" 125 LB Cast Bronze, Screwed, Tee	78.01	34.81
22 11 16 00-1106	EA	3/4" 125 LB Cast Bronze, Screwed, Tee	88.06	38.08
22 11 16 00-1107	EA	1" 125 LB Cast Bronze, Screwed, Tee	111.53	45.09
22 11 16 00-1108	EA	1-1/4" 125 LB Cast Bronze, Screwed, Tee	134.40	48.82
22 11 16 00-1109	EA	1-1/2" 125 LB Cast Bronze, Screwed, Tee	145.65	51.99
22 11 16 00-1110	EA	2" 125 LB Cast Bronze, Screwed, Tee	180.40	55.73
22 11 16 00-1111	EA	2-1/2" 125 LB Cast Bronze, Screwed, Tee	296.19	69.72
22 11 16 00-1112	EA	3" 125 LB Cast Bronze, Screwed, Tee	406.98	83.63
22 11 16 00-1113	EA	4" 125 LB Cast Bronze, Screwed, Tee	816.96	111.45

22 11 16 00-1114 125 LB Cast Bronze, Screwed, Reducing Tees *(22 11 16 00-1063)*

22 11 16 00-1115	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing Tee	81.56	34.81
22 11 16 00-1116	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing Tee	90.45	38.08
22 11 16 00-1117	EA	1" 125 LB Cast Bronze, Screwed, Reducing Tee	121.03	45.09
22 11 16 00-1118	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing Tee	141.53	48.82
22 11 16 00-1119	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee	164.65	51.99
22 11 16 00-1120	EA	2" 125 LB Cast Bronze, Screwed, Reducing Tee	210.10	55.73
22 11 16 00-1121	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing Tee	353.95	69.72
22 11 16 00-1122	EA	3" 125 LB Cast Bronze, Screwed, Reducing Tee	657.99	83.63
22 11 16 00-1123	EA	4" 125 LB Cast Bronze, Screwed, Reducing Tee	1,014.96	111.45

22 11 16 00-1124 125 LB Cast Bronze, Screwed, Crosses *(22 11 16 00-1063)*

22 11 16 00-1125	EA	1/2" 125 LB Cast Bronze, Screwed, Cross	109.56	46.48
22 11 16 00-1126	EA	3/4" 125 LB Cast Bronze, Screwed, Cross	125.96	51.06
22 11 16 00-1127	EA	1" 125 LB Cast Bronze, Screwed, Cross	157.62	60.39
22 11 16 00-1128	EA	1-1/4" 125 LB Cast Bronze, Screwed, Cross	192.40	65.05
22 11 16 00-1129	EA	1-1/2" 125 LB Cast Bronze, Screwed, Cross	225.23	69.72
22 11 16 00-1130	EA	2" 125 LB Cast Bronze, Screwed, Cross	320.32	74.30
22 11 16 00-1131	EA	2-1/2" 125 LB Cast Bronze, Screwed, Cross	510.58	92.88
22 11 16 00-1132	EA	3" 125 LB Cast Bronze, Screwed, Cross	699.37	111.45
22 11 16 00-1133	EA	4" 125 LB Cast Bronze, Screwed, Cross	1,271.63	148.69

22 11 16 00-1134 125 LB Cast Bronze, Screwed, Caps *(22 11 16 00-1063)*

22 11 16 00-1135	EA	1/2" 125 LB Cast Bronze, Screwed, Cap	41.90	18.58
22 11 16 00-1136	EA	3/4" 125 LB Cast Bronze, Screwed, Cap	47.76	20.90
22 11 16 00-1137	EA	1" 125 LB Cast Bronze, Screwed, Cap	59.10	24.17
22 11 16 00-1138	EA	1-1/4" 125 LB Cast Bronze, Screwed, Cap	71.96	26.51
22 11 16 00-1139	EA	1-1/2" 125 LB Cast Bronze, Screwed, Cap	81.65	28.38
22 11 16 00-1140	EA	2" 125 LB Cast Bronze, Screwed, Cap	103.17	30.24
22 11 16 00-1141	EA	2-1/2" 125 LB Cast Bronze, Screwed, Cap	152.71	37.15
22 11 16 00-1142	EA	3" 125 LB Cast Bronze, Screwed, Cap	214.12	46.48
22 11 16 00-1143	EA	4" 125 LB Cast Bronze, Screwed, Cap	351.91	60.39

22 11 16 00-1144 125 LB Cast Bronze, Screwed, Couplings *(22 11 16 00-1063)*

22 11 16 00-1145	EA	1/2" 125 LB Cast Bronze, Screwed, Coupling	52.40	23.24
22 11 16 00-1146	EA	3/4" 125 LB Cast Bronze, Screwed, Coupling	59.43	25.57
22 11 16 00-1147	EA	1" 125 LB Cast Bronze, Screwed, Coupling	74.65	30.24
22 11 16 00-1148	EA	1-1/4" 125 LB Cast Bronze, Screwed, Coupling	88.80	32.48
22 11 16 00-1149	EA	1-1/2" 125 LB Cast Bronze, Screwed, Coupling	100.59	34.81
22 11 16 00-1150	EA	2" 125 LB Cast Bronze, Screwed, Coupling	125.41	37.15
22 11 16 00-1151	EA	2-1/2" 125 LB Cast Bronze, Screwed, Coupling	176.08	46.48
22 11 16 00-1152	EA	3" 125 LB Cast Bronze, Screwed, Coupling	226.76	55.73
22 11 16 00-1153	EA	4" 125 LB Cast Bronze, Screwed, Coupling	386.24	74.30

22 11 16 00-1154 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducers *(22 11 16 00-1063)*

22 11 16 00-1155	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	45.87	18.58
22 11 16 00-1156	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	52.33	20.90
22 11 16 00-1157	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	70.92	27.91
22 11 16 00-1158	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	84.08	30.24
22 11 16 00-1159	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	94.88	32.48
22 11 16 00-1160	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	113.84	34.81
22 11 16 00-1161	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	164.54	44.15
22 11 16 00-1162	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	199.10	51.06
22 11 16 00-1163	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Pipe Sizes, Bell Reducer	341.95	67.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1164		**125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducers** *(22 11 16 00-1063)*		
22 11 16 00-1165	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	46.85	18.58
22 11 16 00-1166	EA	1" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	83.01	25.57
22 11 16 00-1167	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	107.77	27.91
22 11 16 00-1168	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	125.67	30.24
22 11 16 00-1169	EA	2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	166.53	34.81
22 11 16 00-1170	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	254.38	44.15
22 11 16 00-1171	EA	3" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	305.96	46.48
22 11 16 00-1172	EA	4" 125 LB Cast Bronze, Screwed, Reducing 2 Or More Pipe Sizes, Bell Reducer	348.91	60.39
22 11 16 00-1173		**125 LB Cast Bronze, FIP Threaded, Unions** *(22 11 16 00-1063)*		
22 11 16 00-1174	EA	1/2" 125 LB Cast Bronze, FIP Threaded, Union	56.17	18.58
		For 150 LB, Add	*7.60*	
22 11 16 00-1175	EA	3/4" 125 LB Cast Bronze, FIP Threaded, Union	67.01	20.44
		For 150 LB, Add	*10.45*	
22 11 16 00-1176	EA	1" 125 LB Cast Bronze, FIP Threaded, Union	82.77	24.17
		For 150 LB, Add	*13.78*	
22 11 16 00-1177	EA	1-1/4" 125 LB Cast Bronze, FIP Threaded, Union	101.91	26.04
		For 150 LB, Add	*19.95*	
22 11 16 00-1178	EA	1-1/2" 125 LB Cast Bronze, FIP Threaded, Union	115.17	27.91
		For 150 LB, Add	*23.77*	
22 11 16 00-1179	EA	2" 125 LB Cast Bronze, FIP Threaded, Union	135.77	31.54
		For 150 LB, Add	*29.04*	
22 11 16 00-1180	EA	2-1/2" 125 LB Cast Bronze, FIP Threaded, Union	232.90	46.67
		For 150 LB, Add	*55.82*	
		For 250 LB, Add	*118.63*	
		For 300 LB, Add	*167.47*	
22 11 16 00-1181	EA	3" 125 LB Cast Bronze, FIP Threaded, Union	338.36	61.37
		For 150 LB, Add	*86.25*	
		For 250 LB, Add	*183.28*	
		For 300 LB, Add	*258.74*	
22 11 16 00-1182	EA	4" 125 LB Cast Bronze, FIP Threaded, Union	611.62	67.95
		For 150 LB, Add	*190.25*	
		For 250 LB, Add	*404.28*	
		For 300 LB, Add	*570.74*	
22 11 16 00-1183		**125 LB Cast Bronze, Screwed, Companion Flanges** *(22 11 16 00-1063)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
22 11 16 00-1184	EA	1/2" 125 LB Cast Bronze, Screwed, Companion Flange	151.77	23.24
22 11 16 00-1185	EA	3/4" 125 LB Cast Bronze, Screwed, Companion Flange	165.92	27.91
22 11 16 00-1186	EA	1" 125 LB Cast Bronze, Screwed, Companion Flange	190.30	32.48
22 11 16 00-1187	EA	1-1/4" 125 LB Cast Bronze, Screwed, Companion Flange	216.56	34.81
22 11 16 00-1188	EA	1-1/2" 125 LB Cast Bronze, Screwed, Companion Flange	255.74	37.15
22 11 16 00-1189	EA	2" 125 LB Cast Bronze, Screwed, Companion Flange	320.91	39.48
22 11 16 00-1190	EA	2-1/2" 125 LB Cast Bronze, Screwed, Companion Flange	403.95	46.48
22 11 16 00-1191	EA	3" 125 LB Cast Bronze, Screwed, Companion Flange	500.61	58.06
22 11 16 00-1192	EA	4" 125 LB Cast Bronze, Screwed, Companion Flange	713.37	81.30
22 11 16 00-1193		**125 LB Cast Bronze, Screwed, Square Head Plugs** *(22 11 16 00-1063)*		
22 11 16 00-1194	EA	1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	15.52	
22 11 16 00-1195	EA	3/4" 125 LB Cast Bronze, Screwed, Square Head Plug	15.88	
22 11 16 00-1196	EA	1" 125 LB Cast Bronze, Screwed, Square Head Plug	24.43	
22 11 16 00-1197	EA	1-1/4" 125 LB Cast Bronze, Screwed, Square Head Plug	28.02	
22 11 16 00-1198	EA	1-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	31.71	
22 11 16 00-1199	EA	2" 125 LB Cast Bronze, Screwed, Square Head Plug	47.40	
22 11 16 00-1200	EA	2-1/2" 125 LB Cast Bronze, Screwed, Square Head Plug	71.24	
22 11 16 00-1201	EA	3" 125 LB Cast Bronze, Screwed, Square Head Plug	103.76	
22 11 16 00-1202	EA	4" 125 LB Cast Bronze, Screwed, Square Head Plug	173.89	
22 11 16 00-1203		**125 LB Cast Bronze, Screwed, Counter Sunk Plugs** *(22 11 16 00-1063)*		
22 11 16 00-1204	EA	1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	5.95	
22 11 16 00-1205	EA	3/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	7.12	
22 11 16 00-1206	EA	1" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	10.71	
22 11 16 00-1207	EA	1-1/4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	16.65	
22 11 16 00-1208	EA	1-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	26.36	
22 11 16 00-1209	EA	2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	40.85	
22 11 16 00-1210	EA	2-1/2" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	79.51	
22 11 16 00-1211	EA	3" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	128.76	
22 11 16 00-1212	EA	4" 125 LB Cast Bronze, Screwed, Counter Sunk Plug	314.04	
22 11 16 00-1213		**125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushings** *(22 11 16 00-1063)*		
22 11 16 00-1214	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	4.74	
22 11 16 00-1215	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	5.95	
22 11 16 00-1216	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	8.33	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1217	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	14.26	
22 11 16 00-1218	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	20.22	
22 11 16 00-1219	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	24.98	
22 11 16 00-1220	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	62.97	
22 11 16 00-1221	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	92.69	
22 11 16 00-1222	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Hex Bushing	203.04	

22 11 16 00-1223 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushings *(22 11 16 00-1063)*

22 11 16 00-1224	EA	1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	8.33	
22 11 16 00-1225	EA	3/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	11.87	
22 11 16 00-1226	EA	1" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	20.69	
22 11 16 00-1227	EA	1-1/4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	28.10	
22 11 16 00-1228	EA	1-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	35.12	
22 11 16 00-1229	EA	2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	44.25	
22 11 16 00-1230	EA	2-1/2" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	90.35	
22 11 16 00-1231	EA	3" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	142.95	
22 11 16 00-1232	EA	4" 125 LB Cast Bronze, Screwed, Reducing 1 Or 2 Sizes, Flush Bushing	300.40	

22 11 16 00-1233 1/2" Red Brass Pipe Nipples *(22 11 16 00-1063)*

Note: Threaded both ends.

22 11 16 00-1234	EA	1/2" x Close, Red Brass Pipe Nipple	7.59	
22 11 16 00-1235	EA	1/2" x 1-1/2" Long, Red Brass Pipe Nipple	8.89	
22 11 16 00-1236	EA	1/2" x 2" Long, Red Brass Pipe Nipple	10.89	
22 11 16 00-1237	EA	1/2" x 2-1/2" Long, Red Brass Pipe Nipple	12.93	
22 11 16 00-1238	EA	1/2" x 3" Long, Red Brass Pipe Nipple	14.98	
22 11 16 00-1239	EA	1/2" x 3-1/2" Long, Red Brass Pipe Nipple	17.68	
22 11 16 00-1240	EA	1/2" x 4" Long, Red Brass Pipe Nipple	19.83	
22 11 16 00-1241	EA	1/2" x 4-1/2" Long, Red Brass Pipe Nipple	21.77	
22 11 16 00-1242	EA	1/2" x 5" Long, Red Brass Pipe Nipple	23.82	
22 11 16 00-1243	EA	1/2" x 5-1/2" Long, Red Brass Pipe Nipple	26.07	
22 11 16 00-1244	EA	1/2" x 6" Long, Red Brass Pipe Nipple	28.07	

22 11 16 00-1245 3/4" Red Brass Pipe Nipples *(22 11 16 00-1063)*

Note: Threaded both ends.

22 11 16 00-1246	EA	3/4" x Close, Red Brass Pipe Nipple	11.09	
22 11 16 00-1247	EA	3/4" x 1-1/2" Long, Red Brass Pipe Nipple	11.69	
22 11 16 00-1248	EA	3/4" x 2" Long, Red Brass Pipe Nipple	14.13	
22 11 16 00-1249	EA	3/4" x 2-1/2" Long, Red Brass Pipe Nipple	16.63	
22 11 16 00-1250	EA	3/4" x 3" Long, Red Brass Pipe Nipple	18.88	
22 11 16 00-1251	EA	3/4" x 3-1/2" Long, Red Brass Pipe Nipple	21.67	
22 11 16 00-1252	EA	3/4" x 4" Long, Red Brass Pipe Nipple	24.37	
22 11 16 00-1253	EA	3/4" x 4-1/2" Long, Red Brass Pipe Nipple	27.37	
22 11 16 00-1254	EA	3/4" x 5" Long, Red Brass Pipe Nipple	29.86	
22 11 16 00-1255	EA	3/4" x 5-1/2" Long, Red Brass Pipe Nipple	34.41	
22 11 16 00-1256	EA	3/4" x 6" Long, Red Brass Pipe Nipple	36.16	

22 11 16 00-1257 1" Red Brass Pipe Nipples *(22 11 16 00-1063)*

Note: Threaded both ends.

22 11 16 00-1258	EA	1" x Close, Red Brass Pipe Nipple	16.88	
22 11 16 00-1259	EA	1" x 1-1/2" Long, Red Brass Pipe Nipple	18.57	
22 11 16 00-1260	EA	1" x 2" Long, Red Brass Pipe Nipple	20.27	
22 11 16 00-1261	EA	1" x 2-1/2" Long, Red Brass Pipe Nipple	24.12	
22 11 16 00-1262	EA	1" x 3" Long, Red Brass Pipe Nipple	27.27	
22 11 16 00-1263	EA	1" x 3-1/2" Long, Red Brass Pipe Nipple	32.11	
22 11 16 00-1264	EA	1" x 4" Long, Red Brass Pipe Nipple	35.96	
22 11 16 00-1265	EA	1" x 4-1/2" Long, Red Brass Pipe Nipple	39.75	
22 11 16 00-1266	EA	1" x 5" Long, Red Brass Pipe Nipple	43.65	
22 11 16 00-1267	EA	1" x 5-1/2" Long, Red Brass Pipe Nipple	47.74	
22 11 16 00-1268	EA	1" x 6" Long, Red Brass Pipe Nipple	51.54	

22 11 16 00-1269 1-1/4" Red Brass Pipe Nipples *(22 11 16 00-1063)*

Note: Threaded both ends.

22 11 16 00-1270	EA	1-1/4" x Close, Red Brass Pipe Nipple	24.97	
22 11 16 00-1271	EA	1-1/4" x 1-1/2" Long, Red Brass Pipe Nipple	26.61	
22 11 16 00-1272	EA	1-1/4" x 2" Long, Red Brass Pipe Nipple	28.61	
22 11 16 00-1273	EA	1-1/4" x 2-1/2" Long, Red Brass Pipe Nipple	34.46	
22 11 16 00-1274	EA	1-1/4" x 3" Long, Red Brass Pipe Nipple	40.25	
22 11 16 00-1275	EA	1-1/4" x 3-1/2" Long, Red Brass Pipe Nipple	47.24	
22 11 16 00-1276	EA	1-1/4" x 4" Long, Red Brass Pipe Nipple	53.03	
22 11 16 00-1277	EA	1-1/4" x 4-1/2" Long, Red Brass Pipe Nipple	58.83	
22 11 16 00-1278	EA	1-1/4" x 5" Long, Red Brass Pipe Nipple	64.67	
22 11 16 00-1279	EA	1-1/4" x 5-1/2" Long, Red Brass Pipe Nipple	70.76	
22 11 16 00-1280	EA	1-1/4" x 6" Long, Red Brass Pipe Nipple	76.55	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1281		1-1/2" Red Brass Pipe Nipples *(22 11 16 00-1063)*		
		Note: Threaded both ends.		
22 11 16 00-1282	EA	1-1/2" x Close, Red Brass Pipe Nipple	31.06	
22 11 16 00-1283	EA	1-1/2" x 1-1/2" Long, Red Brass Pipe Nipple	32.41	
22 11 16 00-1284	EA	1-1/2" x 2" Long, Red Brass Pipe Nipple	33.76	
22 11 16 00-1285	EA	1-1/2" x 2-1/2" Long, Red Brass Pipe Nipple	41.05	
22 11 16 00-1286	EA	1-1/2" x 3" Long, Red Brass Pipe Nipple	46.54	
22 11 16 00-1287	EA	1-1/2" x 3-1/2" Long, Red Brass Pipe Nipple	54.73	
22 11 16 00-1288	EA	1-1/2" x 4" Long, Red Brass Pipe Nipple	61.62	
22 11 16 00-1289	EA	1-1/2" x 4-1/2" Long, Red Brass Pipe Nipple	68.76	
22 11 16 00-1290	EA	1-1/2" x 5" Long, Red Brass Pipe Nipple	75.66	
22 11 16 00-1291	EA	1-1/2" x 5-1/2" Long, Red Brass Pipe Nipple	82.40	
22 11 16 00-1292	EA	1-1/2" x 6" Long, Red Brass Pipe Nipple	89.14	
22 11 16 00-1293		2" Red Brass Pipe Nipples *(22 11 16 00-1063)*		
		Note: Threaded both ends.		
22 11 16 00-1294	EA	2" x Close, Red Brass Pipe Nipple	47.74	
22 11 16 00-1295	EA	2" x 1-1/2" Long, Red Brass Pipe Nipple	49.41	
22 11 16 00-1296	EA	2" x 2" Long, Red Brass Pipe Nipple	51.06	
22 11 16 00-1297	EA	2" x 2-1/2" Long, Red Brass Pipe Nipple	52.73	
22 11 16 00-1298	EA	2" x 3" Long, Red Brass Pipe Nipple	59.73	
22 11 16 00-1299	EA	2" x 3-1/2" Long, Red Brass Pipe Nipple	70.41	
22 11 16 00-1300	EA	2" x 4" Long, Red Brass Pipe Nipple	79.10	
22 11 16 00-1301	EA	2" x 4-1/2" Long, Red Brass Pipe Nipple	87.79	
22 11 16 00-1302	EA	2" x 5" Long, Red Brass Pipe Nipple	95.63	
22 11 16 00-1303	EA	2" x 5-1/2" Long, Red Brass Pipe Nipple	105.47	
22 11 16 00-1304	EA	2" x 6" Long, Red Brass Pipe Nipple	114.11	
22 11 16 00-1305		Cross-Linked Polyethylene Tubing, ASTM F877 *(22 11 16)*		
		Note: Aboveground, domestic water usage.		
22 11 16 00-1306		Cross-Linked Polyethylene Tubing *(22 11 16 00-1305)*		
22 11 16 00-1307	LF	3/8" Cross-Linked Polyethylene Tubing	3.52	
		For Work In Restricted Working Space, Add	*0.88*	
22 11 16 00-1308	LF	1/2" Cross-Linked Polyethylene Tubing	3.83	
		For Work In Restricted Working Space, Add	*0.95*	
22 11 16 00-1309	LF	3/4" Cross-Linked Polyethylene Tubing	4.64	
		For Work In Restricted Working Space, Add	*1.03*	
22 11 16 00-1310	LF	1" Cross-Linked Polyethylene Tubing	5.69	
		For Work In Restricted Working Space, Add	*1.09*	
22 11 16 00-1311		Cross-Linked Polyethylene Forged Brass PEX Fittings *(22 11 16 00-1305)*		
		Note: Aboveground, domestic water usage.		
22 11 16 00-1312		Male Adapters *(22 11 16 00-1311)*		
22 11 16 00-1313	EA	3/8" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	20.53	
		For Work In Restricted Working Space, Add	*4.56*	
22 11 16 00-1314	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	22.18	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-1315	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	24.42	
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1316	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	25.44	
		For Work In Restricted Working Space, Add	*5.47*	
22 11 16 00-1317	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	24.42	
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1318	EA	1" x 1", (PE x Threaded) Forged Brass Male Adapter For PEX Tubing	32.96	
		For Work In Restricted Working Space, Add	*6.08*	
22 11 16 00-1319		Female Adapters *(22 11 16 00-1311)*		
22 11 16 00-1320	EA	1/2" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	22.80	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-1321	EA	1/2" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	26.14	
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1322	EA	3/4" x 3/4", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	27.16	
		For Work In Restricted Working Space, Add	*5.47*	
22 11 16 00-1323	EA	3/4" x 1/2", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	26.14	
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1324	EA	1" x 1", (PE x Threaded) Forged Brass Female Adapter For PEX Tubing	33.74	
		For Work In Restricted Working Space, Add	*6.08*	
22 11 16 00-1325		Tube Adapters *(22 11 16 00-1311)*		
22 11 16 00-1326	EA	3/8" x 1/2" Forged Brass Tube Adapter For PEX Tubing	18.00	
		For Work In Restricted Working Space, Add	*4.56*	
22 11 16 00-1327	EA	1/2" Forged Brass Tube Adapter For PEX Tubing	19.02	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-1328	EA	3/4" Forged Brass Tube Adapter For PEX Tubing	23.42	
		For Work In Restricted Working Space, Add	*5.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 16 00-1329	EA	1" Forged Brass Tube Adapter For PEX Tubing	31.37	
		For Work In Restricted Working Space, Add	*6.08*	

22 11 16 00-1330 Plugs *(22 11 16 00-1311)*

22 11 16 00-1331	EA	3/8" Forged Brass Plug For PEX Tubing	9.28	
		For Work In Restricted Working Space, Add	*2.13*	
22 11 16 00-1332	EA	1/2" Forged Brass Plug For PEX Tubing	10.28	
		For Work In Restricted Working Space, Add	*2.43*	
22 11 16 00-1333	EA	3/4" Forged Brass Plug For PEX Tubing	11.92	
		For Work In Restricted Working Space, Add	*2.74*	
22 11 16 00-1334	EA	1" Forged Brass Plug For PEX Tubing	15.32	
		For Work In Restricted Working Space, Add	*3.04*	

22 11 16 00-1335 Tees *(22 11 16 00-1311)*

22 11 16 00-1336	EA	3/8" Forged Brass Tee For PEX Tubing	25.85	
		For Work In Restricted Working Space, Add	*6.39*	
22 11 16 00-1337	EA	1/2" Forged Brass Tee For PEX Tubing	28.88	
		For Work In Restricted Working Space, Add	*7.30*	
22 11 16 00-1338	EA	3/4" Forged Brass Tee For PEX Tubing	35.03	
		For Work In Restricted Working Space, Add	*8.21*	
22 11 16 00-1339	EA	1" Forged Brass Tee For PEX Tubing	46.84	
		For Work In Restricted Working Space, Add	*9.12*	
22 11 16 00-1340	EA	1/2" Forged Brass Reducing Tee For PEX Tubing	27.87	
		For Work In Restricted Working Space, Add	*6.99*	
22 11 16 00-1341	EA	3/4" Forged Brass Reducing Tee For PEX Tubing	33.01	
		For Work In Restricted Working Space, Add	*7.60*	
22 11 16 00-1342	EA	1" Forged Brass Reducing Tee For PEX Tubing	42.55	
		For Work In Restricted Working Space, Add	*8.21*	

22 11 16 00-1343 Couplings *(22 11 16 00-1311)*

22 11 16 00-1344	EA	3/8" Forged Brass Coupling For PEX Tubing	16.53	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-1345	EA	1/2" Forged Brass Coupling For PEX Tubing	18.71	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-1346	EA	3/4" Forged Brass Coupling For PEX Tubing	21.51	
		For Work In Restricted Working Space, Add	*5.47*	
22 11 16 00-1347	EA	1" Forged Brass Coupling For PEX Tubing	27.16	
		For Work In Restricted Working Space, Add	*6.08*	
22 11 16 00-1348	EA	3/4" x 1/2" Forged Brass Reducing Coupling For PEX Tubing	20.49	
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1349	EA	1" x 3/4" Forged Brass Reducing Coupling For PEX Tubing	26.15	
		For Work In Restricted Working Space, Add	*5.78*	

22 11 16 00-1350 Fitting Reducers *(22 11 16 00-1311)*

22 11 16 00-1351	EA	3/8" x 1/2" Forged Brass Fitting Reducer For PEX Tubing	18.47	
		For Work In Restricted Working Space, Add	*4.56*	
22 11 16 00-1352	EA	1/2" Forged Brass Fitting Reducer For PEX Tubing	19.49	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-1353	EA	3/4" Forged Brass Fitting Reducer For PEX Tubing	24.35	
		For Work In Restricted Working Space, Add	*5.47*	
22 11 16 00-1354	EA	1" Forged Brass Fitting Reducer For PEX Tubing	36.70	
		For Work In Restricted Working Space, Add	*6.08*	

22 11 16 00-1355 90 Degree Elbows *(22 11 16 00-1311)*

22 11 16 00-1356	EA	3/8" Forged Brass 90 Degree Elbow For PEX Tubing	17.93	
		For Work In Restricted Working Space, Add	*4.26*	
22 11 16 00-1357	EA	1/2" Forged Brass 90 Degree Elbow For PEX Tubing	19.96	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-1358	EA	3/4" Forged Brass 90 Degree Elbow For PEX Tubing	24.35	
		For Work In Restricted Working Space, Add	*5.47*	
22 11 16 00-1359	EA	3/4" x 1/2" Forged Brass 90 Degree Elbow For PEX Tubing	23.33	
		For Work In Restricted Working Space, Add	*5.17*	
22 11 16 00-1360	EA	1/2" Drop 90 Degree Elbow For PEX Tubing	29.69	
		For Work In Restricted Working Space, Add	*4.87*	
22 11 16 00-1361	EA	3/4" Forged Brass Drop 90 Degree Elbow For PEX Tubing	33.11	
		For Work In Restricted Working Space, Add	*5.47*	
22 11 16 00-1362	EA	3/4" x 1/2" Forged Brass Drop 90 Degree Elbow For PEX Tubing	32.09	
		For Work In Restricted Working Space, Add	*5.17*	

22 11 19 Domestic Water Piping Specialties *(22 11)*

22 11 19 00-0001 Rubber Hose And Clamps *(22 11 19)*

22 11 19 00-0002 General Purpose Hose *(22 11 19 00-0001)*

Note: For medium pressure (up to 200/250 psi) applications requiring excellent resistance to air, oil and heat.

22 11 19 00-0003	LF	3/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	4.97	2.01
22 11 19 00-0004	LF	1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	5.60	2.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0005	LF	5/8" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	6.44	2.01
22 11 19 00-0006	LF	3/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	6.48	2.01
22 11 19 00-0007	LF	1" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	8.13	3.03
22 11 19 00-0008	LF	1-1/4" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	11.97	3.03
22 11 19 00-0009	LF	1-1/2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	13.09	4.03
22 11 19 00-0010	LF	2" Inside Diameter Ethylene Propylene Diene Monomer (EPDM) Rubber Hose And Clamp	22.46	4.03

22 11 19 00-0011 Reinfored EPDM Water Hose Assembly *(22 11 19 00-0001)*

Note: Includes male/female camlock, 150 psi, synthetic fiber with steel wire helix reinforcement.

22 11 19 00-0012	LF	1-1/2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	28.38	4.03
22 11 19 00-0013	LF	2" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	33.20	4.03
22 11 19 00-0014	LF	3" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	46.55	4.95
22 11 19 00-0015	LF	4" Inside Diameter, Ethylene Propylene Diene Monomer (EPDM) Rubber Hose, Male/Female Camlocks, Synthetic Fiber With Steel Wire Helix Reinforcement	64.55	6.70

22 11 19 00-0016 Chemical Resistant Rubber Hoses *(22 11 19 00-0001)*

22 11 19 00-0017	EA	50' x 6" Brown Gum Rubber, Chemical Resistant Flexible Hose	1,041.16	220.50
22 11 19 00-0018	EA	50' x 6" Nitrile Rubber, Low pH Resistance, Flexible Hose	1,434.37	220.50

22 11 19 00-0019 Water Pump Hose *(22 11 19 00-0001)*

22 11 19 00-0020	EA	2" Inside Diameter, 20' Rubber Discharge Hose	285.92	61.55
22 11 19 00-0021	EA	2" Inside Diameter, 20' Rubber Intake Hose	298.52	61.55

22 11 19 00-0022 Barbed Hose x Threaded Male Pipe, Steel Coupling *(22 11 19 00-0001)*

22 11 19 00-0023	EA	3/8" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	24.31	8.46
22 11 19 00-0024	EA	1/2" Inside Diameter Barbed Hose x 1/2" Threaded Male Pipe, Steel Coupling	25.83	9.07
22 11 19 00-0025	EA	5/8" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	27.63	9.67
22 11 19 00-0026	EA	3/4" Inside Diameter Barbed Hose x 3/4" Threaded Male Pipe, Steel Coupling	31.20	10.87
22 11 19 00-0027	EA	1" Inside Diameter Barbed Hose x 1" Threaded Male Pipe, Steel Coupling	37.68	13.30
22 11 19 00-0028	EA	1-1/4" Inside Diameter Barbed Hose x 1-1/4" Threaded Male Pipe, Steel Coupling	44.74	15.92
22 11 19 00-0029	EA	1-1/2" Inside Diameter Barbed Hose x 1-1/2" Threaded Male Pipe, Steel Coupling	57.86	20.95
22 11 19 00-0030	EA	2" Inside Diameter Barbed Hose x 2" Threaded Male Pipe, Steel Coupling	72.75	26.19

22 11 19 00-0031 Worm-Drive Hose Clamp *(22 11 19 00-0001)*

22 11 19 00-0032	EA	3/8" To 1" Diameter Worm Drive Hose Clamp	10.31	3.03
22 11 19 00-0033	EA	1/2" To 1-1/6" Diameter Worm Drive Hose Clamp	10.91	3.03
22 11 19 00-0034	EA	5/8" To 1-1/2" Diameter Worm Drive Hose Clamp	11.57	3.03
22 11 19 00-0035	EA	3/4" To 2" Diameter Worm Drive Hose Clamp	12.32	3.03
22 11 19 00-0036	EA	1" To 2-1/2" Diameter Worm Drive Hose Clamp	13.17	3.03
22 11 19 00-0037	EA	1-1/4" To 2-3/4" Diameter Worm Drive Hose Clamp	14.24	4.03
22 11 19 00-0038	EA	1-1/2" To 3" Diameter Worm Drive Hose Clamp	15.38	4.03

22 11 19 00-0039 Trap Primer And Accessories *(22 11 19)*

22 11 19 00-0040 Trap Primer *(22 11 19 00-0039)*

22 11 19 00-0041	EA	1/2" Inlet/Outlet, Flow Through Automatic Trap Primer (JR Smith 2699)	251.90	15.20
22 11 19 00-0042	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Two Floor Drains (PPP PR-500)	154.58	10.14
22 11 19 00-0043	EA	1/2" Inlet/Outlet, Automatic Trap Primer, Up To Four Floor Drains (PPP PO-500)	149.73	10.14

22 11 19 00-0044 Trap Primer Distribution Unit *(22 11 19 00-0039)*

22 11 19 00-0045	EA	Molded Plastic Four Opening Trap Primer Distribution Unit (PPP DU-U) Note: Can be used for two, three or four drains.	130.78	20.27
22 11 19 00-0046	EA	Copper Four Opening Trap Primer Distribution Unit (PPP DU-4) Note: Can be used for two, three or four drains.	143.82	20.27

22 11 19 00-0047 Trap Primer Manifold *(22 11 19 00-0039)*

22 11 19 00-0048	EA	Two Outlet Manifold	202.37	27.26
22 11 19 00-0049	EA	Four Outlet Manifold	305.81	31.01
22 11 19 00-0050	EA	Six Outlet Manifold	406.77	32.84
22 11 19 00-0051	EA	Eight Outlet Manifold	511.61	38.51

22 11 19 00-0052 Sewage Air Release Valves *(22 11 19)*

22 11 19 00-0053 Cast Iron, Sewage Air Release Valves *(22 11 19 00-0052)*

Note: Stainless steel float.

22 11 19 00-0054	EA	2" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	844.47	37.01
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0055	EA	3" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,036.31	61.85
		For Back Flush Attachment, Add	*650.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0056	EA	4" x 1/2" NPT, Cast Iron, Sewage Air Release Valve (Apco 400)	1,314.10	78.08
		For Back Flush Attachment, Add	*650.00*	

22 11 19 00-0057 Cast Iron, Sewage Air Vacuum Valves *(22 11 19 00-0052)*

Note: Stainless steel float.

22 11 19 00-0058	EA	2" x 1" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 401)	862.81	37.01
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0059	EA	2" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 402)	1,692.88	37.01
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0060	EA	3" x 2" NPT, Cast Iron, Sewage Air Vacuum Valve (Apco 403)	2,031.48	61.85
		For Back Flush Attachment, Add	*650.00*	
22 11 19 00-0061	EA	4" NPT x 4" With Hood, Cast Iron, Sewage Air Vacuum Valve (Apco 404)	3,008.63	78.08

22 11 19 00-0062 Cast Iron, Sewage Combination Air Valves *(22 11 19 00-0052)*

Note: Stainless steel float.

22 11 19 00-0063	EA	2" x 1" NPT, Sewage Combination Air Valve (Apco 443)	1,844.22	37.01
22 11 19 00-0064	EA	2" x 2" NPT, Sewage Combination Air Valve (Apco 445)	2,543.58	37.01
22 11 19 00-0065	EA	3" x 3" NPT, Sewage Combination Air Valve (Apco 447)	2,976.19	61.85
22 11 19 00-0066	EA	4" x 4" NPT, Sewage Combination Air Valve (Apco 449)	3,639.21	78.08

22 11 19 00-0067 Brass, Anti Siphon Vacuum Breakers *(22 11 19)*

Note: Watts 288A

22 11 19 00-0068	EA	1/2" Brass, Anti Siphon Vacuum Breaker	91.96	25.34
22 11 19 00-0069	EA	3/4" Brass, Anti Siphon Vacuum Breaker	105.58	28.38
22 11 19 00-0070	EA	1" Brass, Anti Siphon Vacuum Breaker	214.62	32.43
22 11 19 00-0071	EA	1-1/4" Brass, Anti Siphon Vacuum Breaker	340.43	37.50
22 11 19 00-0072	EA	1-1/2" Brass, Anti Siphon Vacuum Breaker	406.57	41.55
22 11 19 00-0073	EA	2" Brass, Anti Siphon Vacuum Breaker	594.29	50.68
22 11 19 00-0074	EA	2-1/2" Brass, Anti Siphon Vacuum Breaker	1,553.83	63.35

22 11 19 00-0075 Anti Siphon Pressure Vacuum Breakers *(22 11 19)*

Note: Watts 800M4QT

22 11 19 00-0076	EA	1/2" Anti Siphon Pressure Type Vacuum Breaker	266.82	25.34
22 11 19 00-0077	EA	3/4" Anti Siphon Pressure Type Vacuum Breaker	233.65	28.38
22 11 19 00-0078	EA	1" Anti Siphon Pressure Type Vacuum Breaker	333.55	32.43
22 11 19 00-0079	EA	1-1/4" Anti Siphon Pressure Type Vacuum Breaker	602.10	37.50
22 11 19 00-0080	EA	1-1/2" Anti Siphon Pressure Type Vacuum Breaker	733.10	41.55
22 11 19 00-0081	EA	2" Anti Siphon Pressure Type Vacuum Breaker	740.56	50.68

22 11 19 00-0082 Bellows Type Water Hammer Arrestors *(22 11 19)*

22 11 19 00-0083	EA	Up To 11 Fixture Unit Capacity, 3/4" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5005)	243.82	12.12
22 11 19 00-0084	EA	>11 To 32 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5010)	476.18	14.66
22 11 19 00-0085	EA	>32 To 60 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5020)	697.69	14.66
22 11 19 00-0086	EA	>60 To 113 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5030)	1,705.00	14.66
22 11 19 00-0087	EA	>113 To 154 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5040)	1,920.76	14.66
22 11 19 00-0088	EA	>154 To 330 Fixture Unit Capacity, 1" Nipple, Stainless Steel, Hydrotrol Water Hammer Arrestor (Jay R. Smith® 5050)	2,353.56	14.66

22 11 19 00-0089 Piston Type Water Hammer Arrestors *(22 11 19)*

22 11 19 00-0090 Threaded Piston Type Water Hammer Arrestors *(22 11 19 00-0089)*

22 11 19 00-0091	EA	Up To 11 Fixture Unit Capacity, 1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-A)	147.20	6.75
22 11 19 00-0092	EA	>11 To 32 Fixture Unit Capacity, 3/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-B)	282.97	7.79
22 11 19 00-0093	EA	>32 To 60 Fixture Unit Capacity, 1" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-C)	420.67	8.45
22 11 19 00-0094	EA	>60 To 113 Fixture Unit Capacity, 1-1/4" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-D)	1,035.31	10.90
22 11 19 00-0095	EA	>113 To 154 Fixture Unit Capacity, 1-1/2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-E)	1,260.95	13.52
22 11 19 00-0096	EA	>154 To 330 Fixture Unit Capacity, 2" M.P.T Brass Connection, Copper Body, Piston Type Water Hammer Arrestor (MI Fab MWH-F)	1,434.90	14.66

22 11 19 00-0097 Escutcheons *(22 11 19)*

22 11 19 00-0098 Brass Escutcheons *(22 11 19 00-0097)*

22 11 19 00-0099 Shallow Brass Escutcheons *(22 11 19 00-0098)*

22 11 19 00-0100	EA	3/8" IPS, Antique Or Polished Brass Shallow Escutcheon	11.36	2.53
22 11 19 00-0101	EA	1/2" IPS, Antique Or Polished Brass Shallow Escutcheon	12.23	2.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0102		**Deep Bell Brass Escutcheons** *(22 11 19 00-0098)*		
22 11 19 00-0103	EA	3/8" IPS, Antique Or Polished Deep Bell Brass Escutcheon	13.37	2.84
22 11 19 00-0104	EA	1/2" IPS, Antique Or Polished Deep Bell Brass Escutcheon	13.40	2.84
22 11 19 00-0105		**Chrome Plated Brass Escutcheons With Setscrew** *(22 11 19 00-0098)*		
22 11 19 00-0106	EA	3/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.43	2.53
22 11 19 00-0107	EA	1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	22.68	2.53
22 11 19 00-0108	EA	5/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	23.05	2.53
22 11 19 00-0109	EA	3/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.40	2.53
22 11 19 00-0110	EA	7/8" IPS, Chrome Plated Brass Escutcheon With Setscrew	24.73	3.04
22 11 19 00-0111	EA	1" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.04	3.04
22 11 19 00-0112	EA	1-1/4" IPS, Chrome Plated Brass Escutcheon With Setscrew	26.92	3.35
22 11 19 00-0113	EA	1-1/2" IPS, Chrome Plated Brass Escutcheon With Setscrew	28.10	3.55
22 11 19 00-0114	EA	2" IPS, Chrome Plated Brass Escutcheon With Setscrew	40.82	4.05
22 11 19 00-0115		**Plastic Escutcheons** *(22 11 19 00-0097)*		
22 11 19 00-0116		**Split-Ring White Plastic Escutcheons** *(22 11 19 00-0115)*		
22 11 19 00-0117	EA	3/8" IPS, Split-Ring White Plastic Escutcheon	5.67	2.52
22 11 19 00-0118	EA	1/2" IPS, Split-Ring White Plastic Escutcheon	5.67	2.52
22 11 19 00-0119	EA	3/4" IPS, Split-Ring White Plastic Escutcheon	6.46	2.82
22 11 19 00-0120	EA	1" IPS, Split-Ring White Plastic Escutcheon	7.02	3.03
22 11 19 00-0121	EA	1-1/4" IPS, Split-Ring White Plastic Escutcheon	7.57	3.33
22 11 19 00-0122	EA	1-1/2" IPS, Split-Ring White Plastic Escutcheon	8.13	3.53
22 11 19 00-0123	EA	2" IPS, Split-Ring White Plastic Escutcheon	9.20	4.03
22 11 19 00-0124	EA	2-1/2" IPS, Split-Ring White Plastic Escutcheon	11.02	4.33
22 11 19 00-0125	EA	3" IPS, Split-Ring White Plastic Escutcheon	12.84	4.53
22 11 19 00-0126	EA	4" IPS, Split-Ring White Plastic Escutcheon	15.15	5.04
22 11 19 00-0127		**Chrome Plate Plastic Escutcheons** *(22 11 19 00-0115)*		
22 11 19 00-0128	EA	1/2" IPS, Chrome Plate Plastic Escutcheon	6.74	2.52
22 11 19 00-0129	EA	3/4" IPS, Chrome Plate Plastic Escutcheon	7.38	2.82
22 11 19 00-0130	EA	1" IPS, Chrome Plate Plastic Escutcheon	8.20	3.03
22 11 19 00-0131	EA	1-1/4" IPS, Chrome Plate Plastic Escutcheon	9.03	3.33
22 11 19 00-0132	EA	1-1/2" IPS, Chrome Plate Plastic Escutcheon	9.59	3.53
22 11 19 00-0133	EA	2" IPS, Chrome Plate Plastic Escutcheon	11.70	4.03
22 11 19 00-0134	EA	2-1/2" IPS, Chrome Plate Plastic Escutcheon	15.51	4.33
22 11 19 00-0135	EA	3" IPS, Chrome Plate Plastic Escutcheon	16.16	4.53
22 11 19 00-0136	EA	4" IPS, Chrome Plate Plastic Escutcheon	17.44	5.04
22 11 19 00-0137		**Stainless Steel Escutcheons** *(22 11 19 00-0097)*		
22 11 19 00-0138		**Shallow Stainless Steel Escutcheons** *(22 11 19 00-0137)*		
22 11 19 00-0139	EA	3/8" IPS, Shallow Stainless Steel Escutcheon	13.36	2.53
22 11 19 00-0140	EA	1/2" IPS, Shallow Stainless Steel Escutcheon	13.36	2.53
22 11 19 00-0141	EA	3/4" IPS, Shallow Stainless Steel Escutcheon	18.44	2.84
22 11 19 00-0142		**Chrome Plated Steel Escutcheons** *(22 11 19 00-0097)*		
22 11 19 00-0143		**Split-Ring Chrome Plated Steel Escutcheons** *(22 11 19 00-0142)*		
22 11 19 00-0144	EA	1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	5.81	2.52
22 11 19 00-0145	EA	3/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.31	2.82
22 11 19 00-0146	EA	1" IPS, Split-Ring Chrome Plated Steel Escutcheon	6.95	3.03
22 11 19 00-0147	EA	1-1/4" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.45	3.33
22 11 19 00-0148	EA	1-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	7.97	3.53
22 11 19 00-0149	EA	2" IPS, Split-Ring Chrome Plated Steel Escutcheon	9.20	4.03
22 11 19 00-0150	EA	2-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	14.84	4.33
22 11 19 00-0151	EA	3" IPS, Split-Ring Chrome Plated Steel Escutcheon	15.77	4.53
22 11 19 00-0152	EA	3-1/2" IPS, Split-Ring Chrome Plated Steel Escutcheon	19.85	4.83
22 11 19 00-0153	EA	4" IPS, Split-Ring Chrome Plated Steel Escutcheon	17.14	5.04
22 11 19 00-0154	EA	5" IPS, Split-Ring Chrome Plated Steel Escutcheon	22.63	5.54
22 11 19 00-0155	EA	6" IPS, Split-Ring Chrome Plated Steel Escutcheon	26.62	6.04
22 11 19 00-0156		**Split-Ring/Springs Chrome Plated Steel Escutcheons** *(22 11 19 00-0142)*		
22 11 19 00-0157	EA	3/8" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.11	2.52
22 11 19 00-0158	EA	1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.11	2.52
22 11 19 00-0159	EA	3/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	10.77	2.82
22 11 19 00-0160	EA	1" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	9.43	3.03
22 11 19 00-0161	EA	1-1/4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	12.89	3.33
22 11 19 00-0162	EA	1-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	13.63	3.53
22 11 19 00-0163	EA	2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	16.23	4.03
22 11 19 00-0164	EA	2-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	18.86	4.33
22 11 19 00-0165	EA	3" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	23.43	4.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0166	EA	3-1/2" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	29.21	4.83
22 11 19 00-0167	EA	4" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	29.55	5.04
22 11 19 00-0168	EA	5" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	50.32	5.54
22 11 19 00-0169	EA	6" IPS, Split-Ring/Springs Chrome Plated Steel Escutcheon	52.39	6.04

22 11 19 00-0170 Deep Bell Chrome Plated Steel Escutcheons *(22 11 19 00-0142)*

22 11 19 00-0171	EA	3/8" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.22	2.84
22 11 19 00-0172	EA	1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.09	2.84
22 11 19 00-0173	EA	3/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	6.83	2.84
22 11 19 00-0174	EA	1" IPS, Deep Bell Chrome Plated Steel Escutcheon	7.68	3.04
22 11 19 00-0175	EA	1-1/4" IPS, Deep Bell Chrome Plated Steel Escutcheon	8.35	3.35
22 11 19 00-0176	EA	1-1/2" IPS, Deep Bell Chrome Plated Steel Escutcheon	9.23	3.55

22 11 19 00-0177 Shallow Chrome Plated Steel Escutcheons *(22 11 19 00-0142)*

22 11 19 00-0178	EA	3/8" IPS, Shallow Chrome Plated Steel Escutcheon	6.33	2.53
22 11 19 00-0179	EA	1/2" IPS, Shallow Chrome Plated Steel Escutcheon	6.33	2.53
22 11 19 00-0180	EA	3/4" IPS, Shallow Chrome Plated Steel Escutcheon	6.45	2.53
22 11 19 00-0181	EA	1" IPS, Shallow Chrome Plated Steel Escutcheon	6.93	3.04
22 11 19 00-0182	EA	1-1/4" IPS, Shallow Chrome Plated Steel Escutcheon	7.50	3.35
22 11 19 00-0183	EA	1-1/2" IPS, Shallow Chrome Plated Steel Escutcheon	8.37	3.55
22 11 19 00-0184	EA	2" IPS, Shallow Chrome Plated Steel Escutcheon	9.46	4.05

22 11 19 00-0185 Wall Hydrants *(22 11 19)*

Note: Female inlet connection, 3/4" hose thread outlet.

22 11 19 00-0186 Cast Bronze, Non-Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants *(22 11 19 00-0185)*

Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.

22 11 19 00-0187	EA	6" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	747.09	25.34
		For Cast Bronze Box, Add	*38.41*	
		For 1" NPT Outlet, Add	*90.52*	
22 11 19 00-0188	EA	12" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	786.61	30.41
		For Cast Bronze Box, Add	*38.41*	
		For 1" NPT Outlet, Add	*90.52*	
22 11 19 00-0189	EA	18" Thick Wall, Cast Bronze, Non Freeze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	807.36	36.59
		For Cast Bronze Box, Add	*38.41*	
		For 1" NPT Outlet, Add	*90.52*	

22 11 19 00-0190 Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrants *(22 11 19 00-0185)*

Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.

22 11 19 00-0191	EA	Cast Bronze, Stainless Steel Box, Integral Vacuum Breaker Wall Hydrant	746.45	42.56
		For Cast Bronze Box, Add	*38.41*	
		For 1" NPT Outlet, Add	*90.52*	

22 11 19 00-0192 Cast Bronze Non-Freezing Wall Hydrant *(22 11 19 00-0185)*

Note: 3/4" HPT outlet. 3/4" NPT female and 1" NPT male inlet connection. Includes wall clamp.

22 11 19 00-0193	EA	3" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	400.58	31.42
		For 1" NPT Outlet, Add	*90.52*	
22 11 19 00-0194	EA	4" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	497.83	31.42
		For 1" NPT Outlet, Add	*90.52*	
22 11 19 00-0195	EA	6" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	497.83	31.42
		For 1" NPT Outlet, Add	*90.52*	
22 11 19 00-0196	EA	8" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	497.83	31.42
		For 1" NPT Outlet, Add	*90.52*	
22 11 19 00-0197	EA	10" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	520.46	63.35
		For 1" NPT Outlet, Add	*90.52*	
22 11 19 00-0198	EA	12" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	520.46	63.35
		For 1" NPT Outlet, Add	*90.52*	
22 11 19 00-0199	EA	18" Thick Wall, Cast Bronze, Non Freeze, Nikaloy Face, Integral Vacuum Breaker Wall Hydrant	588.15	63.35
		For 1" NPT Outlet, Add	*90.52*	

22 11 19 00-0200 Stainless Steel Box Type Wall Hydrants *(22 11 19 00-0185)*

Note: With 3/4" NPT female and 3/4" NPT male inlet connection.

22 11 19 00-0201	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8140)	369.75	25.34
22 11 19 00-0202	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8141)	403.68	25.34
22 11 19 00-0203	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8150)	408.30	25.34
22 11 19 00-0204	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8151)	459.19	25.34
22 11 19 00-0205	EA	Recessed Stainless Steel Hose Box With Wall Flange Less Door (Acorn 8145) Note: Includes hot and cold hose connections.	647.25	35.47
22 11 19 00-0206	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange Less Door (Acorn 8146) Note: Includes hot and cold hose connections.	667.30	35.47
22 11 19 00-0207	EA	Recessed Stainless Steel Hose Box With Wall Flange And Door (Acorn 8155) Note: Includes hot and cold hose connections.	667.30	35.47
22 11 19 00-0208	EA	Recessed Stainless Steel Hose Box With Vacuum Breaker, Wall Flange And Door (Acorn 8156) Note: Includes hot and cold hose connections.	715.11	35.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0209		Washer Boxes And Dryer Outlets *(22 11 19)*		
22 11 19 00-0210		Dryer Vent Kit *(22 11 19 00-0209)*		
		Note: Includes 4" flexible tubing plastic hood clamps and tailpipe.		
22 11 19 00-0211	EA	Dryer Vent Kit With Hood, 4" x 5' Flexible Vent And Clamps	72.53	13.17
22 11 19 00-0212		Washer Boxes And Dryer Vents *(22 11 19 00-0209)*		
		Note: Includes 1/2" supply valves and mounting brackets.		
22 11 19 00-0213	EA	2" Washing Machine Outlet Box, Plastic, Two 1/2" Supply Valves	243.03	20.27
22 11 19 00-0214		Ice Maker Outlet Box *(22 11 19)*		
		Note: Includes one 1/2" quarter turn ball valve and connections wall mount.		
22 11 19 00-0215	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	128.29	20.27
22 11 19 00-0216	EA	Plastic Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve With Water Hammer Arrestor, Wall Mount	159.89	20.27
22 11 19 00-0217	EA	Steel Ice Maker Outlet Box, 1/2" Quarter Turn Ball Valve, Wall Mount	177.28	20.27
22 11 19 00-0218		Tempering Controllers For Potable Hot Water *(22 11 19)*		
22 11 19 00-0219		Point-Of-Use Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0218)*		
		Note: Point-of-Use Water Tempering Valves: ASSE 1016, or 1070, with piston-control mechanism, positive shutoff of hot water when cold water supply is lost, bronze body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner.		
22 11 19 00-0220	EA	1/2" Inlets, 1/2" Outlet Sink/Faucet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-2007)	379.01	24.53
22 11 19 00-0221	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4004)	128.67	24.53
22 11 19 00-0222	EA	1/2" Inlets, 1/2" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4008)	218.61	24.53
22 11 19 00-0223	EA	3/4" Inlets, 3/4" Outlet Point-Of-Use Thermostatic Mixing Valve (Bradley S59-4016)	252.26	33.05
22 11 19 00-0224		Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0218)*		
		Note: Standard Thermostatic, Water Mixing Valves: ASSE 1017, liquid-filled motor and piston control mechanism with positive shutoff of hot water when coldwater supply is lost. Water flow is shut off in event of thermostat failure. Bronze valve body and cap with replaceable corrosion-resistant components, including stainless steel piston and liner. Equipped with integral check stops and removable strainers.		
22 11 19 00-0225	EA	3/4" Inlets, 3/4" Outlet, 25 GPM Thermostatic Mixing Valve (Bradley S59-2025)	1,020.98	35.38
22 11 19 00-0226	EA	3/4" Inlets, 1" Outlet, 45 GPM Thermostatic Mixing Valve (Bradley S59-2045)	1,147.00	43.58
22 11 19 00-0227	EA	1" Inlets, 1-1/4" Outlet, 80 GPM Thermostatic Mixing Valve (Bradley S59-2080)	1,378.48	50.70
22 11 19 00-0228	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM Thermostatic Mixing Valve (Bradley S59-2130)	1,783.61	53.28
22 11 19 00-0229	EA	2" Inlets, 2" Outlet, 220 GPM Thermostatic Mixing Valve (Bradley S59-2200)	2,393.96	69.13
22 11 19 00-0230		High Low Temperature Thermostatic Mixing Valves (Bradley) *(22 11 19 00-0218)*		
		Note: High Low Temperature Thermostatic Mixing Valves: ASSE 1017, liquid-filled thermal motor and piston control mechanism with positive shutoff of hot water when cold water supply is lost, and allowing restricted cold flow in event of loss or interruption of hot water supply. Flow is shut off in the event of thermostat failure. Equipped with integral check stops, thermometer, and removable strainers.		
22 11 19 00-0231	EA	3/4" Inlets, 1" Outlet, 45 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3045)	2,593.31	54.50
22 11 19 00-0232	EA	1" Inlets, 1-1/4" Outlet, 80 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3080)	3,373.32	63.37
22 11 19 00-0233	EA	1-1/4" Inlets, 1-1/2" Outlet, 130 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3130)	3,932.21	66.60
22 11 19 00-0234	EA	2" Inlets, 2" Outlet, 220 GPM High-Low Thermostatic Mixing Valve (Bradley S59-3200)	4,359.65	86.41
22 11 19 00-0235		Thermostatic Mixing Valves (Leonard) *(22 11 19 00-0218)*		
		Note: Thermostatic Water Mixing Valve with Integral combination checkstops with strainers, 125 PSI (8.6 BAR) maximum operating pressure, Copper encapsulated thermostatic assembly with Teflon coated brass shuttle, Locking temperature regulating handle, Top or bottom supply/outlet connections, Integral circulation port connection		
22 11 19 00-0236	EA	3/4" In x 3/4" Out Thermostatic Mixing Valve (Leonard LV-981-RF)	743.32	35.38
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0237	EA	1" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-982-RF)	875.66	43.58
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0238	EA	1-1/4" In x 1-1/4" Out Thermostatic Mixing Valve (Leonard LV-983-RF)	1,075.42	50.70
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0239	EA	1-1/4" In x 1-1/2" Out Thermostatic Mixing Valve (Leonard LV-984-RF)	1,312.49	53.30
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0240	EA	2" In x 2" Out Thermostatic Mixing Valve (Leonard LV-985-RF)	1,947.15	69.13
		Note: For hot water or two pipe low pressure steam.		
22 11 19 00-0241		Water Mixing/Self Operating Temperature Regulator *(22 11 19 00-0218)*		
		Note: Includes high rate spring, temperature adjustment screw, temperature dial and remote bulb with 8' capillary tube.		
22 11 19 00-0242	EA	3/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,076.12	50.68
22 11 19 00-0243	EA	1" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,252.65	63.85
22 11 19 00-0244	EA	1-1/4" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,577.73	77.02
22 11 19 00-0245	EA	1-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	3,934.17	90.19
22 11 19 00-0246	EA	2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	4,686.85	118.58
22 11 19 00-0247	EA	2-1/2" Valve Size, Water Mixing/Self Operating Temperature Regulator (Powers #11 Type WM Regulator)	5,546.01	135.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0248		**Thermostatic Mixing Valves (Holby)** *(22 11 19 00-0218)*		
22 11 19 00-0249	EA	2-1/2" Thermostatic Mixing Valve (Holby HOLBY2500)	3,455.68	69.15
22 11 19 00-0250		**Backflow Preventer Valves** *(22 11 19)*		
22 11 19 00-0251		**Double Check Valve Backflow Preventer Assemblies** *(22 11 19 00-0250)*		
22 11 19 00-0252		**Threaded Double Check Valve Assemblies** *(22 11 19 00-0251)*		
22 11 19 00-0253		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0252)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and two epoxy coated bronze body check valves (Watts 007 QT or 719 QT series).		
22 11 19 00-0254	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT series)	330.89	27.16
		For Work In Restricted Working Space, Add	*20.37*	
		For Owner Furnished Material, Deduct	*-262.99*	
22 11 19 00-0255	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	393.17	38.51
		For Work In Restricted Working Space, Add	*28.88*	
		For Owner Furnished Material, Deduct	*-296.89*	
22 11 19 00-0256	EA	1"Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	454.40	47.03
		For Work In Restricted Working Space, Add	*35.27*	
		For Owner Furnished Material, Deduct	*-336.84*	
22 11 19 00-0257	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	631.70	54.73
		For Work In Restricted Working Space, Add	*41.05*	
		For Owner Furnished Material, Deduct	*-494.88*	
22 11 19 00-0258	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	780.08	62.83
		For Work In Restricted Working Space, Add	*46.82*	
		For Owner Furnished Material, Deduct	*-624.01*	
22 11 19 00-0259	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 007 QT or 719 QT Series)	902.28	81.07
		For Work In Restricted Working Space, Add	*60.81*	
		For Owner Furnished Material, Deduct	*-699.59*	
22 11 19 00-0260		**Double Check Valve Assemblies With Quarter Turn Shut-Offs And Strainer** *(22 11 19 00-0252)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, two epoxy coated bronze body check valves, and bronze strainer (Watts 007 QT-S or 719 QT-S series).		
22 11 19 00-0261	EA	1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	406.14	27.16
		For Work In Restricted Working Space, Add	*20.37*	
		For Owner Furnished Material, Deduct	*-338.24*	
22 11 19 00-0262	EA	3/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	503.38	38.51
		For Work In Restricted Working Space, Add	*28.88*	
		For Owner Furnished Material, Deduct	*-407.10*	
22 11 19 00-0263	EA	1" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	589.53	47.03
		For Work In Restricted Working Space, Add	*35.27*	
		For Owner Furnished Material, Deduct	*-471.97*	
22 11 19 00-0264	EA	1-1/4" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	824.23	54.73
		For Work In Restricted Working Space, Add	*41.05*	
		For Owner Furnished Material, Deduct	*-687.41*	
22 11 19 00-0265	EA	1-1/2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,006.84	62.83
		For Work In Restricted Working Space, Add	*46.82*	
		For Owner Furnished Material, Deduct	*-850.77*	
22 11 19 00-0266	EA	2" Threaded Double Check Valve Assembly With Quarter Turn Shut-offs And Strainer (Watts 007 QT-S or 719 QT-S)	1,215.35	81.07
		For Work In Restricted Working Space, Add	*60.81*	
		For Owner Furnished Material, Deduct	*-1,012.66*	
22 11 19 00-0267		**Flanged Double Check Valve Assemblies** *(22 11 19 00-0251)*		
22 11 19 00-0268		**Double Check Valve Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 NRS series).		
22 11 19 00-0269	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	4,240.76	224.01
		For Work In Restricted Working Space, Add	*89.61*	
		For Owner Furnished Material, Deduct	*-3,942.07*	
22 11 19 00-0270	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF007 NRS)	4,660.15	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-4,328.80*	
22 11 19 00-0271		**Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF007 OSY series).		
22 11 19 00-0272	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF007 OSY)	4,641.44	224.01
		For Work In Restricted Working Space, Add	*89.61*	
		For Owner Furnished Material, Deduct	*-4,342.75*	
22 11 19 00-0273	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 007 OSY)	5,327.96	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-4,996.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 11 19 00-0274 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 NRS series).

22 11 19 00-0275	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	4,269.64	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-3,970.97*	
22 11 19 00-0276	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	3,275.05	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-2,943.69*	
22 11 19 00-0277	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS series)	5,123.36	373.35
		For Work In Restricted Working Space, Add	*149.26*	
		For Owner Furnished Material, Deduct	*-4,625.82*	
22 11 19 00-0278	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	7,846.48	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-6,836.06*	
22 11 19 00-0279	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	17,772.34	839.01
		For Work In Restricted Working Space, Add	*454.76*	
		For Owner Furnished Material, Deduct	*-16,256.47*	
22 11 19 00-0280	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts LF709 NRS Series)	22,799.19	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-20,994.87*	

22 11 19 00-0281 Double Check Valve Assemblies With Non-Rising Stem Shut-Offs And Strainer *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, two epoxy coated iron body check valves, and iron body strainer (Watts 709 NRS-S series).

22 11 19 00-0282	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	5,969.55	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-5,472.05*	
22 11 19 00-0283	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	9,973.02	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-8,962.60*	
22 11 19 00-0284	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs And Strainer (Watts LF709 NRS-S-FDA Series)	26,427.07	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-24,622.75*	

22 11 19 00-0285 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and two epoxy coated iron body check valves (Watts LF709 OSY series).

22 11 19 00-0286	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	4,531.78	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-4,233.11*	
22 11 19 00-0287	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY series)	4,980.10	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-4,648.75*	
22 11 19 00-0288	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	5,430.32	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-4,932.82*	
22 11 19 00-0289	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	9,151.71	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-8,141.29*	
22 11 19 00-0290	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	18,856.07	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-17,340.44*	
22 11 19 00-0291	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts LF709 OSY Series)	24,197.83	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-22,393.51*	

22 11 19 00-0292 Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 OSY series).

22 11 19 00-0293	EA	2-1/2" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	2,720.82	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-2,422.15*	
22 11 19 00-0294	EA	3" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	2,995.86	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-2,664.51*	
22 11 19 00-0295	EA	4" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	3,404.36	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-2,906.86*	
22 11 19 00-0296	EA	6" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	5,555.71	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-4,545.29*	
22 11 19 00-0297	EA	8" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	10,502.05	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-8,986.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0298	EA	10" Flanged Double Check Valve Assembly With Outside Stem And Yoke Shut-offs (Watts 757 OSY Series)	11,420.42	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-9,616.10*	

22 11 19 00-0299 N-Pattern Double Check Valve Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N OSY series).

22 11 19 00-0300	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	3,580.25	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-3,281.58*	
22 11 19 00-0301	EA	3" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	3,855.29	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-3,523.94*	
22 11 19 00-0302	EA	4" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757 OSY Series)	4,840.50	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-4,343.00*	
22 11 19 00-0303	EA	6" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	7,959.87	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-6,949.45*	
22 11 19 00-0304	EA	8" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	14,065.26	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-12,549.63*	
22 11 19 00-0305	EA	10" N-Pattern Flanged Double Check Valve Assembly With Outside Stem And Yoke Shutoffs (Watts 757N OSY Series)	16,737.63	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-14,933.31*	

22 11 19 00-0306 Double Check Valve Assemblies With Non-Rising Stem Shut-Off Valves *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757 NRS series).

22 11 19 00-0307	EA	2-1/2" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	2,549.88	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-2,251.21*	
22 11 19 00-0308	EA	3" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	2,832.69	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-2,501.34*	
22 11 19 00-0309	EA	4" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	3,248.87	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-2,751.37*	
22 11 19 00-0310	EA	6" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS Series)	5,433.56	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-4,423.14*	
22 11 19 00-0311	EA	8" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	10,384.33	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-8,868.70*	
22 11 19 00-0312	EA	10" Flanged Double Check Valve Assembly With NRS Shut-offs (Watts 757 NRS series)	11,749.09	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-9,944.77*	

22 11 19 00-0313 N-Pattern Double Check Valve Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0267)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and single stainless steel housing and sleeve for two check valves (Watts 757N NRS series).

22 11 19 00-0314	EA	2-1/2" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,337.25	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-3,038.58*	
22 11 19 00-0315	EA	3" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	3,612.29	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-3,280.94*	
22 11 19 00-0316	EA	4" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	4,597.80	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-4,100.30*	
22 11 19 00-0317	EA	6" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	7,701.37	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-6,690.95*	
22 11 19 00-0318	EA	8" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	13,673.99	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-12,158.36*	
22 11 19 00-0319	EA	10" N-Pattern Flanged Double Check Valve Assembly With NRS Shutoffs (Watts 757 NRS series)	16,345.22	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-14,540.90*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0320		**Double Check Valve Assemblies With Butterfly Shut-Off Valves** *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757 BFG series).		
22 11 19 00-0321	EA	2-1/2" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	2,954.16	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-2,655.49*	
22 11 19 00-0322	EA	3" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,229.19	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-2,897.84*	
22 11 19 00-0323	EA	4" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	3,637.70	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-3,140.20*	
22 11 19 00-0324	EA	6" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,794.92	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-4,784.50*	
22 11 19 00-0325	EA	8" Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	10,741.26	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-9,225.63*	
22 11 19 00-0326		**N-Pattern Double Check Valve Assemblies With Butterfly Shut-Offs** *(22 11 19 00-0267)*		
		Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, and single stainless steel housing and sleeve for two check valves (Watts 757N BFG series).		
22 11 19 00-0327	EA	2-1/2" N-Pattern Flanged Double Check Assembly With Butterfly Valves (Watts 757 BFG series)	3,813.59	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-3,514.92*	
22 11 19 00-0328	EA	3" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	4,088.62	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-3,757.27*	
22 11 19 00-0329	EA	4" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	5,073.84	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-4,576.34*	
22 11 19 00-0330	EA	6" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	8,199.14	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-7,188.72*	
22 11 19 00-0331	EA	8" N-Pattern Flanged Double Check Valve Assembly With Butterfly Valves (Watts 757 BFG series)	10,741.26	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-9,225.63*	
22 11 19 00-0332		**Grooved Double Check Valve Assemblies** *(22 11 19 00-0251)*		
22 11 19 00-0333		**Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0332)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757 QT series).		
22 11 19 00-0334	EA	2-1/2" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	2,549.88	119.48
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-2,251.21*	
22 11 19 00-0335	EA	3" Grooved Double Check Valve Assembly With Quarter Turn Shut-offs (Watts 757 QT series)	2,832.69	132.54
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-2,501.34*	
22 11 19 00-0336		**N-Patten Double Check Valve Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0332)*		
		Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and single stainless steel housing and sleeve for two check valves (Watts 757N QT series).		
22 11 19 00-0337	EA	2-1/2" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	3,337.25	119.48
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-3,038.58*	
22 11 19 00-0338	EA	3" N-Pattern Grooved Double Check Valve Assembly With QT Shutoffs (Watts 757 QT series)	3,612.29	132.54
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-3,280.94*	
22 11 19 00-0339		**Reduced Pressure Zone Backflow Preventer Assemblies** *(22 11 19 00-0250)*		
22 11 19 00-0340		**Threaded Reduced Pressure Zone Assemblies** *(22 11 19 00-0339)*		
22 11 19 00-0341		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0340)*		
		Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 009 QT series).		
22 11 19 00-0342	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	364.66	23.51
		For Work In Restricted Working Space, Add	*17.63*	
		For Owner Furnished Material, Deduct	*-305.88*	
22 11 19 00-0343	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	385.60	25.94
		For Work In Restricted Working Space, Add	*19.46*	
		For Owner Furnished Material, Deduct	*-320.73*	
22 11 19 00-0344	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009 QT series)	447.83	27.16
		For Work In Restricted Working Space, Add	*20.37*	
		For Owner Furnished Material, Deduct	*-379.93*	
22 11 19 00-0345	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M3 QT series)	602.28	38.51
		For Work In Restricted Working Space, Add	*28.88*	
		For Owner Furnished Material, Deduct	*-506.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0346	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	715.13	47.03
		For Work In Restricted Working Space, Add	*35.27*	
		For Owner Furnished Material, Deduct	*-597.57*	
22 11 19 00-0347	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,074.23	54.73
		For Work In Restricted Working Space, Add	*41.05*	
		For Owner Furnished Material, Deduct	*-937.41*	
22 11 19 00-0348	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,137.57	62.83
		For Work In Restricted Working Space, Add	*46.82*	
		For Owner Furnished Material, Deduct	*-981.50*	
22 11 19 00-0349	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 009M2 QT series)	1,367.39	81.07
		For Work In Restricted Working Space, Add	*60.81*	
		For Owner Furnished Material, Deduct	*-1,164.70*	

22 11 19 00-0350 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 009 QT-S series).

22 11 19 00-0351	EA	1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	401.68	23.51
		For Work In Restricted Working Space, Add	*17.63*	
		For Owner Furnished Material, Deduct	*-342.90*	
22 11 19 00-0352	EA	3/8" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	424.62	25.94
		For Work In Restricted Working Space, Add	*19.46*	
		For Owner Furnished Material, Deduct	*-359.75*	
22 11 19 00-0353	EA	1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	501.31	38.51
		For Work In Restricted Working Space, Add	*20.37*	
		For Owner Furnished Material, Deduct	*-433.41*	
22 11 19 00-0354	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	686.32	38.51
		For Work In Restricted Working Space, Add	*28.88*	
		For Owner Furnished Material, Deduct	*-590.04*	
22 11 19 00-0355	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	820.22	47.03
		For Work In Restricted Working Space, Add	*35.27*	
		For Owner Furnished Material, Deduct	*-702.66*	
22 11 19 00-0356	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,217.54	54.73
		For Work In Restricted Working Space, Add	*41.05*	
		For Owner Furnished Material, Deduct	*-1,080.72*	
22 11 19 00-0357	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,339.82	62.83
		For Work In Restricted Working Space, Add	*46.82*	
		For Owner Furnished Material, Deduct	*-1,183.75*	
22 11 19 00-0358	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 009 QT-S series)	1,615.53	81.07
		For Work In Restricted Working Space, Add	*60.81*	
		For Owner Furnished Material, Deduct	*-1,412.84*	

22 11 19 00-0359 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 919 QT series).

22 11 19 00-0360	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	602.28	38.51
		For Work In Restricted Working Space, Add	*28.88*	
		For Owner Furnished Material, Deduct	*-506.00*	
22 11 19 00-0361	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	715.13	47.03
		For Work In Restricted Working Space, Add	*35.27*	
		For Owner Furnished Material, Deduct	*-597.57*	
22 11 19 00-0362	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,074.23	54.73
		For Work In Restricted Working Space, Add	*41.05*	
		For Owner Furnished Material, Deduct	*-937.41*	
22 11 19 00-0363	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,137.57	62.83
		For Work In Restricted Working Space, Add	*46.82*	
		For Owner Furnished Material, Deduct	*-981.50*	
22 11 19 00-0364	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 919 QT series)	1,367.39	81.07
		For Work In Restricted Working Space, Add	*60.81*	
		For Owner Furnished Material, Deduct	*-1,164.70*	

22 11 19 00-0365 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, and captured spring assemblies (Watts 909 QT series).

22 11 19 00-0366	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,226.51	38.51
		For Work In Restricted Working Space, Add	*28.88*	
		For Owner Furnished Material, Deduct	*-1,130.23*	
22 11 19 00-0367	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909QT)	1,452.34	47.03
		For Work In Restricted Working Space, Add	*35.27*	
		For Owner Furnished Material, Deduct	*-1,334.78*	
22 11 19 00-0368	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	2,227.94	54.73
		For Work In Restricted Working Space, Add	*41.05*	
		For Owner Furnished Material, Deduct	*-2,091.12*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0369	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts LF909M1QT)	2,409.88	62.83
		For Work In Restricted Working Space, Add	*46.82*	
		For Owner Furnished Material, Deduct	*-2,253.81*	
22 11 19 00-0370	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs (Watts 909M1QT)	2,798.99	81.07
		For Work In Restricted Working Space, Add	*60.81*	
		For Owner Furnished Material, Deduct	*-2,596.30*	

22 11 19 00-0371 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts LF909 QT-S series).

22 11 19 00-0372	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	1,646.64	38.51
		For Work In Restricted Working Space, Add	*28.88*	
		For Owner Furnished Material, Deduct	*-1,550.36*	
22 11 19 00-0373	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909QT-S)	1,957.90	47.03
		For Work In Restricted Working Space, Add	*35.27*	
		For Owner Furnished Material, Deduct	*-1,840.34*	
22 11 19 00-0374	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	2,978.39	54.73
		For Work In Restricted Working Space, Add	*41.05*	
		For Owner Furnished Material, Deduct	*-2,841.57*	
22 11 19 00-0375	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	3,254.51	62.83
		For Work In Restricted Working Space, Add	*46.82*	
		For Owner Furnished Material, Deduct	*-3,098.44*	
22 11 19 00-0376	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts LF909M1QT-S)	3,868.53	81.07
		For Work In Restricted Working Space, Add	*60.81*	
		For Owner Furnished Material, Deduct	*-3,665.84*	

22 11 19 00-0377 Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs And Strainer *(22 11 19 00-0340)*

Note: Includes ball type test cocks, two quarter-turn (QT) full port resilient seated bronze body ball valves, bronze strainer, and captured spring assemblies (Watts 919 QT-S series).

22 11 19 00-0378	EA	3/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	686.32	38.51
		For Work In Restricted Working Space, Add	*28.88*	
		For Owner Furnished Material, Deduct	*-590.04*	
22 11 19 00-0379	EA	1" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	820.22	47.03
		For Work In Restricted Working Space, Add	*35.27*	
		For Owner Furnished Material, Deduct	*-702.66*	
22 11 19 00-0380	EA	1-1/4" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,217.54	54.73
		For Work In Restricted Working Space, Add	*41.05*	
		For Owner Furnished Material, Deduct	*-1,080.72*	
22 11 19 00-0381	EA	1-1/2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,339.82	62.83
		For Work In Restricted Working Space, Add	*46.82*	
		For Owner Furnished Material, Deduct	*-1,183.75*	
22 11 19 00-0382	EA	2" Threaded Reduced Pressure Zone Assembly With Quarter Turn Shut-offs And Strainer (Watts 919QT-S series)	1,615.53	81.07
		For Work In Restricted Working Space, Add	*60.81*	
		For Owner Furnished Material, Deduct	*-1,412.84*	

22 11 19 00-0383 Flanged Reduced Pressure Zone Assemblies *(22 11 19 00-0339)*

22 11 19 00-0384 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 NRS series).

22 11 19 00-0385	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	3,904.86	224.01
		For Work In Restricted Working Space, Add	*89.61*	
		For Owner Furnished Material, Deduct	*-3,606.17*	
22 11 19 00-0386	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF009 NRS series)	4,399.01	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-4,067.66*	

22 11 19 00-0387 Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Strainer *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF009 NRS-S-FDA series).

22 11 19 00-0388	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	4,644.43	224.01
		For Work In Restricted Working Space, Add	*89.61*	
		For Owner Furnished Material, Deduct	*-4,345.74*	
22 11 19 00-0389	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF009 NRS-S-FDA series)	5,258.19	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-4,926.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0390		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs** *(22 11 19 00-0383)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF009 OSY series).		
22 11 19 00-0391	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	4,187.93	224.01
		For Work In Restricted Working Space, Add	*89.61*	
		For Owner Furnished Material, Deduct	*-3,889.24*	
22 11 19 00-0392	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF009 OSY series)	4,869.46	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-4,538.11*	
22 11 19 00-0393		**Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs And Strainer** *(22 11 19 00-0383)* Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies. (Watts LF009 OSY-S-FDA Series)		
22 11 19 00-0394	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	4,644.43	224.01
		For Work In Restricted Working Space, Add	*89.61*	
		For Owner Furnished Material, Deduct	*-4,345.74*	
22 11 19 00-0395	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs And Strainer (Watts LF009 OSY-S-FDA series)	5,258.19	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-4,926.84*	
22 11 19 00-0396		**Reduced Pressure Zone Assemblies With Quarter Turn Shut-Offs** *(22 11 19 00-0383)* Note: Includes ball type test cocks, two quarter turn (QT) resilient seated iron body ball valves, and captured spring assemblies (Watts LF009 QT-FDA series).		
22 11 19 00-0397	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	5,149.77	224.01
		For Work In Restricted Working Space, Add	*89.61*	
		For Owner Furnished Material, Deduct	*-4,851.08*	
22 11 19 00-0398	EA	3" Flanged Reduced Pressure Zone Assembly With QT Shut-offs (Watts LF009 QT-FDA series)	5,956.89	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-5,625.54*	
22 11 19 00-0399		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Offs** *(22 11 19 00-0383)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 NRS series).		
22 11 19 00-0400	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	6,666.78	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-6,368.11*	
22 11 19 00-0401	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	7,572.60	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-7,241.24*	
22 11 19 00-0402	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	9,549.84	373.35
		For Work In Restricted Working Space, Add	*149.26*	
		For Owner Furnished Material, Deduct	*-9,052.30*	
22 11 19 00-0403	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909 NRS series)	14,567.38	559.34
		For Work In Restricted Working Space, Add	*424.40*	
		For Owner Furnished Material, Deduct	*-13,152.70*	
22 11 19 00-0404	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	24,118.11	839.01
		For Work In Restricted Working Space, Add	*636.61*	
		For Owner Furnished Material, Deduct	*-21,996.09*	
22 11 19 00-0405	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs (Watts LF909M1 NRS series)	30,937.64	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-29,133.32*	
22 11 19 00-0406		**Reduced Pressure Zone Assemblies With Non-Rising Stem Shut-Off And Epoxy Coated Strainer** *(22 11 19 00-0383)* Note: Includes ball type test cocks, two non-rising stem (NRS) resilient seated iron body gate valves, iron body strainer, and captured spring assemblies (Watts LF909 NRS-S-FDA series).		
22 11 19 00-0407	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	7,180.09	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-6,881.42*	
22 11 19 00-0408	EA	3" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	8,112.82	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-7,781.47*	
22 11 19 00-0409	EA	4" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	10,378.08	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-9,880.58*	
22 11 19 00-0410	EA	6" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	15,722.15	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-14,711.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0411	EA	8" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	25,436.50	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-23,920.87*	
22 11 19 00-0412	EA	10" Flanged Reduced Pressure Zone Assembly With NRS Shut-offs And Strainer (Watts LF909 NRS-S-FDA series)	34,471.53	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-32,667.21*	

22 11 19 00-0413 Reduced Pressure Zone Assemblies With Outside Stem And Yoke Shut-Offs *(22 11 19 00-0383)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, and captured spring assemblies (Watts LF909 OSY series).

22 11 19 00-0414	EA	2-1/2" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	7,089.39	224.01
		For Work In Restricted Working Space, Add	*89.60*	
		For Owner Furnished Material, Deduct	*-6,790.72*	
22 11 19 00-0415	EA	3" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	8,057.01	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-7,725.65*	
22 11 19 00-0416	EA	4" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	10,151.87	373.35
		For Work In Restricted Working Space, Add	*149.26*	
		For Owner Furnished Material, Deduct	*-9,654.33*	
22 11 19 00-0417	EA	6" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909 OSY series)	15,040.72	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-14,030.30*	
22 11 19 00-0418	EA	8" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	24,978.80	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-23,463.17*	
22 11 19 00-0419	EA	10" Flanged Reduced Pressure Zone Assembly With Outside Stem And Yoke Shut-offs (Watts LF909M1 OSY series)	32,878.77	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-31,074.45*	

22 11 19 00-0420 Double Check Detector Assemblies *(22 11 19 00-0250)*

22 11 19 00-0421 Flanged Double Check Detector Assemblies With Meter *(22 11 19 00-0420)*

22 11 19 00-0422 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0421)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, two epoxy coated iron body check valves, and meter (Watts 709 DCDA OSY series).

22 11 19 00-0423	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	5,337.97	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-5,006.62*	
22 11 19 00-0424	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	5,620.29	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-5,122.79*	
22 11 19 00-0425	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	7,662.55	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-6,652.13*	
22 11 19 00-0426	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	13,539.73	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-12,024.10*	
22 11 19 00-0427	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 007 DCDA OSY series)	18,237.21	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-16,432.89*	

22 11 19 00-0428 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs And Meter *(22 11 19 00-0421)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA OSY series).

22 11 19 00-0429	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	4,007.77	224.01
		For Work In Restricted Working Space, Add	*89.61*	
		For Owner Furnished Material, Deduct	*-3,709.08*	
22 11 19 00-0430	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	4,282.54	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-3,951.19*	
22 11 19 00-0431	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	4,696.77	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-4,199.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0432	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	6,463.13	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-5,452.71*	
22 11 19 00-0433	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	11,371.89	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-9,856.26*	
22 11 19 00-0434	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs And Meter (Watts 757 DCDA OSY series)	13,413.68	992.37
		For Work In Restricted Working Space, Add	*541.30*	
		For Owner Furnished Material, Deduct	*-11,609.36*	

22 11 19 00-0435 Double Check Detector Assembly With Butterfly Valves And Meter *(22 11 19 00-0421)*

Note: Includes ball type test cocks, two resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves, and meter (Watts 757 DCDA BFG series).

22 11 19 00-0436	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,241.16	224.01
		For Work In Restricted Working Space, Add	*89.61*	
		For Owner Furnished Material, Deduct	*-3,942.47*	
22 11 19 00-0437	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,515.92	252.02
		For Work In Restricted Working Space, Add	*99.41*	
		For Owner Furnished Material, Deduct	*-4,184.57*	
22 11 19 00-0438	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	4,930.11	373.35
		For Work In Restricted Working Space, Add	*149.25*	
		For Owner Furnished Material, Deduct	*-4,432.61*	
22 11 19 00-0439	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	6,702.35	559.34
		For Work In Restricted Working Space, Add	*303.13*	
		For Owner Furnished Material, Deduct	*-5,691.93*	
22 11 19 00-0440	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves And Meter (Watts 757 DCDA BFG series)	11,084.89	839.01
		For Work In Restricted Working Space, Add	*454.69*	
		For Owner Furnished Material, Deduct	*-9,569.26*	

22 11 19 00-0441 Flanged Double Check Detector Assemblies Without Meter *(22 11 19 00-0420)*

22 11 19 00-0442 Double Check Detector Assembly With Outside Stem And Yoke Shut-Offs Less Meter *(22 11 19 00-0441)*

Note: Includes ball type test cocks, two outside stem and yoke resilient seated iron body gate valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA OSY LM series).

22 11 19 00-0443	EA	2-1/2" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	3,934.08	224.01
		For Work In Restricted Working Space, Add	*89.61*	
22 11 19 00-0444	EA	3" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,208.88	252.02
		For Work In Restricted Working Space, Add	*99.41*	
22 11 19 00-0445	EA	4" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	4,623.12	373.35
		For Work In Restricted Working Space, Add	*149.25*	
22 11 19 00-0446	EA	6" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	6,389.47	559.34
		For Work In Restricted Working Space, Add	*303.13*	
22 11 19 00-0447	EA	8" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	11,298.29	839.01
		For Work In Restricted Working Space, Add	*454.69*	
22 11 19 00-0448	EA	10" Flanged Double Check Detector Assembly With Outside Stem And Yoke Shut-offs Less Meter (Watts 757 DCDA OSY LM series)	13,339.97	992.37
		For Work In Restricted Working Space, Add	*541.30*	

22 11 19 00-0449 Double Check Detector Assembly With Butterfly Valves Less Meter *(22 11 19 00-0441)*

Note: Includes ball type test cocks, two butterfly resilient seated iron body butterfly valves, single stainless steel housing and sleeve for two check valves (Watts 757 DCDA BFG LM series).

22 11 19 00-0450	EA	2-1/2" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,167.45	224.01
		For Work In Restricted Working Space, Add	*89.61*	
22 11 19 00-0451	EA	3" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,442.21	252.02
		For Work In Restricted Working Space, Add	*99.41*	
22 11 19 00-0452	EA	4" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	4,856.45	373.35
		For Work In Restricted Working Space, Add	*149.25*	
22 11 19 00-0453	EA	6" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	6,628.64	559.34
		For Work In Restricted Working Space, Add	*303.13*	
22 11 19 00-0454	EA	8" Flanged Double Check Detector Assembly With Butterfly Valves Less Meter (Watts 757 DCDA BFG LM series)	11,537.50	839.01
		For Work In Restricted Working Space, Add	*454.69*	

22 11 19 00-0455 Backflow Preventer Accessories *(22 11 19 00-0250)*

22 11 19 00-0456 Air Gap *(22 11 19 00-0455)*

22 11 19 00-0457	EA	Up To 1" Diameter Air Gap For Backflow Preventer	95.32	12.67
22 11 19 00-0458	EA	1-1/4" To 2" Diameter Air Gap For Backflow Preventer	117.18	15.20
22 11 19 00-0459	EA	2-1/2" To 3" Diameter Air Gap For Backflow Preventer	217.15	20.27
22 11 19 00-0460	EA	4" To 6" Diameter Air Gap For Backflow Preventer	427.93	35.47
22 11 19 00-0461	EA	8" To 10" Diameter Air Gap For Backflow Preventer	458.34	50.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0462		**Brass Test Cocks** *(22 11 19 00-0455)*		
22 11 19 00-0463	EA	1/8" Or 1/4" Brass Test Cock	38.78	5.07
22 11 19 00-0464		**Backflow Valve Enclosures** *(22 11 19 00-0250)*		
22 11 19 00-0465		**Flip-Top, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0464)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0466	EA	19" Length x 11" Width x 22" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	803.81	91.21
		For Heated Enclosure, Add	*97.77*	
22 11 19 00-0467	EA	27" Length x 13" Width x 23" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	986.19	91.21
		For Heated Enclosure, Add	*125.13*	
22 11 19 00-0468	EA	27" Length x 13" Width x 35" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,246.95	84.00
		For Heated Enclosure, Add	*166.04*	
22 11 19 00-0469	EA	33" Length x 21" Width x 25" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,298.37	112.01
		For Heated Enclosure, Add	*166.75*	
22 11 19 00-0470	EA	39" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,360.22	112.01
		For Heated Enclosure, Add	*176.03*	
22 11 19 00-0471	EA	47" Length x 13" Width x 28" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,601.28	112.01
		For Heated Enclosure, Add	*212.19*	
22 11 19 00-0472	EA	39" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	1,607.62	112.01
		For Heated Enclosure, Add	*213.14*	
22 11 19 00-0473	EA	47" Length x 13" Width x 36" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	2,018.36	112.01
		For Heated Enclosure, Add	*274.75*	
22 11 19 00-0474	EA	70" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	4,639.58	168.01
		For Heated Enclosure, Add	*653.93*	
22 11 19 00-0475	EA	83" Length x 26" Width x 45" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,712.31	168.01
		For Heated Enclosure, Add	*964.84*	
22 11 19 00-0476	EA	70" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	6,379.28	168.01
		For Heated Enclosure, Add	*914.89*	
22 11 19 00-0477	EA	83" Length x 26" Width x 55" Height, Flip-Top, Insulated Fiberglass Valve Enclosure	7,680.37	196.01
		For Heated Enclosure, Add	*1,103.05*	
22 11 19 00-0478		**One-Piece Drop Over, Insulated Fiberglass Valve Enclosures** *(22 11 19 00-0464)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0479	EA	20" Length x 6-1/2" Width x 22" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	437.01	24.32
		For Heated Enclosure, Add	*79.29*	
22 11 19 00-0480	EA	27" Length x 14" Width x 26" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	605.11	24.32
		For Heated Enclosure, Add	*112.91*	
22 11 19 00-0481	EA	38-1/2" Length x 12" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	757.31	22.40
		For Heated Enclosure, Add	*144.00*	
22 11 19 00-0482	EA	47" Length x 13" Width x 28" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	1,141.10	22.40
		For Heated Enclosure, Add	*220.75*	
22 11 19 00-0483	EA	70" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,949.95	42.00
		For Heated Enclosure, Add	*575.99*	
22 11 19 00-0484	EA	83" Length x 26" Width x 45" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,023.58	42.00
		For Heated Enclosure, Add	*790.71*	
22 11 19 00-0485	EA	45" Length x 35" Width x 35" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	2,683.52	42.00
		For Heated Enclosure, Add	*522.70*	
22 11 19 00-0486	EA	53" Length x 44" Width x 44" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	3,035.59	42.00
		For Heated Enclosure, Add	*593.12*	
22 11 19 00-0487	EA	61" Length x 52" Width x 50" Height, One-Piece Drop Over, Insulated Fiberglass Valve Enclosure	4,743.57	42.00
		For Heated Enclosure, Add	*934.71*	
22 11 19 00-0488		**Lift-Off Lightweight Backflow Valve Enclosures With Recessed Locksheild Brackets** *(22 11 19 00-0464)*		
		Note: 1-1/2", 0.095" wall tubular steel framework with 1" x 1" x 1/8" angle iron, 1/2" #13 gauge diamond pattern rolled expanded metal, all welded construction. Excludes concrete pad.		
22 11 19 00-0489	EA	22" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures	549.97	91.21
		Note: BP-1		
22 11 19 00-0490	EA	30" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures	615.72	112.01
		Note: BP-2		
22 11 19 00-0491	EA	40" Length x 10" Width x 24" Height, Backflow Preventer Caged Enclosures	665.47	112.01
		Note: BP-3		
22 11 19 00-0492	EA	46" Length x 10" Width x 30" Height, Backflow Preventer Caged Enclosures	807.24	112.01
		Note: BP-4		
22 11 19 00-0493		**Sectional, Insulated Aluminum Valve Enclosures** *(22 11 19 00-0464)*		
		Note: Dimensions listed are inside dimensions. Includes anchor kit. Excludes concrete pad.		
22 11 19 00-0494	EA	70" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	6,032.21	182.43
		For Heated Enclosure, Add	*859.22*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0495	EA	83" Length x 26" Width x 55" Height, Sectional, Insulated Aluminum Valve Enclosure	6,645.94	182.43
		For Heated Enclosure, Add	*951.28*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0496	EA	53" Length x 33" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	4,714.11	168.01
		For Heated Enclosure, Add	*665.11*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0497	EA	53" Length x 44" Width x 44" Height, Sectional, Insulated Aluminum Valve Enclosure	5,167.67	168.01
		For Heated Enclosure, Add	*733.15*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0498	EA	90" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,017.46	224.01
		For Heated Enclosure, Add	*846.62*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0499	EA	102" Length x 32" Width x 50-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,743.79	224.01
		For Heated Enclosure, Add	*955.57*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0500	EA	90" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	6,743.79	224.01
		For Heated Enclosure, Add	*955.57*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0501	EA	102" Length x 32" Width x 57-1/2" Height, Sectional, Insulated Aluminum Valve Enclosure	7,447.92	224.01
		For Heated Enclosure, Add	*1,061.19*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0502	EA	62" Length x 39" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	5,596.54	196.01
		For Heated Enclosure, Add	*790.48*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0503	EA	62" Length x 53" Width x 46" Height, Sectional, Insulated Aluminum Valve Enclosure	6,551.90	224.01
		For Heated Enclosure, Add	*926.78*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0504	EA	105" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	7,650.91	224.01
		For Heated Enclosure, Add	*1,091.63*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0505	EA	125" Length x 36" Width x 53" Height, Sectional, Insulated Aluminum Valve Enclosure	8,397.40	238.01
		For Heated Enclosure, Add	*1,200.11*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0506	EA	105" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	8,613.82	258.44
		For Heated Enclosure, Add	*1,227.46*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0507	EA	125" Length x 36" Width x 64" Height, Sectional, Insulated Aluminum Valve Enclosure	9,546.27	273.64
		For Heated Enclosure, Add	*1,363.53*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0508	EA	105" Length x 36" Width x 80" Height, Sectional, Insulated Aluminum Valve Enclosure	9,873.39	252.02
		For Heated Enclosure, Add	*1,418.01*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0509	EA	72" Length x 45" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	7,175.15	224.01
		For Heated Enclosure, Add	*1,020.27*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0510	EA	72" Length x 45" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	7,646.15	224.01
		For Heated Enclosure, Add	*1,090.92*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0511	EA	72" Length x 65" Width x 52" Height, Sectional, Insulated Aluminum Valve Enclosure	8,649.56	238.01
		For Heated Enclosure, Add	*1,237.93*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0512	EA	72" Length x 65" Width x 60" Height, Sectional, Insulated Aluminum Valve Enclosure	10,477.61	252.02
		For Heated Enclosure, Add	*1,508.64*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0513	EA	118" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	9,147.06	112.01
		For Heated Enclosure, Add	*1,309.06*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0514	EA	142" Length x 40" Width x 58" Height, Sectional, Insulated Aluminum Valve Enclosure	10,986.22	112.01
		For Heated Enclosure, Add	*1,581.43*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0515	EA	118" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	10,623.06	168.01
		For Heated Enclosure, Add	*1,526.96*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0516	EA	142" Length x 40" Width x 74" Height, Sectional, Insulated Aluminum Valve Enclosure	12,323.79	168.01
		For Heated Enclosure, Add	*1,775.06*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 19 00-0517	EA	142" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	11,372.72	168.01
		For Heated Enclosure, Add	*1,635.90*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0518	EA	172" Length x 42" Width x 65" Height, Sectional, Insulated Aluminum Valve Enclosure	13,289.13	196.01
		For Heated Enclosure, Add	*1,916.37*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0519	EA	142" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	13,335.80	168.01
		For Heated Enclosure, Add	*1,916.37*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	
22 11 19 00-0520	EA	172" Length x 42" Width x 85" Height, Sectional, Insulated Aluminum Valve Enclosure	15,816.78	168.01
		For Heated Enclosure, Add	*2,281.51*	
		For One 24" Fluorescent Light Fixture, Add	*526.84*	
		For Two 24" Fluorescent Light Fixture, Add	*942.77*	

22 11 19 00-0521 Faucets (Hose Bibbs) *(22 11 19)*

22 11 19 00-0522 Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends *(22 11 19 00-0521)*

22 11 19 00-0523	EA	1/2", 125 LB Bronze Garden Hose Valves (Hose Bibbs), Screwed Ends	53.69	10.14
22 11 19 00-0524	EA	3/4" Faucet, Bronze Garden Hose Valve With Screwed Ends, 125#	62.21	11.15
22 11 19 00-0525	EA	3/4" Hose Valve With Screwed Ends And Vacuum Breaker, 125#	21.73	7.60

22 11 19 00-0526 Chrome Plated Brass Hose Valves, Screwed Ends *(22 11 19 00-0521)*

22 11 19 00-0527	EA	3/4" Hose Valve With Screwed Ends (Chicago Faucets #387-CP)	204.49	31.01

22 11 19 00-0528 Antisiphon Freezeless Wall Faucet *(22 11 19 00-0521)*

22 11 19 00-0529	EA	4" Long, 1/2" Antisiphon Freezeless Wall Faucet	147.31	25.34
22 11 19 00-0530	EA	6" Long, 1/2" Antisiphon Freezeless Wall Faucet	158.59	28.07
22 11 19 00-0531	EA	8" Long, 1/2" Antisiphon Freezeless Wall Faucet	167.33	29.69
22 11 19 00-0532	EA	10" Long, 1/2" Antisiphon Freezeless Wall Faucet	176.06	31.82
22 11 19 00-0533	EA	12" Long, 1/2" Antisiphon Freezeless Wall Faucet	184.91	33.74

22 11 19 00-0534 Keyed, Recessed Valve Boxes *(22 11 19)*

22 11 19 00-0535	EA	8" x 8" x 4" Painted Steel, Keyed, Recessed Valve Box	217.86	30.22
22 11 19 00-0536	EA	8" x 8" x 6" Painted Steel, Keyed, Recessed Valve Box	240.35	30.22
22 11 19 00-0537	EA	8" x 8" x 8" Painted Steel, Keyed, Recessed Valve Box	274.08	30.22
22 11 19 00-0538	EA	12" x 12" x 4" Painted Steel, Keyed, Recessed Valve Box	271.73	40.29
22 11 19 00-0539	EA	12" x 12" x 6" Painted Steel, Keyed, Recessed Valve Box	305.47	40.29
22 11 19 00-0540	EA	12" x 12" x 8" Painted Steel, Keyed, Recessed Valve Box	315.59	40.29
22 11 19 00-0541	EA	8" x 8" x 4" Stainless Steel, Keyed, Recessed Valve Box	253.84	30.22
22 11 19 00-0542	EA	8" x 8" x 6" Stainless Steel, Keyed, Recessed Valve Box	303.32	30.22
22 11 19 00-0543	EA	8" x 8" x 8" Stainless Steel, Keyed, Recessed Valve Box	347.18	30.22
22 11 19 00-0544	EA	12" x 12" x 4" Stainless Steel, Keyed, Recessed Valve Box	334.71	40.29
22 11 19 00-0545	EA	12" x 12" x 6" Stainless Steel, Keyed, Recessed Valve Box	378.56	40.29
22 11 19 00-0546	EA	12" x 12" x 8" Stainless Steel, Keyed, Recessed Valve Box	395.43	40.29

22 11 23 Domestic Water Pumps *(22 11)*

22 11 23 13 Domestic Water Packaged Booster Pumps And Tanks *(22 11 23)*

Note: Includes motor starter and controls.

22 11 23 13-0001 Simplex Domestic Water Packaged Booster Pumps And Tank *(22 11 23 13)*

22 11 23 13-0002	EA	1 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,044.20	298.69
22 11 23 13-0003	EA	1.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,412.29	401.36
22 11 23 13-0004	EA	2 HP Simplex Domestic Water Packaged Booster Pump And Tank	8,836.10	504.03
22 11 23 13-0005	EA	3 HP Simplex Domestic Water Packaged Booster Pump And Tank	9,232.04	606.70
22 11 23 13-0006	EA	5 HP Simplex Domestic Water Packaged Booster Pump And Tank	10,240.75	709.38
22 11 23 13-0007	EA	7.5 HP Simplex Domestic Water Packaged Booster Pump And Tank	11,388.74	812.05
22 11 23 13-0008	EA	10 HP Simplex Domestic Water Packaged Booster Pump And Tank	12,202.48	914.72

22 11 23 13-0009 Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

22 11 23 13-0010	EA	100 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	21,884.70	1,211.01
22 11 23 13-0011	EA	200 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	26,264.39	1,286.70
22 11 23 13-0012	EA	300 GPM Duplex Domestic Water Packaged Booster Pumps And Hydrocumulator	30,661.86	1,362.38

22 11 23 13-0013 Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator *(22 11 23 13)*

22 11 23 13-0014	EA	200 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	28,638.86	1,286.70
22 11 23 13-0015	EA	300 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	35,524.65	1,362.38
22 11 23 13-0016	EA	500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	44,055.65	1,513.76
22 11 23 13-0017	EA	750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	55,673.83	1,665.13
22 11 23 13-0018	EA	1,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	67,291.99	1,816.51
22 11 23 13-0019	EA	1,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	78,353.62	2,043.58

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0020	EA	2,500 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	89,415.25	2,270.64
22 11 23 13-0021	EA	3,750 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	100,476.87	2,497.70
22 11 23 13-0022	EA	5,000 GPM Triplex Domestic Water Packaged Booster Pumps And Hydrocumulator	111,727.71	2,800.45

22 11 23 13-0023 Variable Speed Duplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0024	EA	40 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-1)	27,503.90	1,353.61
22 11 23 13-0025	EA	40 GPM At 80 To 120 PSI, 80 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-2)	28,742.09	1,353.61
22 11 23 13-0026	EA	80 GPM At 80 PSI, 120 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-3)	30,511.32	1,353.61
22 11 23 13-0027	EA	80 GPM At 130 To 150 PSI, 120 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-4)	33,061.65	1,353.61
22 11 23 13-0028	EA	160 GPM At 40 To 50 PSI, 200 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-5)	31,264.62	1,438.21
22 11 23 13-0029	EA	160 GPM At 60 To 80 PSI, 200 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-6)	33,490.94	1,438.21
22 11 23 13-0030	EA	160 GPM At 90 To 110 PSI, 200 GPM At 80 To 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-7)	36,514.50	1,438.21
22 11 23 13-0031	EA	160 To 200 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-8)	38,972.06	1,438.21
22 11 23 13-0032	EA	240 To 280 GPM At 40 To 50 PSI , NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-9)	34,144.74	1,522.81
22 11 23 13-0033	EA	280 To 320 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-10)	36,342.83	1,522.81
22 11 23 13-0034	EA	240 To 320 GPM At 90 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-11)	41,257.96	1,522.81
22 11 23 13-0035	EA	240 To 320 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-12)	49,507.20	1,522.81
22 11 23 13-0036	EA	360 To 400 GPM At 40 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-13)	36,033.62	1,522.81
22 11 23 13-0037	EA	360 To 400 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-14)	40,517.20	1,522.81
22 11 23 13-0038	EA	360 To 400 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-15)	50,386.44	1,522.81
22 11 23 13-0039	EA	360 To 400 GPM At 120 To 140 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-16)	50,101.42	1,522.81
22 11 23 13-0040	EA	440 To 480 GPM At 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-17)	59,712.06	1,692.01
22 11 23 13-0041	EA	440 To 480 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-18)	41,226.56	1,692.01
22 11 23 13-0042	EA	440 To 480 GPM At 60 To 90 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-19)	50,213.88	1,692.01
22 11 23 13-0043	EA	440 To 480 GPM At 100 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-20)	49,930.21	1,692.01
22 11 23 13-0044	EA	440 To 600 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-21)	60,153.03	1,692.01
22 11 23 13-0045	EA	440 To 600 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Duplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV2-22)	72,657.29	1,692.01
22 11 23 13-0046	EA	60 GPM At 40 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-1)	34,645.35	1,353.61

22 11 23 13-0047 Variable Speed Triplex Domestic Water Pressure Booster Skid *(22 11 23 13)*

Note: AB1953 compliant, UL listed and labeled. Includes stainless steel headers with check, isolation, thermal relief valves, and start up support. The standard control package is integrated in a NEMA 1 enclosure and is outfitted with an individual VFD's which are controlled through a HOA and internally programmed PID logic for system control.

22 11 23 13-0048	EA	60 GPM At 80 To 130 PSI, 120 GPM At 50 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-2)	34,645.35	1,353.61
22 11 23 13-0049	EA	120 GPM At 100 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-3)	38,702.75	1,353.61
22 11 23 13-0050	EA	60 GPM At 140 To 150 PSI, 120 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-4)	42,203.57	1,353.61
22 11 23 13-0051	EA	180 GPM At 40 To 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-5)	38,914.25	1,438.21
22 11 23 13-0052	EA	180 GPM At 100 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-6)	42,390.87	1,438.21
22 11 23 13-0053	EA	240 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-7)	39,726.27	1,438.21
22 11 23 13-0054	EA	240 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-8)	42,714.87	1,438.21
22 11 23 13-0055	EA	240 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-9)	46,824.70	1,438.21
22 11 23 13-0056	EA	240 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-10)	50,231.41	1,438.21
22 11 23 13-0057	EA	300 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-11)	40,134.04	1,522.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 11 23 13-0058	EA	300 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-12)	43,122.64	1,522.81
22 11 23 13-0059	EA	300 GPM At80 To 100 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-13)	47,231.13	1,522.81
22 11 23 13-0060	EA	300 GPM At 110 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-14)	50,637.84	1,522.81
22 11 23 13-0061	EA	360 GPM At 40 To 60 PSI, 420 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-15)	43,495.04	1,522.81
22 11 23 13-0062	EA	360 GPM At 70 To 80 PSI, 420 GPM At 60 To 70 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-16)	46,365.34	1,522.81
22 11 23 13-0063	EA	360 GPM At 90 To 130 PSI, 420 GPM At 80 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-17)	53,457.05	1,522.81
22 11 23 13-0064	EA	360 GPM At140 To 150 PSI, 420 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-18)	65,029.64	1,522.81
22 11 23 13-0065	EA	480 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-19)	44,504.21	1,692.01
22 11 23 13-0066	EA	480 GPM At 50 To 70 PSI, 520 To 600 GPM At 40 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-20)	47,375.85	1,692.01
22 11 23 13-0067	EA	480 GPM At 80 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-21)	54,467.56	1,692.01
22 11 23 13-0068	EA	480 GPM At 120 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-22)	66,038.81	1,692.01
22 11 23 13-0069	EA	540 GPM At 40 PSI, 600 GPM At 40 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-23)	46,910.69	1,692.01
22 11 23 13-0070	EA	540 GPM At 50 To 90 PSI, 600 GPM At 50 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-24)	53,355.74	1,692.01
22 11 23 13-0071	EA	540 GPM At 100 To 110 PSI, 600 GPM At 90 To 110 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-25)	67,356.32	1,692.01
22 11 23 13-0072	EA	540 GPM At 120 To 130 PSI, 600 GPM At 120 To 130 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-26)	68,712.82	1,692.01
22 11 23 13-0073	EA	540 GPM At 140 To 150 PSI, 600 GPM At 140 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-27)	84,965.27	1,692.01
22 11 23 13-0074	EA	660 GPM At 40 To 50 PSI, 720 GPM At 40 To 50 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-28)	53,208.24	2,030.41
22 11 23 13-0075	EA	660 GPM At 60 To 90 PSI, 720,780,840,900 GPM At 60 To 80 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-29)	63,830.34	2,030.41
22 11 23 13-0076	EA	660, 720, 780 GPM At 100 PSI, 840 To 900 GPM At 90 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-30)	67,858.17	2,030.41
22 11 23 13-0077	EA	660, 720, 780, 840, 900 GPM At 110 To 120 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-31)	81,674.56	2,030.41
22 11 23 13-0078	EA	660, 720, 780, 840, 900 GPM At 130 To 150 PSI, NEMA 1, Variable Speed Triplex Domestic Water Pressure Booster Skid (FlowTherm Systems FMV3-32)	101,008.38	2,030.41

22 11 23 23 Domestic-Water In-Line Pumps *(22 11 23)*

22 11 23 23-0001 Bronze In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0002	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL30B)	723.14	168.01
22 11 23 23-0003	EA	1/6 HP, 3/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL36B)	739.27	168.01
22 11 23 23-0004	EA	1/6 HP, 1" To 1-1/4" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL45B)	770.72	171.27
22 11 23 23-0005	EA	1/6 HP, 1-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL50B)	842.34	178.28
22 11 23 23-0006	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PL75B)	1,419.65	184.93
22 11 23 23-0007	EA	1/6 HP, 2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2AB)	1,506.11	184.93
22 11 23 23-0008	EA	1/4 HP, 2-1/2" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2AB)	2,202.24	203.61
22 11 23 23-0009	EA	1/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G LD3 AB)	2,304.10	223.69
22 11 23 23-0010	EA	1/3 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G HD3 AB)	2,773.04	246.10
22 11 23 23-0011	EA	1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB35S)	2,847.17	270.85
22 11 23 23-0012	EA	3/4 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB37S)	3,114.52	297.47
22 11 23 23-0013	EA	1 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB38S)	4,396.99	327.36
22 11 23 23-0014	EA	1-1/2 HP, 3" Flanges, Bronze In-Line Centrifugal Domestic Water Booster Pump (B&G PDB40S)	5,042.59	343.23

22 11 23 23-0015 Cast Iron In-Line Centrifugal Domestic Water Booster Pumps *(22 11 23 23)*

Note: ODP motor.

22 11 23 23-0016	EA	1/12 HP, 3/4" To 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL30)	748.52	168.01
22 11 23 23-0017	EA	1/6 HP, 3/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL36)	1,176.27	168.01
22 11 23 23-0018	EA	1/6 HP, 1" To 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,183.02	171.27
22 11 23 23-0019	EA	1/6 HP, 1-1/4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL45)	1,204.00	175.01
22 11 23 23-0020	EA	1/6 HP, 1-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL50)	1,210.52	178.28
22 11 23 23-0021	EA	1/6 HP, 2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PL75)	1,235.56	184.93
22 11 23 23-0022	EA	1/4 HP, 2-1/2" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 2-1/2)	1,495.29	203.61
22 11 23 23-0023	EA	1/3 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G HD30)	1,918.28	246.10
22 11 23 23-0024	EA	1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD35S)	2,028.59	270.85
22 11 23 23-0025	EA	3/4 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD37S)	2,355.06	297.47
22 11 23 23-0026	EA	1 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD38S)	3,128.98	327.36
22 11 23 23-0027	EA	1-1/2 HP, 3" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G PD40S)	3,632.21	343.23
22 11 23 23-0028	EA	2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,295.58	360.52
22 11 23 23-0029	EA	3 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,548.65	396.29
22 11 23 23-0030	EA	5 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x7, BF)	3,898.72	420.28
22 11 23 23-0031	EA	7-1/2 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	4,882.82	466.98
22 11 23 23-0032	EA	10 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	5,222.71	560.47
22 11 23 23-0033	EA	15 HP, 4" Flanges, Cast Iron In-Line Centrifugal Domestic Water Booster Pump (B&G 80, 4x4x9-1/2, BF)	6,621.44	654.06

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 12 Facility Potable-Water Storage Tanks *(22 10)*

22 12 23 Facility Indoor Potable-Water Storage Tanks *(22 12)*

22 12 23 13 Facility Steel, Indoor Potable-Water Storage Pressure Tanks *(22 12 23)*

22 12 23 13-0001 Insulated Glass Lined Storage Tank (A.O. Smith TJ, TJV And TJH) *(22 12 23 13)*

22 12 23 13-0002	EA	80 Gallon ASME Rated Tank, 150PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJ-80A)	2,138.11	373.35
22 12 23 13-0003	EA	119 Gallon 150 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-120M)	2,649.11	466.69
22 12 23 13-0004	EA	140 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-140A)	4,864.89	513.36
22 12 23 13-0005	EA	200 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-200A)	5,379.49	560.03
22 12 23 13-0006	EA	250 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-250A)	10,650.16	606.70
22 12 23 13-0007	EA	350 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-350A)	9,186.12	653.37
22 12 23 13-0008	EA	400 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-400A)	15,739.08	700.04
22 12 23 13-0009	EA	500 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-500A)	14,511.26	746.71
22 12 23 13-0010	EA	750 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-750A)	15,763.06	793.38
22 12 23 13-0011	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Jacketed, Insulated, Glass Lined Water Heater Storage Tank (TJV-1000A)	18,774.05	840.05

22 12 23 13-0012 Uninsulated Glass Lined Storage Tank (A.O. Smith T) *(22 12 23 13)*

22 12 23 13-0013	EA	80 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-80S)	1,833.52	373.35
22 12 23 13-0014	EA	120 Gallon 150 PSA, Uninsulated, Glass Lined Water Storage Tank (T-120S)	3,507.00	466.69
22 12 23 13-0015	EA	140 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-140A)	4,380.47	513.36
22 12 23 13-0016	EA	200 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200S)	5,409.47	560.03
22 12 23 13-0017	EA	200 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-200A)	4,600.14	560.03
22 12 23 13-0018	EA	250 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-250A)	7,096.04	606.70
22 12 23 13-0019	EA	325 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-325A)	7,679.60	653.37
22 12 23 13-0020	EA	350 Gallon 150 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350S)	7,311.93	653.37
22 12 23 13-0021	EA	350 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-350A)	6,675.93	653.37
22 12 23 13-0022	EA	400 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-400A)	9,121.06	700.04
22 12 23 13-0023	EA	500 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-500A)	9,893.74	746.71
22 12 23 13-0024	EA	750 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-750A)	11,481.41	793.38
22 12 23 13-0025	EA	1,000 Gallon ASME Rated Tank, 125 PSI, Uninsulated, Glass Lined Water Storage Tank (T-1000A)	21,497.34	840.05

22 12 23 26 Facility Plastic, Indoor Potable-Water Storage Non-Pressure Tanks *(22 12 23)*

22 12 23 26-0001 Horizontal Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

Note: Excludes excavation and backfill.

22 12 23 26-0002	EA	100 Gallon Horizontal Non-Pressurized Polyethylene Tank	537.38	210.02
		For Saddle Assembly, Add	*593.07*	
22 12 23 26-0003	EA	150 Gallon Horizontal Non-Pressurized Polyethylene Tank	629.21	245.02
		For Saddle Assembly, Add	*593.07*	
22 12 23 26-0004	EA	200 Gallon Horizontal Non-Pressurized Polyethylene Tank	743.60	280.02
		For Saddle Assembly, Add	*669.83*	
22 12 23 26-0005	EA	300 Gallon Horizontal Non-Pressurized Polyethylene Tank	898.64	315.02
		For Saddle Assembly, Add	*969.35*	
22 12 23 26-0006	EA	335 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,070.23	350.02
		For Two Tie Down Bands, Add	*346.19*	
22 12 23 26-0007	EA	535 Gallon Horizontal Non-Pressurized Polyethylene Tank	1,391.00	477.81
		For Two Tie Down Bands, Add	*367.27*	
22 12 23 26-0008	EA	1,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,034.92	557.44
		For Three Tie Down Bands, Add	*618.63*	
22 12 23 26-0009	EA	1,335 Gallon Horizontal Non-Pressurized Polyethylene Tank	2,888.87	637.08
		For Three Tie Down Bands, Add	*623.14*	
22 12 23 26-0010	EA	1,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	3,583.55	716.71
		For Four Tie Down Bands, Add	*842.89*	
22 12 23 26-0011	EA	2,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	4,185.61	796.34
		For Four Tie Down Bands, Add	*1,149.94*	
22 12 23 26-0012	EA	2,635 Gallon Horizontal Non-Pressurized Polyethylene Tank	5,909.11	875.97
		For Four Tie Down Bands, Add	*1,487.09*	
22 12 23 26-0013	EA	3,135 Gallon Horizontal Non-Pressurized Polyethylene Tank	6,828.06	955.61
		For Four Tie Down Bands, Add	*1,601.48*	
22 12 23 26-0014	EA	4,035 Gallon Horizontal Non-Pressurized Polyethylene Tank	9,780.04	1,274.15
		For Four Tie Down Bands, Add	*1,800.15*	
22 12 23 26-0015	EA	5,025 Gallon Horizontal Non-Pressurized Polyethylene Tank	12,546.33	1,274.15
		For Five Tie Down Bands, Add	*2,799.57*	

22 12 23 26-0016 Vertical Non-Pressurized Polyethylene Tanks *(22 12 23 26)*

22 12 23 26-0017	EA	100 Gallon Vertical Non-Pressurized Polyethylene Tank	600.61	280.02
22 12 23 26-0018	EA	160 Gallon Vertical Non-Pressurized Polyethylene Tank	712.75	297.52
22 12 23 26-0019	EA	210 Gallon Vertical Non-Pressurized Polyethylene Tank	779.73	315.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 12 23 26-0020	EA	300 Gallon Vertical Non-Pressurized Polyethylene Tank	936.28	350.02
22 12 23 26-0021	EA	405 Gallon Vertical Non-Pressurized Polyethylene Tank	1,073.26	420.02
22 12 23 26-0022	EA	500 Gallon Vertical Non-Pressurized Polyethylene Tank	1,265.94	490.03
22 12 23 26-0023	EA	800 Gallon Vertical Non-Pressurized Polyethylene Tank	1,758.51	637.08
22 12 23 26-0024	EA	1,000 Gallon Vertical Non-Pressurized Polyethylene Tank	2,268.89	796.34
22 12 23 26-0025	EA	2,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,017.08	955.61
22 12 23 26-0026	EA	3,000 Gallon Vertical Non-Pressurized Polyethylene Tank	3,906.74	1,114.88
22 12 23 26-0027	EA	4,000 Gallon Vertical Non-Pressurized Polyethylene Tank	5,643.80	1,274.15
22 12 23 26-0028	EA	5,000 Gallon Vertical Non-Pressurized Polyethylene Tank	7,558.45	1,433.42
22 12 23 26-0029	EA	6,250 Gallon Vertical Non-Pressurized Polyethylene Tank	8,559.50	1,592.69
22 12 23 26-0030	EA	7,000 Gallon Vertical Non-Pressurized Polyethylene Tank	9,431.11	1,751.96
22 12 23 26-0031	EA	8,000 Gallon Vertical Non-Pressurized Polyethylene Tank	10,835.53	1,911.22
22 12 23 26-0032	EA	9,150 Gallon Vertical Non-Pressurized Polyethylene Tank	12,214.37	2,070.49
22 12 23 26-0033	EA	10,500 Gallon Vertical Non-Pressurized Polyethylene Tank	15,023.07	2,229.77
22 12 23 26-0034	EA	12,500 Gallon Vertical Non-Pressurized Polyethylene Tank	18,036.61	2,548.30

22 13 Facility Sanitary Sewerage *(22 10)*

22 13 13 Facility Sanitary Sewers *(22 13)*

22 13 13 00-0001 Fixture Rough-In *(22 13 13)*

Note: Excludes fixture. Not for use when individual component details are available, on remodeling work where partial pipe and fittings are installed or on residential projects. For use on commercial restrooms with multiple toilets, urinals and lavatories. Includes waste and vent pipe and fittings and domestic water supply pipe and fittings. Waste piping is included from fixture outlet tee to floor, vent piping is included from outlet tee within the wall to the ceiling and domestic water supply from ceiling to fixture and stub out with caps. Based on vertical floor to floor of 12'. Use detailed tasks (i.e. individual pipe and fittings, insulation, hangers, etc.) instead of rough-in assembly where possible.

22 13 13 00-0002 Single Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0003	EA	Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	884.41
22 13 13 00-0004	EA	Wall Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,165.36
22 13 13 00-0005	EA	Tank Type Floor Mounted Water Closet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	806.34
22 13 13 00-0006	EA	Wall Mounted Urinal, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	521.04
22 13 13 00-0007	EA	Wall Mounted Lavatory, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	613.98
22 13 13 00-0008	EA	Countertop Kitchen Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	784.84
22 13 13 00-0009	EA	Bathtub, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	833.73
22 13 13 00-0010	EA	Free Standing Water Cooler, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	504.09
22 13 13 00-0011	EA	Floor Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	806.34
22 13 13 00-0012	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	830.72
22 13 13 00-0013	EA	Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	784.03
22 13 13 00-0014	EA	Bidet, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	884.41
22 13 13 00-0015	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	1,385.09
22 13 13 00-0016	EA	Bathtub/Shower, Single Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	857.10

22 13 13 00-0017 Double Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0018	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	1,147.51
22 13 13 00-0019	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	1,561.88
22 13 13 00-0020	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	991.18
22 13 13 00-0021	EA	Wall Mounted Urinal, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	621.47
22 13 13 00-0022	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	837.21
22 13 13 00-0023	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	886.47

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0024	EA	Free Standing Water Cooler, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	588.21	
22 13 13 00-0025	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	1,000.49	
22 13 13 00-0026	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	874.48	
22 13 13 00-0027	EA	Shower, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	851.17	
22 13 13 00-0028	EA	Bidet, Double Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucets.	1,147.51	

22 13 13 00-0029 Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes cast iron waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0030	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	573.33	
22 13 13 00-0031	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	780.94	
22 13 13 00-0032	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture.	496.05	
22 13 13 00-0033	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste pipe and vent and copper domestic supply. Excludes fixture, carrier and flush valve.	311.20	
22 13 13 00-0034	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	418.62	
22 13 13 00-0035	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	443.22	
22 13 13 00-0036	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture.	317.44	
22 13 13 00-0037	EA	Rough-in Service Sink, Floor Mounted, Gang Mounted Fixture Including Cast Iron Waste Pipe And Vent And Copper Domestic Supply, Not Including Fixture Or Faucet Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	499.78	
22 13 13 00-0038	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	437.24	
22 13 13 00-0039	EA	Shower, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture, shower heads and faucets.	426.03	
22 13 13 00-0040	EA	Bidet, Gang Fixture Rough-In, Cast Iron Waste And Vent Pipe Note: Includes cast iron waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	566.77	

22 13 13 00-0041 Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Single fixtures have one fixture to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0042	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	435.22	
22 13 13 00-0043	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	424.04	
22 13 13 00-0044	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Tank Type, Floor Mounted, Water Closet Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	423.18	
22 13 13 00-0045	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Urinal Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	244.74	
22 13 13 00-0046	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Wall Mounted, Lavatory Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	285.89	
22 13 13 00-0047	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Countertop, Kitchen Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	403.05	
22 13 13 00-0048	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Bathtub Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	397.03	
22 13 13 00-0049	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Free Standing, Water Cooler Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	245.54	
22 13 13 00-0050	EA	Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe, Floor Mounted, Service Sink Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	423.18	
22 13 13 00-0051	EA	Wall Mounted Service Sink, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	457.28	
22 13 13 00-0052	EA	Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	416.34	
22 13 13 00-0053	EA	Bidet, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	435.11	
22 13 13 00-0054	EA	Floor Mounted Circular Wash Fountain, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	666.45	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 13 00-0055	EA	Bathtub/Shower, Single Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	417.45	

22 13 13 00-0056 Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Double fixtures have two "back-to-back" waste connections to one riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0057	EA	Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	508.97	
22 13 13 00-0058	EA	Wall Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	550.41	
22 13 13 00-0059	EA	Tank Type Floor Mounted Water Closet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	444.53	
22 13 13 00-0060	EA	Wall Mounted Urinal, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	260.08	
22 13 13 00-0061	EA	Wall Mounted Lavatory, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures, carrier and faucets.	404.21	
22 13 13 00-0062	EA	Countertop Kitchen Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures and faucets.	418.57	
22 13 13 00-0063	EA	Free Standing Water Cooler, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixtures.	258.39	
22 13 13 00-0064	EA	Floor Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	452.83	
22 13 13 00-0065	EA	Wall Mounted Service Sink, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	463.96	
22 13 13 00-0066	EA	Shower, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	443.12	
22 13 13 00-0067	EA	Bidet, Double Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	508.97	

22 13 13 00-0068 Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe *(22 13 13 00-0001)*

Note: Gang fixtures include multiple fixtures to one pipe riser. Includes PVC waste and vent pipe and fittings and copper domestic water supply pipe and fittings.

22 13 13 00-0069	EA	Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and flush valve.	254.11	
22 13 13 00-0070	EA	Wall Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	274.75	
22 13 13 00-0071	EA	Tank Type Floor Mounted Water Closet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	222.54	
22 13 13 00-0072	EA	Wall Mounted Urinal, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and flush valve.	130.08	
22 13 13 00-0073	EA	Wall Mounted Lavatory, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	202.08	
22 13 13 00-0074	EA	Countertop Kitchen Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	209.05	
22 13 13 00-0075	EA	Free Standing Water Cooler, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture.	129.18	
22 13 13 00-0076	EA	Floor Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	226.33	
22 13 13 00-0077	EA	Wall Mounted Service Sink, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, carrier and faucet.	232.01	
22 13 13 00-0078	EA	Shower, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture, shower head and faucet.	221.97	
22 13 13 00-0079	EA	Bidet, Gang Fixture Rough-In, Polyvinyl Chloride (PVC) Waste And Vent Pipe Note: Includes polyvinyl chloride (PVC) waste and vent pipe and copper domestic supply. Excludes fixture and faucet.	247.92	

22 13 16 Sanitary Waste and Vent Piping *(22 13)*

22 13 16 00-0001 Cast Iron Soil Pipe Assemblies *(22 13 16)*

22 13 16 00-0002 Underground Bell And Spigot Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings and gaskets. Fittings are assumed every 10'. Excludes excavation, backfill and compaction. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0003	LF	2" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	28.94	5.88
		For Work In Restricted Working Space, Add	*4.31*	
22 13 16 00-0004	LF	3" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	41.30	8.86
		For Work In Restricted Working Space, Add	*5.85*	
22 13 16 00-0005	LF	4" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	53.58	11.29
		For Work In Restricted Working Space, Add	*7.53*	
22 13 16 00-0006	LF	5" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	63.13	14.07
		For Work In Restricted Working Space, Add	*7.92*	
22 13 16 00-0007	LF	6" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	74.04	15.33
		For Work In Restricted Working Space, Add	*8.80*	
22 13 16 00-0008	LF	8" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	117.11	21.78
		For Work In Restricted Working Space, Add	*12.34*	
22 13 16 00-0009	LF	10" Underground Bell And Spigot Cast Iron Soil Pipe Assembly Note: Includes all fittings and gaskets. Excludes earthwork excavation, backfill and compaction. Not for use where detail is available.	171.20	21.78
		For Work In Restricted Working Space, Add	*13.97*	

22 13 16 00-0010 Aboveground No Hub Cast Iron Soil Pipe Assemblies *(22 13 16 00-0001)*

Note: Includes fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.

22 13 16 00-0011	LF	1-1/2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	26.61	5.60
		For Work In Restricted Working Space, Add	*4.92*	
22 13 16 00-0012	LF	2" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.20	5.97
		For Work In Restricted Working Space, Add	*5.28*	
22 13 16 00-0013	LF	3" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	36.01	8.68
		For Work In Restricted Working Space, Add	*6.48*	
22 13 16 00-0014	LF	4" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	42.78	11.29
		For Work In Restricted Working Space, Add	*7.75*	
22 13 16 00-0015	LF	5" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	56.80	13.80
		For Work In Restricted Working Space, Add	*9.37*	
22 13 16 00-0016	LF	6" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	63.99	15.07
		For Work In Restricted Working Space, Add	*10.21*	
22 13 16 00-0017	LF	8" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	99.70	21.60
		For Work In Restricted Working Space, Add	*14.06*	
22 13 16 00-0018	LF	10" Aboveground No Hub Cast Iron Soil Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 20'. Not for use where detail is available.	138.68	24.55
		For Work In Restricted Working Space, Add	*16.34*	

22 13 16 00-0019 Bell And Spigot Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service weight. ASTM A74 and CISPI 301 (Fitting Requirements).

22 13 16 00-0020 Bell And Spigot Cast Iron Pipe *(22 13 16 00-0019)*

Note: Excludes excavation, hangers, gaskets, and fittings.

22 13 16 00-0021	LF	2" Bell And Spigot Cast Iron Pipe	20.54	5.88
		For Extra Heavy Pipe, Add	*4.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.44*	
		For Work In Restricted Working Space, Add	*2.67*	
22 13 16 00-0022	LF	3" Bell And Spigot Cast Iron Pipe	30.03	8.86
		For Extra Heavy Pipe, Add	*7.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.67*	
		For Work In Restricted Working Space, Add	*4.00*	
22 13 16 00-0023	LF	4" Bell And Spigot Cast Iron Pipe	38.69	11.29
		For Extra Heavy Pipe, Add	*9.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*0.85*	
		For Work In Restricted Working Space, Add	*5.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0024	LF	5" Bell And Spigot Cast Iron Pipe	51.70	14.07
		For Extra Heavy Pipe, Add	*12.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.05*	
		For Work In Restricted Working Space, Add	*6.32*	
22 13 16 00-0025	LF	6" Bell And Spigot Cast Iron Pipe	60.29	15.33
		For Extra Heavy Pipe, Add	*15.68*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.15*	
		For Work In Restricted Working Space, Add	*6.89*	
22 13 16 00-0026	LF	8" Bell And Spigot Cast Iron Pipe	90.73	21.78
		For Extra Heavy Pipe, Add	*24.38*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.63*	
		For Work In Restricted Working Space, Add	*9.80*	
22 13 16 00-0027	LF	10" Bell And Spigot Cast Iron Pipe	133.42	24.55
		For Extra Heavy Pipe, Add	*40.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*1.84*	
		For Work In Restricted Working Space, Add	*11.03*	
22 13 16 00-0028	LF	12" Bell And Spigot Cast Iron Pipe	189.42	32.72
		For Extra Heavy Pipe, Add	*58.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.45*	
		For Work In Restricted Working Space, Add	*14.71*	
22 13 16 00-0029	LF	15" Bell And Spigot Cast Iron Pipe	264.04	39.25
		For Extra Heavy Pipe, Add	*86.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.65*	

22 13 16 00-0030 Bell And Spigot Cast Iron Fittings *(22 13 16 00-0019)*

22 13 16 00-0031 Bell And Spigot Cast Iron Long Sweeps *(22 13 16 00-0030)*

22 13 16 00-0032	EA	2" Bell And Spigot Cast Iron Long Sweep	94.22	26.78
		For Extra Heavy Fittings, Add	*18.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.01*	
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0033	EA	3" Bell And Spigot Cast Iron Long Sweep	160.16	33.69
		For Extra Heavy Fittings, Add	*38.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	
22 13 16 00-0034	EA	4" Bell And Spigot Cast Iron Long Sweep	213.38	44.80
		For Extra Heavy Fittings, Add	*51.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.36*	
		For Work In Restricted Working Space, Add	*20.15*	
22 13 16 00-0035	EA	6" Bell And Spigot Cast Iron Long Sweep	335.46	59.54
		For Extra Heavy Fittings, Add	*86.17*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.46*	
		For Work In Restricted Working Space, Add	*26.78*	
22 13 16 00-0036	EA	8" Bell And Spigot Cast Iron Long Sweep	664.03	76.67
		For Extra Heavy Fittings, Add	*192.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.47*	
22 13 16 00-0037	EA	10" Bell And Spigot Cast Iron Long Sweep	908.41	94.31
		For Extra Heavy Fittings, Add	*268.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.07*	
		For Work In Restricted Working Space, Add	*42.43*	
22 13 16 00-0038	EA	12" Bell And Spigot Cast Iron Long Sweep	1,393.18	131.64
		For Extra Heavy Fittings, Add	*418.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.87*	
		For Work In Restricted Working Space, Add	*59.21*	
22 13 16 00-0039	EA	15" Bell And Spigot Cast Iron Long Sweep	2,587.62	183.30
		For Extra Heavy Fittings, Add	*809.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.74*	
		For Work In Restricted Working Space, Add	*82.45*	

22 13 16 00-0040 Bell And Spigot Cast Iron Short Sweeps *(22 13 16 00-0030)*

22 13 16 00-0041	EA	2" Bell And Spigot Cast Iron Short Sweep	79.95	26.78
		For Extra Heavy Fittings, Add	*13.93*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.01*	
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0042	EA	3" Bell And Spigot Cast Iron Short Sweep	136.20	33.69
		For Extra Heavy Fittings, Add	*30.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	
22 13 16 00-0043	EA	4" Bell And Spigot Cast Iron Short Sweep	186.44	44.80
		For Extra Heavy Fittings, Add	*41.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.36*	
		For Work In Restricted Working Space, Add	*20.15*	
22 13 16 00-0044	EA	5" Bell And Spigot Cast Iron Short Sweep	282.12	50.61
		For Extra Heavy Fittings, Add	*72.19*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.79*	
		For Work In Restricted Working Space, Add	*22.76*	
22 13 16 00-0045	EA	6" Bell And Spigot Cast Iron Short Sweep	340.59	59.54
		For Extra Heavy Fittings, Add	*87.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.46*	
		For Work In Restricted Working Space, Add	*26.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0046	EA	8" Bell And Spigot Cast Iron Short Sweep	560.78	76.67
		For Extra Heavy Fittings, Add	*156.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.47*	
22 13 16 00-0047	EA	10" Bell And Spigot Cast Iron Short Sweep	820.31	94.31
		For Extra Heavy Fittings, Add	*237.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.07*	
		For Work In Restricted Working Space, Add	*42.43*	
22 13 16 00-0048	EA	12" Bell And Spigot Cast Iron Short Sweep	1,360.32	131.64
		For Extra Heavy Fittings, Add	*407.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.87*	
		For Work In Restricted Working Space, Add	*59.21*	

22 13 16 00-0049 Bell And Spigot Cast Iron 1/4 Bends *(22 13 16 00-0030)*

22 13 16 00-0050	EA	2" Bell And Spigot Cast Iron 1/4 Bend	71.84	26.69
		For Extra Heavy Fittings, Add	*11.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.00*	
		For Work In Restricted Working Space, Add	*12.02*	
22 13 16 00-0051	EA	3" Bell And Spigot Cast Iron 1/4 Bend	108.60	30.05
		For Extra Heavy Fittings, Add	*22.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.53*	
22 13 16 00-0052	EA	4" Bell And Spigot Cast Iron 1/4 Bend	155.36	40.04
		For Extra Heavy Fittings, Add	*33.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.00*	
		For Work In Restricted Working Space, Add	*18.01*	
22 13 16 00-0053	EA	5" Bell And Spigot Cast Iron 1/4 Bend	195.75	45.20
		For Extra Heavy Fittings, Add	*44.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.39*	
		For Work In Restricted Working Space, Add	*20.31*	
22 13 16 00-0054	EA	6" Bell And Spigot Cast Iron 1/4 Bend	235.47	54.13
		For Extra Heavy Fittings, Add	*53.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.37*	
22 13 16 00-0055	EA	8" Bell And Spigot Cast Iron 1/4 Bend	488.57	70.59
		For Extra Heavy Fittings, Add	*133.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.29*	
		For Work In Restricted Working Space, Add	*31.74*	
22 13 16 00-0056	EA	10" Bell And Spigot Cast Iron 1/4 Bend	720.64	85.67
		For Extra Heavy Fittings, Add	*207.27*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.42*	
		For Work In Restricted Working Space, Add	*38.53*	
22 13 16 00-0057	EA	12" Bell And Spigot Cast Iron 1/4 Bend	950.15	101.12
		For Extra Heavy Fittings, Add	*279.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.58*	
		For Work In Restricted Working Space, Add	*45.49*	
22 13 16 00-0058	EA	15" Bell And Spigot Cast Iron 1/4 Bend	2,428.58	159.49
		For Extra Heavy Fittings, Add	*766.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.95*	
		For Work In Restricted Working Space, Add	*71.72*	

22 13 16 00-0059 Bell And Spigot Cast Iron 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0060	EA	2" Bell And Spigot Cast Iron 1/8 Bend	65.52	26.78
		For Extra Heavy Fittings, Add	*8.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.01*	
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0061	EA	3" Bell And Spigot Cast Iron 1/8 Bend	102.81	33.69
		For Extra Heavy Fittings, Add	*18.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	
22 13 16 00-0062	EA	4" Bell And Spigot Cast Iron 1/8 Bend	146.60	44.80
		For Extra Heavy Fittings, Add	*27.81*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.36*	
		For Work In Restricted Working Space, Add	*20.15*	
22 13 16 00-0063	EA	5" Bell And Spigot Cast Iron 1/8 Bend	184.95	56.57
		For Extra Heavy Fittings, Add	*35.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.43*	
22 13 16 00-0064	EA	6" Bell And Spigot Cast Iron 1/8 Bend	213.88	63.06
		For Extra Heavy Fittings, Add	*41.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.73*	
		For Work In Restricted Working Space, Add	*28.38*	
22 13 16 00-0065	EA	8" Bell And Spigot Cast Iron 1/8 Bend	425.28	84.57
		For Extra Heavy Fittings, Add	*104.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.34*	
		For Work In Restricted Working Space, Add	*38.04*	
22 13 16 00-0066	EA	10" Bell And Spigot Cast Iron 1/8 Bend	594.87	104.34
		For Extra Heavy Fittings, Add	*153.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.82*	
		For Work In Restricted Working Space, Add	*46.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0067	EA	12" Bell And Spigot Cast Iron 1/8 Bend	961.39	135.31
		For Extra Heavy Fittings, Add	*265.50*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.14*	
		For Work In Restricted Working Space, Add	*60.84*	
22 13 16 00-0068	EA	15" Bell And Spigot Cast Iron 1/8 Bend	1,842.92	159.49
		For Extra Heavy Fittings, Add	*561.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.95*	
		For Work In Restricted Working Space, Add	*71.72*	

22 13 16 00-0069 Bell And Spigot Cast Iron Wyes *(22 13 16 00-0030)*

22 13 16 00-0070	EA	2" Bell And Spigot Cast Iron Wye	114.16	59.83
		For Extra Heavy Fittings, Add	*8.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.93*	
22 13 16 00-0071	EA	3" Bell And Spigot Cast Iron Wye	143.97	65.53
		For Extra Heavy Fittings, Add	*16.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0072	EA	4" Bell And Spigot Cast Iron Wye	189.56	85.87
		For Extra Heavy Fittings, Add	*21.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.44*	
		For Work In Restricted Working Space, Add	*38.61*	
22 13 16 00-0073	EA	5" Bell And Spigot Cast Iron Wye	247.37	97.35
		For Extra Heavy Fittings, Add	*35.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.30*	
		For Work In Restricted Working Space, Add	*43.79*	
22 13 16 00-0074	EA	6" Bell And Spigot Cast Iron Wye	310.40	115.38
		For Extra Heavy Fittings, Add	*48.08*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.65*	
		For Work In Restricted Working Space, Add	*51.91*	
22 13 16 00-0075	EA	8" Bell And Spigot Cast Iron Wye	568.42	154.43
		For Extra Heavy Fittings, Add	*117.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.58*	
		For Work In Restricted Working Space, Add	*69.47*	
22 13 16 00-0076	EA	10" Bell And Spigot Cast Iron Wye	797.32	175.21
		For Extra Heavy Fittings, Add	*187.14*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.13*	
		For Work In Restricted Working Space, Add	*78.79*	
22 13 16 00-0077	EA	12" Bell And Spigot Cast Iron Wye	1,179.92	213.27
		For Extra Heavy Fittings, Add	*301.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.99*	
		For Work In Restricted Working Space, Add	*95.92*	
22 13 16 00-0078	EA	15" Bell And Spigot Cast Iron Wye	1,831.65	239.28
		For Extra Heavy Fittings, Add	*515.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.94*	
		For Work In Restricted Working Space, Add	*107.62*	

22 13 16 00-0079 Bell And Spigot Cast Iron Reducing Wyes *(22 13 16 00-0030)*

22 13 16 00-0080	EA	3" x 2" Bell And Spigot Cast Iron Reducing Wye	181.57	62.53
		For Extra Heavy Fittings, Add	*30.73*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.13*	
22 13 16 00-0081	EA	4" x 2" Bell And Spigot Cast Iron Reducing Wye	220.97	77.29
		For Extra Heavy Fittings, Add	*36.77*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.80*	
		For Work In Restricted Working Space, Add	*34.78*	
22 13 16 00-0082	EA	4" x 3" Bell And Spigot Cast Iron Reducing Wye	246.76	79.24
		For Extra Heavy Fittings, Add	*44.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.66*	
22 13 16 00-0083	EA	6" x 2" Bell And Spigot Cast Iron Reducing Wye	368.07	103.38
		For Extra Heavy Fittings, Add	*74.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.48*	
22 13 16 00-0084	EA	6" x 3" Bell And Spigot Cast Iron Reducing Wye	377.62	105.28
		For Extra Heavy Fittings, Add	*76.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.89*	
		For Work In Restricted Working Space, Add	*47.36*	
22 13 16 00-0085	EA	6" x 4" Bell And Spigot Cast Iron Reducing Wye	395.24	112.32
		For Extra Heavy Fittings, Add	*79.39*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.42*	
		For Work In Restricted Working Space, Add	*50.52*	
22 13 16 00-0086	EA	8" x 2" Bell And Spigot Cast Iron Reducing Wye	581.51	124.19
		For Extra Heavy Fittings, Add	*138.37*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.31*	
		For Work In Restricted Working Space, Add	*55.85*	
22 13 16 00-0087	EA	8" x 3" Bell And Spigot Cast Iron Reducing Wye	607.89	126.58
		For Extra Heavy Fittings, Add	*146.36*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.49*	
		For Work In Restricted Working Space, Add	*56.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0088	EA	8" x 4" Bell And Spigot Cast Iron Reducing Wye	622.50	132.56
		For Extra Heavy Fittings, Add	*148.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.63*	
22 13 16 00-0089	EA	8" x 6" Bell And Spigot Cast Iron Reducing Wye	735.70	147.45
		For Extra Heavy Fittings, Add	*180.11*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.06*	
		For Work In Restricted Working Space, Add	*66.33*	
22 13 16 00-0090	EA	10" x 3" Bell And Spigot Cast Iron Reducing Wye	907.99	138.16
		For Extra Heavy Fittings, Add	*245.29*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.36*	
		For Work In Restricted Working Space, Add	*62.15*	
22 13 16 00-0091	EA	10" x 4" Bell And Spigot Cast Iron Reducing Wye	944.52	144.23
		For Extra Heavy Fittings, Add	*254.88*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.81*	
		For Work In Restricted Working Space, Add	*64.89*	
22 13 16 00-0092	EA	10" x 6" Bell And Spigot Cast Iron Reducing Wye	1,033.29	159.49
		For Extra Heavy Fittings, Add	*277.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.95*	
		For Work In Restricted Working Space, Add	*71.72*	
22 13 16 00-0093	EA	10" x 8" Bell And Spigot Cast Iron Reducing Wye	1,367.00	169.14
		For Extra Heavy Fittings, Add	*389.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.68*	
		For Work In Restricted Working Space, Add	*76.08*	
22 13 16 00-0094	EA	12" x 4" Bell And Spigot Cast Iron Reducing Wye	1,407.09	169.14
		For Extra Heavy Fittings, Add	*403.73*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.68*	
		For Work In Restricted Working Space, Add	*76.08*	
22 13 16 00-0095	EA	12" x 6" Bell And Spigot Cast Iron Reducing Wye	1,464.36	183.30
		For Extra Heavy Fittings, Add	*416.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.74*	
		For Work In Restricted Working Space, Add	*82.45*	
22 13 16 00-0096	EA	12" x 8" Bell And Spigot Cast Iron Reducing Wye	1,720.00	192.40
		For Extra Heavy Fittings, Add	*501.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.42*	
		For Work In Restricted Working Space, Add	*86.52*	
22 13 16 00-0097	EA	12" x 10" Bell And Spigot Cast Iron Reducing Wye	2,091.47	198.10
		For Extra Heavy Fittings, Add	*628.06*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.85*	
		For Work In Restricted Working Space, Add	*89.10*	
22 13 16 00-0098	EA	15" x 4" Bell And Spigot Cast Iron Reducing Wye	3,460.94	186.79
		For Extra Heavy Fittings, Add	*1,113.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.00*	
		For Work In Restricted Working Space, Add	*84.02*	
22 13 16 00-0099	EA	15" x 6" Bell And Spigot Cast Iron Reducing Wye	3,611.91	202.14
		For Extra Heavy Fittings, Add	*1,158.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.16*	
		For Work In Restricted Working Space, Add	*90.94*	
22 13 16 00-0100	EA	15" x 8" Bell And Spigot Cast Iron Reducing Wye	3,685.85	210.87
		For Extra Heavy Fittings, Add	*1,179.39*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.81*	
		For Work In Restricted Working Space, Add	*94.85*	
22 13 16 00-0101	EA	15" x 10" Bell And Spigot Cast Iron Reducing Wye	3,771.63	218.05
		For Extra Heavy Fittings, Add	*1,205.67*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.34*	
		For Work In Restricted Working Space, Add	*98.06*	
22 13 16 00-0102	EA	15" x 12" Bell And Spigot Cast Iron Reducing Wye	3,866.81	230.73
		For Extra Heavy Fittings, Add	*1,232.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.30*	
		For Work In Restricted Working Space, Add	*103.77*	

22 13 16 00-0103 Bell And Spigot Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0104	EA	2" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	124.61	59.83
		For Extra Heavy Fittings, Add	*12.20*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.93*	
22 13 16 00-0105	EA	3" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	150.42	65.53
		For Extra Heavy Fittings, Add	*18.26*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0106	EA	4" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	200.77	85.87
		For Extra Heavy Fittings, Add	*25.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.44*	
		For Work In Restricted Working Space, Add	*38.61*	
22 13 16 00-0107	EA	5" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	283.63	102.12
		For Extra Heavy Fittings, Add	*45.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.65*	
		For Work In Restricted Working Space, Add	*45.92*	
22 13 16 00-0108	EA	6" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	355.21	126.66
		For Extra Heavy Fittings, Add	*57.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.49*	
		For Work In Restricted Working Space, Add	*56.96*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0109	EA	8" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	651.77	166.29
		For Extra Heavy Fittings, Add	*140.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.46*	
		For Work In Restricted Working Space, Add	*74.79*	
22 13 16 00-0110	EA	10" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	940.91	218.05
		For Extra Heavy Fittings, Add	*214.92*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.34*	
		For Work In Restricted Working Space, Add	*98.06*	
22 13 16 00-0111	EA	12" Bell And Spigot Cast Iron Combination Wye And 1/8 Bend	1,261.70	280.28
		For Extra Heavy Fittings, Add	*294.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.01*	
		For Work In Restricted Working Space, Add	*126.07*	

22 13 16 00-0112 Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0113	EA	3" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	132.91	62.53
		For Extra Heavy Fittings, Add	*13.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.13*	
22 13 16 00-0114	EA	4" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	187.79	77.29
		For Extra Heavy Fittings, Add	*25.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.80*	
		For Work In Restricted Working Space, Add	*34.78*	
22 13 16 00-0115	EA	4" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	202.96	79.24
		For Extra Heavy Fittings, Add	*29.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.94*	
		For Work In Restricted Working Space, Add	*35.66*	
22 13 16 00-0116	EA	6" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	305.27	103.38
		For Extra Heavy Fittings, Add	*52.62*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.48*	
22 13 16 00-0117	EA	6" x 3" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	318.00	105.28
		For Extra Heavy Fittings, Add	*56.04*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.89*	
		For Work In Restricted Working Space, Add	*47.36*	
22 13 16 00-0118	EA	6" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	337.07	112.32
		For Extra Heavy Fittings, Add	*59.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.42*	
		For Work In Restricted Working Space, Add	*50.52*	
22 13 16 00-0119	EA	8" x 2" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	464.85	124.19
		For Extra Heavy Fittings, Add	*97.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.31*	
		For Work In Restricted Working Space, Add	*55.85*	
22 13 16 00-0120	EA	8" x 4" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	477.42	132.56
		For Extra Heavy Fittings, Add	*97.53*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.63*	
22 13 16 00-0121	EA	8" x 6" Bell And Spigot Cast Iron Reducing Combination Wye And 1/8 Bend	603.68	147.45
		For Extra Heavy Fittings, Add	*133.90*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.06*	
		For Work In Restricted Working Space, Add	*66.33*	

22 13 16 00-0122 Bell And Spigot Cast Iron Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0123	EA	2" Bell And Spigot Cast Iron Double Wye	203.71	71.59
		For Extra Heavy Fittings, Add	*33.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.36*	
		For Work In Restricted Working Space, Add	*32.19*	
22 13 16 00-0124	EA	3" Bell And Spigot Cast Iron Double Wye	297.16	90.25
		For Extra Heavy Fittings, Add	*56.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.76*	
		For Work In Restricted Working Space, Add	*40.58*	
22 13 16 00-0125	EA	4" Bell And Spigot Cast Iron Double Wye	403.63	114.15
		For Extra Heavy Fittings, Add	*81.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.56*	
		For Work In Restricted Working Space, Add	*51.36*	
22 13 16 00-0126	EA	6" Bell And Spigot Cast Iron Double Wye	781.39	177.27
		For Extra Heavy Fittings, Add	*180.46*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.29*	
		For Work In Restricted Working Space, Add	*79.74*	
22 13 16 00-0127	EA	8" Bell And Spigot Cast Iron Double Wye	1,567.94	208.76
		For Extra Heavy Fittings, Add	*439.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.65*	
		For Work In Restricted Working Space, Add	*93.88*	
22 13 16 00-0128	EA	10" Bell And Spigot Cast Iron Double Wye	2,079.19	233.58
		For Extra Heavy Fittings, Add	*605.15*	
		For Above Ground Cast Iron Pipe Installation, Add	*17.51*	
		For Work In Restricted Working Space, Add	*105.06*	
22 13 16 00-0129	EA	12" Bell And Spigot Cast Iron Double Wye	1,438.08	280.28
		For Extra Heavy Fittings, Add	*356.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*21.01*	
		For Work In Restricted Working Space, Add	*126.07*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0130	EA	15" Bell And Spigot Cast Iron Double Wye	4,070.19	294.16
		For Extra Heavy Fittings, Add	*1,270.13*	
		For Above Ground Cast Iron Pipe Installation, Add	*22.06*	
		For Work In Restricted Working Space, Add	*132.38*	

22 13 16 00-0131 Bell And Spigot Cast Iron Reducing Double Wyes *(22 13 16 00-0030)*

22 13 16 00-0132	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Wye	183.85	84.66
		For Extra Heavy Fittings, Add	*19.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.35*	
		For Work In Restricted Working Space, Add	*38.09*	
22 13 16 00-0133	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Wye	213.69	97.26
		For Extra Heavy Fittings, Add	*23.75*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.75*	
22 13 16 00-0134	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Wye	231.63	102.02
		For Extra Heavy Fittings, Add	*27.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.65*	
		For Work In Restricted Working Space, Add	*45.91*	
22 13 16 00-0135	EA	6" x 2" Bell And Spigot Cast Iron Reducing Double Wye	301.66	122.97
		For Extra Heavy Fittings, Add	*41.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.22*	
		For Work In Restricted Working Space, Add	*55.30*	
22 13 16 00-0136	EA	6" x 3" Bell And Spigot Cast Iron Reducing Double Wye	319.85	127.66
		For Extra Heavy Fittings, Add	*44.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.57*	
		For Work In Restricted Working Space, Add	*57.41*	
22 13 16 00-0137	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Wye	368.24	139.21
		For Extra Heavy Fittings, Add	*55.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.43*	
		For Work In Restricted Working Space, Add	*62.61*	
22 13 16 00-0138	EA	8" x 4" Bell And Spigot Cast Iron Reducing Double Wye	595.38	160.87
		For Extra Heavy Fittings, Add	*123.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.06*	
		For Work In Restricted Working Space, Add	*72.33*	
22 13 16 00-0139	EA	8" x 6" Bell And Spigot Cast Iron Reducing Double Wye	648.03	190.37
		For Extra Heavy Fittings, Add	*126.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.27*	
		For Work In Restricted Working Space, Add	*85.65*	
22 13 16 00-0140	EA	10" x 4" Bell And Spigot Cast Iron Reducing Double Wye	634.23	172.08
		For Extra Heavy Fittings, Add	*131.67*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.90*	
		For Work In Restricted Working Space, Add	*77.41*	
22 13 16 00-0141	EA	10" x 6" Bell And Spigot Cast Iron Reducing Double Wye	739.11	202.14
		For Extra Heavy Fittings, Add	*152.59*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.16*	
		For Work In Restricted Working Space, Add	*90.94*	
22 13 16 00-0142	EA	10" x 8" Bell And Spigot Cast Iron Reducing Double Wye	911.69	220.34
		For Extra Heavy Fittings, Add	*203.46*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.52*	
		For Work In Restricted Working Space, Add	*99.11*	
22 13 16 00-0143	EA	12" x 6" Bell And Spigot Cast Iron Reducing Double Wye	931.20	225.40
		For Extra Heavy Fittings, Add	*207.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*16.90*	
		For Work In Restricted Working Space, Add	*101.39*	
22 13 16 00-0144	EA	12" x 8" Bell And Spigot Cast Iron Reducing Double Wye	1,191.70	245.25
		For Extra Heavy Fittings, Add	*288.40*	
		For Above Ground Cast Iron Pipe Installation, Add	*18.39*	
		For Work In Restricted Working Space, Add	*110.31*	

22 13 16 00-0145 Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

22 13 16 00-0146	EA	2" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	169.15	71.59
		For Extra Heavy Fittings, Add	*21.65*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.36*	
		For Work In Restricted Working Space, Add	*32.19*	
22 13 16 00-0147	EA	3" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	227.84	95.77
		For Extra Heavy Fittings, Add	*29.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.18*	
		For Work In Restricted Working Space, Add	*43.08*	
22 13 16 00-0148	EA	4" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	298.05	119.75
		For Extra Heavy Fittings, Add	*41.49*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.98*	
		For Work In Restricted Working Space, Add	*53.85*	
22 13 16 00-0149	EA	6" Bell And Spigot Cast Iron Double Combination Wye And 1/8 Bend	664.57	198.12
		For Extra Heavy Fittings, Add	*128.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.85*	
		For Work In Restricted Working Space, Add	*89.12*	

22 13 16 00-0150 Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0030)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0151	EA	3" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	226.49	85.87
		For Extra Heavy Fittings, Add	*34.22*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.44*	
		For Work In Restricted Working Space, Add	*38.61*	
22 13 16 00-0152	EA	4" x 2" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	269.04	97.26
		For Extra Heavy Fittings, Add	*43.12*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.29*	
		For Work In Restricted Working Space, Add	*43.75*	
22 13 16 00-0153	EA	4" x 3" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	302.11	108.28
		For Extra Heavy Fittings, Add	*48.94*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.11*	
		For Work In Restricted Working Space, Add	*48.68*	
22 13 16 00-0154	EA	6" x 4" Bell And Spigot Cast Iron Reducing Double Combination Wye And 1/8 Bend	613.92	147.78
		For Extra Heavy Fittings, Add	*137.32*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.08*	
		For Work In Restricted Working Space, Add	*66.47*	

22 13 16 00-0155 Bell And Spigot Cast Iron Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0156	EA	2" Bell And Spigot Cast Iron Sanitary Tee	138.04	59.92
		For Extra Heavy Fittings, Add	*16.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.95*	
22 13 16 00-0157	EA	3" Bell And Spigot Cast Iron Sanitary Tee	157.12	65.53
		For Extra Heavy Fittings, Add	*20.60*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0158	EA	4" Bell And Spigot Cast Iron Sanitary Tee	254.39	80.27
		For Extra Heavy Fittings, Add	*46.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.02*	
		For Work In Restricted Working Space, Add	*36.12*	
22 13 16 00-0159	EA	5" Bell And Spigot Cast Iron Sanitary Tee	373.58	90.04
		For Extra Heavy Fittings, Add	*83.48*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.75*	
		For Work In Restricted Working Space, Add	*40.52*	
22 13 16 00-0160	EA	6" Bell And Spigot Cast Iron Sanitary Tee	448.15	107.99
		For Extra Heavy Fittings, Add	*100.18*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.10*	
		For Work In Restricted Working Space, Add	*48.58*	
22 13 16 00-0161	EA	8" Bell And Spigot Cast Iron Sanitary Tee	965.17	141.11
		For Extra Heavy Fittings, Add	*263.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.58*	
		For Work In Restricted Working Space, Add	*63.47*	
22 13 16 00-0162	EA	10" Bell And Spigot Cast Iron Sanitary Tee	1,451.62	172.08
		For Extra Heavy Fittings, Add	*417.76*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.90*	
		For Work In Restricted Working Space, Add	*77.41*	
22 13 16 00-0163	EA	12" Bell And Spigot Cast Iron Sanitary Tee	2,167.62	202.14
		For Extra Heavy Fittings, Add	*652.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*15.16*	
		For Work In Restricted Working Space, Add	*90.94*	

22 13 16 00-0164 Bell And Spigot Cast Iron Reducing Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0165	EA	3" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	186.14	62.53
		For Extra Heavy Fittings, Add	*32.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.69*	
		For Work In Restricted Working Space, Add	*28.13*	
22 13 16 00-0166	EA	4" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	220.44	73.27
		For Extra Heavy Fittings, Add	*38.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.49*	
		For Work In Restricted Working Space, Add	*32.94*	
22 13 16 00-0167	EA	4" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	231.10	73.27
		For Extra Heavy Fittings, Add	*42.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.49*	
		For Work In Restricted Working Space, Add	*32.94*	
22 13 16 00-0168	EA	6" x 2" Bell And Spigot Cast Iron Reducing Sanitary Tee	353.86	103.38
		For Extra Heavy Fittings, Add	*69.63*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.75*	
		For Work In Restricted Working Space, Add	*46.48*	
22 13 16 00-0169	EA	6" x 3" Bell And Spigot Cast Iron Reducing Sanitary Tee	368.48	105.28
		For Extra Heavy Fittings, Add	*73.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.89*	
		For Work In Restricted Working Space, Add	*47.36*	
22 13 16 00-0170	EA	6" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	399.81	112.32
		For Extra Heavy Fittings, Add	*80.99*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.42*	
		For Work In Restricted Working Space, Add	*50.52*	
22 13 16 00-0171	EA	8" x 4" Bell And Spigot Cast Iron Reducing Sanitary Tee	682.89	132.56
		For Extra Heavy Fittings, Add	*169.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0172	EA	8" x 6" Bell And Spigot Cast Iron Reducing Sanitary Tee	858.00	147.45
		For Extra Heavy Fittings, Add	*222.91*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.06*	
		For Work In Restricted Working Space, Add	*66.33*	

22 13 16 00-0173 Bell And Spigot Cast Iron Vent Tees *(22 13 16 00-0030)*

22 13 16 00-0174	EA	2" Bell And Spigot Cast Iron Vent Tee	117.92	59.83
		For Extra Heavy Fittings, Add	*9.86*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.93*	
22 13 16 00-0175	EA	3" Bell And Spigot Cast Iron Vent Tee	147.27	65.53
		For Extra Heavy Fittings, Add	*17.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0176	EA	4" Bell And Spigot Cast Iron Vent Tee	195.14	85.87
		For Extra Heavy Fittings, Add	*23.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.44*	
		For Work In Restricted Working Space, Add	*38.61*	
22 13 16 00-0177	EA	5" Bell And Spigot Cast Iron Vent Tee	252.17	102.12
		For Extra Heavy Fittings, Add	*34.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.65*	
		For Work In Restricted Working Space, Add	*45.92*	
22 13 16 00-0178	EA	6" Bell And Spigot Cast Iron Vent Tee	317.55	126.66
		For Extra Heavy Fittings, Add	*44.69*	
		For Above Ground Cast Iron Pipe Installation, Add	*9.49*	
		For Work In Restricted Working Space, Add	*56.96*	
22 13 16 00-0179	EA	8" Bell And Spigot Cast Iron Vent Tee	546.42	166.29
		For Extra Heavy Fittings, Add	*104.00*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.46*	
		For Work In Restricted Working Space, Add	*74.79*	

22 13 16 00-0180 Bell And Spigot Cast Iron Tapped Sanitary Tees *(22 13 16 00-0030)*

22 13 16 00-0181	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Tee	121.21	59.83
		For Extra Heavy Fittings, Add	*11.01*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.93*	
22 13 16 00-0182	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Tee	133.82	65.53
		For Extra Heavy Fittings, Add	*12.45*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0183	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Tee	172.56	85.87
		For Extra Heavy Fittings, Add	*15.35*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.44*	
		For Work In Restricted Working Space, Add	*38.61*	

22 13 16 00-0184 Bell And Spigot Cast Iron Tapped Sanitary Crosses *(22 13 16 00-0030)*

22 13 16 00-0185	EA	2" Bell And Spigot Cast Iron Tapped Sanitary Cross	123.29	59.83
		For Extra Heavy Fittings, Add	*11.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.49*	
		For Work In Restricted Working Space, Add	*26.93*	
22 13 16 00-0186	EA	3" Bell And Spigot Cast Iron Tapped Sanitary Cross	137.78	65.53
		For Extra Heavy Fittings, Add	*13.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0187	EA	4" Bell And Spigot Cast Iron Tapped Sanitary Cross	182.50	85.87
		For Extra Heavy Fittings, Add	*18.83*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.44*	
		For Work In Restricted Working Space, Add	*38.61*	

22 13 16 00-0188 Bell And Spigot Cast Iron Reducers *(22 13 16 00-0030)*

22 13 16 00-0189	EA	3" x 2" Bell And Spigot Cast Iron Reducer	68.26	33.69
		For Extra Heavy Fittings, Add	*6.23*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	
22 13 16 00-0190	EA	4" x 2" Bell And Spigot Cast Iron Reducer	85.29	44.43
		For Extra Heavy Fittings, Add	*6.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.33*	
		For Work In Restricted Working Space, Add	*20.00*	
22 13 16 00-0191	EA	4" x 3" Bell And Spigot Cast Iron Reducer	91.36	44.80
		For Extra Heavy Fittings, Add	*8.47*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.36*	
		For Work In Restricted Working Space, Add	*20.15*	
22 13 16 00-0192	EA	6" x 2" Bell And Spigot Cast Iron Reducer	117.18	54.67
		For Extra Heavy Fittings, Add	*12.31*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.10*	
		For Work In Restricted Working Space, Add	*24.60*	
22 13 16 00-0193	EA	6" x 3" Bell And Spigot Cast Iron Reducer	122.62	55.40
		For Extra Heavy Fittings, Add	*13.84*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.15*	
		For Work In Restricted Working Space, Add	*24.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0194	EA	6" x 4" Bell And Spigot Cast Iron Reducer	126.59	56.57
		For Extra Heavy Fittings, Add	*14.64*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.43*	
22 13 16 00-0195	EA	8" x 2" Bell And Spigot Cast Iron Reducer	164.58	58.28
		For Extra Heavy Fittings, Add	*27.02*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.37*	
		For Work In Restricted Working Space, Add	*26.22*	
22 13 16 00-0196	EA	8" x 3" Bell And Spigot Cast Iron Reducer	185.35	71.61
		For Extra Heavy Fittings, Add	*27.30*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.37*	
		For Work In Restricted Working Space, Add	*32.21*	
22 13 16 00-0197	EA	8" x 4" Bell And Spigot Cast Iron Reducer	190.24	73.45
		For Extra Heavy Fittings, Add	*28.03*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.51*	
		For Work In Restricted Working Space, Add	*33.05*	
22 13 16 00-0198	EA	8" x 6" Bell And Spigot Cast Iron Reducer	196.45	76.67
		For Extra Heavy Fittings, Add	*28.54*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.47*	
22 13 16 00-0199	EA	10" x 4" Bell And Spigot Cast Iron Reducer	245.74	86.04
		For Extra Heavy Fittings, Add	*40.85*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.45*	
		For Work In Restricted Working Space, Add	*38.71*	
22 13 16 00-0200	EA	10" x 6" Bell And Spigot Cast Iron Reducer	259.11	90.36
		For Extra Heavy Fittings, Add	*43.25*	
		For Above Ground Cast Iron Pipe Installation, Add	*6.78*	
		For Work In Restricted Working Space, Add	*40.66*	
22 13 16 00-0201	EA	10" x 8" Bell And Spigot Cast Iron Reducer	276.16	94.31
		For Extra Heavy Fittings, Add	*47.16*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.07*	
		For Work In Restricted Working Space, Add	*42.43*	
22 13 16 00-0202	EA	12" x 4" Bell And Spigot Cast Iron Reducer	343.77	102.22
		For Extra Heavy Fittings, Add	*66.70*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.66*	
		For Work In Restricted Working Space, Add	*45.96*	
22 13 16 00-0203	EA	12" x 6" Bell And Spigot Cast Iron Reducer	383.16	119.60
		For Extra Heavy Fittings, Add	*71.33*	
		For Above Ground Cast Iron Pipe Installation, Add	*8.97*	
		For Work In Restricted Working Space, Add	*53.81*	
22 13 16 00-0204	EA	12" x 8" Bell And Spigot Cast Iron Reducer	414.11	136.23
		For Extra Heavy Fittings, Add	*73.44*	
		For Above Ground Cast Iron Pipe Installation, Add	*10.21*	
		For Work In Restricted Working Space, Add	*61.28*	
22 13 16 00-0205	EA	12" x 10" Bell And Spigot Cast Iron Reducer	453.36	156.91
		For Extra Heavy Fittings, Add	*76.34*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.76*	
		For Work In Restricted Working Space, Add	*70.58*	
22 13 16 00-0206	EA	15" x 6" Bell And Spigot Cast Iron Reducer	594.50	156.91
		For Extra Heavy Fittings, Add	*125.74*	
		For Above Ground Cast Iron Pipe Installation, Add	*11.76*	
		For Work In Restricted Working Space, Add	*70.58*	
22 13 16 00-0207	EA	15" x 8" Bell And Spigot Cast Iron Reducer	632.48	169.14
		For Extra Heavy Fittings, Add	*132.61*	
		For Above Ground Cast Iron Pipe Installation, Add	*12.68*	
		For Work In Restricted Working Space, Add	*76.08*	
22 13 16 00-0208	EA	15" x 10" Bell And Spigot Cast Iron Reducer	658.48	178.33
		For Extra Heavy Fittings, Add	*136.87*	
		For Above Ground Cast Iron Pipe Installation, Add	*13.37*	
		For Work In Restricted Working Space, Add	*80.23*	
22 13 16 00-0209	EA	15" x 12" Bell And Spigot Cast Iron Reducer	693.76	190.37
		For Extra Heavy Fittings, Add	*142.89*	
		For Above Ground Cast Iron Pipe Installation, Add	*14.27*	
		For Work In Restricted Working Space, Add	*85.65*	

22 13 16 00-0210 Bell And Spigot Cast Iron P-Traps *(22 13 16 00-0030)*

22 13 16 00-0211	EA	2" Bell And Spigot Cast Iron P-Trap	70.60	26.78
		For Extra Heavy Fittings, Add	*10.66*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.01*	
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0212	EA	3" Bell And Spigot Cast Iron P-Trap	94.75	33.69
		For Extra Heavy Fittings, Add	*15.51*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	
22 13 16 00-0213	EA	4" Bell And Spigot Cast Iron P-Trap	129.21	44.80
		For Extra Heavy Fittings, Add	*21.72*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.36*	
		For Work In Restricted Working Space, Add	*20.15*	
22 13 16 00-0214	EA	5" Bell And Spigot Cast Iron P-Trap	208.91	50.61
		For Extra Heavy Fittings, Add	*46.57*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.79*	
		For Work In Restricted Working Space, Add	*22.76*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0215	EA	6" Bell And Spigot Cast Iron P-Trap	280.87	59.54
		For Extra Heavy Fittings, Add	*67.07*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.46*	
		For Work In Restricted Working Space, Add	*26.78*	
22 13 16 00-0216	EA	8" Bell And Spigot Cast Iron P-Trap	626.44	76.67
		For Extra Heavy Fittings, Add	*179.04*	
		For Above Ground Cast Iron Pipe Installation, Add	*5.75*	
		For Work In Restricted Working Space, Add	*34.47*	
22 13 16 00-0217	EA	10" Bell And Spigot Cast Iron P-Trap	694.07	94.31
		For Extra Heavy Fittings, Add	*193.43*	
		For Above Ground Cast Iron Pipe Installation, Add	*7.07*	
		For Work In Restricted Working Space, Add	*42.43*	

22 13 16 00-0218 Bell And Spigot Cast Iron Deep Seal P-Traps *(22 13 16 00-0030)*

22 13 16 00-0219	EA	2" Bell And Spigot Cast Iron Deep Seal P-Trap	82.17	26.78
		For Extra Heavy Fittings, Add	*14.71*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.01*	
		For Work In Restricted Working Space, Add	*12.05*	
22 13 16 00-0220	EA	3" Bell And Spigot Cast Iron Deep Seal P-Trap	117.49	33.69
		For Extra Heavy Fittings, Add	*23.46*	
		For Above Ground Cast Iron Pipe Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	
22 13 16 00-0221	EA	4" Bell And Spigot Cast Iron Deep Seal P-Trap	171.49	44.80
		For Extra Heavy Fittings, Add	*36.52*	
		For Above Ground Cast Iron Pipe Installation, Add	*3.36*	
		For Work In Restricted Working Space, Add	*20.15*	
22 13 16 00-0222	EA	5" Bell And Spigot Cast Iron Deep Seal P-Trap	284.67	56.57
		For Extra Heavy Fittings, Add	*69.97*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.24*	
		For Work In Restricted Working Space, Add	*25.43*	
22 13 16 00-0223	EA	6" Bell And Spigot Cast Iron Deep Seal P-Trap	301.95	63.06
		For Extra Heavy Fittings, Add	*72.58*	
		For Above Ground Cast Iron Pipe Installation, Add	*4.73*	
		For Work In Restricted Working Space, Add	*28.38*	

22 13 16 00-0224 Bell And Spigot Cast Iron Running Traps With Single Vent *(22 13 16 00-0030)*

22 13 16 00-0225	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Single Vent	189.20	64.68
		For Above Ground Cast Iron Pipe Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0226	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	252.51	85.03
		For Above Ground Cast Iron Pipe Installation, Add	*6.44*	
		For Work In Restricted Working Space, Add	*38.61*	
22 13 16 00-0227	EA	5" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	345.65	98.25
		For Above Ground Cast Iron Pipe Installation, Add	*7.43*	
		For Work In Restricted Working Space, Add	*44.56*	
22 13 16 00-0228	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	699.03	111.33
		For Above Ground Cast Iron Pipe Installation, Add	*8.42*	
		For Work In Restricted Working Space, Add	*50.52*	
22 13 16 00-0229	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Single Vent	2,305.36	131.08
		For Above Ground Cast Iron Pipe Installation, Add	*9.94*	
		For Work In Restricted Working Space, Add	*59.63*	
22 13 16 00-0230	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Single Vent	2,495.92	146.26
		For Above Ground Cast Iron Pipe Installation, Add	*11.06*	
		For Work In Restricted Working Space, Add	*66.33*	

22 13 16 00-0231 Bell And Spigot Cast Running Traps With Double Vent *(22 13 16 00-0030)*

22 13 16 00-0232	EA	3" x 3" Bell And Spigot Cast Iron Running Trap With Double Vent	241.53	89.33
		For Above Ground Cast Iron Pipe Installation, Add	*6.76*	
		For Work In Restricted Working Space, Add	*40.58*	
22 13 16 00-0233	EA	4" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	330.60	112.75
		For Above Ground Cast Iron Pipe Installation, Add	*8.56*	
		For Work In Restricted Working Space, Add	*51.36*	
22 13 16 00-0234	EA	6" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	778.51	137.58
		For Above Ground Cast Iron Pipe Installation, Add	*10.43*	
		For Work In Restricted Working Space, Add	*62.61*	
22 13 16 00-0235	EA	6" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	902.60	166.54
		For Above Ground Cast Iron Pipe Installation, Add	*12.62*	
		For Work In Restricted Working Space, Add	*75.71*	
22 13 16 00-0236	EA	8" x 4" Bell And Spigot Cast Iron Running Trap With Double Vent	2,482.04	158.94
		For Above Ground Cast Iron Pipe Installation, Add	*12.06*	
		For Work In Restricted Working Space, Add	*72.33*	
22 13 16 00-0237	EA	8" x 6" Bell And Spigot Cast Iron Running Trap With Double Vent	2,722.86	188.72
		For Above Ground Cast Iron Pipe Installation, Add	*14.27*	
		For Work In Restricted Working Space, Add	*85.65*	
22 13 16 00-0238	EA	10" x 8" Bell And Spigot Cast Iron Running Trap With Double Vent	3,623.32	217.77
		For Above Ground Cast Iron Pipe Installation, Add	*16.52*	
		For Work In Restricted Working Space, Add	*99.11*	
22 13 16 00-0239	EA	12" x 10" Bell And Spigot Cast Iron Running Trap With Double Vent	5,017.81	251.78
		For Above Ground Cast Iron Pipe Installation, Add	*19.07*	
		For Work In Restricted Working Space, Add	*114.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0240	EA	15" x 12" Bell And Spigot Cast Iron Running Trap With Double Vent	9,779.21	291.22
		For Above Ground Cast Iron Pipe Installation, Add	*22.07*	
		For Work In Restricted Working Space, Add	*132.43*	

22 13 16 00-0241 Bell And Spigot Cast Iron Scission Joint Fittings *(22 13 16 00-0030)*

22 13 16 00-0242	EA	2" Bell And Spigot Cast Iron Scission Joint Fitting	148.72	
		For Above Ground Cast Iron Pipe Installation, Add	*2.00*	
		For Work In Restricted Working Space, Add	*12.01*	
22 13 16 00-0243	EA	3" Bell And Spigot Cast Iron Scission Joint Fitting	205.79	
		For Above Ground Cast Iron Pipe Installation, Add	*2.25*	
		For Work In Restricted Working Space, Add	*13.50*	
22 13 16 00-0244	EA	4" Bell And Spigot Cast Iron Scission Joint Fitting	237.11	
		For Above Ground Cast Iron Pipe Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.08*	
22 13 16 00-0245	EA	5" Bell And Spigot Cast Iron Scission Joint Fitting	293.10	
		For Above Ground Cast Iron Pipe Installation, Add	*3.50*	
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0246	EA	6" Bell And Spigot Cast Iron Scission Joint Fitting	355.96	
		For Above Ground Cast Iron Pipe Installation, Add	*4.23*	
		For Work In Restricted Working Space, Add	*25.37*	
22 13 16 00-0247	EA	8" Bell And Spigot Cast Iron Scission Joint Fitting	677.61	
		For Above Ground Cast Iron Pipe Installation, Add	*5.34*	
		For Work In Restricted Working Space, Add	*32.06*	

22 13 16 00-0248 Cut And Prepare Existing In-Place Cast Iron Pipe *(22 13 16 00-0019)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0249	EA	2", Cut And Prepare Existing In-Place Cast Iron Pipe	11.15	
		For Above Ground Cast Iron Pipe Installation, Add	*0.56*	
		For Work In Restricted Working Space, Add	*3.35*	
22 13 16 00-0250	EA	3", Cut And Prepare Existing In-Place Cast Iron Pipe	12.17	
		For Above Ground Cast Iron Pipe Installation, Add	*0.61*	
		For Work In Restricted Working Space, Add	*3.65*	
22 13 16 00-0251	EA	4", Cut And Prepare Existing In-Place Cast Iron Pipe	15.20	
		For Above Ground Cast Iron Pipe Installation, Add	*0.76*	
		For Work In Restricted Working Space, Add	*4.56*	
22 13 16 00-0252	EA	6", Cut And Prepare Existing In-Place Cast Iron Pipe	18.24	
		For Above Ground Cast Iron Pipe Installation, Add	*0.91*	
		For Work In Restricted Working Space, Add	*5.47*	
22 13 16 00-0253	EA	8", Cut And Prepare Existing In-Place Cast Iron Pipe	24.32	
		For Above Ground Cast Iron Pipe Installation, Add	*1.22*	
		For Work In Restricted Working Space, Add	*7.30*	
22 13 16 00-0254	EA	10", Cut And Prepare Existing In-Place Cast Iron Pipe	28.38	
		For Above Ground Cast Iron Pipe Installation, Add	*1.42*	
		For Work In Restricted Working Space, Add	*8.51*	
22 13 16 00-0255	EA	12", Cut And Prepare Existing In-Place Cast Iron Pipe	33.44	
		For Above Ground Cast Iron Pipe Installation, Add	*1.67*	
		For Work In Restricted Working Space, Add	*10.03*	
22 13 16 00-0256	EA	15", Cut And Prepare Existing In-Place Cast Iron Pipe	38.51	
		For Above Ground Cast Iron Pipe Installation, Add	*1.93*	
		For Work In Restricted Working Space, Add	*11.55*	

22 13 16 00-0257 Joint Material *(22 13 16 00-0019)*

Note: Labor costs are included in the installation costs for fittings.

22 13 16 00-0258	LB	Lead (1 LB/Diameter Inch) Joint Material	5.40	
22 13 16 00-0259	LB	Oakum (1/8 LB/Diameter Inch) Joint Material	10.26	
22 13 16 00-0260	EA	2" Dual Tite Rubber Gasket	3.17	
22 13 16 00-0261	EA	3" Dual Tite Rubber Gasket	4.34	
22 13 16 00-0262	EA	4" Dual Tite Rubber Gasket	5.40	
22 13 16 00-0263	EA	6" Dual Tite Rubber Gasket	8.95	
22 13 16 00-0264	EA	8" Dual Tite Rubber Gasket	19.74	
22 13 16 00-0265	EA	10" Dual Tite Rubber Gasket	30.28	
22 13 16 00-0266	EA	12" Dual Tite Rubber Gasket	38.57	
22 13 16 00-0267	EA	15" Dual Tite Rubber Gasket	45.81	

22 13 16 00-0268 No Hub Cast Iron Soil Pipe And Fittings *(22 13 16)*

Note: Service Weight. Excludes hangers.

22 13 16 00-0269 No Hub Cast Iron Pipe *(22 13 16 00-0268)*

Note: Excludes couplings.

22 13 16 00-0270	LF	1-1/2" No Hub Cast Iron Pipe	13.92	5.60
		For Below Ground Installation, Add	*0.42*	
		For Work In Restricted Working Space, Add	*2.52*	
22 13 16 00-0271	LF	2" No Hub Cast Iron Pipe	14.81	5.97
		For Below Ground Installation, Add	*0.45*	
		For Work In Restricted Working Space, Add	*2.71*	
22 13 16 00-0272	LF	3" No Hub Cast Iron Pipe	21.08	8.68
		For Below Ground Installation, Add	*0.65*	
		For Work In Restricted Working Space, Add	*3.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0273	LF	4" No Hub Cast Iron Pipe	27.35	11.29
		For Below Ground Installation, Add	*0.85*	
		For Work In Restricted Working Space, Add	*5.09*	
22 13 16 00-0274	LF	5" No Hub Cast Iron Pipe	35.16	13.80
		For Below Ground Installation, Add	*1.04*	
		For Work In Restricted Working Space, Add	*6.21*	
22 13 16 00-0275	LF	6" No Hub Cast Iron Pipe	40.43	15.07
		For Below Ground Installation, Add	*1.13*	
		For Work In Restricted Working Space, Add	*6.77*	
22 13 16 00-0276	LF	8" No Hub Cast Iron Pipe	60.97	21.60
		For Below Ground Installation, Add	*1.62*	
		For Work In Restricted Working Space, Add	*9.70*	
22 13 16 00-0277	LF	10" No Hub Cast Iron Pipe	84.25	24.55
		For Below Ground Installation, Add	*1.84*	
		For Work In Restricted Working Space, Add	*11.03*	

22 13 16 00-0278 No Hub Cast Iron Fittings *(22 13 16 00-0268)*

22 13 16 00-0279 No Hub Cast Iron Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0280	EA	1-1/2" No Hub Cast Iron Long Sweep	54.05	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	
22 13 16 00-0281	EA	2" No Hub Cast Iron Long Sweep	54.41	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	
22 13 16 00-0282	EA	3" No Hub Cast Iron Long Sweep	63.94	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0283	EA	4" No Hub Cast Iron Long Sweep	87.65	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0284	EA	5" No Hub Cast Iron Long Sweep	118.79	45.55
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.48*	
22 13 16 00-0285	EA	6" No Hub Cast Iron Long Sweep	141.03	54.31
		For Below Ground Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.45*	
22 13 16 00-0286	EA	8" No Hub Cast Iron Long Sweep	267.83	70.05
		For Below Ground Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.52*	

22 13 16 00-0287 No Hub Cast Iron Reducing Long Sweeps *(22 13 16 00-0278)*

22 13 16 00-0288	EA	3" x 2" No Hub Cast Iron Reducing Long Sweep	79.10	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0289	EA	4" x 3" No Hub Cast Iron Reducing Long Sweep	116.55	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	

22 13 16 00-0290 No Hub Cast Iron Short Sweeps *(22 13 16 00-0278)*

22 13 16 00-0291	EA	2" No Hub Cast Iron Short Sweep	51.36	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	
22 13 16 00-0292	EA	3" No Hub Cast Iron Short Sweep	61.52	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0293	EA	4" No Hub Cast Iron Short Sweep	86.39	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0294	EA	5" No Hub Cast Iron Short Sweep	119.27	45.55
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.48*	
22 13 16 00-0295	EA	6" No Hub Cast Iron Short Sweep	133.63	54.31
		For Below Ground Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.45*	
22 13 16 00-0296	EA	8" No Hub Cast Iron Short Sweep	245.47	70.05
		For Below Ground Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.52*	
22 13 16 00-0297	EA	10" No Hub Cast Iron Short Sweep	394.07	98.09
		For Below Ground Installation, Add	*7.35*	
		For Work In Restricted Working Space, Add	*44.12*	

22 13 16 00-0298 No Hub Cast Iron 1/4 Bends *(22 13 16 00-0278)*

22 13 16 00-0299	EA	1-1/2" No Hub Cast Iron 1/4 Bend	47.13	25.39
		For Below Ground Installation, Add	*1.91*	
		For Work In Restricted Working Space, Add	*11.43*	
22 13 16 00-0300	EA	2" No Hub Cast Iron 1/4 Bend	49.26	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0301	EA	3" No Hub Cast Iron 1/4 Bend	58.12	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0302	EA	4" No Hub Cast Iron 1/4 Bend	78.87	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0303	EA	5" No Hub Cast Iron 1/4 Bend	109.93	45.55
		For Below Ground Installation, Add	*3.41*	
		For Work In Restricted Working Space, Add	*20.48*	
22 13 16 00-0304	EA	6" No Hub Cast Iron 1/4 Bend	127.65	54.31
		For Below Ground Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.45*	
22 13 16 00-0305	EA	8" No Hub Cast Iron 1/4 Bend	228.05	70.05
		For Below Ground Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.52*	

22 13 16 00-0306 No Hub Cast Iron 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0307	EA	1-1/2" No Hub Cast Iron 1/8 Bend	45.19	25.39
		For Below Ground Installation, Add	*1.91*	
		For Work In Restricted Working Space, Add	*11.43*	
22 13 16 00-0308	EA	2" No Hub Cast Iron 1/8 Bend	46.96	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	
22 13 16 00-0309	EA	3" No Hub Cast Iron 1/8 Bend	55.86	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0310	EA	4" No Hub Cast Iron 1/8 Bend	73.80	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0311	EA	6" No Hub Cast Iron 1/8 Bend	119.89	59.27
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.67*	
22 13 16 00-0312	EA	8" No Hub Cast Iron 1/8 Bend	199.18	77.84
		For Below Ground Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0313	EA	10" No Hub Cast Iron 1/8 Bend	299.22	95.77
		For Below Ground Installation, Add	*7.18*	
		For Work In Restricted Working Space, Add	*43.08*	

22 13 16 00-0314 No Hub Cast Iron Wyes *(22 13 16 00-0278)*

22 13 16 00-0315	EA	1-1/2" No Hub Cast Iron Wye	72.42	39.95
		For Below Ground Installation, Add	*2.99*	
		For Work In Restricted Working Space, Add	*17.95*	
22 13 16 00-0316	EA	2" No Hub Cast Iron Wye	93.92	54.13
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.35*	
22 13 16 00-0317	EA	3" No Hub Cast Iron Wye	106.31	59.27
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.67*	
22 13 16 00-0318	EA	4" No Hub Cast Iron Wye	144.95	77.84
		For Below Ground Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0319	EA	5" No Hub Cast Iron Wye	194.11	88.69
		For Below Ground Installation, Add	*6.65*	
		For Work In Restricted Working Space, Add	*39.89*	
22 13 16 00-0320	EA	6" No Hub Cast Iron Wye	230.36	105.28
		For Below Ground Installation, Add	*7.89*	
		For Work In Restricted Working Space, Add	*47.36*	
22 13 16 00-0321	EA	8" No Hub Cast Iron Wye	380.43	140.19
		For Below Ground Installation, Add	*10.51*	
		For Work In Restricted Working Space, Add	*63.04*	
22 13 16 00-0322	EA	10" No Hub Cast Iron Wye	602.22	155.72
		For Below Ground Installation, Add	*11.67*	
		For Work In Restricted Working Space, Add	*70.04*	

22 13 16 00-0323 No Hub Cast Iron Reducing Wyes *(22 13 16 00-0278)*

22 13 16 00-0324	EA	3" x 1-1/2" No Hub Cast Iron Reducing Wye	91.20	51.71
		For Below Ground Installation, Add	*3.87*	
		For Work In Restricted Working Space, Add	*23.24*	
22 13 16 00-0325	EA	3" x 2" No Hub Cast Iron Reducing Wye	102.63	59.27
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.67*	
22 13 16 00-0326	EA	4" x 2" No Hub Cast Iron Reducing Wye	115.83	65.53
		For Below Ground Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0327	EA	4" x 3" No Hub Cast Iron Reducing Wye	132.72	72.81
		For Below Ground Installation, Add	*5.46*	
		For Work In Restricted Working Space, Add	*32.75*	
22 13 16 00-0328	EA	6" x 2" No Hub Cast Iron Reducing Wye	173.43	89.58
		For Below Ground Installation, Add	*6.72*	
		For Work In Restricted Working Space, Add	*40.31*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0329	EA	6" x 3" No Hub Cast Iron Reducing Wye	184.40	93.64
		For Below Ground Installation, Add	*7.02*	
		For Work In Restricted Working Space, Add	*42.10*	
22 13 16 00-0330	EA	6" x 4" No Hub Cast Iron Reducing Wye	212.29	109.43
		For Below Ground Installation, Add	*8.20*	
		For Work In Restricted Working Space, Add	*49.21*	
22 13 16 00-0331	EA	8" x 4" No Hub Cast Iron Reducing Wye	262.76	110.22
		For Below Ground Installation, Add	*8.26*	
		For Work In Restricted Working Space, Add	*49.58*	
22 13 16 00-0332	EA	8" x 6" No Hub Cast Iron Reducing Wye	302.01	121.15
		For Below Ground Installation, Add	*9.08*	
		For Work In Restricted Working Space, Add	*54.47*	
22 13 16 00-0333	EA	10" x 4" No Hub Cast Iron Reducing Wye	448.54	129.07
		For Below Ground Installation, Add	*9.68*	
		For Work In Restricted Working Space, Add	*58.06*	
22 13 16 00-0334	EA	10" x 6" No Hub Cast Iron Reducing Wye	473.98	138.16
		For Below Ground Installation, Add	*10.36*	
		For Work In Restricted Working Space, Add	*62.15*	
22 13 16 00-0335	EA	10" x 8" No Hub Cast Iron Reducing Wye	541.59	147.54
		For Below Ground Installation, Add	*11.06*	
		For Work In Restricted Working Space, Add	*66.35*	

22 13 16 00-0336 No Hub Cast Iron Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0337	EA	1-1/2" No Hub Cast Iron Combination Wye And 1/8 Bend	82.40	46.48
		For Below Ground Installation, Add	*3.48*	
		For Work In Restricted Working Space, Add	*20.90*	
22 13 16 00-0338	EA	2" No Hub Cast Iron Combination Wye And 1/8 Bend	94.43	54.13
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.35*	
22 13 16 00-0339	EA	3" No Hub Cast Iron Combination Wye And 1/8 Bend	110.19	59.27
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.67*	
22 13 16 00-0340	EA	4" No Hub Cast Iron Combination Wye And 1/8 Bend	155.91	77.84
		For Below Ground Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0341	EA	6" No Hub Cast Iron Combination Wye And 1/8 Bend	278.27	119.75
		For Below Ground Installation, Add	*8.98*	
		For Work In Restricted Working Space, Add	*53.85*	
22 13 16 00-0342	EA	8" No Hub Cast Iron Combination Wye And 1/8 Bend	478.18	153.63
		For Below Ground Installation, Add	*11.52*	
		For Work In Restricted Working Space, Add	*69.11*	
22 13 16 00-0343	EA	10" No Hub Cast Iron Combination Wye And 1/8 Bend	563.02	185.74
		For Below Ground Installation, Add	*13.92*	
		For Work In Restricted Working Space, Add	*83.54*	

22 13 16 00-0344 No Hub Cast Iron Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0345	EA	2" x 1-1/2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	95.07	54.13
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.35*	
22 13 16 00-0346	EA	3" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	104.57	59.27
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.67*	
22 13 16 00-0347	EA	4" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	119.71	65.53
		For Below Ground Installation, Add	*4.91*	
		For Work In Restricted Working Space, Add	*29.48*	
22 13 16 00-0348	EA	4" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	136.49	72.81
		For Below Ground Installation, Add	*5.46*	
		For Work In Restricted Working Space, Add	*32.75*	
22 13 16 00-0349	EA	6" x 2" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	184.72	89.58
		For Below Ground Installation, Add	*6.72*	
		For Work In Restricted Working Space, Add	*40.31*	
22 13 16 00-0350	EA	6" x 3" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	204.12	93.64
		For Below Ground Installation, Add	*7.02*	
		For Work In Restricted Working Space, Add	*42.10*	
22 13 16 00-0351	EA	6" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	229.55	109.43
		For Below Ground Installation, Add	*8.20*	
		For Work In Restricted Working Space, Add	*49.21*	
22 13 16 00-0352	EA	8" x 4" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	295.03	110.22
		For Below Ground Installation, Add	*8.26*	
		For Work In Restricted Working Space, Add	*49.58*	
22 13 16 00-0353	EA	8" x 6" No Hub Cast Iron Reducing Combination Wye And 1/8 Bend	375.76	121.15
		For Below Ground Installation, Add	*9.08*	
		For Work In Restricted Working Space, Add	*54.47*	

22 13 16 00-0354 No Hub Cast Iron Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0355	EA	2" No Hub Cast Iron Double Wye	118.67	67.29
		For Below Ground Installation, Add	*5.05*	
		For Work In Restricted Working Space, Add	*30.27*	
22 13 16 00-0356	EA	3" No Hub Cast Iron Double Wye	155.60	81.96
		For Below Ground Installation, Add	*6.14*	
		For Work In Restricted Working Space, Add	*36.85*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0357	EA	4" No Hub Cast Iron Double Wye	201.76	89.61
		For Below Ground Installation, Add	*6.72*	
		For Work In Restricted Working Space, Add	*40.29*	
22 13 16 00-0358	EA	6" No Hub Cast Iron Double Wye	315.13	132.71
		For Below Ground Installation, Add	*9.95*	
		For Work In Restricted Working Space, Add	*59.67*	
22 13 16 00-0359	EA	8" No Hub Cast Iron Double Wye	582.18	178.33
		For Below Ground Installation, Add	*13.37*	
		For Work In Restricted Working Space, Add	*80.23*	

22 13 16 00-0360 No Hub Cast Iron Reducing Double Wyes *(22 13 16 00-0278)*

22 13 16 00-0361	EA	3" x 2" No Hub Cast Iron Double Wye	139.89	74.57
		For Below Ground Installation, Add	*5.59*	
		For Work In Restricted Working Space, Add	*33.53*	
22 13 16 00-0362	EA	4" x 2" No Hub Cast Iron Double Wye	166.52	85.87
		For Below Ground Installation, Add	*6.44*	
		For Work In Restricted Working Space, Add	*38.63*	
22 13 16 00-0363	EA	4" x 3" No Hub Cast Iron Double Wye	182.96	93.62
		For Below Ground Installation, Add	*7.02*	
		For Work In Restricted Working Space, Add	*42.11*	
22 13 16 00-0364	EA	6" x 4" No Hub Cast Iron Double Wye	269.68	117.01
		For Below Ground Installation, Add	*8.77*	
		For Work In Restricted Working Space, Add	*52.63*	

22 13 16 00-0365 No Hub Cast Iron Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0366	EA	2" No Hub Cast Iron Double Combination Wye And 1/8 Bend	152.38	80.84
		For Below Ground Installation, Add	*6.06*	
		For Work In Restricted Working Space, Add	*36.37*	
22 13 16 00-0367	EA	3" No Hub Cast Iron Double Combination Wye And 1/8 Bend	182.56	89.61
		For Below Ground Installation, Add	*6.72*	
		For Work In Restricted Working Space, Add	*40.29*	
22 13 16 00-0368	EA	4" No Hub Cast Iron Double Combination Wye And 1/8 Bend	269.95	118.63
		For Below Ground Installation, Add	*8.89*	
		For Work In Restricted Working Space, Add	*53.34*	
22 13 16 00-0369	EA	6" No Hub Cast Iron Double Combination Wye And 1/8 Bend	382.13	183.13
		For Below Ground Installation, Add	*13.73*	
		For Work In Restricted Working Space, Add	*82.36*	

22 13 16 00-0370 No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0278)*

22 13 16 00-0371	EA	3" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	140.43	69.54
		For Below Ground Installation, Add	*5.21*	
		For Work In Restricted Working Space, Add	*31.29*	
22 13 16 00-0372	EA	4" x 2" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	162.87	80.84
		For Below Ground Installation, Add	*6.06*	
		For Work In Restricted Working Space, Add	*36.37*	
22 13 16 00-0373	EA	4" x 3" No Hub Cast Iron Reducing Double Combination Wye And 1/8 Bend	192.93	88.30
		For Below Ground Installation, Add	*6.62*	
		For Work In Restricted Working Space, Add	*39.72*	

22 13 16 00-0374 No Hub Cast Iron Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0375	EA	1-1/2" No Hub Cast Iron Sanitary Tee	70.66	39.11
		For Below Ground Installation, Add	*2.94*	
		For Work In Restricted Working Space, Add	*17.61*	
22 13 16 00-0376	EA	2" No Hub Cast Iron Sanitary Tee	94.55	54.13
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.35*	
22 13 16 00-0377	EA	3" No Hub Cast Iron Sanitary Tee	104.88	59.27
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.67*	
22 13 16 00-0378	EA	4" No Hub Cast Iron Sanitary Tee	141.70	77.84
		For Below Ground Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0379	EA	5" No Hub Cast Iron Sanitary Tee	194.79	88.69
		For Below Ground Installation, Add	*6.65*	
		For Work In Restricted Working Space, Add	*39.89*	
22 13 16 00-0380	EA	6" No Hub Cast Iron Sanitary Tee	229.89	105.28
		For Below Ground Installation, Add	*7.89*	
		For Work In Restricted Working Space, Add	*47.36*	
22 13 16 00-0381	EA	8" No Hub Cast Iron Sanitary Tee	420.45	140.19
		For Below Ground Installation, Add	*10.51*	
		For Work In Restricted Working Space, Add	*63.04*	

22 13 16 00-0382 No Hub Cast Iron Reducing Sanitary Tees *(22 13 16 00-0278)*

22 13 16 00-0383	EA	2" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	79.57	44.15
		For Below Ground Installation, Add	*3.31*	
		For Work In Restricted Working Space, Add	*19.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0384	EA	3" x 1-1/2" No Hub Cast Iron Reducing Sanitary Tee	92.31	51.71
		For Below Ground Installation, Add	*3.87*	
		For Work In Restricted Working Space, Add	*23.24*	
22 13 16 00-0385	EA	3" x 2" No Hub Cast Iron Reducing Sanitary Tee	96.02	54.13
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.35*	
22 13 16 00-0386	EA	3" x 4" No Hub Cast Iron Reducing Sanitary Tee	111.34	54.13
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.35*	
22 13 16 00-0387	EA	4" x 2" No Hub Cast Iron Reducing Sanitary Tee	128.85	73.27
		For Below Ground Installation, Add	*5.49*	
		For Work In Restricted Working Space, Add	*32.94*	
22 13 16 00-0388	EA	4" x 3" No Hub Cast Iron Reducing Sanitary Tee	132.57	73.27
		For Below Ground Installation, Add	*5.49*	
		For Work In Restricted Working Space, Add	*32.94*	
22 13 16 00-0389	EA	5" x 2" No Hub Cast Iron Reducing Sanitary Tee	170.53	84.26
		For Below Ground Installation, Add	*6.32*	
		For Work In Restricted Working Space, Add	*37.89*	
22 13 16 00-0390	EA	5" x 3" No Hub Cast Iron Reducing Sanitary Tee	175.72	84.26
		For Below Ground Installation, Add	*6.32*	
		For Work In Restricted Working Space, Add	*37.89*	
22 13 16 00-0391	EA	5" x 4" No Hub Cast Iron Reducing Sanitary Tee	176.35	84.26
		For Below Ground Installation, Add	*6.32*	
		For Work In Restricted Working Space, Add	*37.89*	
22 13 16 00-0392	EA	6" x 4" No Hub Cast Iron Reducing Sanitary Tee	183.07	87.78
		For Below Ground Installation, Add	*6.58*	
		For Work In Restricted Working Space, Add	*39.47*	
22 13 16 00-0393	EA	8" x 6" No Hub Cast Iron Reducing Sanitary Tee	333.93	118.22
		For Below Ground Installation, Add	*8.86*	
		For Work In Restricted Working Space, Add	*53.16*	

22 13 16 00-0394 No Hub Cast Iron Sanitary Tapped Tees *(22 13 16 00-0278)*

22 13 16 00-0395	EA	2" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	53.14	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	
22 13 16 00-0396	EA	3" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	61.64	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0397	EA	4" x 1-1/2 Or 1-1/4" No Hub Cast Iron Sanitary Tapped Tee	76.69	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	

22 13 16 00-0398 No Hub Cast Iron Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0399	EA	2" No Hub Cast Iron Cleanout Tee	50.80	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	
22 13 16 00-0400	EA	3" No Hub Cast Iron Cleanout Tee	63.34	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0401	EA	4" No Hub Cast Iron Cleanout Tee	91.53	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0402	EA	6" No Hub Cast Iron Cleanout Tee	149.97	59.27
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.67*	

22 13 16 00-0403 No Hub Cast Iron Two-Way Cleanout Tees *(22 13 16 00-0278)*

22 13 16 00-0404	EA	4" No Hub Cast Iron Single Two-Way Cleanout Tee	206.10	77.84
		For Below Ground Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0405	EA	4" No Hub Cast Iron Double Two-Way Cleanout Tee	260.37	118.26
		For Below Ground Installation, Add	*8.87*	
		For Work In Restricted Working Space, Add	*53.20*	

22 13 16 00-0406 No Hub Cast Iron Cleanout Plugs *(22 13 16 00-0278)*

22 13 16 00-0407	EA	2" No Hub Cast Iron Cleanout Plug	44.43	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	
22 13 16 00-0408	EA	3" No Hub Cast Iron Cleanout Plug	52.93	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0409	EA	4" No Hub Cast Iron Cleanout Plug	74.27	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0410	EA	6" No Hub Cast Iron Cleanout Plug	115.14	59.27
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.67*	
22 13 16 00-0411	EA	8" No Hub Cast Iron Cleanout Plug	152.74	77.84
		For Below Ground Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0412 No Hub Cast Iron Sanitary Crosses *(22 13 16 00-0278)*

22 13 16 00-0413	EA	1-1/2" No Hub Cast Iron Sanitary Cross	94.59	52.27
		For Below Ground Installation, Add	*3.92*	
		For Work In Restricted Working Space, Add	*23.53*	
22 13 16 00-0414	EA	2" No Hub Cast Iron Sanitary Cross	101.36	54.13
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.35*	
22 13 16 00-0415	EA	3" No Hub Cast Iron Sanitary Cross	120.68	59.27
		For Below Ground Installation, Add	*4.44*	
		For Work In Restricted Working Space, Add	*26.67*	
22 13 16 00-0416	EA	4" No Hub Cast Iron Sanitary Cross	176.42	77.84
		For Below Ground Installation, Add	*5.83*	
		For Work In Restricted Working Space, Add	*35.00*	
22 13 16 00-0417	EA	3" x 2" No Hub Cast Iron Sanitary Cross	132.84	69.54
		For Below Ground Installation, Add	*5.21*	
		For Work In Restricted Working Space, Add	*31.28*	
22 13 16 00-0418	EA	4" x 2" No Hub Cast Iron Sanitary Cross	147.72	71.59
		For Below Ground Installation, Add	*5.37*	
		For Work In Restricted Working Space, Add	*32.20*	
22 13 16 00-0419	EA	4" x 3" No Hub Cast Iron Sanitary Cross	160.76	74.77
		For Below Ground Installation, Add	*5.60*	
		For Work In Restricted Working Space, Add	*33.61*	

22 13 16 00-0420 No Hub Cast Iron Reducers *(22 13 16 00-0278)*

22 13 16 00-0421	EA	3" x 2" No Hub Cast Iron Reducer	87.94	54.13
		For Below Ground Installation, Add	*4.06*	
		For Work In Restricted Working Space, Add	*24.35*	
22 13 16 00-0422	EA	4" x 2" No Hub Cast Iron Reducer	120.14	73.27
		For Below Ground Installation, Add	*5.49*	
		For Work In Restricted Working Space, Add	*32.94*	
22 13 16 00-0423	EA	4" x 3" No Hub Cast Iron Reducer	120.46	73.27
		For Below Ground Installation, Add	*5.49*	
		For Work In Restricted Working Space, Add	*32.94*	
22 13 16 00-0424	EA	5" x 2" No Hub Cast Iron Reducer	141.47	84.26
		For Below Ground Installation, Add	*6.32*	
		For Work In Restricted Working Space, Add	*37.89*	
22 13 16 00-0425	EA	5" x 3" No Hub Cast Iron Reducer	143.57	84.26
		For Below Ground Installation, Add	*6.32*	
		For Work In Restricted Working Space, Add	*37.89*	
22 13 16 00-0426	EA	5" x 4" No Hub Cast Iron Reducer	144.40	84.26
		For Below Ground Installation, Add	*6.32*	
		For Work In Restricted Working Space, Add	*37.89*	
22 13 16 00-0427	EA	6" x 3" No Hub Cast Iron Reducer	166.51	93.64
		For Below Ground Installation, Add	*7.02*	
		For Work In Restricted Working Space, Add	*42.10*	
22 13 16 00-0428	EA	6" x 4" No Hub Cast Iron Reducer	166.82	93.64
		For Below Ground Installation, Add	*7.02*	
		For Work In Restricted Working Space, Add	*42.10*	
22 13 16 00-0429	EA	6" x 5" No Hub Cast Iron Reducer	167.77	93.64
		For Below Ground Installation, Add	*7.02*	
		For Work In Restricted Working Space, Add	*42.10*	
22 13 16 00-0430	EA	8" x 2" No Hub Cast Iron Reducer	230.99	130.81
		For Below Ground Installation, Add	*9.81*	
		For Work In Restricted Working Space, Add	*58.83*	
22 13 16 00-0431	EA	8" x 3" No Hub Cast Iron Reducer	233.40	130.81
		For Below Ground Installation, Add	*9.81*	
		For Work In Restricted Working Space, Add	*58.83*	
22 13 16 00-0432	EA	8" x 4" No Hub Cast Iron Reducer	237.28	130.81
		For Below Ground Installation, Add	*9.81*	
		For Work In Restricted Working Space, Add	*58.83*	
22 13 16 00-0433	EA	8" x 5" No Hub Cast Iron Reducer	241.32	130.81
		For Below Ground Installation, Add	*9.81*	
		For Work In Restricted Working Space, Add	*58.83*	
22 13 16 00-0434	EA	8" x 6" No Hub Cast Iron Reducer	241.79	130.81
		For Below Ground Installation, Add	*9.81*	
		For Work In Restricted Working Space, Add	*58.83*	
22 13 16 00-0435	EA	10" x 4" No Hub Cast Iron Reducer	281.73	137.98
		For Below Ground Installation, Add	*10.34*	
		For Work In Restricted Working Space, Add	*62.05*	
22 13 16 00-0436	EA	10" x 6" No Hub Cast Iron Reducer	299.96	144.04
		For Below Ground Installation, Add	*10.80*	
		For Work In Restricted Working Space, Add	*64.81*	
22 13 16 00-0437	EA	10" x 8" No Hub Cast Iron Reducer	334.96	156.37
		For Below Ground Installation, Add	*11.72*	
		For Work In Restricted Working Space, Add	*70.32*	

22 13 16 00-0438 No Hub Cast Iron Blind Plugs *(22 13 16 00-0278)*

22 13 16 00-0439	EA	1-1/2" No Hub Cast Iron Blind Plug	41.98	25.39
		For Below Ground Installation, Add	*1.91*	
		For Work In Restricted Working Space, Add	*11.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0440	EA	2" No Hub Cast Iron Blind Plug	43.44	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	
22 13 16 00-0441	EA	3" No Hub Cast Iron Blind Plug	52.14	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0442	EA	4" No Hub Cast Iron Blind Plug	69.09	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0443	EA	5" No Hub Cast Iron Blind Plug	85.94	46.92
		For Below Ground Installation, Add	*3.47*	
		For Work In Restricted Working Space, Add	*20.84*	
22 13 16 00-0444	EA	6" No Hub Cast Iron Blind Plug	98.12	54.31
		For Below Ground Installation, Add	*4.07*	
		For Work In Restricted Working Space, Add	*24.45*	
22 13 16 00-0445	EA	8" No Hub Cast Iron Blind Plug	157.50	70.05
		For Below Ground Installation, Add	*5.25*	
		For Work In Restricted Working Space, Add	*31.52*	
22 13 16 00-0446	EA	10" No Hub Cast Iron Blind Plug	188.55	75.47
		For Below Ground Installation, Add	*5.66*	
		For Work In Restricted Working Space, Add	*33.94*	

22 13 16 00-0447 No Hub Cast Iron P-Traps *(22 13 16 00-0278)*

22 13 16 00-0448	EA	2" No Hub Cast Iron P-Trap	53.46	26.51
		For Below Ground Installation, Add	*1.99*	
		For Work In Restricted Working Space, Add	*11.92*	
22 13 16 00-0449	EA	3" No Hub Cast Iron P-Trap	76.84	30.33
		For Below Ground Installation, Add	*2.28*	
		For Work In Restricted Working Space, Add	*13.66*	
22 13 16 00-0450	EA	4" No Hub Cast Iron P-Trap	114.61	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0451	EA	5" No Hub Cast Iron P-Trap	193.27	45.92
		For Below Ground Installation, Add	*3.44*	
		For Work In Restricted Working Space, Add	*20.64*	
22 13 16 00-0452	EA	6" No Hub Cast Iron P-Trap	206.68	54.76
		For Below Ground Installation, Add	*4.11*	
		For Work In Restricted Working Space, Add	*24.63*	

22 13 16 00-0453 No Hub Cast Iron Deep Seal P-Traps *(22 13 16 00-0278)*

22 13 16 00-0454	EA	2" No Hub Cast Iron Deep Seal P-Trap	83.23	33.69
		For Below Ground Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	
22 13 16 00-0455	EA	3" No Hub Cast Iron Deep Seal P-Trap	119.45	44.80
		For Below Ground Installation, Add	*3.36*	
		For Work In Restricted Working Space, Add	*20.15*	
22 13 16 00-0456	EA	4" No Hub Cast Iron Deep Seal P-Trap	172.60	59.17
		For Below Ground Installation, Add	*4.43*	
		For Work In Restricted Working Space, Add	*26.60*	

22 13 16 00-0457 No Hub Cast Iron Closet Flanges *(22 13 16 00-0278)*

22 13 16 00-0458	EA	4" No Hub Cast Iron Closet Flange	81.99	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	
22 13 16 00-0459	EA	4" x 2-1/2" No Hub Cast Iron Offset Closet Flange	86.51	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	

22 13 16 00-0460 No Hub Cast Iron Closet Bends *(22 13 16 00-0278)*

22 13 16 00-0461	EA	4" x 16" No Hub Cast Iron Closet Bend	145.45	40.14
		For Below Ground Installation, Add	*3.01*	
		For Work In Restricted Working Space, Add	*18.07*	

22 13 16 00-0462 No Hub Cast Iron Threaded Adapter *(22 13 16 00-0278)*

22 13 16 00-0463	EA	1-1/4" No Hub Cast Iron Threaded Adapter	62.25	33.69
		For Below Ground Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	
22 13 16 00-0464	EA	1-1/2" No Hub Cast Iron Threaded Adapter	65.89	33.69
		For Below Ground Installation, Add	*2.52*	
		For Work In Restricted Working Space, Add	*15.14*	

22 13 16 00-0465 No Hub Couplings *(22 13 16 00-0278)*

Note: Includes stainless steel shield/clamps assembly with elastomeric gasket, ASTM C 564. (Fernco NH).

22 13 16 00-0466	EA	1-1/2" No Hub Coupling	13.58	
		For Medium Duty (Fernco MD-2000), Add	*1.77*	
		For Heavy Duty (Fernco HD-4000), Add	*3.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0467	EA	2" No Hub Coupling	13.58	
		For Medium Duty (Fernco MD-2000), Add	*1.77*	
		For Heavy Duty (Fernco HD-4000), Add	*3.67*	
22 13 16 00-0468	EA	3" No Hub Coupling	16.12	
		For Medium Duty (Fernco MD-2000), Add	*2.10*	
		For Heavy Duty (Fernco HD-4000), Add	*4.35*	
22 13 16 00-0469	EA	4" No Hub Coupling	19.14	
		For Medium Duty (Fernco MD-2000), Add	*2.49*	
		For Heavy Duty (Fernco HD-4000), Add	*5.17*	
22 13 16 00-0470	EA	5" No Hub Coupling	44.25	
		For Medium Duty (Fernco MD-2000), Add	*5.75*	
		For Heavy Duty (Fernco HD-4000), Add	*11.95*	
22 13 16 00-0471	EA	6" No Hub Coupling	48.63	
		For Medium Duty (Fernco MD-2000), Add	*6.32*	
		For Heavy Duty (Fernco HD-4000), Add	*13.13*	
22 13 16 00-0472	EA	8" No Hub Coupling	91.61	
		For Medium Duty (Fernco MD-2000), Add	*11.91*	
		For Heavy Duty (Fernco HD-4000), Add	*24.73*	
22 13 16 00-0473	EA	10" No Hub Coupling	126.20	
		For Medium Duty (Fernco MD-2000), Add	*16.41*	
		For Heavy Duty (Fernco HD-4000), Add	*34.07*	
22 13 16 00-0474	EA	2" x 1-1/2" No Hub Reducing Coupling	16.12	
22 13 16 00-0475	EA	3" x 2" No Hub Reducing Coupling	25.00	
22 13 16 00-0476	EA	4" x 2" No Hub Reducing Coupling	34.88	
22 13 16 00-0477	EA	4" x 3" No Hub Reducing Coupling	29.72	

22 13 16 00-0478 Cast Iron Mechanical Joint Couplings With Neoprene Gasket And Bolts *(22 13 16 00-0278)*

Note: For underground connections. See CSI section 22 13 16 00-0860 for additional FERNCO couplings.

22 13 16 00-0479	EA	1-1/2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	26.08	
22 13 16 00-0480	EA	2" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	26.92	
22 13 16 00-0481	EA	3" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	28.27	
22 13 16 00-0482	EA	4" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	32.98	
22 13 16 00-0483	EA	5" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	62.25	
22 13 16 00-0484	EA	6" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	85.47	
22 13 16 00-0485	EA	8" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	149.74	
22 13 16 00-0486	EA	10" Cast Iron Mechanical Joint Coupling With Neoprene Gasket And Bolts	228.82	

22 13 16 00-0487 Cut And Prepare Existing Pipe In-Place *(22 13 16 00-0268)*

Note: For use when connecting pipe to an existing in-place system.

22 13 16 00-0488	EA	Cut And Prepare 1-1/2" Cast Iron Pipe, No Hub	9.12	
		For Work In Restricted Working Space, Add	*2.74*	
22 13 16 00-0489	EA	Cut And Prepare 2" Cast Iron Pipe, No Hub	11.15	
		For Work In Restricted Working Space, Add	*3.35*	
22 13 16 00-0490	EA	Cut And Prepare 3" Cast Iron Pipe, No Hub	12.17	
		For Work In Restricted Working Space, Add	*3.65*	
22 13 16 00-0491	EA	Cut And Prepare 4" Cast Iron Pipe, No Hub	15.20	
		For Work In Restricted Working Space, Add	*4.56*	
22 13 16 00-0492	EA	Cut And Prepare 6" Cast Iron Pipe, No Hub	18.24	
		For Work In Restricted Working Space, Add	*5.47*	
22 13 16 00-0493	EA	Cut And Prepare 8" Cast Iron Pipe, No Hub	24.32	
		For Work In Restricted Working Space, Add	*7.30*	
22 13 16 00-0494	EA	Cut And Prepare 10" Cast Iron Pipe, No Hub	28.38	
		For Work In Restricted Working Space, Add	*8.51*	

22 13 16 00-0495 Copper Drain-Waste-Vent (DWV) Pipe *(22 13 16)*

See CSI section 22 11 16 00-0436 for copper and brass fittings.

22 13 16 00-0496	LF	1-1/4" Hard Drawn DWV Copper Tube/Pipe	13.67	4.38
22 13 16 00-0497	LF	1-1/2" Hard Drawn DWV Copper Tube/Pipe	16.25	4.90
22 13 16 00-0498	LF	2" Hard Drawn DWV Copper Tube/Pipe	20.87	6.04
22 13 16 00-0499	LF	3" Hard Drawn DWV Copper Tube/Pipe	45.69	8.37
22 13 16 00-0500	LF	4" Hard Drawn DWV Copper Tube/Pipe	62.93	9.45
22 13 16 00-0501	LF	5" Hard Drawn DWV Copper Tube/Pipe	120.61	10.85
22 13 16 00-0502	LF	6" Hard Drawn DWV Copper Tube/Pipe	172.56	16.81

22 13 16 00-0503 Polyvinyl Chloride (PVC) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation. See CSI section 33 31 11 00-0018 for underground installation.

22 13 16 00-0504 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assemblies *(22 13 16 00-0503)*

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0505	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	19.98	3.92
		For Work In Restricted Working Space, Add	*4.49*	
22 13 16 00-0506	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.22	4.67
		For Work In Restricted Working Space, Add	*5.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0507	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	30.17	6.72
		For Work In Restricted Working Space, Add	*6.21*	
22 13 16 00-0508	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	35.42	7.28
		For Work In Restricted Working Space, Add	*6.78*	
22 13 16 00-0509	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	50.40	9.34
		For Work In Restricted Working Space, Add	*8.69*	
22 13 16 00-0510	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	63.08	12.41
		For Work In Restricted Working Space, Add	*9.95*	
22 13 16 00-0511	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	86.28	16.62
		For Work In Restricted Working Space, Add	*12.97*	

22 13 16 00-0512 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0503)*

Note: Excludes fittings or hangers.

22 13 16 00-0513 Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe (ASTM D-2665) *(22 13 16 00-0512)*

Note: Excludes fittings or hangers.

22 13 16 00-0514	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	6.83	3.92
		For Work In Restricted Working Space, Add	*1.75*	
22 13 16 00-0515	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	8.30	4.67
		For Work In Restricted Working Space, Add	*2.10*	
22 13 16 00-0516	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	12.67	6.72
		For Work In Restricted Working Space, Add	*3.01*	
22 13 16 00-0517	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	14.61	7.28
		For Work In Restricted Working Space, Add	*3.27*	
22 13 16 00-0518	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	20.11	9.02
		For Work In Restricted Working Space, Add	*4.05*	
22 13 16 00-0519	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	28.08	12.00
		For Work In Restricted Working Space, Add	*5.42*	
22 13 16 00-0520	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV Pipe	39.42	16.06
		For Work In Restricted Working Space, Add	*7.22*	

22 13 16 00-0521 Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe (ASTM F-891) *(22 13 16 00-0512)*

Note: Excludes fittings or hangers.

22 13 16 00-0522	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	6.53	3.92
		For Work In Restricted Working Space, Add	*1.75*	
22 13 16 00-0523	LF	2" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	7.94	4.67
		For Work In Restricted Working Space, Add	*2.10*	
22 13 16 00-0524	LF	3" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	11.99	6.72
		For Work In Restricted Working Space, Add	*3.01*	
22 13 16 00-0525	LF	4" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	13.71	7.28
		For Work In Restricted Working Space, Add	*3.27*	
22 13 16 00-0526	LF	6" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	18.44	9.02
		For Work In Restricted Working Space, Add	*4.05*	
22 13 16 00-0527	LF	8" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	25.73	12.00
		For Work In Restricted Working Space, Add	*5.42*	
22 13 16 00-0528	LF	10" Schedule 40 Polyvinyl Chloride (PVC) DWV "Foam-Core" Pipe	36.86	16.06
		For Work In Restricted Working Space, Add	*7.22*	

22 13 16 00-0529 Polyvinyl Chloride (PVC) DWV Fittings (ASTM D-2665) *(22 13 16 00-0503)*

22 13 16 00-0530 Polyvinyl Chloride (PVC) DWV 1/4 Bends *(22 13 16 00-0529)*

22 13 16 00-0531	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	25.91	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0532	EA	2" Polyvinyl Chloride (PVC) DWV 1/4 Bends	33.14	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0533	EA	3" Polyvinyl Chloride (PVC) DWV 1/4 Bends	50.28	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0534	EA	4" Polyvinyl Chloride (PVC) DWV 1/4 Bends	68.19	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0535	EA	6" Polyvinyl Chloride (PVC) DWV 1/4 Bends	191.64	40.42
		For Work In Restricted Working Space, Add	*18.20*	
22 13 16 00-0536	EA	8" Polyvinyl Chloride (PVC) DWV 1/4 Bends	306.02	54.42
		For Work In Restricted Working Space, Add	*24.50*	
22 13 16 00-0537	EA	10" Polyvinyl Chloride (PVC) DWV 1/4 Bends	404.67	72.53
		For Work In Restricted Working Space, Add	*32.67*	

22 13 16 00-0538 Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends *(22 13 16 00-0529)*

22 13 16 00-0539	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	33.14	15.59
		For Work In Restricted Working Space, Add	*7.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0540	EA	2" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	37.29	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0541	EA	3" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	60.97	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0542	EA	4" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	87.79	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0543	EA	6" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	153.79	40.42
		For Work In Restricted Working Space, Add	*18.20*	
22 13 16 00-0544	EA	8" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	256.28	54.42
		For Work In Restricted Working Space, Add	*24.50*	
22 13 16 00-0545	EA	10" Polyvinyl Chloride (PVC) DWV Long Sweep 1/4 Bends	403.78	72.53
		For Work In Restricted Working Space, Add	*32.67*	

22 13 16 00-0546 Polyvinyl Chloride (PVC) DWV 1/8 Bends *(22 13 16 00-0529)*

22 13 16 00-0547	EA	1-1/2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	26.51	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0548	EA	2" Polyvinyl Chloride (PVC) DWV 1/8 Bends	33.09	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0549	EA	3" Polyvinyl Chloride (PVC) DWV 1/8 Bends	49.39	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0550	EA	4" Polyvinyl Chloride (PVC) DWV 1/8 Bends	63.84	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0551	EA	6" Polyvinyl Chloride (PVC) DWV 1/8 Bends	180.56	40.42
		For Work In Restricted Working Space, Add	*18.20*	
22 13 16 00-0552	EA	8" Polyvinyl Chloride (PVC) DWV 1/8 Bends	280.26	54.42
		For Work In Restricted Working Space, Add	*24.50*	
22 13 16 00-0553	EA	10" Polyvinyl Chloride (PVC) DWV 1/8 Bends	328.89	72.53
		For Work In Restricted Working Space, Add	*32.67*	

22 13 16 00-0554 Polyvinyl Chloride (PVC) DWV Sanitary Tees *(22 13 16 00-0529)*

22 13 16 00-0555	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	39.60	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0556	EA	2" Polyvinyl Chloride (PVC) DWV Sanitary Tees	51.38	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0557	EA	3" Polyvinyl Chloride (PVC) DWV Sanitary Tees	77.72	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0558	EA	4" Polyvinyl Chloride (PVC) DWV Sanitary Tees	103.41	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0559	EA	6" Polyvinyl Chloride (PVC) DWV Sanitary Tees	285.27	60.58
		For Work In Restricted Working Space, Add	*27.30*	
22 13 16 00-0560	EA	8" Polyvinyl Chloride (PVC) DWV Sanitary Tees	373.64	81.58
		For Work In Restricted Working Space, Add	*36.75*	

22 13 16 00-0561 Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees *(22 13 16 00-0529)*

22 13 16 00-0562	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	46.58	25.48
		For Work In Restricted Working Space, Add	*11.48*	
22 13 16 00-0563	EA	2" x 1-1/2" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	53.02	27.63
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0564	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	48.12	27.63
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0565	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	65.21	34.54
		For Work In Restricted Working Space, Add	*15.54*	
22 13 16 00-0566	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	67.84	36.69
		For Work In Restricted Working Space, Add	*16.52*	
22 13 16 00-0567	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	76.35	38.82
		For Work In Restricted Working Space, Add	*17.50*	
22 13 16 00-0568	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	106.88	41.07
		For Work In Restricted Working Space, Add	*18.48*	
22 13 16 00-0569	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	128.29	44.43
		For Work In Restricted Working Space, Add	*20.02*	
22 13 16 00-0570	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	271.87	55.91
		For Work In Restricted Working Space, Add	*25.20*	
22 13 16 00-0571	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	758.98	69.91
		For Work In Restricted Working Space, Add	*31.50*	
22 13 16 00-0572	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Sanitary Tees	787.07	74.57
		For Work In Restricted Working Space, Add	*33.60*	

22 13 16 00-0573 Polyvinyl Chloride (PVC) DWV Double Sanitary Tees *(22 13 16 00-0529)*

22 13 16 00-0574	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	60.52	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0575	EA	2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	80.03	39.76
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0576	EA	3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	137.17	53.49
		For Work In Restricted Working Space, Add	*24.08*	
22 13 16 00-0577	EA	4" Polyvinyl Chloride (PVC) DWV Double Sanitary Tees	184.83	62.16
		For Work In Restricted Working Space, Add	*28.00*	

22 13 16 00-0578 Polyvinyl Chloride (PVC) DWV Reducing Double Sanitary Tees *(22 13 16 00-0529)*

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22 13 16 00-0579	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	71.54	35.47
		For Work In Restricted Working Space, Add	*15.96*	
22 13 16 00-0580	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	106.54	42.28
		For Work In Restricted Working Space, Add	*19.04*	
22 13 16 00-0581	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	121.04	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0582	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	188.93	50.97
		For Work In Restricted Working Space, Add	*22.96*	
22 13 16 00-0583	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Sanitary Tee	202.28	57.77
		For Work In Restricted Working Space, Add	*26.04*	

22 13 16 00-0584 Polyvinyl Chloride (PVC) DWV Reducers *(22 13 16 00-0529)*

22 13 16 00-0585	EA	2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	31.75	17.74
		For Work In Restricted Working Space, Add	*7.98*	
22 13 16 00-0586	EA	3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducers	48.17	21.10
		For Work In Restricted Working Space, Add	*9.52*	
22 13 16 00-0587	EA	3" x 2" Polyvinyl Chloride (PVC) DWV Reducers	48.76	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0588	EA	4" x 2" Polyvinyl Chloride (PVC) DWV Reducers	65.48	25.48
		For Work In Restricted Working Space, Add	*11.48*	
22 13 16 00-0589	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Reducers	71.85	28.93
		For Work In Restricted Working Space, Add	*13.02*	
22 13 16 00-0590	EA	6" x 3" Polyvinyl Chloride (PVC) DWV Reducers	194.14	33.60
		For Work In Restricted Working Space, Add	*15.12*	
22 13 16 00-0591	EA	6" x 4" Polyvinyl Chloride (PVC) DWV Reducers	169.11	35.75
		For Work In Restricted Working Space, Add	*16.10*	
22 13 16 00-0592	EA	8" x 4" Polyvinyl Chloride (PVC) DWV Reducers	380.92	42.75
		For Work In Restricted Working Space, Add	*19.25*	
22 13 16 00-0593	EA	8" x 6" Polyvinyl Chloride (PVC) DWV Reducers	331.79	47.42
		For Work In Restricted Working Space, Add	*21.35*	
22 13 16 00-0594	EA	10" x 6" Polyvinyl Chloride (PVC) DWV Reducers	439.50	56.47
		For Work In Restricted Working Space, Add	*25.43*	
22 13 16 00-0595	EA	10" x 8" Polyvinyl Chloride (PVC) DWV Reducers	361.39	63.47
		For Work In Restricted Working Space, Add	*28.58*	

22 13 16 00-0596 Polyvinyl Chloride (PVC) DWV P-Traps *(22 13 16 00-0529)*

22 13 16 00-0597	EA	1-1/2" Polyvinyl Chloride (PVC) DWV P-Traps	44.01	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0598	EA	2" Polyvinyl Chloride (PVC) DWV P-Traps	57.07	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0599	EA	3" Polyvinyl Chloride (PVC) DWV P-Traps	121.31	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0600	EA	4" Polyvinyl Chloride (PVC) DWV P-Traps	215.53	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0601	EA	6" Polyvinyl Chloride (PVC) DWV P-Traps	348.29	60.58
		For Work In Restricted Working Space, Add	*27.30*	

22 13 16 00-0602 Polyvinyl Chloride (PVC) DWV Closet Flanges *(22 13 16 00-0529)*

22 13 16 00-0603	EA	4" Polyvinyl Chloride (PVC) DWV Closet Flanges	63.94	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0604	EA	4" x 3" Polyvinyl Chloride (PVC) DWV Closet Flanges	55.47	28.93
		For Work In Restricted Working Space, Add	*13.02*	

22 13 16 00-0605 Polyvinyl Chloride (PVC) DWV Wyes *(22 13 16 00-0529)*

22 13 16 00-0606	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Wyes	44.20	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0607	EA	2" Polyvinyl Chloride (PVC) DWV Wyes	54.05	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0608	EA	3" Polyvinyl Chloride (PVC) DWV Wyes	81.13	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0609	EA	4" Polyvinyl Chloride (PVC) DWV Wyes	109.00	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0610	EA	6" Polyvinyl Chloride (PVC) DWV Wyes	264.29	60.58
		For Work In Restricted Working Space, Add	*27.30*	
22 13 16 00-0611	EA	8" Polyvinyl Chloride (PVC) DWV Wyes	333.79	81.58
		For Work In Restricted Working Space, Add	*36.75*	
22 13 16 00-0612	EA	10" Polyvinyl Chloride (PVC) DWV Wyes	440.59	108.74
		For Work In Restricted Working Space, Add	*49.00*	

22 13 16 00-0613 Polyvinyl Chloride (PVC) DWV Reducing Wyes *(22 13 16 00-0529)*

22 13 16 00-0614	EA	2" x 1-1/2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	54.70	25.48
		For Work In Restricted Working Space, Add	*11.48*	
22 13 16 00-0615	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	57.82	27.63
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0616	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	77.37	34.54
		For Work In Restricted Working Space, Add	*15.54*	
22 13 16 00-0617	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	71.25	36.69
		For Work In Restricted Working Space, Add	*16.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0618	EA	4" x 4" x 1-1/2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	98.94	38.82
		For Work In Restricted Working Space, Add	*17.50*	
22 13 16 00-0619	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Reducing Wyes	92.93	41.07
		For Work In Restricted Working Space, Add	*18.48*	
22 13 16 00-0620	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	103.31	44.43
		For Work In Restricted Working Space, Add	*20.02*	
22 13 16 00-0621	EA	6" x 6" x 3" Polyvinyl Chloride (PVC) DWV Reducing Wyes	237.94	53.76
		For Work In Restricted Working Space, Add	*24.22*	
22 13 16 00-0622	EA	6" x 6" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	285.05	55.91
		For Work In Restricted Working Space, Add	*25.20*	
22 13 16 00-0623	EA	8" x 8" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	286.10	69.91
		For Work In Restricted Working Space, Add	*31.50*	
22 13 16 00-0624	EA	8" x 8" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	348.96	74.57
		For Work In Restricted Working Space, Add	*33.60*	
22 13 16 00-0625	EA	10" x 10" x 4" Polyvinyl Chloride (PVC) DWV Reducing Wyes	336.26	88.02
		For Work In Restricted Working Space, Add	*39.67*	
22 13 16 00-0626	EA	10" x 10" x 6" Polyvinyl Chloride (PVC) DWV Reducing Wyes	403.93	92.69
		For Work In Restricted Working Space, Add	*41.77*	
22 13 16 00-0627	EA	10" x 10" x 8" Polyvinyl Chloride (PVC) DWV Reducing Wyes	462.88	99.68
		For Work In Restricted Working Space, Add	*44.92*	

22 13 16 00-0628 Polyvinyl Chloride (PVC) DWV Double Wyes *(22 13 16 00-0529)*

22 13 16 00-0629	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Wyes	66.26	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0630	EA	2" Polyvinyl Chloride (PVC) DWV Double Wyes	84.93	39.76
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0631	EA	3" Polyvinyl Chloride (PVC) DWV Double Wyes	145.34	53.49
		For Work In Restricted Working Space, Add	*24.08*	
22 13 16 00-0632	EA	4" Polyvinyl Chloride (PVC) DWV Double Wyes	225.25	62.16
		For Work In Restricted Working Space, Add	*28.00*	
22 13 16 00-0633	EA	6" Polyvinyl Chloride (PVC) DWV Double Wyes	420.09	80.84
		For Work In Restricted Working Space, Add	*36.40*	
22 13 16 00-0634	EA	8" Polyvinyl Chloride (PVC) DWV Double Wyes	500.51	108.83
		For Work In Restricted Working Space, Add	*49.01*	
22 13 16 00-0635	EA	10" Polyvinyl Chloride (PVC) DWV Double Wyes	755.05	145.05
		For Work In Restricted Working Space, Add	*65.33*	

22 13 16 00-0636 Polyvinyl Chloride (PVC) DWV Reducing Double Wyes *(22 13 16 00-0529)*

22 13 16 00-0637	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	76.21	35.47
		For Work In Restricted Working Space, Add	*15.96*	
22 13 16 00-0638	EA	3" x 3" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Wyes	120.56	42.28
		For Work In Restricted Working Space, Add	*19.04*	
22 13 16 00-0639	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	118.45	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0640	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Wyes	155.62	50.97
		For Work In Restricted Working Space, Add	*22.96*	
22 13 16 00-0641	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Wyes	191.26	57.77
		For Work In Restricted Working Space, Add	*26.04*	
22 13 16 00-0642	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	278.89	71.50
		For Work In Restricted Working Space, Add	*32.20*	
22 13 16 00-0643	EA	8" x 8" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	328.10	85.49
		For Work In Restricted Working Space, Add	*38.50*	
22 13 16 00-0644	EA	8" x 8" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	404.97	94.83
		For Work In Restricted Working Space, Add	*42.70*	
22 13 16 00-0645	EA	10" x 10" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Wyes	430.98	103.61
		For Work In Restricted Working Space, Add	*46.67*	
22 13 16 00-0646	EA	10" x 10" x 6" x 6" Polyvinyl Chloride (PVC) DWV Double Wyes	540.09	112.94
		For Work In Restricted Working Space, Add	*50.87*	
22 13 16 00-0647	EA	10" x 10" x 8" x 8" Polyvinyl Chloride (PVC) DWV Double Wyes	644.43	126.94
		For Work In Restricted Working Space, Add	*57.17*	

22 13 16 00-0648 Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends *(22 13 16 00-0529)*

22 13 16 00-0649	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	49.94	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0650	EA	2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	63.01	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0651	EA	3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	108.05	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0652	EA	4" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	169.36	46.67
		For Work In Restricted Working Space, Add	*21.00*	

22 13 16 00-0653 Polyvinyl Chloride (PVC) DWV Reducing Combination Wye And 1/8 Bends *(22 13 16 00-0529)*

22 13 16 00-0654	EA	2" x 2" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	79.24	27.63
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0655	EA	3" x 3" x 1-1/2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	117.30	34.54
		For Work In Restricted Working Space, Add	*15.54*	
22 13 16 00-0656	EA	3" x 3" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	96.01	36.69
		For Work In Restricted Working Space, Add	*16.52*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0657	EA	4" x 4" x 2" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	152.69	41.07
		For Work In Restricted Working Space, Add	*18.48*	
22 13 16 00-0658	EA	4" x 4" x 3" Polyvinyl Chloride (PVC) DWV Combination Wye And 1/8 Bends	165.39	44.43
		For Work In Restricted Working Space, Add	*20.02*	

22 13 16 00-0659 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends *(22 13 16 00-0529)*

22 13 16 00-0660	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	70.72	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0661	EA	2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	85.42	39.76
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0662	EA	3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	124.90	53.49
		For Work In Restricted Working Space, Add	*24.08*	
22 13 16 00-0663	EA	4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	328.47	62.16
		For Work In Restricted Working Space, Add	*28.00*	
22 13 16 00-0664	EA	6" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	974.98	80.84
		For Work In Restricted Working Space, Add	*36.40*	

22 13 16 00-0665 Polyvinyl Chloride (PVC) DWV Reducing Double Combination Wye And 1/8 Bends *(22 13 16 00-0529)*

22 13 16 00-0666	EA	2" x 2" x 1-1/2" x 1-1/2 Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	131.88	35.47
		For Work In Restricted Working Space, Add	*15.96*	
22 13 16 00-0667	EA	3" x 3" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	203.32	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0668	EA	4" x 4" x 2" x 2" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	324.98	50.97
		For Work In Restricted Working Space, Add	*22.96*	
22 13 16 00-0669	EA	4" x 4" x 3" x 3" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	304.24	57.77
		For Work In Restricted Working Space, Add	*26.04*	
22 13 16 00-0670	EA	6" x 6" x 4" x 4" Polyvinyl Chloride (PVC) DWV Double Combination Wye And 1/8 Bends	665.02	71.50
		For Work In Restricted Working Space, Add	*32.20*	

22 13 16 00-0671 Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug *(22 13 16 00-0529)*

22 13 16 00-0672	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	88.60	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0673	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	143.87	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0674	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	215.55	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0675	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	513.91	60.58
		For Work In Restricted Working Space, Add	*27.30*	
22 13 16 00-0676	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	649.05	81.58
		For Work In Restricted Working Space, Add	*36.75*	
22 13 16 00-0677	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Tees With Plug	861.77	108.74
		For Work In Restricted Working Space, Add	*49.00*	

22 13 16 00-0678 Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug *(22 13 16 00-0529)*

22 13 16 00-0679	EA	1-1/2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	30.91	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0680	EA	2" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	42.09	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0681	EA	3" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	58.94	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0682	EA	4" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	90.85	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0683	EA	6" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	181.95	40.42
		For Work In Restricted Working Space, Add	*18.20*	
22 13 16 00-0684	EA	8" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	377.39	54.42
		For Work In Restricted Working Space, Add	*24.50*	
22 13 16 00-0685	EA	10" Polyvinyl Chloride (PVC) DWV Cleanout Adapters With Plug	671.39	72.53
		For Work In Restricted Working Space, Add	*32.65*	

22 13 16 00-0686 Polyvinyl Chloride (PVC) Couplings *(22 13 16 00-0529)*

22 13 16 00-0687	EA	1-1/2" Polyvinyl Chloride (PVC) Couplings	25.58	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0688	EA	2" Polyvinyl Chloride (PVC) Couplings	32.39	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0689	EA	3" Polyvinyl Chloride (PVC) Couplings	46.59	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0690	EA	4" Polyvinyl Chloride (PVC) Couplings	57.27	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0691	EA	6" Polyvinyl Chloride (PVC) Couplings	119.16	40.42
		For Work In Restricted Working Space, Add	*18.20*	
22 13 16 00-0692	EA	8" Polyvinyl Chloride (PVC) Couplings	250.65	54.42
		For Work In Restricted Working Space, Add	*24.50*	
22 13 16 00-0693	EA	10" Polyvinyl Chloride (PVC) Couplings	370.75	72.53
		For Work In Restricted Working Space, Add	*32.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

22 13 16 00-0694 Polyvinyl Chloride (PVC) Male Adapters *(22 13 16 00-0529)*

22 13 16 00-0695	EA	1-1/2" Polyvinyl Chloride (PVC) Male Adapters	13.94	7.74
22 13 16 00-0696	EA	2" Polyvinyl Chloride (PVC) Male Adapters	20.52	9.98
22 13 16 00-0697	EA	3" Polyvinyl Chloride (PVC) Male Adapters	35.56	13.35
22 13 16 00-0698	EA	4" Polyvinyl Chloride (PVC) Male Adapters	58.84	15.59

22 13 16 00-0699 Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe *(22 13 16 00-0503)*

Note: In place piping.

22 13 16 00-0700	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	6.84	
22 13 16 00-0701	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	7.53	
22 13 16 00-0702	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	9.57	
22 13 16 00-0703	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	12.92	
22 13 16 00-0704	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	18.46	
22 13 16 00-0705	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	24.63	
22 13 16 00-0706	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) DWV Pipe	30.11	

22 13 16 00-0707 Acrylonitrile Butadiene Styrene (ABS) Drain-Waste-Vent (DWV) Pipe And Fittings *(22 13 16)*

Note: Aboveground installation.

22 13 16 00-0708 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assemblies

(22 13 16 00-0707)

Note: Includes all hangers and couplings, elbow, tee and reducer fittings. All hangers are complete assemblies installed in accordance with uniform plumbing code. Not for use where detail is available.

22 13 16 00-0709	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	20.02	3.92
		For Work In Restricted Working Space, Add	*5.37*	
22 13 16 00-0710	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	22.20	4.67
		For Work In Restricted Working Space, Add	*5.95*	
22 13 16 00-0711	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	28.94	6.72
		For Work In Restricted Working Space, Add	*7.39*	
22 13 16 00-0712	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	32.77	7.28
		For Work In Restricted Working Space, Add	*8.21*	
22 13 16 00-0713	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV Pipe Assembly Note: Includes all fittings, couplings and hangers. Fittings are assumed every 10'. Not for use where detail is available.	49.44	9.34
		For Work In Restricted Working Space, Add	*10.91*	

22 13 16 00-0714 Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe (ASTM F-628) *(22 13 16 00-0707)*

Note: Excludes fittings or hangers.

22 13 16 00-0715	LF	1-1/2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	6.99	3.92
		For Work In Restricted Working Space, Add	*1.75*	
22 13 16 00-0716	LF	2" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	8.55	4.67
		For Work In Restricted Working Space, Add	*2.10*	
22 13 16 00-0717	LF	3" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	13.26	6.72
		For Work In Restricted Working Space, Add	*3.01*	
22 13 16 00-0718	LF	4" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	15.51	7.28
		For Work In Restricted Working Space, Add	*3.27*	
22 13 16 00-0719	LF	6" Schedule 40 Acrylonitrile Butadiene Styrene (ABS) DWV "Foam-Core" Pipe	22.93	9.02
		For Work In Restricted Working Space, Add	*4.05*	

22 13 16 00-0720 Acrylonitrile Butadiene Styrene (ABS) DWV Fittings (ASTM D-2661) *(22 13 16 00-0707)*

22 13 16 00-0721 Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends *(22 13 16 00-0720)*

22 13 16 00-0722	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	28.29	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0723	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	36.93	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0724	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	61.92	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0725	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	89.35	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0726	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/4 Bends	219.97	40.42
		For Work In Restricted Working Space, Add	*18.20*	

22 13 16 00-0727 Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends *(22 13 16 00-0720)*

22 13 16 00-0728	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	35.13	15.59
		For Work In Restricted Working Space, Add	*7.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0729	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	43.62	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0730	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	78.53	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0731	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Long Sweep 1/4 Bends	122.39	31.08
		For Work In Restricted Working Space, Add	*14.00*	

22 13 16 00-0732 Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends *(22 13 16 00-0720)*

22 13 16 00-0733	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	29.22	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0734	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	36.28	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0735	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	58.52	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0736	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	83.06	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0737	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV 1/8 Bends	226.60	40.42
		For Work In Restricted Working Space, Add	*18.20*	

22 13 16 00-0738 Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees *(22 13 16 00-0720)*

22 13 16 00-0739	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	43.43	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0740	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	57.47	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0741	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	92.48	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0742	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	132.03	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0743	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Sanitary Tees	427.16	60.58
		For Work In Restricted Working Space, Add	*27.30*	

22 13 16 00-0744 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees *(22 13 16 00-0720)*

22 13 16 00-0745	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	51.71	25.48
		For Work In Restricted Working Space, Add	*11.48*	
22 13 16 00-0746	EA	2" x 1-1/2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	60.41	27.63
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0747	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	53.68	27.63
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0748	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	76.45	34.54
		For Work In Restricted Working Space, Add	*15.54*	
22 13 16 00-0749	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	79.95	36.69
		For Work In Restricted Working Space, Add	*16.52*	
22 13 16 00-0750	EA	4" x 4" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	147.73	38.82
		For Work In Restricted Working Space, Add	*17.50*	
22 13 16 00-0751	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	145.05	41.07
		For Work In Restricted Working Space, Add	*18.48*	
22 13 16 00-0752	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	164.58	44.43
		For Work In Restricted Working Space, Add	*20.02*	
22 13 16 00-0753	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Sanitary Tees	459.85	55.91
		For Work In Restricted Working Space, Add	*25.20*	

22 13 16 00-0754 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees *(22 13 16 00-0720)*

22 13 16 00-0755	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	72.27	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0756	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	97.09	39.76
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0757	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	185.19	53.49
		For Work In Restricted Working Space, Add	*24.08*	
22 13 16 00-0758	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	261.50	62.16
		For Work In Restricted Working Space, Add	*28.00*	

22 13 16 00-0759 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Sanitary Tees *(22 13 16 00-0720)*

22 13 16 00-0760	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	82.24	35.47
		For Work In Restricted Working Space, Add	*15.96*	
22 13 16 00-0761	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	116.95	42.28
		For Work In Restricted Working Space, Add	*19.04*	
22 13 16 00-0762	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	133.28	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0763	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	213.33	49.26
		For Work In Restricted Working Space, Add	*22.19*	
22 13 16 00-0764	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Sanitary Tees	227.10	55.84
		For Work In Restricted Working Space, Add	*25.17*	

22 13 16 00-0765 Acrylonitrile Butadiene Styrene (ABS) DWV Wyes *(22 13 16 00-0720)*

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22 13 16 00-0766	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	51.97	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0767	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	62.22	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0768	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	98.76	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0769	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	141.84	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0770	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Wyes	354.58	60.58
		For Work In Restricted Working Space, Add	*27.30*	

22 13 16 00-0771 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes *(22 13 16 00-0720)*

22 13 16 00-0772	EA	2" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	68.54	25.48
		For Work In Restricted Working Space, Add	*11.48*	
22 13 16 00-0773	EA	2" x 2" X 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	71.50	27.63
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0774	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	85.03	36.69
		For Work In Restricted Working Space, Add	*16.52*	
22 13 16 00-0775	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	119.32	41.07
		For Work In Restricted Working Space, Add	*18.48*	
22 13 16 00-0776	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	134.17	44.43
		For Work In Restricted Working Space, Add	*20.02*	
22 13 16 00-0777	EA	6" x 6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Wyes	301.77	55.91
		For Work In Restricted Working Space, Add	*25.20*	

22 13 16 00-0778 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes *(22 13 16 00-0720)*

22 13 16 00-0779	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	82.76	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0780	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	106.16	39.76
		For Work In Restricted Working Space, Add	*17.92*	
22 13 16 00-0781	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	200.27	53.49
		For Work In Restricted Working Space, Add	*24.08*	
22 13 16 00-0782	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	336.42	62.16
		For Work In Restricted Working Space, Add	*28.00*	

22 13 16 00-0783 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Wyes *(22 13 16 00-0720)*

22 13 16 00-0784	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	95.59	35.47
		For Work In Restricted Working Space, Add	*15.96*	
22 13 16 00-0785	EA	3" x 3" x 1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	148.11	42.28
		For Work In Restricted Working Space, Add	*19.04*	
22 13 16 00-0786	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	159.10	46.67
		For Work In Restricted Working Space, Add	*21.00*	
22 13 16 00-0787	EA	4" x 4" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	222.28	50.97
		For Work In Restricted Working Space, Add	*22.96*	
22 13 16 00-0788	EA	4" x 4" x 3" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Wyes	279.32	57.77
		For Work In Restricted Working Space, Add	*26.04*	

22 13 16 00-0789 Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bend *(22 13 16 00-0720)*

22 13 16 00-0790	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	62.10	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0791	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	80.02	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0792	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	118.23	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0793	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	181.59	45.11
		For Work In Restricted Working Space, Add	*20.30*	

22 13 16 00-0794 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Combination Wye And 1/8 Bend *(22 13 16 00-0720)*

22 13 16 00-0795	EA	2" x 2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	70.06	27.63
		For Work In Restricted Working Space, Add	*12.46*	
22 13 16 00-0796	EA	3" x 3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	119.34	34.54
		For Work In Restricted Working Space, Add	*15.54*	
22 13 16 00-0797	EA	3" x 3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	97.28	36.69
		For Work In Restricted Working Space, Add	*16.52*	
22 13 16 00-0798	EA	4" x 4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	155.63	41.07
		For Work In Restricted Working Space, Add	*18.48*	
22 13 16 00-0799	EA	4" x 4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Combination Wye And 1/8 Bends	168.55	44.43
		For Work In Restricted Working Space, Add	*20.02*	

22 13 16 00-0800 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bend *(22 13 16 00-0720)*

22 13 16 00-0801	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	123.50	39.76
		For Work In Restricted Working Space, Add	*17.92*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0802	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	227.34	53.49
		For Work In Restricted Working Space, Add	*24.08*	

22 13 16 00-0803 Acrylonitrile Butadiene Styrene (ABS) DWV Reducing Double Combination Wye And 1/8 Bend *(22 13 16 00-0720)*

22 13 16 00-0804	EA	2" x 2" x 1-1/2" x 1-1/2 Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	104.51	35.47
		For Work In Restricted Working Space, Add	*15.96*	
22 13 16 00-0805	EA	3" x 3" x 2" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Double Combination Wye And 1/8 Bends	214.57	46.67
		For Work In Restricted Working Space, Add	*21.00*	

22 13 16 00-0806 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug *(22 13 16 00-0720)*

22 13 16 00-0807	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	66.88	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0808	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	84.80	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0809	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	128.90	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0810	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Tees With Plug	198.43	46.67
		For Work In Restricted Working Space, Add	*21.00*	

22 13 16 00-0811 Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug *(22 13 16 00-0720)*

22 13 16 00-0812	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	34.27	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0813	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	47.51	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0814	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	67.24	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0815	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	110.48	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0816	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Cleanout Adapters With Plug	235.84	40.42
		For Work In Restricted Working Space, Add	*18.20*	

22 13 16 00-0817 Acrylonitrile Butadiene Styrene (ABS) DWV Couplings *(22 13 16 00-0720)*

22 13 16 00-0818	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	27.11	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0819	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	33.84	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0820	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	50.94	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0821	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	64.48	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0822	EA	6" Acrylonitrile Butadiene Styrene (ABS) DWV Couplings	148.71	40.42
		For Work In Restricted Working Space, Add	*18.20*	

22 13 16 00-0823 Acrylonitrile Butadiene Styrene (ABS) DWV Reducers *(22 13 16 00-0720)*

22 13 16 00-0824	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	36.15	17.74
		For Work In Restricted Working Space, Add	*7.98*	
22 13 16 00-0825	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	62.01	21.10
		For Work In Restricted Working Space, Add	*9.52*	
22 13 16 00-0826	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	60.38	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0827	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	88.34	25.48
		For Work In Restricted Working Space, Add	*11.48*	
22 13 16 00-0828	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Reducers	95.78	28.93
		For Work In Restricted Working Space, Add	*13.02*	

22 13 16 00-0829 Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps *(22 13 16 00-0720)*

22 13 16 00-0830	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	53.51	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0831	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	74.76	29.87
		For Work In Restricted Working Space, Add	*13.44*	
22 13 16 00-0832	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	197.44	40.14
		For Work In Restricted Working Space, Add	*18.06*	
22 13 16 00-0833	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV P-Traps	351.18	46.67
		For Work In Restricted Working Space, Add	*21.00*	

22 13 16 00-0834 Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges *(22 13 16 00-0720)*

22 13 16 00-0835	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	72.52	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0836	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Closet Flanges	67.64	28.93
		For Work In Restricted Working Space, Add	*13.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0837		**Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters** *(22 13 16 00-0720)*		
22 13 16 00-0838	EA	1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	16.48	7.74
		For Work In Restricted Working Space, Add	*3.50*	
22 13 16 00-0839	EA	2" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	23.45	9.98
		For Work In Restricted Working Space, Add	*4.48*	
22 13 16 00-0840	EA	3" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	44.89	13.35
		For Work In Restricted Working Space, Add	*6.02*	
22 13 16 00-0841	EA	4" Acrylonitrile Butadiene Styrene (ABS) DWV Male Adapters	78.25	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0842		**Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushings** *(22 13 16 00-0720)*		
22 13 16 00-0843	EA	2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	30.57	17.74
		For Work In Restricted Working Space, Add	*7.98*	
22 13 16 00-0844	EA	3" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	53.16	21.10
		For Work In Restricted Working Space, Add	*9.52*	
22 13 16 00-0845	EA	3" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	48.61	23.34
		For Work In Restricted Working Space, Add	*10.50*	
22 13 16 00-0846	EA	4" x 2" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	87.65	25.48
		For Work In Restricted Working Space, Add	*11.48*	
22 13 16 00-0847	EA	4" x 3" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	72.02	28.93
		For Work In Restricted Working Space, Add	*13.02*	
22 13 16 00-0848	EA	6" x 4" Acrylonitrile Butadiene Styrene (ABS) DWV Flush Bushing	164.08	34.55
		For Work In Restricted Working Space, Add	*15.56*	
22 13 16 00-0849		**Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Couplings** *(22 13 16 00-0720)*		
22 13 16 00-0850	EA	1-1/2" x 1-1/2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	60.45	15.59
		For Work In Restricted Working Space, Add	*7.00*	
22 13 16 00-0851	EA	2" x 2" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	69.45	19.89
		For Work In Restricted Working Space, Add	*8.96*	
22 13 16 00-0852	EA	3" x 3" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	82.20	26.69
		For Work In Restricted Working Space, Add	*12.04*	
22 13 16 00-0853	EA	4" x 4" Acrylonitrile Butadiene Styrene (ABS) To Polyvinyl Chloride (PVC) Flexible Coupling	91.20	31.08
		For Work In Restricted Working Space, Add	*14.00*	
22 13 16 00-0854		**Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe** *(22 13 16 00-0707)* Note: In place piping.		
22 13 16 00-0855	EA	1-1/2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	6.84	
22 13 16 00-0856	EA	2", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	7.53	
22 13 16 00-0857	EA	3", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	9.57	
22 13 16 00-0858	EA	4", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	12.92	
22 13 16 00-0859	EA	6", Cut And Prepare Existing Acrylonitrile Butadiene Styrene (ABS) DWV Pipe	18.46	
22 13 16 00-0860		**Elastomeric Flexible Pipe Couplings** *(22 13 16)*		
22 13 16 00-0861		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Couplings** *(22 13 16 00-0860)* Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0862	EA	1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-125)	14.28	4.05
22 13 16 00-0863	EA	1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-150)	15.46	4.30
22 13 16 00-0864	EA	2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-22)	16.22	4.56
22 13 16 00-0865	EA	3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-33)	19.22	4.82
22 13 16 00-0866	EA	4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-44)	22.15	5.07
22 13 16 00-0867	EA	5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-55)	29.46	5.32
22 13 16 00-0868	EA	6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-66)	36.83	5.57
22 13 16 00-0869	EA	8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-88)	51.67	6.08
22 13 16 00-0870	EA	10" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Pipe Coupling (Fernco 1056-1010)	69.10	7.10
22 13 16 00-0871		**Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Couplings** *(22 13 16 00-0860)* Note: For cast iron or plastic to cast iron or plastic pipe (Cast Iron/Plastic To Cast Iron/Plastic). Includes stainless steel clamps.		
22 13 16 00-0872	EA	1-1/2" x 1-1/4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-150/125)	15.22	4.30
22 13 16 00-0873	EA	2" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-215)	16.62	4.56
22 13 16 00-0874	EA	3" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-315)	21.20	4.82
22 13 16 00-0875	EA	3" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-32)	18.50	4.82
22 13 16 00-0876	EA	4" x 1-1/2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-415)	27.02	5.07
22 13 16 00-0877	EA	4" x 2" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-42)	25.64	5.07
22 13 16 00-0878	EA	4" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-43)	23.07	5.07
22 13 16 00-0879	EA	5" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-53)	35.49	5.32
22 13 16 00-0880	EA	5" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-54)	31.56	5.32
22 13 16 00-0881	EA	6" x 3" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-63)	44.94	5.57
22 13 16 00-0882	EA	6" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-64)	39.07	5.57
22 13 16 00-0883	EA	6" x 5" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-65)	40.70	5.57

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 16 00-0884	EA	8" x 4" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-84)	80.72	10.14
22 13 16 00-0885	EA	8" x 6" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-86)	64.43	10.14
22 13 16 00-0886	EA	10" x 8" Cast Iron/Plastic To Cast Iron/Plastic, Elastomeric Flexible Reducing Pipe Coupling (Fernco 1056-10-8)	82.94	11.40

22 13 16 00-0887 Elastomeric Flexible Pipe Caps (Fernco QC) *(22 13 16)*

Note: For cast iron, steel, copper or plastic pipe. Includes stainless steel clamp.

22 13 16 00-0888	EA	1-1/2" Elastomeric Flexible Pipe Cap (Fernco QC-101)	47.09	27.36
22 13 16 00-0889	EA	2" Elastomeric Flexible Pipe Cap (Fernco QC-102)	50.75	29.09
22 13 16 00-0890	EA	3" Elastomeric Flexible Pipe Cap (Fernco QC-103)	59.05	33.34
22 13 16 00-0891	EA	4" Elastomeric Flexible Pipe Cap (Fernco QC-104)	77.79	44.08
22 13 16 00-0892	EA	5" Elastomeric Flexible Pipe Cap (Fernco QC-105)	93.42	52.70
22 13 16 00-0893	EA	6" Elastomeric Flexible Pipe Cap (Fernco QC-106)	106.99	60.81
22 13 16 00-0894	EA	8" Elastomeric Flexible Pipe Cap (Fernco QC-108)	147.42	77.02
22 13 16 00-0895	EA	10" Elastomeric Flexible Pipe Cap (Fernco QC-110)	188.27	86.14
22 13 16 00-0896	EA	12" Elastomeric Flexible Pipe Cap (Fernco QC-112)	249.84	95.77

22 13 16 00-0897 Seamless Pipe Vent Flashing For Multiple Pipe *(22 13 16)*

Note: Elmdor/Stoneman #910.

22 13 16 00-0898	EA	Multi Flash Assembly; Elmdor/Stoneman #910-6 STD - 4 LB	385.77	106.41
22 13 16 00-0899	EA	Multi Flash Assembly; Elmdor/Stoneman #910-6 STD - 6 LB	400.36	106.41
22 13 16 00-0900	EA	Multi Flash Assembly; Elmdor/Stoneman #910-8 SK - 4 LB	434.46	124.15
22 13 16 00-0901	EA	Multi Flash Assembly; Elmdor/Stoneman #910-8 SK - 6 LB	454.93	124.15
22 13 16 00-0902	EA	Multi Flash Assembly; Elmdor/Stoneman #910-10 SK - 4 LB	494.03	144.42
22 13 16 00-0903	EA	Multi Flash Assembly; Elmdor/Stoneman #910-10 SK - 6 LB	521.92	144.42

22 13 16 00-0904 Cast Iron Vent Stack Flashing Sleeves With Caulking Recess (Josam 26450 Series) *(22 13 16)*

22 13 16 00-0905	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	86.87	21.01
22 13 16 00-0906	EA	2" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	91.54	23.34
22 13 16 00-0907	EA	3" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	137.59	30.33
22 13 16 00-0908	EA	4" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	161.36	35.00
22 13 16 00-0909	EA	5" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	188.30	39.67
22 13 16 00-0910	EA	6" Cast Iron Vent Stack Flashing Sleeves With Caulking Recess	319.43	44.34

22 13 16 00-0911 Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess (Josam 26440 Series) *(22 13 16)*

22 13 16 00-0912	EA	1-1/2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	172.44	21.01
22 13 16 00-0913	EA	2" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	177.11	23.34
22 13 16 00-0914	EA	3" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	210.61	30.33
22 13 16 00-0915	EA	4" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	263.42	35.00
22 13 16 00-0916	EA	5" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	359.71	39.67
22 13 16 00-0917	EA	6" Cast Iron Vent Stack Flashing Sleeves With Counterflashing Recess	369.05	44.34

22 13 16 00-0918 Cast Iron Vandal Proof Hooded Vent Cap (Josam 26700 Series) *(22 13 16)*

Note: Includes counterflashing collar, deep protective hood and recessed securing screws.

22 13 16 00-0919	EA	1-1/2" Cast Iron Vandal Proof Hooded Vent Cap	328.39	21.01
22 13 16 00-0920	EA	2" Cast Iron Vandal Proof Hooded Vent Cap	333.06	23.34
22 13 16 00-0921	EA	3" Cast Iron Vandal Proof Hooded Vent Cap	382.86	30.33
22 13 16 00-0922	EA	4" Cast Iron Vandal Proof Hooded Vent Cap	430.99	35.00
22 13 16 00-0923	EA	5" Cast Iron Vandal Proof Hooded Vent Cap	502.96	39.67
22 13 16 00-0924	EA	6" Cast Iron Vandal Proof Hooded Vent Cap	549.60	44.34

22 13 19 Sanitary Waste Piping Specialties *(22 13)*

22 13 19 13 Sanitary Drains *(22 13 19)*

22 13 19 13-0001 Round Top Floor Drains *(22 13 19 13)*

22 13 19 13-0002	EA	Bronze Top, 6" Round Top Floor Drain With 1-1/2" Outlet	625.11	100.34
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0003	EA	Bronze Top, 6" Round Top Floor Drain With 2" Outlet	687.32	112.47
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0004	EA	Bronze Top, 6" Round Top Floor Drain With 3" Outlet	673.36	124.42
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0005	EA	Bronze Top, 6" Round Top Floor Drain With 4" Outlet	698.99	137.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0006	EA	Cast Iron Top, 9" Round Top Floor Drain With 2" Outlet	629.81	112.47
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0007	EA	Cast Iron Top, 9" Round Top Floor Drain With 3" Outlet	653.80	124.42
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0008	EA	Cast Iron Top, 9" Round Top Floor Drain With 4" Outlet	679.43	137.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0009	EA	Nikaloy Top, 9" Round Top Floor Drain With 2" Outlet	1,032.76	112.47
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0010	EA	Nikaloy Top, 9" Round Top Floor Drain With 3" Outlet	1,056.75	124.42
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0011	EA	Nikaloy Top, 9" Round Top Floor Drain With 4" Outlet	1,082.38	137.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0012	EA	Bronze Top, 9" Round Top Floor Drain With 2" Outlet	974.08	112.47
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0013	EA	Bronze Top, 9" Round Top Floor Drain With 3" Outlet	997.94	124.42
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	
22 13 19 13-0014	EA	Bronze Top, 9" Round Top Floor Drain With 4" Outlet	1,023.70	137.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*48.00*	
		For Cast Iron Dome Grate, Add	*17.00*	
		For Nikaloy Dome Grate, Add	*178.50*	
		For Bronze Dome Grate, Add	*143.00*	
		For Cast Iron Extension Collar, Each 3" (76 mm), Add	*57.50*	
		For Galvanized Extension Collar, Each 3", Add	*117.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0015	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,067.87	112.38
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0016	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,091.83	124.42
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0017	EA	Cast Iron Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,117.59	137.30
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0018	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,670.33	112.38
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0019	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,694.29	124.42
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0020	EA	Nikaloy Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,720.05	137.30
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0021	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 2" Outlet	1,590.13	112.38
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0022	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 3" Outlet	1,614.09	124.42
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	
22 13 19 13-0023	EA	Bronze Top, 12-5/8" Round Top Floor Drain With 4" Outlet	1,639.85	137.30
		For Primer Tap, Add	*33.50*	
		For Chained Grate, Add	*48.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*53.00*	
		For Cast Iron Dome Grate, Add	*28.00*	
		For Nikaloy Dome Grate, Add	*255.00*	
		For Bronze Dome Grate, Add	*218.50*	
		For Cast Iron Extension Collar, Each 2", Add	*51.00*	
		For Galvanized Extension Collar, Each 2", Add	*102.50*	
		For Galvanized Cast Iron Parts, Add	*132.00*	

22 13 19 13-0024 Square Or Rectangular Top Drains *(22 13 19 13)*

22 13 19 13-0025	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Nikaloy Top	741.21	112.38
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0026	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Nikaloy Top	765.43	124.51
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0027	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Nikaloy Top	790.93	137.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0028	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Nikaloy Top	799.89	112.38
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0029	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Nikaloy Top	824.11	124.51
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0030	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Nikaloy Top	849.61	137.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0031	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,058.09	112.38
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0032	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,082.31	124.51
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0033	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,107.81	137.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0034	EA	5" x 5" Floor Drain With 2" Bottom Outlet, Bronze Top	698.17	112.38
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0035	EA	5" x 5" Floor Drain With 3" Bottom Outlet, Bronze Top	722.39	124.51
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0036	EA	5" x 5" Floor Drain With 4" Bottom Outlet, Bronze Top	747.89	137.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0037	EA	6" x 6" Floor Drain With 2" Bottom Outlet, Bronze Top	772.50	112.38
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0038	EA	6" x 6" Floor Drain With 3" Bottom Outlet, Bronze Top	796.72	124.51
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0039	EA	6" x 6" Floor Drain With 4" Bottom Outlet, Bronze Top	822.22	137.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0040	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Bronze Top	981.80	112.38
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0041	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,006.02	124.51
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0042	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Bronze Top	1,031.52	137.30
		For Sediment Bucket, Add	*22.50*	
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0043	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Cast Iron Top	2,516.09	124.51
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0044	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Cast Iron Top	2,541.59	137.30
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0045	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Nikaloy Top	3,153.76	124.51
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0046	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Nikaloy Top	3,179.26	137.30
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0047	EA	12" x 12" Can Wash Drain With 3" Bottom Outlet, Bronze Top	3,077.48	124.51
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0048	EA	12" x 12" Can Wash Drain With 4" Bottom Outlet, Bronze Top	3,102.98	137.30
		For Galvanized Cast Iron Parts, Add	*318.00*	
		For No-Hub Side Outlet, Add	*76.00*	
		For Chained Grate, Add	*48.50*	
22 13 19 13-0049	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,073.74	112.38
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0050	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,097.96	124.51
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0051	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,123.46	137.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0052	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,376.92	112.38
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0053	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,401.14	124.51
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0054	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,426.64	137.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0055	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,447.34	112.38
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0056	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Nikaloy Top	1,471.56	124.51
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0057	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Nikaloy Top	1,497.06	137.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0058	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Nikaloy Top	1,993.08	112.38
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0059	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Nikaloy Top	2,017.30	124.51
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0060	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Nikaloy Top	2,042.80	137.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0061	EA	5" x 9" Floor Drain With 2" Bottom Outlet, Bronze Top	1,011.14	112.38
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0062	EA	5" x 9" Floor Drain With 3" Bottom Outlet, Bronze Top	1,035.36	124.51
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0063	EA	5" x 9" Floor Drain With 4" Bottom Outlet, Bronze Top	1,060.86	137.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0064	EA	5" x 13" Floor Drain With 2" Bottom Outlet, Bronze Top	1,269.34	112.38
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0065	EA	5" x 13" Floor Drain With 3" Bottom Outlet, Bronze Top	1,293.56	124.51
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0066	EA	5" x 13" Floor Drain With 4" Bottom Outlet, Bronze Top	1,319.06	137.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0067	EA	5" x 16-3/4" Floor Drain With 2" Bottom Outlet, Bronze Top	1,339.76	112.38
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0068	EA	5" x 16-5/8" Floor Drain With 3" Bottom Outlet, Bronze Top	1,363.98	124.51
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0069	EA	5" x 16-3/4" Floor Drain With 4" Bottom Outlet, Bronze Top	1,389.48	137.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0070	EA	5" x 21" Floor Drain With 2" Bottom Outlet, Bronze Top	1,783.78	112.38
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0071	EA	5" x 21" Floor Drain With 3" Bottom Outlet, Bronze Top	1,808.00	124.51
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	
22 13 19 13-0072	EA	5" x 21" Floor Drain With 4" Bottom Outlet, Bronze Top	1,833.50	137.30
		For Sediment Bucket, Add	*22.50*	
		For Vandal Proof Screws, Add	*11.00*	
		For Rough Bronze Body, Add	*120.94*	

22 13 19 13-0073 Funnel Type Floor Drains *(22 13 19 13)*

22 13 19 13-0074	EA	7" Diameter Floor Drain With 4" Round Funnel With 1-1/2" Outlet, Bronze Top	1,012.49	100.34
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0075	EA	7" Diameter Floor Drain With 4" Round Funnel With 2" Outlet, Bronze Top	1,036.57	112.38
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0076	EA	7" Diameter Floor Drain With 4" Round Funnel With 3" Outlet, Bronze Top	1,060.53	124.42
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0077	EA	7" Diameter Floor Drain With 4" Round Funnel With 4" Outlet, Bronze Top	1,086.29	137.30
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0078	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Nikaloy Top	1,476.68	112.38
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0079	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Nikaloy Top	1,500.64	124.42
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0080	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Nikaloy Top	1,526.40	137.30
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0081	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 2" Outlet, Bronze Top	1,400.40	112.38
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0082	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 3" Outlet, Bronze Top	1,424.36	124.42
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	
22 13 19 13-0083	EA	7" Diameter Floor Drain With 9" x 3-1/2" Oval Funnel With 4" Outlet, Bronze Top	1,450.12	137.30
		For Galvanized Cast Iron Parts, Add	*105.00*	
		For Satin Finish Bronze Top, Deduct	*-19.50*	
		For Vandal Proof Screws, Add	*11.00*	

22 13 19 13-0084 Floor Drain With Sediment Bucket Bottom Outlet *(22 13 19 13)*

22 13 19 13-0085	EA	12-5/8" Round Floor Drain With Sediment Bucket, 2" Bottom Outlet, Satin Bronze Top, Without Trap	2,131.27	100.34
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0086	EA	12-5/8" Round Floor Drain With Sediment Bucket, 3" Bottom Outlet, Satin Bronze Top, Without Trap	2,155.43	112.38
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0087	EA	12-5/8" Round Floor Drain With Sediment Bucket, 4" Bottom Outlet, Satin Bronze Top, Without Trap	2,179.39	124.42
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0088	EA	12-5/8" Round Floor Drain With Sediment Bucket, 5" Bottom Outlet, Satin Bronze Top, Without Trap	2,205.15	137.30
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0089	EA	12-5/8" Round Floor Drain With Sediment Bucket, 6" Bottom Outlet, Satin Bronze Top, Without Trap	2,231.72	150.56
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
		For Galvanized Cast Iron Parts, Add	*247.00*	
22 13 19 13-0090	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,304.09	112.38
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0091	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,328.31	124.51
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0092	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,353.81	137.30
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0093	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Nikaloy Top, Heavy Duty Loose-Set Cast Iron Grate	2,380.38	150.56
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0094	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,421.91	112.38
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0095	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,446.13	124.51
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0096	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,471.63	137.30
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0097	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Cast Iron Top, Heavy Duty Loose-Set Cast Iron Grate	1,498.20	150.56
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0098	EA	12" x 12" Floor Drain With Sediment Bucket, 2" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,151.52	112.38
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0099	EA	12" x 12" Floor Drain With Sediment Bucket, 3" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,175.74	124.51
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0100	EA	12" x 12" Floor Drain With Sediment Bucket, 4" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,201.24	137.30
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	
22 13 19 13-0101	EA	12" x 12" Floor Drain With Sediment Bucket, 6" Bottom Outlet, Bronze Top, Heavy Duty Loose-Set Cast Iron Grate	2,227.81	150.56
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*31.00*	
		For Aluminum Bucket, Add	*77.50*	
		For Galvanized Cast Iron Parts, Add	*273.75*	

22 13 19 13-0102 Other Drains *(22 13 19 13)*

22 13 19 13-0103 Shower Drains *(22 13 19 13-0102)*

22 13 19 13-0104	EA	4-1/4" Stainless Steel Shower Drain Strainer Note: Includes two 2-5/8" screws.	36.87	10.14
22 13 19 13-0105	EA	4-1/4" Brass Shower Drain Strainer Note: Includes two 2-5/8" screws.	40.66	10.14
22 13 19 13-0106	EA	4" Brass Shower Drain For Polyvinyl Chloride (PVC) Pipe Note: Fits over 2" polyvinyl chloride (PVC) pipe or inside 3" polyvinyl chloride (PVC) pipe.	86.12	20.27
22 13 19 13-0107	EA	4" Chrome Finish, Threaded Brass Shower Drain And Gasket Note: For 2" pipe. Kohler K-9132.	107.89	20.27

22 13 19 13-0108 Acid Resistant Floor Drains *(22 13 19 13-0102)*

22 13 19 13-0109	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,020.23	100.34
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0110	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,044.39	112.38
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	
22 13 19 13-0111	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,068.35	124.42
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Primer Tap, Add	*33.50*	
		For Vandal Proof Screws, Add	*30.50*	

22 13 19 13-0112 Rotary And Lever Drains *(22 13 19 13-0102)*

22 13 19 13-0113	EA	Lever Drain, 1-1/2" Drain, 3" Sink Opening	225.32	67.67
22 13 19 13-0114	EA	Lever Drain, 2" Drain, 3" Sink Opening	239.31	74.67
22 13 19 13-0115	EA	Lever Drain, 1-1/2" Drain, 3-1/2" Sink Opening	225.32	67.67
22 13 19 13-0116	EA	Lever Drain, 2" Drain, 3-1/2" Sink Opening	239.31	74.67
22 13 19 13-0117	EA	Twist Drain, 1-1/2" Drain, 3" Sink Opening	225.32	67.67
22 13 19 13-0118	EA	Twist Drain, 2" Drain, 3" Sink Opening	239.31	74.67
22 13 19 13-0119	EA	Twist Drain, 1-1/2" Drain, 3-1/2" Sink Opening	225.32	67.67
22 13 19 13-0120	EA	Twist Drain, 2" Drain, 3-1/2" Sink Opening	239.31	74.67
22 13 19 13-0121	EA	Rotary Twist Drain, 1-1/2"-2" Drain, 3-1/2" Sink Opening (Fisher 16100)	308.73	74.67

22 13 19 13-0122 Floor Receptor *(22 13 19 13)*

22 13 19 13-0123 9" Diameter Round Shallow Receptor *(22 13 19 13-0122)*

Note: With slotted medium duty grate, aluminum secondary strainer and white acid resisting coated interior and top.

22 13 19 13-0124	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 2" Drain Connection	1,249.93	112.47
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	
22 13 19 13-0125	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 3" Drain Connection	1,274.27	124.61
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 13-0126	EA	9" Diameter x 3" Shallow Cast Iron Floor Receptor, 4" Drain Connection	1,299.50	137.30
		For Flange With Seepage Holes, Add	*58.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*97.00*	
		For Trap Primer Connection, Add	*38.00*	
		For Full Grate With 2" (50 mm) Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*33.50*	
		For White Acid Resistant Bucket, Add	*47.00*	
		For Stainless Steel Liner For Bucket, Add	*62.50*	

22 13 19 13-0127 Square Top Floor Receptors *(22 13 19 13-0122)*

Note: With acid resistant coating.

22 13 19 13-0128	EA	8" x 8" Floor Drain With 1-1/2" Bottom Outlet, Acid Resistant Top	1,468.25	100.34
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0129	EA	8" x 8" Floor Drain With 2" Bottom Outlet, Acid Resistant Top	1,492.43	112.47
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0130	EA	8" x 8" Floor Drain With 3" Bottom Outlet, Acid Resistant Top	1,516.29	124.42
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	
22 13 19 13-0131	EA	8" x 8" Floor Drain With 4" Bottom Outlet, Acid Resistant Top	1,542.05	137.30
		For Flange With Seepage Holes, Add	*37.50*	
		For Flange With Seepage Holes And Clamp Collar, Add	*69.00*	
		For Trap Primer Connection, Add	*39.50*	
		For Full Grate With 2" Square Center Opening, Add	*36.00*	
		For Vandal Proof Secured Grate, Add	*15.50*	
		For White Acid Resistant Bucket, Add	*88.00*	
		For Stainless Steel Liner For Bucket, Add	*97.00*	

22 13 19 13-0132 Floor Drain Accessories *(22 13 19 13)*

22 13 19 13-0133	EA	3" Trap Guard Floor Drain Insert (ProVent TG3H) Note: Prevents emission of sewer gases.	77.12	11.67
22 13 19 13-0134	EA	2" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG22) Note: Prevents emission of sewer gases.	63.67	11.67
22 13 19 13-0135	EA	3" Trap Guard Drain Insert For Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG33) Note: Prevents emission of sewer gases.	69.05	11.67
22 13 19 13-0136	EA	3" Trap Guard Drain Insert For 4" Cast Iron Or Polyvinyl Chloride (PVC) Pipe (ProVent TG34IP) Note: Prevents emission of sewer gases.	82.49	11.67
22 13 19 13-0137	EA	3" Trap Guard Drain Insert For 4" Hub (ProVent TG34TP) Note: Prevents emission of sewer gases.	74.43	11.67
22 13 19 13-0138	EA	2" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-02) Note: Prevents emission of sewer gases.	104.21	11.67
22 13 19 13-0139	EA	3" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-03) Note: Prevents emission of sewer gases.	115.04	11.67
22 13 19 13-0140	EA	4" Quad Close Trap Seal, For Drain Body Or Strainer Throat (JRSmith 2692-04) Note: Prevents emission of sewer gases.	141.91	11.67

22 13 19 26 Grease Removal Devices *(22 13 19)*

22 13 19 26-0001 Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval and flow control fitting.

22 13 19 26-0002 Standard Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60100H/60210A, Smith 8100/8400, Wade 5100, or Zurn Z1173/Z1170 series.

22 13 19 26-0003	EA	7 GPM, 14 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60102H.	879.27	70.01
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,298.41*	
22 13 19 26-0004	EA	10 GPM, 20 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60103H.	1,023.84	157.51
		For Flange And Clamp Device, Add	*365.17*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,370.96*	
22 13 19 26-0005	EA	15 GPM, 30 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60104H.	1,438.29	175.01
		For Flange And Clamp Device, Add	*376.84*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,496.93*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0006	EA	20 GPM, 40 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60105H.	1,731.52	192.51
		For Flange And Clamp Device, Add	*388.51*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,617.48*	
22 13 19 26-0007	EA	25 GPM, 50 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60106H.	1,936.93	210.02
		For Flange And Clamp Device, Add	*430.57*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,683.30*	
22 13 19 26-0008	EA	35 GPM, 70 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60107H.	2,374.72	245.02
		For Flange And Clamp Device, Add	*465.11*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,850.78*	
22 13 19 26-0009	EA	50 GPM, 100 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60108H.	3,085.64	280.02
		For Flange And Clamp Device, Add	*529.40*	
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,971.21*	
22 13 19 26-0010	EA	75 GPM, 150 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60109H.	5,994.16	315.02
		For Flange And Clamp Device, Add	*754.01*	
22 13 19 26-0011	EA	100 GPM, 200 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60110H.	6,799.66	396.56
		For Flange And Clamp Device, Add	*872.38*	
22 13 19 26-0012	EA	150 GPM, 300 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60213A.	8,435.67	634.51
		For Flange And Clamp Device, Add	*1,191.01*	
22 13 19 26-0013	EA	200 GPM, 400 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60214A.	12,067.84	793.13
		For Flange And Clamp Device, Add	*1,426.04*	
22 13 19 26-0014	EA	250 GPM, 500 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60215A.	14,085.82	951.75
		For Flange And Clamp Device, Add	*1,844.74*	
22 13 19 26-0015	EA	350 GPM, 700 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60216A,.	18,262.39	1,110.38
		For Flange And Clamp Device, Add	*2,188.25*	
22 13 19 26-0016	EA	500 GPM, 1,000 LB Capacity Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60217A.	23,573.78	1,269.00
		For Flange And Clamp Device, Add	*2,567.29*	

22 13 19 26-0017 Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0001)*

Note: Josam 60110A, Smith 8100, Wade 5100LR, or Zurn Z1171 series.

22 13 19 26-0018	EA	20 GPM, 40 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60115A.	2,467.30	192.51
22 13 19 26-0019	EA	35 GPM, 70 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Josam 60117A.	3,173.22	245.02
22 13 19 26-0020	EA	50 GPM, 100 LB Capacity Low Profile Manual Cleaning Epoxy Coated Steel Grease Interceptor Note: Smith 8150.	5,196.38	280.02

22 13 19 26-0021 Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26)*

Note: Includes internal air relief, visible double wall trap, removable baffle, gasketed non-skid cover bearing PDI seal of approval, grease recovery cone, flexible hose, grease draw off valve and flow control fitting.

22 13 19 26-0022 Standard Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)*

Note: Josam 60100-SA, Smith 8300GTX, Wade 5100JCX, or Zurn Z1173-TD series.

22 13 19 26-0023	EA	7 GPM, 14 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60102-SA.	2,159.46	70.01
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,298.41*	
22 13 19 26-0024	EA	10 GPM, 20 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60103-SA.	2,537.23	157.51
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,370.96*	
22 13 19 26-0025	EA	15 GPM, 30 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60104-SA.	2,712.92	175.01
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,496.93*	
22 13 19 26-0026	EA	20 GPM, 40 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60105-SA.	3,304.35	192.51
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,617.48*	
22 13 19 26-0027	EA	25 GPM, 50 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60106-SA.	3,976.61	210.02
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,683.30*	
22 13 19 26-0028	EA	35 GPM, 70 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60107-SA.	4,120.36	245.02
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,850.78*	
22 13 19 26-0029	EA	50 GPM, 100 LB Capacity Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60108-SA.	4,703.53	280.02
		For Steel Enclosure Cabinet With Non Skid Cover, Add	*1,971.21*	

22 13 19 26-0030 Low Profile Semi Automatic Cleaning Epoxy Coated Steel Grease Interceptor *(22 13 19 26-0021)*

Note: Josam 60115A-SA, Smith 8100GTX, or Zurn Z1171-TD series.

22 13 19 26-0031	EA	35 GPM, 70 LB Capacity Low Profile Semi Automatic Epoxy Coated Steel Grease Interceptor Note: Josam 60115A-SA.	5,510.18	245.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 26-0032		**Automatic Cleaning Stainless Steel Grease Interceptor** *(22 13 19 26)*		
22 13 19 26-0033	EA	20 GPM, 69 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 20 Greasestopper).	4,738.52	192.51
22 13 19 26-0034	EA	25 GPM, 91 LB Capacity Automatic Cleaning Stainless Steel Grease Interceptor Note: Includes stainless steel screen basket, plastic grease container with lid and control box with digital timer (Lowe Engineering 25 Greasestopper).	5,499.00	210.02
22 13 19 26-0035	EA	35 GPM, 70 LB Capacity, 110 Volt, Automatic Cleaning Stainless Steel Grease Trap/Removal Device (Guardian GGX35)	4,742.66	245.02
22 13 19 26-0036		**Precast Concrete Grease Interceptor** *(22 13 19 26)* Note: Includes two access manholes, cast iron non-skid surface, lift hole, frame and cover for heavy-traffic.		
22 13 19 26-0037	EA	1,000 Gallon Pre-Cast Grease Interceptor	4,615.50	361.79
22 13 19 26-0038	EA	1,250 Gallon Pre-Cast Grease Interceptor	5,277.10	361.79
22 13 19 26-0039	EA	1,500 Gallon Pre-Cast Grease Interceptor	5,989.60	413.61
22 13 19 26-0040	EA	2,000 Gallon Pre-Cast Grease Interceptor	6,823.95	584.12
22 13 19 26-0041	EA	2,500 Gallon Pre-Cast Grease Interceptor	7,692.29	785.89
22 13 19 26-0042	EA	4,000 Gallon Pre-Cast Grease Interceptor	11,527.47	1,033.97
22 13 19 26-0043	EA	5,000 Gallon Pre-Cast Grease Interceptor	14,825.18	1,695.56
22 13 19 26-0044		**Coated Steel Manual Oil Interceptor** *(22 13 19 26)* Note: Includes internal air relief, and flow control fitting.		
22 13 19 26-0045	EA	10 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	3,006.75	266.54
22 13 19 26-0046	EA	15 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,027.79	316.71
22 13 19 26-0047	EA	20 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	4,880.08	389.68
22 13 19 26-0048	EA	25 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	5,300.07	422.11
22 13 19 26-0049	EA	35 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	6,336.17	460.62
22 13 19 26-0050	EA	50 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	8,299.33	506.74
22 13 19 26-0051	EA	75 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	13,785.28	583.37
22 13 19 26-0052	EA	100 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	15,114.05	717.78
22 13 19 26-0053	EA	150 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	18,501.93	777.99
22 13 19 26-0054	EA	200 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	25,809.24	933.39
22 13 19 26-0055	EA	250 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	29,734.77	1,003.39
22 13 19 26-0056	EA	350 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	37,420.54	1,196.61
22 13 19 26-0057	EA	400 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	44,936.41	980.53
22 13 19 26-0058	EA	500 GPM, Oil Interceptor, Coated Steel, Manual Draw-Off	53,235.05	1,166.74
22 13 19 33		**Backwater Valves** *(22 13 19)*		
22 13 19 33-0001		**Cast Iron Body Terminal Backwater Valves** *(22 13 19 33)*		
22 13 19 33-0002	EA	2" Cast Iron Body Terminal Backwater Valve	315.81	26.78
22 13 19 33-0003	EA	3" Cast Iron Body Terminal Backwater Valve	326.07	33.69
22 13 19 33-0004	EA	4" Cast Iron Body Terminal Backwater Valve	469.01	44.80
22 13 19 33-0005	EA	6" Cast Iron Body Terminal Backwater Valve	1,243.02	63.06
22 13 19 33-0006	EA	8" Cast Iron Body Terminal Backwater Valve	1,522.14	83.00
22 13 19 33-0007	EA	10" Cast Iron Body Terminal Backwater Valve	4,354.48	102.39
22 13 19 33-0008	EA	12" Cast Iron Body Terminal Backwater Valve	4,938.90	132.80
22 13 19 33-0009		**Cast Iron Backwater Sewer Line Valve** *(22 13 19 33)* Note: Offset type with bronze swing check assembly, threaded bronze cover, and bell and spigot connections.		
22 13 19 33-0010	EA	2" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	787.99	63.85
22 13 19 33-0011	EA	3" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,191.66	77.47
22 13 19 33-0012	EA	4" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	1,476.11	99.88
22 13 19 33-0013	EA	6" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,061.79	114.58
22 13 19 33-0014	EA	8" Backwater Sewer Valve, Cast Iron, Offset Type With Bronze Swing Check Assembly	2,846.39	135.77
22 13 19 33-0015		**Cast Iron, Straight Through Shear Gate, Swing Check Backwater Valve** *(22 13 19 33)* Note: Offset type with bronze, manually operated shear gate, non-rising stem, and bell and spigot connections.		
22 13 19 33-0016	EA	3" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,093.90	101.09
22 13 19 33-0017	EA	4" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	2,143.92	134.40
22 13 19 33-0018	EA	5" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	3,114.77	169.70
22 13 19 33-0019	EA	6" Cast Iron Body, Straight Through Shear Gate, Swing Check Backwater Valve	3,144.27	189.18
22 13 19 33-0020		**Polyvinyl Chloride (PVC) Backwater Sewer Line Valve** *(22 13 19 33)* Note: Oatey.		
22 13 19 33-0021	EA	3" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43900)	103.05	33.69
22 13 19 33-0022	EA	4" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43904)	125.14	44.80
22 13 19 33-0023	EA	6" Polyvinyl Chloride (PVC) Backwater Sewer Valve (Oatey 43908)	341.73	63.06
22 13 19 33-0024		**Polyvinyl Chloride (PVC) Extendable Backwater Valves** *(22 13 19 33)*		
22 13 19 33-0025	EA	3" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	238.58	67.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 19 33-0026	EA	4" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	317.67	89.61
22 13 19 33-0027	EA	6" Polyvinyl Chloride (PVC) Extendable Backwater Sewer Valve (Rectorseal Clean Check) Note: Includes valve body, flapper assembly and collar.	540.09	126.12

22 13 19 36 Air-Admittance Valves *(22 13 19)*

22 13 19 36-0001 Acrylonitrile Butadiene Styrene (ABS) And Polyvinyl Chloride (PVC) Automatic Drain Vent *(22 13 19 36)*

22 13 19 36-0002	EA	1-1/4", 1-1/2" And 2" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Mini Vent	134.85	13.07
22 13 19 36-0003	EA	2", 3" And 4" Acrylonitrile Butadiene Styrene (ABS) Or Polyvinyl Chloride (PVC) Automatic Drain Vent, Maxi Vent	159.99	13.07

22 13 23 Sanitary Waste Interceptors *(22 13)*

22 13 23 00-0001 Sediment Bucket Solids Interceptors *(22 13 23)*

22 13 23 00-0002	EA	1-1/2" Or 2" Top Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1180) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	854.58	132.17
22 13 23 00-0003	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Composite With Removable PVC Sediment Bucket Solids Interceptor (Zurn 1184) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	855.60	132.17
22 13 23 00-0004	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Steel (Inside And Outside), Aluminum Cover, Removable Stainless Steel Sediment Bucket Solids Interceptor (Jay R. Smith 8714 ARIO) Note: On floor mount. Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,188.78	132.17
22 13 23 00-0005	EA	1-1/2" Or 2" Bottom Access, 15 GPM, Acid Resistant Coated Cast Iron, Aluminum Strainer, Removable Stainless Steel Screens, Sediment Bucket Solids Interceptor (Jay R. Smith 8730-ARIO) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,188.78	132.17
22 13 23 00-0006	EA	1-1/2" Or 2" Top Access, Acid Resistant Coated Cast Aluminum (Inside And Outside) Removable Stainless Steel Screen, Sediment Bucket Solids Interceptor (Josam 61030) Note: Replaces P-Trap. Recovers all types of solids from precious metal particles, plaster, clay or similar materials.	1,264.21	132.17

22 13 23 00-0007 Solid Interceptors, Cast Iron With Internal Deep Seal Trap *(22 13 23)*

22 13 23 00-0008	EA	1-1/2" Inlet Cast Iron Solid Interceptor, Painted Enamel	312.93	45.20
		For Stainless Steel Bucket, Add	*175.00*	
22 13 23 00-0009	EA	2" Inlet Cast Iron Solid Interceptor, Painted Enamel	318.71	48.14
		For Stainless Steel Bucket, Add	*175.00*	

22 13 23 00-0010 Sediment Strainers *(22 13 23)*

22 13 23 00-0011	EA	2" Strainer, Pump Suction Side	141.58	61.55

22 13 29 Sanitary Sewerage Pumps *(22 13)*

Note: Includes extra set of gaskets, bearings and seals.

22 13 29 13 Wet-Pit-Mounted, Vertical Sewerage Pumps *(22 13 29)*

22 13 29 13-0001 Vertical Column, Flanged Discharge, Non-Clog Sump Or Drainage Pumps (Crane-Deming Series 4500) *(22 13 29 13)*

Note: Mounted on steel support plate. Excludes float and float switch, and sump cover See CSI section 22 13 29 13-0030 for float and float switch, 22 13 29 13-0034 for sump cover.

22 13 29 13-0002 1-1/2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0003	EA	1/2 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	5,678.00	1,119.69
22 13 29 13-0004	EA	3/4 HP, Up To 125 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	5,889.35	1,119.69
22 13 29 13-0005	EA	1 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	6,100.71	1,119.69
22 13 29 13-0006	EA	1-1/2 HP, Up To 150 GPM Sump Or Drainage Pump, Vertical Non Clog, 2-1/2" Discharge Pipe, 1,750 RPM	6,302.30	1,119.69

22 13 29 13-0007 2" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0008	EA	3/4 HP, Up To 75 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	6,263.29	1,119.69
22 13 29 13-0009	EA	1 HP, Up To 100 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	6,344.57	1,119.69
22 13 29 13-0010	EA	2 HP, Up To 200 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	6,401.48	1,119.69
22 13 29 13-0011	EA	3 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	6,791.67	1,119.69
22 13 29 13-0012	EA	5 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	7,173.73	1,119.69
22 13 29 13-0013	EA	7-1/2 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	7,759.02	1,119.69
22 13 29 13-0014	EA	10 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	8,344.31	1,119.69
22 13 29 13-0015	EA	15 HP, Up To 600 GPM Sump Or Drainage Pump, Vertical Non Clog, 3" Discharge Pipe, 1,750 RPM	9,670.35	1,490.07

22 13 29 13-0016 3" Solids 1,750 RPM Vertical Sump Or Drainage Pumps *(22 13 29 13-0001)*

22 13 29 13-0017	EA	2 HP, Up To 300 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	6,670.60	1,119.69
22 13 29 13-0018	EA	3 HP, Up To 400 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	6,670.60	1,119.69
22 13 29 13-0019	EA	5 HP, Up To 500 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	6,811.44	1,119.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 13-0020	EA	7-1/2 HP, Up To 700 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	7,904.23	1,119.69
22 13 29 13-0021	EA	10 HP, Up To 800 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	8,095.93	1,119.69
22 13 29 13-0022	EA	15 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	9,737.78	1,490.07
22 13 29 13-0023	EA	20 HP, Up To 900 GPM Sump Or Drainage Pump, Vertical Non Clog, 4" Discharge Pipe, 1,750 RPM	10,225.52	1,490.07

22 13 29 13-0024 Extra Column Assemblies Addition, 5' Or Less *(22 13 29 13-0001)*

22 13 29 13-0025	EA	2-1/2" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	544.22	
22 13 29 13-0026	EA	3" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	653.44	
22 13 29 13-0027	EA	4" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	730.37	
22 13 29 13-0028	EA	5" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	743.67	
22 13 29 13-0029	EA	6" Diameter x 5' Long Extra Column Assembly For vertical sewage pumps	834.84	

22 13 29 13-0030 Float Switches *(22 13 29 13-0001)*

Note: Copper coated floats, brass rods and stops and switch brackets.

22 13 29 13-0031	EA	Float Switch Copper Coated Float, Add, General Purpose For vertical sewage pumps	489.13	
22 13 29 13-0032	EA	Float Switch Copper Coated Float, Add, Weather Proof For vertical sewage pumps	513.82	
22 13 29 13-0033	EA	Float Switch Copper Coated Float, Add, Explosion Proof For vertical sewage pumps	525.22	

22 13 29 13-0034 Square Or Round Steel Sump Covers *(22 13 29 13-0001)*

22 13 29 13-0035	EA	24" Steel Sump Covers, Square Or Round	551.53	37.33
22 13 29 13-0036	EA	30" Steel Sump Covers, Square Or Round	610.73	42.00
22 13 29 13-0037	EA	36" Steel Sump Covers, Square Or Round	846.50	56.01
22 13 29 13-0038	EA	40" Steel Sump Covers, Square Or Round	1,221.81	65.34
22 13 29 13-0039	EA	42" Steel Sump Covers, Square Or Round	1,308.82	67.67
22 13 29 13-0040	EA	48" Steel Sump Covers, Square Or Round	1,398.64	70.01
22 13 29 13-0041	EA	54" Steel Sump Covers, Square Or Round	1,779.52	84.00
22 13 29 13-0042	EA	60" Steel Sump Covers, Square Or Round	2,401.92	93.34
22 13 29 13-0043	EA	72" Steel Sump Covers, Square Or Round	3,045.79	116.68
22 13 29 13-0044	EA	84" Steel Sump Covers, Square Or Round	3,863.46	128.34

22 13 29 16 Submersible Sewerage Pumps *(22 13 29)*

22 13 29 16-0001 Submersible Sewage Pumps With Vortex Impeller *(22 13 29 16)*

22 13 29 16-0002 Submersible Single Seal Sewage Pumps With Cast Iron Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 25' cord.

22 13 29 16-0003	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,043.54	67.90
22 13 29 16-0004	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,109.85	67.90
22 13 29 16-0005	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,089.45	67.90
22 13 29 16-0006	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,187.22	67.90
22 13 29 16-0007	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,187.22	67.90
22 13 29 16-0008	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,263.41	84.87
22 13 29 16-0009	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,350.13	84.87
22 13 29 16-0010	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Impeller	1,361.18	84.87

22 13 29 16-0011 Submersible Single Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 20' cord.

22 13 29 16-0012	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,062.24	67.90
22 13 29 16-0013	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,157.46	67.90
22 13 29 16-0014	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,112.40	67.90
22 13 29 16-0015	EA	1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,204.23	67.90
22 13 29 16-0016	EA	1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,286.69	67.90
22 13 29 16-0017	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,210.70	84.87
22 13 29 16-0018	EA	1 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,309.32	84.87
22 13 29 16-0019	EA	1 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,308.47	84.87
22 13 29 16-0020	EA	1-1/2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,521.70	136.82
22 13 29 16-0021	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,605.02	136.82
22 13 29 16-0022	EA	1-1/2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,619.48	136.82

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0023	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,642.61	167.23
22 13 29 16-0024	EA	2 HP Automatic Submersible Single Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,737.83	167.23
22 13 29 16-0025	EA	2 HP Manual Submersible Single Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,740.38	167.23

22 13 29 16-0026 Submersible Double Seal Sewage Pumps With Bronze Vortex Impeller *(22 13 29 16-0001)*

Note: Includes 20' cord.

22 13 29 16-0027	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 115 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,252.69	67.90
22 13 29 16-0028	EA	1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,414.23	67.90
22 13 29 16-0029	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,391.79	84.87
22 13 29 16-0030	EA	1 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron And Bronze Impeller	1,489.56	84.87
22 13 29 16-0031	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,716.40	136.82
22 13 29 16-0032	EA	1-1/2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,814.17	136.82
22 13 29 16-0033	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 1 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,838.15	167.23
22 13 29 16-0034	EA	2 HP Manual Submersible Double Seal Sewage Pump, 230 Volt, 3 Phase, 2" To 3" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Bronze Impeller	1,935.93	167.23

22 13 29 16-0035 Submersible Sewage Pumps With Semi-Open Impeller *(22 13 29 16)*

Note: Includes 25' of cord with pump.

22 13 29 16-0036	EA	1 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,067.89	84.87
22 13 29 16-0037	EA	1.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,314.32	142.90
22 13 29 16-0038	EA	2 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,565.07	174.65
22 13 29 16-0039	EA	3 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	3,745.73	211.70
22 13 29 16-0040	EA	5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	4,209.12	248.75
22 13 29 16-0041	EA	7.5 HP Manual Submersible Sewage Pump, 230 Volt, 3 Phase, 3" To 4" Flanged Discharge, Epoxy-Coated Cast Ironl Housing And Semi-Open Impeller	4,705.57	285.80

22 13 29 16-0042 Submersible Sewage Pumps, Explosion Proof *(22 13 29 16)*

Note: Includes 25' of cord with pump.

22 13 29 16-0043	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,359.74	304.19
22 13 29 16-0044	EA	1 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	4,949.84	304.19
22 13 29 16-0045	EA	1 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	4,949.84	304.19
22 13 29 16-0046	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,641.09	405.57
22 13 29 16-0047	EA	1.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,231.20	405.57
22 13 29 16-0048	EA	1.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,231.20	405.57
22 13 29 16-0049	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,006.99	506.97
22 13 29 16-0050	EA	2 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,597.09	506.97
22 13 29 16-0051	EA	2 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,597.09	506.97
22 13 29 16-0052	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,293.45	608.36
22 13 29 16-0053	EA	3 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,883.56	608.36
22 13 29 16-0054	EA	3 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	5,883.56	608.36
22 13 29 16-0055	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 1 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,961.65	709.76
22 13 29 16-0056	EA	5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,551.75	709.76
22 13 29 16-0057	EA	5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	6,551.75	709.76
22 13 29 16-0058	EA	7.5 HP Explosion Proof Manual Sewage Pump, 230 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,229.34	811.15
22 13 29 16-0059	EA	7.5 HP Explosion Proof Manual Sewage Pump, 460 Volt, 3 Phase, 1750 RPM, 3" Vertical Or 4" Horizontal Flanged Discharge, Epoxy-Coated Cast Iron Housing And Impeller	7,229.34	811.15

22 13 29 16-0060 Submersible Sewage Pump Accessories *(22 13 29 16)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 16-0061	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 115 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light and alarm float switch.	527.97	79.99
22 13 29 16-0062	EA	Simplex Plug In Pump Control Panel with Alarm Float Only, 230 Volt, 1 Phase, 0-15 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, and alarm float switch.	544.21	79.99
22 13 29 16-0063	EA	Simplex Control Panel With 3 Floats, 115/208/230 Volt, 1 Phase, 0-20 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn, warning light, HOA switch and three 20' control float switches.	1,051.63	106.66
22 13 29 16-0064	EA	Simplex Control Panel 208/230/460 Volt, 3 Phase, 1-23 Amperes Range, Indoor/Outdoor, NEMA 4X Enclosure For Submersible Sewage Pump Note: Includes alarm horn and warning light. Control float switches not included.	1,467.53	106.66
22 13 29 16-0065	EA	Simplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	3,347.04	106.66
22 13 29 16-0066	EA	Simplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	3,500.18	106.66
22 13 29 16-0067	EA	Duplex Intrinsically Safe Control Panel, 230 Volt, 1 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	5,582.09	133.32
22 13 29 16-0068	EA	Duplex Intrinsically Safe Control Panel, 200/230/460 Volt, 3 Phase, Indoor/Outdoor 4X Enclosure For Submersible Sewage Pumps With Explosion Proof Motors Note: Includes alarm horn and warning light. Control float switches not included.	4,710.89	133.32
22 13 29 16-0069	EA	Electrical Alternator Duplex Control Panel with 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,172.37	133.32
22 13 29 16-0070	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115 Volt, 1 Phase, 7-20 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,286.10	133.32
22 13 29 16-0071	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-20 Amperes, Indoor NEMA 1 Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,236.55	133.32
22 13 29 16-0072	EA	Electrical Alternator Duplex Control Panel With 3 Floats, 115/200/230 Volt, 1 Phase, 0-30 Amperes Range, Indoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn, warning light, and three 20' float switches.	1,339.04	133.32
22 13 29 16-0073	EA	Electrical Alternator Duplex Control Panel, 200/230/460 Volt, 3 Phase, 1-25 Amperes Range, Indoor/Outdoor NEMA 4X Enclosure For Submersible Sewage Pumps Note: Includes alarm horn and warning light. Float switches not included..	2,254.45	133.32
22 13 29 16-0074	EA	Alarm System, 115 Volt, Indoor/Outdoor 4X Enclosure Note: Includes alarm horn, warning light and 15' tethered float.	432.40	53.33
22 13 29 16-0075	EA	Variable Level (Clamp Type) Float Switch With 15' Cord Note: Not for use with Intrinsically Safe Control Systems.	89.07	26.67
22 13 29 16-0076	EA	Variable Level (Clamp Type) Float Switch With 15' Cord For Intrinsically Safe Control Systems Only	104.84	26.67
22 13 29 16-0077	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord Note: Not for use with Intrinsically Safe Control Systems.	110.91	26.67
22 13 29 16-0078	EA	Variable Level (Adjustable Weight Type) Float Switch With 25' Cord For Intrinsically Safe Control Systems Only	116.52	26.67
22 13 29 16-0079	EA	Float Switch Tree With (3) 15' Floats Note: Not for use with Intrinsically Safe Control Systems.	309.39	26.67
22 13 29 16-0080	EA	Float Switch Tree And (3) Floats With 15' Cords For Intrinsically Safe Control Systems Only	351.27	26.67
22 13 29 16-0081	EA	Float Switch Tree And (4) Floats With 15' Cords Note: Not for use with Intrinsically Safe Control Systems.	343.19	26.67
22 13 29 16-0082	EA	Float Switch Tree And (4) Floats With 15' Cords For Intrinsically Safe Control Systems Only	398.79	26.67
22 13 29 16-0083	EA	Float Switch Tree Note: Tree only.	170.08	26.67
22 13 29 16-0084	EA	Adjustable Weight For Float Switch	48.08	13.33
22 13 29 16-0085	EA	Rail And Disconnect System, Stainless Steel, For 2" Horizontal Discharge Note: Lifting equipment not included.	873.02	79.99
22 13 29 16-0086	EA	Rail And Disconnect System, Stainless Steel, For 3" Horizontal Discharge Note: Lifting equipment not included.	1,360.95	106.66
22 13 29 16-0087	EA	Rail And Disconnect System, Stainless Steel, For 4" Horizontal Discharge Note: Lifting equipment not included.	1,775.12	133.32
22 13 29 16-0088	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 3" Horizontal Discharge	1,922.12	79.99
22 13 29 16-0089	EA	Rail And Disconnect System, Stainless Steel Non-Spearking, For 4" Horizontal Discharge	2,704.73	79.99
22 13 29 16-0090	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 2" Rail System	263.84	53.33
22 13 29 16-0091	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 3" Rail Systems	453.61	66.67
22 13 29 16-0092	EA	Intermediate Guide Rail Bracket, Stainless Steel, For 4" Rail Systems	460.00	79.99
22 13 29 16-0093	EA	12' Stainless Steel Lifting Cable	130.23	26.67
22 13 29 16-0094	EA	Disconnect Fitting For 2" Horizontal Discharge Note: Used for shallow systems where guide rails are not necessary.	246.86	26.67

22 13 29 33 Sewerage Pump Basins and Pits *(22 13 29)*

22 13 29 33-0001 Sewage Sump Pump Basin *(22 13 29 33)*

22 13 29 33-0002 High Density Polyethylene (HDPE) Basin *(22 13 29 33-0001)*

22 13 29 33-0003	EA	18" Diameter x 24" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	100.74
22 13 29 33-0004	EA	18" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	127.46
22 13 29 33-0005	EA	24" Diameter x 30" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	271.09
22 13 29 33-0006	EA	24" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	375.01
22 13 29 33-0007	EA	30" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	478.93
22 13 29 33-0008	EA	36" Diameter x 36" High, High Density Polyethylene (HDPE) Basin And Lid With Inlet And Hub	555.28

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 13 29 33-0009		Fiberglass Basin *(22 13 29 33-0001)*		
22 13 29 33-0010	EA	18" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	312.45	
22 13 29 33-0011	EA	24" Diameter x 30" High Fiberglass Basin And Lid With Inlet And Hub	634.95	
22 13 29 33-0012	EA	30" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,139.96	
22 13 29 33-0013	EA	36" Diameter x 36" High Fiberglass Basin And Lid With Inlet And Hub	1,534.36	
22 13 29 33-0014	EA	36" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	1,767.95	
22 13 29 33-0015	EA	36" Diameter x 60" High Fiberglass Basin And Lid With Inlet And Hub	1,867.20	
22 13 29 33-0016	EA	36" Diameter x 72" High Fiberglass Basin And Lid With Inlet And Hub	2,193.49	
22 13 29 33-0017	EA	48" Diameter x 48" High Fiberglass Basin And Lid With Inlet And Hub	2,547.16	

22 14 Facility Storm Drainage *(22 10)*

22 14 13 Facility Storm Drainage Piping *(22 14)*

See CSI section 22 13 16 00-0000 for storm drainage piping.

22 14 26 Facility Storm Drains *(22 14)*

22 14 26 13 Roof Drains *(22 14 26)*

22 14 26 13-0001 Cast Iron Roof Drains *(22 14 26 13)*

22 14 26 13-0002 Cast Iron Roof Drains With Large Polypropylene Dome *(22 14 26 13-0001)*

Note: Dome free area is 124 square inches.

22 14 26 13-0003	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, 124 Square Inch Free Area Polypropylene Dome	798.74	155.60
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0004	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, 124 Square Inch Free Area Polypropylene Dome	876.52	186.68
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0005	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, 124 Square Inch Free Area Polypropylene Dome	954.30	233.35
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0006	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,280.44	280.02
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0007	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,319.33	311.10
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0008	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, 124 Square Inch Free Area Polypropylene Dome	1,558.30	326.69
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0009	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, 124 Square Inch Free Area Polypropylene Dome	2,104.41	338.35
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Bronze Dome, Add	*448.80*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0010 Cast Iron Roof Drains With Expansion Joint *(22 14 26 13-0001)*

Note: With polypropylene dome. Dome free area is 124 square inches.

22 14 26 13-0011	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 2" Outlet, Polypropylene Dome	1,254.82	155.60
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0012	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 3" Outlet, Polypropylene Dome	1,364.46	186.68
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0013	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 4" Outlet, Polypropylene Dome	1,504.28	233.35
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0014	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 5" Outlet, Polypropylene Dome	2,080.25	280.02
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0015	EA	15" Diameter Cast Iron Roof Drain With Expansion Joint, 6" Outlet, Polypropylene Dome	2,234.84	311.10
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0016 Cast Iron Roof Drains With Flat Bronze Promenade Top *(22 14 26 13-0001)*

22 14 26 13-0017	EA	14" x 14" Cast Iron Roof Drain With 2" Outlet, Bronze Promenade Top	1,703.60	155.60
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0018	EA	14" x 14" Cast Iron Roof Drain With 3" Outlet, Bronze Promenade Top	1,781.38	186.68
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0019	EA	14" x 14" Cast Iron Roof Drain With 4" Outlet, Bronze Promenade Top	1,859.16	233.35
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0020	EA	14" x 14" Cast Iron Roof Drain With 5" Outlet, Bronze Promenade Top	2,171.89	280.02
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0021	EA	14" x 14" Cast Iron Roof Drain With 6" Outlet, Bronze Promenade Top	2,210.78	311.10
		For Galvanized Iron Parts, Add	*480.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0022 Cast Iron Scupper Drain With L-Shaped Bronze Grate *(22 14 26 13-0001)*

22 14 26 13-0023	EA	Cast Iron Scupper Drain With 2" Outlet, L-Shaped Bronze Grate	1,099.68	62.26
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0024	EA	Cast Iron Scupper Drain With 3" Outlet, L-Shaped Bronze Grate	1,130.79	77.75
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
22 14 26 13-0025	EA	Cast Iron Scupper Drain With 4" Outlet, L-Shaped Bronze Grate	1,144.94	84.85
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Cast Iron Parts, Add	*128.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0026	EA	Cast Iron Scupper Drain With 5" Outlet, L-Shaped Bronze Grate	1,610.67	112.47
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	
22 14 26 13-0027	EA	Cast Iron Scupper Drain With 6" Outlet, L-Shaped Bronze Grate	1,660.29	137.30
		For Vandal Proof Grate, Add	*33.00*	
		For Galvanized Iron Parts, Add	*258.00*	

22 14 26 13-0028 Cast Iron Roof Drain With Flat Cast Iron Grate *(22 14 26 13-0001)*

Note: Grate free area is 27 square inches.

22 14 26 13-0029	EA	9" x 9" Cast Iron Roof Drain With 2" Outlet, Cast Iron Promenade Top	875.82	155.60
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0030	EA	9" x 9" Cast Iron Roof Drain With 3" Outlet, Cast Iron Promenade Top	953.60	186.68
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	
22 14 26 13-0031	EA	9" x 9" Cast Iron Roof Drain With 4" Outlet, Cast Iron Promenade Top	1,031.38	233.35
		For Galvanized Iron Parts, Add	*144.00*	
		For Deck Clamp Assembly, Add	*80.40*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*93.60*	

22 14 26 13-0032 Cast Iron Roof Drains With Large Cast Iron Dome *(22 14 26 13-0001)*

22 14 26 13-0033	EA	15" Diameter Cast Iron Roof Drain With 2" Outlet, Cast Iron Dome	942.85	155.60
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0034	EA	15" Diameter Cast Iron Roof Drain With 3" Outlet, Cast Iron Dome	1,020.63	186.68
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0035	EA	15" Diameter Cast Iron Roof Drain With 4" Outlet, Cast Iron Dome	1,098.41	233.35
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0036	EA	15" Diameter Cast Iron Roof Drain With 5" Outlet, Cast Iron Dome	1,424.55	280.02
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0037	EA	15" Diameter Cast Iron Roof Drain With 6" Outlet, Cast Iron Dome	1,463.44	311.10
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0038	EA	15" Diameter Cast Iron Roof Drain With 8" Outlet, Cast Iron Dome	1,702.41	326.69
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0039	EA	15" Diameter Cast Iron Roof Drain With 10" Outlet, Cast Iron Dome	2,248.52	338.35
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0040 Aluminum Roof Drains *(22 14 26 13)*

22 14 26 13-0041 Aluminum Dome Roof Drains *(22 14 26 13-0040)*

22 14 26 13-0042	EA	15" Diameter Roof Drain With 2" Outlet, Aluminum Dome	967.98	155.60
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0043	EA	15" Diameter Roof Drain With 3" Outlet, Aluminum Dome	1,045.76	186.68
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0044	EA	15" Diameter Roof Drain With 4" Outlet, Aluminum Dome	1,123.54	233.35
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0045	EA	15" Diameter Roof Drain With 6" Outlet, Aluminum Dome	1,488.57	310.82
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0046	EA	15" Diameter Roof Drain With 8" Outlet, Aluminum Dome	1,727.73	326.69
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	
22 14 26 13-0047	EA	15" Diameter Roof Drain With 10" Outlet, Aluminum Dome	2,273.65	338.35
		For Galvanized Iron Parts, Add	*518.00*	
		For Deck Clamp Assembly, Add	*130.00*	
		For Drain Receiver, Add	*147.00*	
		For 4" (10 cm) Fixed Extension Collar, Cast Iron, Add	*357.00*	

22 14 26 13-0048 Retrofit Roof Drains *(22 14 26 13)*

22 14 26 13-0049 Copolymer Retrofit Roof Drains With Copolymer Strainer Dome *(22 14 26 13-0048)*

22 14 26 13-0050	EA	Copolymer Retrofit 3" Roof Drains, With Copolymer Dome	638.07	186.68
22 14 26 13-0051	EA	Copolymer Retrofit 4" Roof Drains, With Copolymer Dome	725.43	233.35
22 14 26 13-0052	EA	Copolymer Retrofit 5" Roof Drains, With Copolymer Dome	880.44	280.02
22 14 26 13-0053	EA	Copolymer Retrofit 6" Roof Drains, With Copolymer Dome	957.66	310.82

22 14 26 13-0054 Copolymer Retrofit Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*

22 14 26 13-0055	EA	Copolymer Retrofit Drain, 3", With Cast Aluminum Dome	724.31	186.68
22 14 26 13-0056	EA	Copolymer Retrofit Drain, 4", With Cast Aluminum Dome	807.84	233.35
22 14 26 13-0057	EA	Copolymer Retrofit Drain, 5", With Cast Aluminum Dome	968.61	280.02
22 14 26 13-0058	EA	Copolymer Retrofit Drain, 6", With Cast Aluminum Dome	1,019.00	310.82

22 14 26 13-0059 Aluminum Retrofit Roof Drains With Cast Aluminum Strainer Dome *(22 14 26 13-0048)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 13-0060	EA	Aluminum Retrofit 3" Roof Drains, With Cast Aluminum Dome	641.90	186.68
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0061	EA	Aluminum Retrofit 4" Roof Drains, With Cast Aluminum Dome	729.26	233.35
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0062	EA	Aluminum Retrofit 5" Roof Drains, With Cast Aluminum Dome	884.28	280.02
		For Copolymer Strainer Dome, Deduct	*-24.00*	
22 14 26 13-0063	EA	Aluminum Retrofit 6" Roof Drains, With Cast Aluminum Dome	930.83	310.82
		For Copolymer Strainer Dome, Deduct	*-24.00*	

22 14 26 13-0064 Bronze Downspout Nozzles *(22 14 26 13)*

22 14 26 13-0065	EA	2" Outlet, Bronze Roof Drain Downspout Nozzle	374.16	93.34
22 14 26 13-0066	EA	3" Outlet, Bronze Roof Drain Downspout Nozzle	374.16	93.34
22 14 26 13-0067	EA	4" Outlet, Bronze Roof Drain Downspout Nozzle	374.16	93.34
22 14 26 13-0068	EA	5" Outlet, Bronze Roof Drain Downspout Nozzle	570.91	116.68
22 14 26 13-0069	EA	6" Outlet, Bronze Roof Drain Downspout Nozzle	570.91	116.68
22 14 26 13-0070	EA	8" Outlet, Bronze Roof Drain Downspout Nozzle	728.06	116.68

22 14 26 16 Facility Area Drains *(22 14 26)*

22 14 26 16-0001 Area Drain *(22 14 26 16)*

22 14 26 16-0002	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,304.09	112.38
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0003	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,328.31	124.51
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0004	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,353.81	137.30
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0005	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,380.38	150.56
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0006	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,421.91	112.38
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0007	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,446.13	124.51
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0008	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,471.63	137.30
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0009	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	1,498.20	150.56
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0010	EA	12" x 12" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,151.52	112.38
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0011	EA	12" x 12" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,175.74	124.51
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0012	EA	12" x 12" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,201.24	137.30
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0013	EA	12" x 12" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,227.81	150.56
		For Ductile Iron Grate, Add	*123.50*	
		For Vandal Proof Screws, Add	*29.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*152.25*	
22 14 26 16-0014	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,635.70	112.38
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0015	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,659.92	124.51
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0016	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,685.42	137.30
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0017	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Nikaloy Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,711.99	150.56
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0018	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,268.88	112.38
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0019	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,293.10	124.51
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0020	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,318.60	137.30
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0021	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Cast Iron Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	2,345.17	150.56
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0022	EA	16" x 16" Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,395.11	112.38
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0023	EA	16" x 16" Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,419.33	124.51
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0024	EA	16" x 16" Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,444.83	137.30
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0025	EA	16" x 16" Floor Drain With 6" Bottom Outlet, Bronze Top, Medium Duty Loose-Set Cast Iron Grate And Secondary Strainer	4,471.40	150.56
		For Ductile Iron Grate, Add	*123.50*	
		For Primer Tap, Add	*36.00*	
		For Galvanized Cast Iron Parts, Add	*258.50*	
22 14 26 16-0026	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,032.66	112.38
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0027	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,056.88	124.51
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0028	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Nikaloy Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,082.38	137.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 16-0029	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	629.71	112.38
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0030	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	653.93	124.51
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0031	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Cast Iron Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	679.43	137.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0032	EA	9" Diameter Floor Drain With 2" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	973.98	112.38
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0033	EA	9" Diameter Floor Drain With 3" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	998.20	124.51
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0034	EA	9" Diameter Floor Drain With 4" Bottom Outlet, Bronze Top, Medium Duty Anti-Tilting Grate And Perimeter Drainage Slots	1,023.70	137.30
		For Galvanized Cast Iron Parts, Add	*87.50*	
		For Vandal Proof Grate, Add	*30.50*	
22 14 26 16-0035	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,092.38	112.38
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0036	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,116.60	124.51
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0037	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Nikaloy Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	3,142.10	137.30
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0038	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,014.60	112.38
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0039	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,038.82	124.51
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0040	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Cast Iron Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,064.32	137.30
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0041	EA	12-7/8" x 10-7/8" Floor Drain With 2" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,904.60	112.38
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0042	EA	12-7/8" x 10-7/8" Floor Drain With 3" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,928.82	124.51
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	
22 14 26 16-0043	EA	12-7/8" x 10-7/8" Floor Drain With 4" Side Outlet, Bronze Top, Heavy Duty Hinged Grate And Removable Medium-Deep Sediment Strainer	2,954.32	137.30
		For Vandal Proof Screws, Add	*30.50*	
		For Ductile Iron Grate, Add	*126.00*	
		For Galvanized Cast Iron Parts, Add	*307.50*	

22 14 26 19 Facility Trench Drains *(22 14 26)*

22 14 26 19-0001 Trench Drain *(22 14 26 19)*

Note: Each section is 39.4" in length.

22 14 26 19-0002	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	937.94	112.38
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0003	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	962.16	124.51
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0004	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	987.66	137.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0005	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	569.64	112.38
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0006	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	593.86	124.51
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0007	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	619.36	137.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0008	EA	6" Wide Trench Drain x 9" Outlet Section With 2" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	887.75	112.38
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0009	EA	6" Wide Trench Drain x 9" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	911.97	124.51
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0010	EA	6" Wide Trench Drain x 9" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	937.47	137.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0011	EA	6" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	825.07	56.01
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0012	EA	6" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	456.77	56.01
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0013	EA	6" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	774.88	56.01
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*66.00*	
		For Galvanized Cast Iron Parts, Add	*98.25*	
22 14 26 19-0014	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,489.17	112.38
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0015	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,513.39	124.51
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0016	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,538.89	137.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0017	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,033.45	112.38
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 26 19-0018	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,057.67	124.51
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0019	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,083.17	137.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0020	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,426.84	112.38
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0021	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,451.06	124.51
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0022	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,476.56	137.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0023	EA	12" Wide Trench Drain x 15" Outlet Section With 3" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,246.34	112.38
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0024	EA	12" Wide Trench Drain x 15" Outlet Section With 4" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,270.56	124.51
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0025	EA	12" Wide Trench Drain x 15" Outlet Section With 6" Bottom Outlet, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,296.06	137.30
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
		For Sediment Bucket, Add	*116.00*	
		For Galvanized Sediment Bucket, Add	*188.50*	
		For Galvanized Cast Iron Parts, Add	*131.50*	
22 14 26 19-0026	EA	12" Wide Trench Drain x 15" Extension Section, Nikaloy Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,376.28	56.01
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0027	EA	12" Wide Trench Drain x 15" Extension Section, Cast Iron Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	920.56	56.01
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0028	EA	12" Wide Trench Drain x 15" Extension Section, Bronze Top, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,313.95	56.01
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	
22 14 26 19-0029	EA	12" Wide Trench Drain x 15" Extension Section, Galvanized Top And Body, Heavy Duty Body Sections, Heavy Duty Loose Set Grate With Perimeter Drainage Slots	1,133.45	56.01
		For Vandal Proof Screws, Add	*48.50*	
		For Ductile Iron Grate, Add	*181.50*	
		For Convex Grate On Cast Iron Or Ductile Price, Add	*38.50*	

22 14 29 Sump Pumps *(22 14)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

See CSI section 22 11 16 00-0000 for pipe extensions into well.

22 14 29 13 Wet-Pit-Mounted, Vertical Sump Pumps *(22 14 29)*

22 14 29 13-0001 Vertical Mounted Sump Pumps *(22 14 29 13)*

Note: Supplied with 1750 RPM premium efficient motor with drip cover, float switch assembly, steel support mounting plate and 5' column sections.

22 14 29 13-0002	EA	1 HP Vertical Mounted Cast Iron Sump Pump, 1-1/2" Discharge, Single Stage, 25 GPM 40' Head	5,706.10	270.85
		For Explosion Proof Motor, Add	*250.06*	
22 14 29 13-0003	EA	1-1/2 HP Vertical Mounted Cast Iron Sump Pump, 2" Discharge, Single Stage, 75 GPM 40' Head	6,017.94	327.82
		For Explosion Proof Motor, Add	*277.99*	
22 14 29 13-0004	EA	2 HP Vertical Mounted Cast Iron Sump Pump, 2-1/2" Discharge, Single Stage, 100 GPM 40' Head	6,869.30	389.47
		For Explosion Proof Motor, Add	*359.13*	
22 14 29 13-0005	EA	3 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 150 GPM 40' Head	7,305.21	479.13
		For Explosion Proof Motor, Add	*407.01*	
22 14 29 13-0006	EA	5 HP Vertical Mounted Cast Iron Sump Pump, 3" Discharge, Single Stage, 200 GPM 40' Head	7,709.01	519.29
		For Explosion Proof Motor, Add	*594.55*	
22 14 29 13-0007	EA	10 HP Vertical Mounted Cast Iron Sump Pump, 4" Discharge, Single Stage, 300 GPM 70' Head	9,138.96	622.96
		For Explosion Proof Motor, Add	*674.36*	
22 14 29 13-0008	EA	15 HP Vertical Mounted Cast Iron Sump Pump, 5" Discharge, Single Stage, 500 GPM 70' Head	10,731.62	648.05
		For Explosion Proof Motor, Add	*1,105.31*	
22 14 29 13-0009	EA	20 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 800 GPM 70' Head	12,989.27	804.57
		For Explosion Proof Motor, Add	*1,467.10*	
22 14 29 13-0010	EA	30 HP Vertical Mounted Cast Iron Sump Pump, 6" Discharge, Single Stage, 1,000 GPM 70' Head	14,001.34	938.33
		For Explosion Proof Motor, Add	*1,902.04*	
22 14 29 13-0011	EA	50 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 1,600 GPM 70' Head	18,845.04	1,126.40
		For Explosion Proof Motor, Add	*2,477.98*	
22 14 29 13-0012	EA	60 HP Vertical Mounted Cast Iron Sump Pump, 8" Discharge, Single Stage, 2,000 GPM 70' Head	26,222.04	1,251.11
		For Explosion Proof Motor, Add	*3,927.79*	

22 14 29 13-0013 Extra Column Assemblies *(22 14 29 13)*

22 14 29 13-0014	EA	1-1/2" Diameter x 5' Long Extra Column Assembly	911.91	
22 14 29 13-0015	EA	2" Diameter x 5' Long Extra Column Assembly	997.85	
22 14 29 13-0016	EA	2-1/2" Diameter x 5' Long Extra Column Assembly	1,091.88	
22 14 29 13-0017	EA	3" Diameter x 5' Long Extra Column Assembly	1,311.02	
22 14 29 13-0018	EA	4" Diameter x 5' Long Extra Column Assembly	1,465.37	
22 14 29 13-0019	EA	5" Diameter x 5' Long Extra Column Assembly	1,492.04	
22 14 29 13-0020	EA	6" Diameter x 5' Long Extra Column Assembly	1,674.98	
22 14 29 13-0021	EA	8" Diameter x 5' Long Extra Column Assembly	1,832.81	

22 14 29 13-0022 Support Plate *(22 14 29 13)*

22 14 29 13-0023	EA	24" Steel Support Plate, Round Or Square	551.53	37.33
22 14 29 13-0024	EA	30" Steel Support Plate, Round Or Square	610.73	42.00
22 14 29 13-0025	EA	36" Steel Support Plate, Round Or Square	846.50	56.01
22 14 29 13-0026	EA	40" Steel Support Plate, Round Or Square	1,221.81	65.34
22 14 29 13-0027	EA	42" Steel Support Plate, Round Or Square	1,308.82	67.67
22 14 29 13-0028	EA	48" Steel Support Plate, Round Or Square	1,398.54	70.01
22 14 29 13-0029	EA	54" Steel Support Plate, Round Or Square	1,779.52	84.00
22 14 29 13-0030	EA	60" Steel Support Plate, Round Or Square	2,401.92	93.34
22 14 29 13-0031	EA	72" Steel Support Plate, Round Or Square	3,204.23	116.68
22 14 29 13-0032	EA	84" Steel Support Plate, Round Or Square	3,863.46	128.34

22 14 29 16 Submersible Sump Pumps *(22 14 29)*

22 14 29 16-0001 Submersible Sump Pump With Vortex Impeller *(22 14 29 16)*

22 14 29 16-0002 Submersible Sump Pump With Cast Iron Vortex Impeller *(22 14 29 16-0001)*

22 14 29 16-0003	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	388.12	60.81
22 14 29 16-0004	EA	1/3 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	426.80	60.81
22 14 29 16-0005	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	655.37	64.35
22 14 29 16-0006	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded Discharge, Epoxy-Coated Cast Steel Housing And Impeller	716.57	64.35

22 14 29 16-0007 Submersible Sump Pump With Bronze Vortex Impeller *(22 14 29 16-0001)*

Note: Includes 20' of cord with pump.

22 14 29 16-0008	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,082.06	64.35
22 14 29 16-0009	EA	1/2 HP Automatic Submersible Sump Pump, 115 Volt Or 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,174.28	64.35
22 14 29 16-0010	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,235.35	70.94
22 14 29 16-0011	EA	1 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,333.95	70.94
22 14 29 16-0012	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,377.10	81.07
22 14 29 16-0013	EA	1-1/2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,473.99	81.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 14 29 16-0014	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,483.08	96.28
22 14 29 16-0015	EA	2 HP Automatic Submersible Sump Pump, 230 Volt, 1 Phase, 1-1/2" Threaded or 2" To 3" Flanged Discharge, Epoxy-Coated Cast Steel Housing And Bronze Impeller	1,567.23	96.28

22 14 29 16-0016 Submersible Sump Pump With Semi-Open Impeller *(22 14 29 16)*

Note: Includes 20' of cord with pump.

22 14 29 16-0017	EA	1/3 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	903.15	60.81
22 14 29 16-0018	EA	1/3 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	931.64	60.81
22 14 29 16-0019	EA	1/2 HP Manual Submersible Sump Pump, 115 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,158.14	64.35
22 14 29 16-0020	EA	1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,178.16	64.35
22 14 29 16-0021	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,409.28	67.90
22 14 29 16-0022	EA	3/4 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,409.28	67.90
22 14 29 16-0023	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,490.26	70.94
22 14 29 16-0024	EA	1 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,490.26	70.94
22 14 29 16-0025	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,700.84	81.07
22 14 29 16-0026	EA	1-1/2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,700.84	81.07
22 14 29 16-0027	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 1 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,978.54	96.28
22 14 29 16-0028	EA	2 HP Manual Submersible Sump Pump, 230 Volt, 3 Phase, 2" Threaded Discharge, Epoxy-Coated Cast Iron Housing And Semi-Open Impeller	1,943.89	96.28

22 14 29 19 Sump-Pump Basins and Pits *(22 14 29)*

See CSI section 22 13 29 33-0000 for basins and pits.

22 15 General Service Compressed-Air Systems *(22 10)*

22 15 13 General Service Compressed-Air Piping *(22 15)*

22 15 13 00-0001 Quick Disconnect, Air-Service *(22 15 13)*

22 15 13 00-0002 Combination Steel And Brass *(22 15 13 00-0001)*

22 15 13 00-0003	EA	1/2" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	47.42	14.19
22 15 13 00-0004	EA	3/4" Combination Steel And Brass Disconnect Valve, Single Seated With Arm Ball And Bracket	52.72	17.22

22 15 13 00-0005 Refrigerated Air Dryers With Ambient Air Filters *(22 15 13)*

22 15 13 00-0006	EA	3 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	642.18	81.23
22 15 13 00-0007	EA	5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	728.87	83.49
22 15 13 00-0008	EA	7.5 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	925.19	85.75
22 15 13 00-0009	EA	10 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,075.45	90.26
22 15 13 00-0010	EA	15 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,196.63	101.54
22 15 13 00-0011	EA	20 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,328.89	115.53
22 15 13 00-0012	EA	30 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	1,880.36	146.67
22 15 13 00-0013	EA	40 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,116.04	171.49
22 15 13 00-0014	EA	50 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,299.87	183.22
22 15 13 00-0015	EA	60 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,500.28	203.08
22 15 13 00-0016	EA	75 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	2,815.40	225.64
22 15 13 00-0017	EA	85 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,133.26	248.21
22 15 13 00-0018	EA	100 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,300.27	275.29
22 15 13 00-0019	EA	125 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	3,844.35	293.34
22 15 13 00-0020	EA	175 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	4,623.43	304.62
22 15 13 00-0021	EA	200 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	5,453.22	315.91
22 15 13 00-0022	EA	250 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,056.32	327.19
22 15 13 00-0023	EA	300 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	6,592.02	338.47
22 15 13 00-0024	EA	400 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	7,364.88	361.03
22 15 13 00-0025	EA	500 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	8,611.64	451.29
22 15 13 00-0026	EA	600 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	10,886.28	541.54
22 15 13 00-0027	EA	800 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	12,133.05	631.80
22 15 13 00-0028	EA	1,000 SCFM Capacity Refrigerated Air Dryers With Ambient Air Filters	14,272.00	722.07

22 15 13 00-0029 Oil And Water Separator For Air Compressor *(22 15 13)*

22 15 13 00-0030	EA	0-60 SCFM Oil/Water Separator	591.01	32.45
22 15 13 00-0031	EA	85 SCFM Oil/Water Separator	791.45	38.02
22 15 13 00-0032	EA	190 SCFM Oil/Water Separator	924.93	43.10
22 15 13 00-0033	EA	245 SCFM Oil/Water Separator	1,160.80	50.70
22 15 13 00-0034	EA	320 SCFM Oil/Water Separator	1,379.80	60.83
22 15 13 00-0035	EA	700 SCFM Oil/Water Separator	2,782.06	126.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0036		**Heavy Duty Industrial Pressure Regulator** *(22 15 13)*		
22 15 13 00-0037	EA	3/8" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	104.87	27.07
22 15 13 00-0038	EA	1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	146.22	36.10
22 15 13 00-0039	EA	3/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	247.59	45.13
22 15 13 00-0040	EA	1" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	311.90	67.69
22 15 13 00-0041	EA	1-1/4" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	433.89	78.97
22 15 13 00-0042	EA	1-1/2" Pressure Regulator, Max 300 PSI Input, 2-125 PSI Output	456.45	90.26
22 15 13 00-0043		**Combination Air System; Filter Regulator Lubricator** *(22 15 13)*		
22 15 13 00-0044	EA	3/8" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	395.44	81.23
22 15 13 00-0045	EA	1/2" Filter Regulator Lubricator, Max 150 PSI Input, 150 CFM, 40 Micron Filter	490.71	108.31
22 15 13 00-0046		**Heatless Desiccant Air Dryers** *(22 15 13)*		
22 15 13 00-0047	EA	5 SCFM Heatless Desiccant Air Dryer	2,276.74	81.23
22 15 13 00-0048	EA	10 SCFM Heatless Desiccant Air Dryer	2,736.49	90.26
22 15 13 00-0049	EA	15 SCFM Heatless Desiccant Air Dryer	2,764.15	99.28
22 15 13 00-0050	EA	20 SCFM Heatless Desiccant Air Dryer	3,157.20	112.82
22 15 13 00-0051	EA	30 SCFM Heatless Desiccant Air Dryer	4,346.65	135.38
22 15 13 00-0052	EA	50 SCFM Heatless Desiccant Air Dryer	4,298.48	180.51
22 15 13 00-0053	EA	85 SCFM Heatless Desiccant Air Dryer	5,771.57	225.64
22 15 13 00-0054	EA	100 SCFM Heatless Desiccant Air Dryer	6,128.79	270.78
22 15 13 00-0055	EA	125 SCFM Heatless Desiccant Air Dryer	7,017.23	315.91
22 15 13 00-0056	EA	175 SCFM Heatless Desiccant Air Dryer	8,057.67	361.03
22 15 13 00-0057	EA	200 SCFM Heatless Desiccant Air Dryer	8,661.17	406.16
22 15 13 00-0058	EA	300 SCFM Heatless Desiccant Air Dryer	10,585.16	451.29
22 15 13 00-0059	EA	400 SCFM Heatless Desiccant Air Dryer	11,763.40	541.54
22 15 13 00-0060	EA	500 SCFM Heatless Desiccant Air Dryer	13,596.74	631.80
22 15 13 00-0061	EA	600 SCFM Heatless Desiccant Air Dryer	15,687.73	722.07
22 15 13 00-0062		**Air Cooled Aftercoolers** *(22 15 13)*		
22 15 13 00-0063	EA	20 SCFM Air-Cooled Aftercooler	578.81	56.41
22 15 13 00-0064	EA	35 SCFM Air-Cooled Aftercooler	780.90	67.69
22 15 13 00-0065	EA	43 SCFM Air-Cooled Aftercooler	858.28	78.97
22 15 13 00-0066	EA	70 SCFM Air-Cooled Aftercooler	1,048.04	90.26
22 15 13 00-0067	EA	125 SCFM Air-Cooled Aftercooler	1,457.08	101.54
22 15 13 00-0068	EA	185 SCFM Air-Cooled Aftercooler	1,635.88	112.82
22 15 13 00-0069	EA	260 SCFM Air-Cooled Aftercooler	3,157.60	135.38
22 15 13 00-0070	EA	365 SCFM Air-Cooled Aftercooler	3,303.05	157.95
22 15 13 00-0071	EA	560 SCFM Air-Cooled Aftercooler	3,447.40	180.51
22 15 13 00-0072	EA	650 SCFM Air-Cooled Aftercooler	4,041.82	203.08
22 15 13 00-0073	EA	750 SCFM Air-Cooled Aftercooler	4,419.16	225.64
22 15 13 00-0074	EA	900 SCFM Air-Cooled Aftercooler	5,066.22	248.21
22 15 13 00-0075	EA	1,100 SCFM Air-Cooled Aftercooler	6,498.28	270.78
22 15 13 00-0076	EA	1,460 SCFM Air-Cooled Aftercooler	7,430.95	293.34
22 15 13 00-0077	EA	1,800 SCFM Air-Cooled Aftercooler	7,674.80	315.91
22 15 13 00-0078	EA	2,500 SCFM Air-Cooled Aftercooler	8,229.77	338.47
22 15 13 00-0079		**Compressed Air Coalescing Filters** *(22 15 13)*		
22 15 13 00-0080		**1.0 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0079)*		
22 15 13 00-0081	EA	10 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	202.96	32.95
22 15 13 00-0082	EA	20 SCFM, 3/8", Coalescing Filter, 1.0 Micron Filter Rating	241.33	32.95
22 15 13 00-0083	EA	50 SCFM, 1/2", Coalescing Filter, 1.0 Micron Filter Rating	263.80	38.02
22 15 13 00-0084	EA	75 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	303.74	43.60
22 15 13 00-0085	EA	100 SCFM, 3/4", Coalescing Filter, 1.0 Micron Filter Rating	353.98	48.16
22 15 13 00-0086	EA	140 SCFM, 1", Coalescing Filter, 1.0 Micron Filter Rating	401.65	58.30
22 15 13 00-0087	EA	175 SCFM, 1-1/4" Coalescing Filter, 1.0 Micron Filter Rating	487.79	63.37
22 15 13 00-0088	EA	250 SCFM, 1-1/2" Coalescing Filter, 1.0 Micron Filter Rating	524.87	76.05
22 15 13 00-0089	EA	280 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	674.24	101.40
22 15 13 00-0090	EA	350 SCFM, 2" Coalescing Filter, 1.0 Micron Filter Rating	770.86	114.06
22 15 13 00-0091		**0.01 Micron Filter Rated Compressed Air Coalescing Filters** *(22 15 13 00-0079)*		
22 15 13 00-0092	EA	16 SCFM, 3/8" Coalescing Filter, 0.01 Micron Filter Rating	246.82	32.95
22 15 13 00-0093	EA	30 SCFM, 1/2" Coalescing Filter, 0.01 Micron Filter Rating	267.90	38.02
22 15 13 00-0094	EA	60 SCFM, 3/4" Coalescing Filter, 0.01 Micron Filter Rating	307.58	43.60
22 15 13 00-0095	EA	100 SCFM, 1" Coalescing Filter, 0.01 Micron Filter Rating	361.66	43.10
22 15 13 00-0096	EA	140 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	410.43	58.30
22 15 13 00-0097	EA	180 SCFM, 1-1/4" Coalescing Filter, 0.01 Micron Filter Rating	465.25	63.37
22 15 13 00-0098	EA	250 SCFM, 1-1/2" Coalescing Filter, 0.01 Micron Filter Rating	534.73	76.05
22 15 13 00-0099	EA	280 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	690.69	101.40
22 15 13 00-0100	EA	350 SCFM, 2" Coalescing Filter, 0.01 Micron Filter Rating	792.79	114.06
22 15 13 00-0101		**Compressed Air Storage Tanks** *(22 15 13)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 13 00-0102		**Horizontal Compressed Air Storage Tanks** *(22 15 13 00-0101)*		
22 15 13 00-0103	EA	12 Gallon Horizontal Compressed Air Storage Tank, ASME	336.28	72.21
22 15 13 00-0104	EA	15 Gallon Horizontal Compressed Air Storage Tank, ASME	542.61	78.97
22 15 13 00-0105	EA	20 Gallon Horizontal Compressed Air Storage Tank, ASME	574.77	83.04
22 15 13 00-0106	EA	30 Gallon Horizontal Compressed Air Storage Tank, ASME	654.36	90.26
22 15 13 00-0107	EA	60 Gallon Horizontal Compressed Air Storage Tank, ASME	855.05	121.85
22 15 13 00-0108	EA	80 Gallon Horizontal Compressed Air Storage Tank, ASME	1,029.74	135.38
22 15 13 00-0109	EA	120 Gallon Horizontal Compressed Air Storage Tank, ASME	1,535.03	157.95
22 15 13 00-0110	EA	200 Gallon Horizontal Compressed Air Storage Tank, ASME	2,277.34	180.51
22 15 13 00-0111	EA	240 Gallon Horizontal Compressed Air Storage Tank, ASME	2,536.96	191.79
22 15 13 00-0112	EA	325 Gallon Horizontal Compressed Air Storage Tank, ASME	3,651.69	203.08
22 15 13 00-0113	EA	400 Gallon Horizontal Compressed Air Storage Tank, ASME	4,804.58	236.93
22 15 13 00-0114	EA	660 Gallon Horizontal Compressed Air Storage Tank, ASME	6,898.91	282.06
22 15 13 00-0115		**Vertical Compressed Air Storage Tanks** *(22 15 13 00-0101)*		
22 15 13 00-0116	EA	10 Gallon Vertical Compressed Air Storage Tank, ASME	505.03	72.21
22 15 13 00-0117	EA	15 Gallon Vertical Compressed Air Storage Tank, ASME	530.59	78.97
22 15 13 00-0118	EA	20 Gallon Vertical Compressed Air Storage Tank, ASME	574.77	83.04
22 15 13 00-0119	EA	30 Gallon Vertical Compressed Air Storage Tank, ASME	678.16	90.26
22 15 13 00-0120	EA	60 Gallon Vertical Compressed Air Storage Tank, ASME	926.45	121.85
22 15 13 00-0121	EA	80 Gallon Vertical Compressed Air Storage Tank, ASME	1,064.13	135.38
22 15 13 00-0122	EA	120 Gallon Vertical Compressed Air Storage Tank, ASME	1,460.26	157.95
22 15 13 00-0123	EA	200 Gallon Vertical Compressed Air Storage Tank, ASME	2,123.24	180.51
22 15 13 00-0124	EA	240 Gallon Vertical Compressed Air Storage Tank, ASME	2,340.54	191.79
22 15 13 00-0125	EA	325 Gallon Vertical Compressed Air Storage Tank, ASME	3,170.88	203.08
22 15 13 00-0126	EA	400 Gallon Vertical Compressed Air Storage Tank, ASME	4,058.36	236.93
22 15 13 00-0127	EA	500 Gallon Vertical Compressed Air Storage Tank, ASME	5,281.50	259.50
22 15 13 00-0128	EA	660 Gallon Vertical Compressed Air Storage Tank, ASME	8,748.59	293.34

22 15 19 General Service Packaged Air Compressors and Receivers *(22 15)*

Note: Includes V-belt drive, receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 13 General Service Packaged Reciprocating Air Compressors *(22 15 19)*

22 15 19 13-0001		**Single Stage Compressor** *(22 15 19 13)*		
		Note: Includes receiver, reciprocating air cooled, 140 PSIG working pressure, splash lubricated, tank mounted.		
22 15 19 13-0002	EA	1/2 HP 1-Stage Air Compressor, 1.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,550.84	320.24
22 15 19 13-0003	EA	3/4 HP 1-Stage Air Compressor, 2.0 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	2,665.67	369.60
22 15 19 13-0004	EA	1 HP 1-Stage Air Compressor, 2.5 ACFM Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,042.15	436.49
22 15 19 13-0005	EA	2 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	3,465.59	481.62
22 15 19 13-0006	EA	3 HP 1-Stage Air Compressor, Air Cooled With 30 Gallon Receiver, 140 PSIG Working Pressure	4,237.96	508.69
22 15 19 13-0007	EA	3 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	4,527.84	526.75
22 15 19 13-0008	EA	5 HP 1-Stage Air Compressor, Air Cooled With 60 Gallon Receiver, 140 PSIG Working Pressure	5,084.69	602.02
22 15 19 13-0009	EA	5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	5,453.72	638.13
22 15 19 13-0010	EA	7.5 HP 1-Stage Air Compressor, Air Cooled With 80 Gallon Receiver, 140 PSIG Working Pressure	6,542.83	722.42
22 15 19 13-0011		**Two Stage Compressor** *(22 15 19 13)*		
		Note: With receiver, reciprocating air cooled, discharge pressure 80-200 PSIG, receiver capacity as noted, splash lubricated, tank mounted.		
22 15 19 13-0012	EA	1-1/2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 5.0 ACFM, 80-200 PSIG Discharge Pressure	4,876.57	562.85
22 15 19 13-0013	EA	2 HP 2-Stage Air Compressor, 60 Gallon Receiver, 7.0 ACFM, 80-200 PSIG Discharge Pressure	5,236.06	662.22
22 15 19 13-0014	EA	3 HP 2-Stage Air Compressor, 60 Gallon Receiver, 12 ACFM, 80-200 PSIG Discharge Pressure	5,473.51	722.42
22 15 19 13-0015	EA	5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 15 ACFM, 80-200 PSIG Discharge Pressure	6,251.85	963.23
22 15 19 13-0016	EA	5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 16.5 ACFM, 80-200 PSI Max Discharge Pressure	6,738.93	963.23
22 15 19 13-0017	EA	7.5 HP 2-Stage Air Compressor, 80 Gallon Receiver, 19.8 ACFM, 80-200 PSIG Discharge Pressure	7,237.82	1,204.04
22 15 19 13-0018	EA	7.5 HP 2-Stage Air Compressor, 120 Gallon Receiver, 25.6 ACFM, 80-200 PSI Max Discharge Pressure	7,679.59	1,204.04
22 15 19 13-0019	EA	10 HP 2-Stage Air Compressor, 80 Gallon Receiver, 35.0 ACFM, 80-200 PSI Max Discharge Pressure	9,845.86	1,489.25
22 15 19 13-0020	EA	10 HP 2-Stage Air Compressor, 120 Gallon Receiver, 38 ACFM, 80-200 PSIG Discharge Pressure	10,565.27	1,534.38
22 15 19 13-0021	EA	15 HP 2-Stage Air Compressor, 120 Gallon Receiver, 50 ACFM, 80-200 PSIG Discharge Pressure	11,412.97	1,793.24
22 15 19 13-0022	EA	20 HP 2-Stage Air Compressor, 120 Gallon Receiver, 70 ACFM, 80-200 PSIG Discharge Pressure	17,195.95	2,029.90
22 15 19 13-0023	EA	25 HP 2-Stage Air Compressor, 120 Gallon Receiver, 84.4 ACFM, 175 PSI Max Discharge Pressure	18,473.56	2,293.72
22 15 19 13-0024	EA	30 HP 2-Stage Air Compressor, 120 Gallon Receiver, 97.2 ACFM, 175 PSI Max Discharge Pressure	20,590.62	2,535.07
22 15 19 13-0025	EA	30 HP 2-Stage Air Compressor, 250 Gallon Receiver, 101 ACFM, 175 PSI Max Discharge Pressure	22,400.46	2,778.31

22 15 19 19 General Service Packaged Rotary-Screw Air Compressors *(22 15 19)*

22 15 19 19-0001		**Rotary Screw Air Compressor, Base Mounted Without Receiver** *(22 15 19 19)*		
		Note: Oil flooded.		
22 15 19 19-0002	EA	3 HP, 8.5 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	8,325.86	809.12
22 15 19 19-0003	EA	5 HP, 16.6 SCFM, Rotary Screw Air Compressor With Enclosure, 150 PSIG Max Discharge Pressure, Lubricated	9,286.49	1,078.83
22 15 19 19-0004	EA	7.5 HP, 27 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	11,907.72	1,352.59
22 15 19 19-0005	EA	10 HP, 37 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	13,768.91	1,723.70
22 15 19 19-0006	EA	15 HP, 56 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	15,753.51	2,027.87
22 15 19 19-0007	EA	20 HP, 79 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	19,120.09	2,281.36
22 15 19 19-0008	EA	25 HP, 114 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	20,952.92	2,534.85
22 15 19 19-0009	EA	30 HP, 137 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	25,207.61	2,839.02
22 15 19 19-0010	EA	40 HP, 183 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	27,711.56	3,041.81

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 15 19 19-0011	EA	50 HP, 214 SCFM, Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	31,111.35	3,278.06
22 15 19 19-0012	EA	60 HP, 256 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	40,476.17	3,548.79
22 15 19 19-0013	EA	75 HP, 320 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	44,917.13	3,751.57
22 15 19 19-0014	EA	100 HP, 494 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	72,163.82	4,055.75
22 15 19 19-0015	EA	125 HP, 592 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	90,056.07	4,385.28
22 15 19 19-0016	EA	150 HP, 695 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	104,625.13	4,719.88
22 15 19 19-0017	EA	220 HP, 996 SCFM Rotary Screw Air Compressor With Enclosure, 100 PSIG Max Discharge Pressure, Lubricated	136,172.41	5,069.69
22 15 19 19-0018	EA	250 HP, 1,000 SCFM Rotary Screw Air Compressor With Enclosure, 125 PSIG Max Discharge Pressure, Lubricated	154,725.60	5,394.15

22 15 19 19-0019 Rotary Screw Air Compressor, Base Mounted With Receiver *(22 15 19 19)*

Note: Includes receiver, motor, starter mounted and wired. Excludes piping, pressure reducing valve station, or air dryer.

22 15 19 19-0020	EA	5 HP, 18.5 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	10,389.78	1,078.83
22 15 19 19-0021	EA	5 HP, 18.5 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 150 PSIG Max Discharge Pressure, Lubricated	11,042.25	1,078.83
22 15 19 19-0022	EA	7.5 HP, 28 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	12,426.51	1,352.59
22 15 19 19-0023	EA	7.5 HP, 28 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	13,140.15	1,352.59
22 15 19 19-0024	EA	10 HP, 38 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	14,054.36	1,723.70
22 15 19 19-0025	EA	10 HP, 38 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	14,808.77	1,723.70
22 15 19 19-0026	EA	15 HP, 55 SCFM, 80 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	15,989.12	2,027.87
22 15 19 19-0027	EA	15 HP, 55 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	16,804.70	2,027.87
22 15 19 19-0028	EA	20 HP, 75 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	27,710.86	2,281.36
22 15 19 19-0029	EA	25 HP, 102 SCFM, 120 gallon receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	29,849.54	2,534.85
22 15 19 19-0030	EA	30 HP, 125 SCFM, 120 Gallon Receiver, Rotary Screw Air Compressor, 125 PSIG Max Discharge Pressure, Lubricated	31,784.35	2,839.02

22 30 Plumbing Equipment *(22)*

22 31 Domestic Water Softeners *(22 30)*

22 31 13 Residential Domestic Water Softeners *(22 31)*

See CSI section 11 30 13 13-0109 for residential water softener.

22 31 16 Commercial Domestic Water Softeners *(22 31)*

22 31 16 00-0001 Commercial Water Softeners (Watts Pure Water) *(22 31 16)*

22 31 16 00-0002 Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*

22 31 16 00-0003 1" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0004	EA	30,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111A11)	3,404.36	256.69
22 31 16 00-0005	EA	45,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111B11)	3,558.47	268.35
22 31 16 00-0006	EA	60,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111C11)	3,839.13	280.02
22 31 16 00-0007	EA	90,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111D11)	4,413.67	291.69
22 31 16 00-0008	EA	120,000 Grain Capacity, 1" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10111E11)	4,702.76	303.36

22 31 16 00-0009 1-1/2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0010	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121C11)	5,080.74	280.02
22 31 16 00-0011	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121D11)	5,343.12	291.69
22 31 16 00-0012	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121E11)	5,633.61	303.36
22 31 16 00-0013	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121F11)	6,686.24	315.02
22 31 16 00-0014	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121G11)	7,428.10	326.69

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0015	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS15121H11)	9,033.34	338.35

22 31 16 00-0016 2" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0017	EA	90,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D11)	7,691.36	291.69
22 31 16 00-0018	EA	120,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E11)	7,972.01	303.36
22 31 16 00-0019	EA	150,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F11)	9,027.45	315.02
22 31 16 00-0020	EA	210,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G11)	9,769.31	326.69
22 31 16 00-0021	EA	300,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H11)	11,461.73	338.35
22 31 16 00-0022	EA	450,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I11)	15,100.22	350.03
22 31 16 00-0023	EA	600,000 Grain Capacity, 2" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J11)	17,656.00	361.68

22 31 16 00-0024 3" Pipe Connection, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0002)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.

22 31 16 00-0025	EA	300,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H11)	18,526.12	338.35
22 31 16 00-0026	EA	450,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I11)	21,395.46	350.03
22 31 16 00-0027	EA	600,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J11)	23,917.49	361.68
22 31 16 00-0028	EA	900,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K11)	30,098.27	373.35
22 31 16 00-0029	EA	1050,000 Grain Capacity, 3" Pipe Connection, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L11)	33,321.96	385.02

22 31 16 00-0030 Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*

22 31 16 00-0031 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.

22 31 16 00-0032	EA	90,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131D21)	12,616.25	437.53
22 31 16 00-0033	EA	120,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131E21)	13,175.73	455.02
22 31 16 00-0034	EA	150,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131F21)	14,995.11	472.53
22 31 16 00-0035	EA	210,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131G21)	16,389.85	490.03
22 31 16 00-0036	EA	300,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131H21)	19,990.78	507.53
22 31 16 00-0037	EA	450,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131I21)	26,457.43	525.03
22 31 16 00-0038	EA	600,000 Grain Capacity, 2" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS20131J21)	31,127.03	542.54

22 31 16 00-0039 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0030)*

Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and two fully automatic metered demand control valves.

22 31 16 00-0040	EA	300,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151H21)	34,001.46	507.53
22 31 16 00-0041	EA	450,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151I21)	39,050.73	525.03
22 31 16 00-0042	EA	600,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151J21)	43,876.41	542.54
22 31 16 00-0043	EA	900,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151K21)	55,805.87	560.03
22 31 16 00-0044	EA	1,050,000 Grain Capacity, 3" Pipe Connection, Duplex Alternating (Two Valves), Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS30151L21)	62,299.23	577.54

22 31 16 00-0045 Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 31 16 00-0046		1" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0047	EA	30,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	4,485.05	385.02
22 31 16 00-0048	EA	45,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	4,781.59	402.53
22 31 16 00-0049	EA	60,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	5,211.71	420.02
22 31 16 00-0050	EA	90,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	6,242.26	437.53
22 31 16 00-0051	EA	120,000 Grain Capacity, 1" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	6,898.77	455.02
22 31 16 00-0052		1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softeners (Watts Pure Water) *(22 31 16 00-0045)* Note: Includes corrosion resistant NSF Certified fiberglass mineral and brine tanks and fully automatic metered demand control valve.		
22 31 16 00-0053	EA	60,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161A21)	8,717.19	420.02
22 31 16 00-0054	EA	90,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161B21)	9,190.91	437.53
22 31 16 00-0055	EA	120,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161C21)	9,889.61	455.02
22 31 16 00-0056	EA	150,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161D21)	11,311.05	472.53
22 31 16 00-0057	EA	210,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	12,753.60	490.03
22 31 16 00-0058	EA	300,000 Grain Capacity, 1-1/2" Pipe Connection, Twin Alternating, Commercial Water Softener With Fiberglass Tanks (Watts Pure Water PWS10T161E21)	15,948.16	507.53

22 32 Domestic Water Filtration Equipment *(22 30)*

22 32 16 Domestic-Water Freestanding Cartridge Filters *(22 32)*

22 32 16 00-0001		Commercial Water Filters Housings *(22 32 16)*		
22 32 16 00-0002		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0001)*		
22 32 16 00-0003		Commercial Multi-Cartridge Stainless Steel Water Filter Housings *(22 32 16 00-0002)*		
22 32 16 00-0004	EA	25 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X1)	1,770.81	164.76
22 32 16 00-0005	EA	30 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X1)	1,808.82	177.44
22 32 16 00-0006	EA	60 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X2)	1,925.57	190.11
22 32 16 00-0007	EA	90 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X3)	2,129.49	202.79
22 32 16 00-0008	EA	120 GPM Max Flow Rate, 4 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS4X4)	2,195.61	215.46
22 32 16 00-0009	EA	150 GPM Max Flow Rate, 5 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS5X4)	2,651.24	228.14
22 32 16 00-0010	EA	250 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X3)	7,325.25	240.81
22 32 16 00-0011	EA	300 GPM Max Flow Rate, 12 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS12X4)	8,513.47	253.49
22 32 16 00-0012	EA	500 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X3)	10,791.43	266.16
22 32 16 00-0013	EA	600 GPM Max Flow Rate, 22 Cartridge, Commercial Multi-Cartridge Stainless Steel Water Filter Housing (Watts Pure Water PWHS22X4)	11,965.59	278.84
22 32 16 00-0014		Commercial Water Filter Cartridges *(22 32 16 00-0002)*		
22 32 16 00-0015		(Depth) Water Filter Cartridges *(22 32 16 00-0014)*		
22 32 16 00-0016	EA	50 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M50)	9.32	2.03
22 32 16 00-0017	EA	20 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M20)	9.32	2.03
22 32 16 00-0018	EA	10 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M10)	9.32	2.03
22 32 16 00-0019	EA	5 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M5)	7.92	2.03
22 32 16 00-0020	EA	1 Micron, 10" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB10M1)	9.67	2.03
22 32 16 00-0021	EA	50 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M50)	9.67	2.03
22 32 16 00-0022	EA	20 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M20)	10.38	2.03
22 32 16 00-0023	EA	5 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Big Pure Water PWMB20M5)	12.84	2.03
22 32 16 00-0024	EA	1 Micron, 20" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB20M1)	10.38	2.03
22 32 16 00-0025	EA	50 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M50)	12.14	2.03
22 32 16 00-0026	EA	20 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M20)	12.14	2.03
22 32 16 00-0027	EA	5 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M5)	12.14	2.03
22 32 16 00-0028	EA	1 Micron, 30" Depth, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB30M1)	13.19	2.03
22 32 16 00-0029	EA	50 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M50)	17.06	2.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 32 16 00-0030	EA	20 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M20)	15.65	2.03
22 32 16 00-0031	EA	5 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M5)	15.65	2.03
22 32 16 00-0032	EA	1 Micron, 40" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Pure Water PWMB40M1)	17.06	2.03
22 32 16 00-0033		**Pleated Water Filter Cartridges** *(22 32 16 00-0014)*		
22 32 16 00-0034	EA	50 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M50)	16.00	2.03
22 32 16 00-0035	EA	20 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M20)	16.00	2.03
22 32 16 00-0036	EA	5 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M5)	16.35	2.03
22 32 16 00-0037	EA	1 Micron, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1)	17.41	2.03
22 32 16 00-0038	EA	1 Micron Absolute, 9-3/4" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL10M1AB)	25.85	2.03
22 32 16 00-0039	EA	50 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M50)	24.79	2.03
22 32 16 00-0040	EA	20 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M20)	24.79	2.03
22 32 16 00-0041	EA	5 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Big Pure Water PWPL20M5)	24.79	2.03
22 32 16 00-0042	EA	1 Micron, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1)	32.52	2.03
22 32 16 00-0043	EA	1 Micron Absolute, 20" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL20M1AB)	45.88	2.03
22 32 16 00-0044	EA	50 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M50)	38.50	2.03
22 32 16 00-0045	EA	20 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M20)	53.26	2.03
22 32 16 00-0046	EA	5 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M5)	55.37	2.03
22 32 16 00-0047	EA	1 Micron, 40" Length, Pleated Water Filter Cartridge (Watts Pure Water PWPL40M1)	62.40	2.03
22 32 16 00-0048		**Commercial Non-Metallic Water Filter Housings** *(22 32 16 00-0001)*		
22 32 16 00-0049		**Commercial Non-Metallic Water Filter Housings** *(22 32 16 00-0048)*		
22 32 16 00-0050	EA	150 GPM Max Flow Rate, 1 Cartridge, Commercial Non-Metallic Water Filter Housing (Watts Big Bubba® PWWJCHSG)	1,401.67	152.09
22 32 16 00-0051		**Commercial Water Filter Cartridges** *(22 32 16 00-0048)*		
22 32 16 00-0052		**Carbon Water Filter Cartridges** *(22 32 16 00-0051)*		
22 32 16 00-0053	EA	Activated 26-1/4" Length, Carbon Water Filter Cartridge (Watts Big Bubba® PWWJCAC5)	442.06	2.03
22 32 16 00-0054		**(Depth) Water Filter Cartridges** *(22 32 16 00-0051)*		
22 32 16 00-0055	EA	50 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB50)	92.28	2.03
22 32 16 00-0056	EA	20 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB20)	91.58	2.03
22 32 16 00-0057	EA	5 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB5)	91.58	2.03
22 32 16 00-0058	EA	1 Micron, 26-1/4" Length, Melt Blown (Depth) Water Filter Cartridge (Watts Big Bubba® PWWJCMB1)	104.94	2.03
22 32 16 00-0059		**Pleated Water Filter Cartridges** *(22 32 16 00-0051)*		
22 32 16 00-0060	EA	150 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCM150)	243.09	2.03
22 32 16 00-0061	EA	50 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP50)	228.33	2.03
22 32 16 00-0062	EA	20 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP20)	248.72	2.03
22 32 16 00-0063	EA	5 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP5)	260.67	2.03
22 32 16 00-0064	EA	1 Micron, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1)	277.54	2.03
22 32 16 00-0065	EA	1 Absolute, 26-1/4" Length, Pleated Water Filter Cartridge (Watts Big Bubba® PWWJCP1AB)	300.74	2.03

22 33 Electric Domestic Water Heaters *(22 30)*

22 33 13 Instantaneous Electric Domestic Water Heaters *(22 33)*

22 33 13 13 Flow-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 13-0001 Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 13)*

22 33 13 13-0002	EA	3 To 10 KW Flow Controlled, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012, EX48, EX65, EX75, EX95)	343.64	50.68
22 33 13 13-0003	EA	7.2 KW, 0.75 GPM, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch RP7P)	417.12	50.68

22 33 13 16 Thermostat-Control, Instantaneous Electric Domestic Water Heaters *(22 33 13)*

22 33 13 16-0001 Thermostat Controlled, Instantaneous, Tankless, Electric Domestic Water Heaters *(22 33 13 16)*

Note: Temperature rise decreases with increased flow rate.

22 33 13 16-0002	EA	3 To 10 KW Thermostat-Control, Instantaneous, Tankless, Electric Domestic Water Heater (Eemax EX3012T, EX48T, EX65T, EX75T, EX95T, EX012240T)	461.47	76.01
22 33 13 16-0003	EA	12 KW, 2.0 GPM, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE12)	545.02	101.35
22 33 13 16-0004	EA	17.25 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE115)	925.56	177.36
22 33 13 16-0005	EA	26.85 KW, 4.0 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Bosch PowerStar AE125)	1,375.58	202.69
22 33 13 16-0006	EA	12 KW, 1.6 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 12 Plus)	904.01	101.35
22 33 13 16-0007	EA	14.4 KW, 2.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 15 Plus)	1,243.20	152.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 13 16-0008	EA	19.2 KW, 2.8 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 20 Plus)	1,390.49	202.69
22 33 13 16-0009	EA	24 KW, 3.3 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 24 Plus)	1,439.13	202.69
22 33 13 16-0010	EA	28.8 KW, 4.5 GPM At 45 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 29 Plus)	1,485.08	202.69
22 33 13 16-0011	EA	36 KW, 4.5 GPM At 55 Degree Rise, Indoor Mount, Instantaneous, Tankless, Electric Domestic Water Heater (Stiebel Eltron Tempra 36 Plus)	1,552.64	202.69

22 33 30 Residential, Electric Domestic Water Heaters *(22 33)*

22 33 30 13 Residential, Small-Capacity Electric Domestic Water Heaters *(22 33 30)*

22 33 30 13-0001 Small-Capacity, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 13)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 13-0002	EA	2 Gallon, Small-Capacity, Electric Domestic Water Heater	675.92	159.62
22 33 30 13-0003	EA	10 Gallon, Small-Capacity, Electric Domestic Water Heater	815.09	169.76
22 33 30 13-0004	EA	20 Gallon, Small-Capacity, Electric Domestic Water Heater	949.21	177.36

22 33 30 16 Residential, Storage Electric Domestic Water Heaters *(22 33 30)*

22 33 30 16-0001 Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0002	EA	30 Gallon, Electric Domestic Water Heater	1,007.33	177.36
22 33 30 16-0003	EA	40 Gallon, Electric Domestic Water Heater	956.37	182.43
22 33 30 16-0004	EA	50 Gallon, Electric Domestic Water Heater	945.69	187.50
22 33 30 16-0005	EA	55 Gallon, Electric Domestic Water Heater	1,044.78	190.03
22 33 30 16-0006	EA	66 Gallon, Electric Domestic Water Heater	1,472.24	195.09
22 33 30 16-0007	EA	80 Gallon, Electric Domestic Water Heater	1,502.30	202.69
22 33 30 16-0008	EA	120 Gallon, Electric Domestic Water Heater	1,967.85	215.36

22 33 30 16-0009 Low-Boy, Electric Domestic Water Heaters (A.O. Smith ProMax) *(22 33 30 16)*

Note: Includes glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0010	EA	30 Gallon, Low-Boy, Electric Domestic Water Heater	1,074.07	177.36
22 33 30 16-0011	EA	40 Gallon, Low-Boy, Electric Domestic Water Heater	1,030.70	182.43
22 33 30 16-0012	EA	50 Gallon, Low-Boy, Electric Domestic Water Heater	1,088.39	187.50

22 33 30 16-0013 High Efficiency, Electric Domestic Water Heaters (A.O. Smith Conservationist) *(22 33 30 16)*

Note: Includes .95 energy factor glass lined tank, drain valve and temperature and pressure relief valve. Excludes electrical connections.

22 33 30 16-0014	EA	40 Gallon, High Efficiency, Electric Domestic Water Heater	1,108.66	182.43
22 33 30 16-0015	EA	50 Gallon, High Efficiency, Electric Domestic Water Heater	1,204.33	187.50
22 33 30 16-0016	EA	66 Gallon, High Efficiency, Electric Domestic Water Heater	1,461.76	195.09
22 33 30 16-0017	EA	80 Gallon, High Efficiency, Electric Domestic Water Heater	1,583.98	202.69

22 33 30 16-0018 Water Heater Accessories *(22 33 30 16)*

22 33 30 16-0019	EA	2 Gallon, Expansion Pressure Tank For Water Heaters	82.77	10.14
22 33 30 16-0020	EA	4.4 Gallon, Expansion Pressure Tank For Water Heaters	96.72	10.14
22 33 30 16-0021	EA	7.6 Gallon, Expansion Pressure Tank For Water Heaters	182.87	10.14
22 33 30 16-0022	EA	14 Gallon, Expansion Pressure Tank For Water Heaters	243.50	10.14
22 33 30 16-0023	EA	20" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	52.02	7.60
22 33 30 16-0024	EA	22" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	56.46	7.60
22 33 30 16-0025	EA	24" Diameter, 3" Deep, Aluminum Water Heater Drain Pan	59.42	7.60
22 33 30 16-0026	EA	26" Diameter, 2-1/2" Deep, Aluminum Water Heater Drain Pan	69.77	7.60
22 33 30 16-0027	EA	22" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	29.77	7.60
22 33 30 16-0028	EA	24" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	32.13	7.60
22 33 30 16-0029	EA	26" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	35.46	7.60
22 33 30 16-0030	EA	28" Diameter, 2-1/2" Deep, Polyethylene Water Heater Drain Pan	39.74	7.60

22 33 33 Light-Commercial Electric Domestic Water Heaters *(22 33)*

22 33 33 00-0001 Standard Duty Electric Commercial Water Heaters (A.O. Smith DEL And DEN) *(22 33 33)*

Note: Includes glass lined tank, drain valve, and temperature and pressure relief valve.

22 33 33 00-0002	EA	Up To 2.5 KW, 6 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-6S)	1,314.66	177.36
22 33 33 00-0003	EA	Up To 6 KW, 10 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-10S)	1,412.21	177.36
22 33 33 00-0004	EA	Up To 6 KW, 20 Gallon, Single Element Lowboy Electric Commercial Water Heater (DEL-20S)	1,535.67	202.69
22 33 33 00-0005	EA	Up To 12 KW, 30 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-30D)	2,650.54	202.69
22 33 33 00-0006	EA	Up To 12 KW, 40 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-40D)	3,061.58	253.37
22 33 33 00-0007	EA	Up To 12 KW, 50 Gallon, Dual Element Lowboy Electric Commercial Water Heater (DEL-50D)	3,395.19	304.05
22 33 33 00-0008	EA	Up To 12 KW, 80 Gallon, Dual Element Standard Upright Electric Commercial Water Heater (DEN-80D)	4,067.76	456.06

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22 33 33 00-0009 Heavy Duty Electric Commercial Water Heaters (A.O. Smith DSE) *(22 33 33)*

Note: Includes glass lined tank, ASME tank construction, drain valve, and temperature and pressure relief valve.

MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0010	EA	3 KW, 5 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-5-3)	4,767.67	177.36
22 33 33 00-0011	EA	3 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-3)	4,953.48	177.36
22 33 33 00-0012	EA	6 KW, 10 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-10-6)	5,154.78	177.36
22 33 33 00-0013	EA	3 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-3)	5,205.46	202.69
22 33 33 00-0014	EA	6 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-6)	5,437.73	202.69
22 33 33 00-0015	EA	9 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-9)	5,809.35	202.69
22 33 33 00-0016	EA	12 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-12)	6,057.10	202.69
22 33 33 00-0017	EA	15 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-15)	6,258.40	202.69
22 33 33 00-0018	EA	18 KW, 20 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-20-18)	6,475.18	202.69
22 33 33 00-0019	EA	6 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-6)	5,669.99	202.69
22 33 33 00-0020	EA	9 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-9)	5,886.77	202.69
22 33 33 00-0021	EA	12 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-12)	6,134.52	202.69
22 33 33 00-0022	EA	15 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-15)	6,335.82	202.69
22 33 33 00-0023	EA	18 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-18)	6,552.60	202.69
22 33 33 00-0024	EA	24 KW, 30 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-30-24)	8,147.49	202.69
22 33 33 00-0025	EA	9 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-9)	6,189.42	253.37
22 33 33 00-0026	EA	12 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-12)	6,390.72	253.37
22 33 33 00-0027	EA	15 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-15)	6,638.47	253.37
22 33 33 00-0028	EA	18 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-18)	6,855.25	253.37
22 33 33 00-0029	EA	24 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-24)	8,465.62	253.37
22 33 33 00-0030	EA	30 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-30)	9,208.87	253.37
22 33 33 00-0031	EA	36 KW, 40 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-40-36)	9,936.63	253.37
22 33 33 00-0032	EA	9 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-9)	7,157.88	304.05
22 33 33 00-0033	EA	12 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-12)	7,359.18	304.05
22 33 33 00-0034	EA	15 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-15)	7,560.48	304.05
22 33 33 00-0035	EA	18 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-18)	7,777.26	304.05
22 33 33 00-0036	EA	24 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-24)	9,434.08	304.05
22 33 33 00-0037	EA	30 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-30)	10,177.33	304.05
22 33 33 00-0038	EA	36 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-36)	10,905.10	304.05
22 33 33 00-0039	EA	45 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-45)	12,221.27	304.05
22 33 33 00-0040	EA	54 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-54)	12,809.67	304.05
22 33 33 00-0041	EA	60 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-60)	14,853.60	304.05
22 33 33 00-0042	EA	75 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-75)	17,485.94	304.05
22 33 33 00-0043	EA	90 KW, 50 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-50-90)	21,914.47	304.05
22 33 33 00-0044	EA	9 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-9)	8,072.86	405.39
22 33 33 00-0045	EA	12 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-12)	8,305.13	405.39
22 33 33 00-0046	EA	15 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-15)	8,521.91	405.39
22 33 33 00-0047	EA	18 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-18)	8,707.72	405.39
22 33 33 00-0048	EA	24 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-24)	10,349.06	405.39
22 33 33 00-0049	EA	30 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-30)	11,092.31	405.39
22 33 33 00-0050	EA	36 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-36)	11,804.59	405.39
22 33 33 00-0051	EA	45 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-45)	13,151.73	405.39
22 33 33 00-0052	EA	54 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-54)	13,724.65	405.39
22 33 33 00-0053	EA	60 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-60)	15,784.07	405.39
22 33 33 00-0054	EA	75 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-75)	18,431.89	405.39
22 33 33 00-0055	EA	90 KW, 65 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-65-90)	22,844.93	405.39
22 33 33 00-0056	EA	12 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-12)	9,025.85	456.06
22 33 33 00-0057	EA	15 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-15)	9,242.63	456.06
22 33 33 00-0058	EA	18 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-18)	9,428.45	456.06
22 33 33 00-0059	EA	24 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-24)	11,085.27	456.06
22 33 33 00-0060	EA	30 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-30)	11,751.10	456.06
22 33 33 00-0061	EA	36 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-36)	12,525.32	456.06
22 33 33 00-0062	EA	45 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-45)	13,872.45	456.06
22 33 33 00-0063	EA	54 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-54)	14,460.86	456.06
22 33 33 00-0064	EA	60 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-60)	16,396.40	456.06
22 33 33 00-0065	EA	75 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-75)	19,152.62	456.06
22 33 33 00-0066	EA	90 KW, 80 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-80-90)	23,565.66	456.06
22 33 33 00-0067	EA	15 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-15)	10,149.16	506.74
22 33 33 00-0068	EA	18 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-18)	10,396.91	506.74
22 33 33 00-0069	EA	24 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-24)	12,007.28	506.74
22 33 33 00-0070	EA	30 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-30)	12,750.53	506.74
22 33 33 00-0071	EA	36 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-36)	13,478.29	506.74
22 33 33 00-0072	EA	45 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-45)	14,794.46	506.74
22 33 33 00-0073	EA	54 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-54)	15,398.35	506.74
22 33 33 00-0074	EA	60 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-60)	17,426.80	506.74
22 33 33 00-0075	EA	75 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-75)	20,059.14	506.74
22 33 33 00-0076	EA	90 KW, 100 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-100-90)	24,503.15	506.74
22 33 33 00-0077	EA	15 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-15)	10,909.30	608.08
22 33 33 00-0078	EA	18 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-18)	11,126.08	608.08
22 33 33 00-0079	EA	24 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-24)	12,736.45	608.08
22 33 33 00-0080	EA	30 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-30)	13,448.73	608.08
22 33 33 00-0081	EA	36 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-36)	14,207.46	608.08
22 33 33 00-0082	EA	45 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-45)	15,523.63	608.08
22 33 33 00-0083	EA	54 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-54)	16,081.07	608.08
22 33 33 00-0084	EA	60 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-60)	18,171.46	608.08
22 33 33 00-0085	EA	75 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-75)	20,819.28	608.08
22 33 33 00-0086	EA	90 KW, 120 Gallon, Heavy Duty Electric Commercial Water Heater (DSE-120-90)	25,216.84	608.08

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 33 33 00-0087		Water Heater Accessories *(22 33 33)*		
22 33 33 00-0088	EA	Up To 80 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	34.63	
22 33 33 00-0089	EA	>80 To 120 Gallon Water Heater Strap Note: Includes (4) Straps (4) J-Clips (4) Lag Bolts (2) 3/8" Carraige Bolts (2) 3/8" Hex Nuts	49.88	
22 33 33 00-0090		Removal And Reinstallation Of Water Heater *(22 33 33)* Note: Includes storage and cleaning.		
22 33 33 00-0091	EA	Removal And Reinstallation Of Water Heater Electric, Up To 82 Gallon	337.82	
22 33 33 00-0092	EA	Removal And Reinstallation Of Water Heater Electric, 83 Gallon To 200 Gallon	1,013.47	

22 34 Fuel-Fired Domestic Water Heaters *(22 30)*

22 34 13 Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34)*

22 34 13 00-0001		Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13)*		
22 34 13 00-0002		Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)* Note: Includes vent connection. Excludes vent.		
22 34 13 00-0003	EA	4.2 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-42PVN)	1,388.66	202.69
22 34 13 00-0004	EA	5.3 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53PVN)	1,496.74	205.22
22 34 13 00-0005	EA	5.3 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53DVN)	1,637.98	210.29
22 34 13 00-0006	EA	6.6 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-66DVN)	1,900.81	215.36
22 34 13 00-0007	EA	7.4 GPM, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74PVN)	2,293.38	228.03
22 34 13 00-0008	EA	7.4 GPM, Direct Vent, Indoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74DVN)	2,340.20	228.03
22 34 13 00-0009		Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heaters *(22 34 13 00-0001)*		
22 34 13 00-0010	EA	5.3 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-53XN)	1,491.67	202.69
22 34 13 00-0011	EA	7.4 GPM, Outdoor Mount, Instantaneous, Tankless, Gas Domestic Water Heater (Rheem RTG-74XN)	2,293.38	228.03

22 34 30 Residential Gas Domestic Water Heaters *(22 34)*

22 34 30 13 Residential, Atmospheric, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 13-0001		Atmospheric, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 13)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 13-0002	EA	30 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-30)	1,059.01	195.09
22 34 30 13-0003	EA	40 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCV-40)	1,043.87	200.16
22 34 30 13-0004	EA	50 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith GCVX-50)	1,361.70	205.22
22 34 30 13-0005	EA	65 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smiith GCV-65)	1,468.52	210.29
22 34 30 13-0006	EA	75 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-75)	1,597.50	215.36
22 34 30 13-0007	EA	100 Gallon, Atmospheric, Gas Domestic Water Heater (A. O. Smith FCG-100)	2,323.02	228.03

22 34 30 16 Residential, Direct-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 16-0001		Direct-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 16)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 16-0002	EA	40 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-40)	1,868.32	200.16
22 34 30 16-0003	EA	50 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-50)	2,119.78	205.22
22 34 30 16-0004	EA	75 Gallon, Direct-Vent, Gas Domestic Water Heater (A. O. Smith GDV-75)	2,732.29	210.29

22 34 30 19 Residential, Power-Vent, Gas Domestic Water Heaters *(22 34 30)*

22 34 30 19-0001		Power-Vent, Gas Domestic Water Heaters (A.O. Smith ProMax) *(22 34 30 19)* Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 30 19-0002	EA	40 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-40)	1,705.33	200.16
22 34 30 19-0003	EA	50 Gallon, Power-Vent, Gas Domestic Water Heater (A. O. Smith GPVH-50)	1,774.93	205.22

22 34 36 Commercial Gas Domestic Water Heaters *(22 34)*

22 34 36 13 Commercial, Atmospheric, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 13-0001		Gas Fired Commercial Water Heaters (A.O. Smith BTR) *(22 34 36 13)* Note: Includes automatic flue damper, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 36 13-0002	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-120)	5,252.89	304.05
22 34 36 13-0003	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-154)	5,611.67	354.71
22 34 36 13-0004	EA	180 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-180)	6,938.52	405.39

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 13-0005	EA	199 MBH Input, 81 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-199)	6,009.59	405.39
22 34 36 13-0006	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200)	6,900.58	405.39
22 34 36 13-0007	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-200A)	9,188.83	445.93
22 34 36 13-0008	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250)	6,691.81	456.06
22 34 36 13-0009	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-250A)	9,900.83	501.67
22 34 36 13-0010	EA	251 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251)	6,794.76	456.06
22 34 36 13-0011	EA	251 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-251A)	9,447.38	501.67
22 34 36 13-0012	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275)	7,536.69	557.41
22 34 36 13-0013	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-275A)	10,344.42	613.15
22 34 36 13-0014	EA	305 MBH Input, 65 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305)	8,468.12	557.41
22 34 36 13-0015	EA	305 MBH Input, 65 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-305A)	10,405.69	613.15
22 34 36 13-0016	EA	365 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365)	8,201.85	608.08
22 34 36 13-0017	EA	365 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-365A)	11,485.37	668.89
22 34 36 13-0018	EA	390 MBH Input, 100 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400)	10,395.55	608.08
22 34 36 13-0019	EA	390 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-400A)	13,593.33	668.89
22 34 36 13-0020	EA	500 MBH Input, 85 Gallon, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-500)	13,536.29	658.76
22 34 36 13-0021	EA	150 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151)	6,763.65	354.71
22 34 36 13-0022	EA	150 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-151A)	8,109.16	390.19
22 34 36 13-0023	EA	199 MBH Input, 32 Gallon, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201)	7,036.56	405.39
22 34 36 13-0024	EA	199 MBH Input, 32 Gallon, ASME Rated Tank, Booster Type, 80% Efficiency, Gas Fired Commercial Water Heater (A.O. Smith BTR-201A)	8,428.98	445.93
22 34 36 13-0025	EA	Sidewall Power Vent System For BTR-120 through BTR-200	1,732.24	253.37
22 34 36 13-0026	EA	Sidewall Power Vent System For BTR-250 through BTR-500	1,891.56	253.37

22 34 36 13-0027 Removal And Reinstallation Of Water Heater *(22 34 36 13)*

Note: Includes storage and cleaning.

22 34 36 13-0028	EA	Removal And Reinstallation Of Water Heater Gas Fired, Up To 86 Gallon	460.67	
22 34 36 13-0029	EA	Removal And Reinstallation Of Water Heater Gas Fired, 87 Gallon To 200 Gallon	1,218.11	

22 34 36 19 Commercial, Power-Vent, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 19-0001 Induced Draft Blower Gas Fired Commercial Water Heaters (A.O. Smith BTN) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0002	EA	90 MBH Input, 98 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-100)	4,284.70	304.05
22 34 36 19-0003	EA	120 MBH Input, 71 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-120)	6,110.78	304.05
22 34 36 19-0004	EA	154 MBH Input, 81 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-154)	7,449.96	354.71
22 34 36 19-0005	EA	180 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-180)	7,759.64	405.39
22 34 36 19-0006	EA	199 MBH Input, 99 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-199)	7,796.41	405.39
22 34 36 19-0007	EA	199 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200)	7,967.99	405.39
22 34 36 19-0008	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-200A)	9,348.15	445.93
22 34 36 19-0009	EA	250 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250)	8,792.42	456.06
22 34 36 19-0010	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-250A)	10,807.75	501.67
22 34 36 19-0011	EA	275 MBH Input, 100 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275)	9,227.97	557.41
22 34 36 19-0012	EA	275 MBH Input, 100 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-275A)	11,300.35	613.15
22 34 36 19-0013	EA	310 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310)	9,424.06	557.41
22 34 36 19-0014	EA	310 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-310A)	11,422.91	613.15
22 34 36 19-0015	EA	366 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366)	10,567.13	608.08
22 34 36 19-0016	EA	366 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-366A)	12,416.79	668.89
22 34 36 19-0017	EA	390 MBH Input, 85 Gallon, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400)	12,785.40	608.08
22 34 36 19-0018	EA	390 MBH Input, 85 Gallon, ASME Rated Tank, 80% Efficiency, Induced Draft Blower, Gas Fired Commercial Water Heater (BTN-400A)	14,745.36	668.89

22 34 36 19-0019 Condensing Gas Fired Commercial Water Heaters (A.O. Smith BTX And BTH) *(22 34 36 19)*

Note: Includes glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.

22 34 36 19-0020	EA	76 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-80)	3,328.76	304.05
22 34 36 19-0021	EA	100 MBH Input, 50 Gallon, 90% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTX-100)	4,456.28	304.05

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 19-0022	EA	120 MBH Input, 60 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120)	5,387.70	304.05
22 34 36 19-0023	EA	120 MBH Input, 60 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-120A)	7,752.57	334.44
22 34 36 19-0024	EA	150 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150)	7,940.18	354.71
22 34 36 19-0025	EA	150 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-150A)	10,008.78	390.19
22 34 36 19-0026	EA	199 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199)	8,066.03	405.39
22 34 36 19-0027	EA	199 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-199A)	10,316.35	445.93
22 34 36 19-0028	EA	250 MBH Input, 100 Gallon, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250)	9,319.41	456.06
22 34 36 19-0029	EA	250 MBH Input, 100 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-250A)	11,334.74	501.67
22 34 36 19-0030	EA	300 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-300A)	14,829.96	613.15
22 34 36 19-0031	EA	399.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-400A)	15,590.99	668.89
22 34 36 19-0032	EA	499.9 MBH Input, 119 Gallon, ASME Rated Tank, 95% Efficiency, Power-Vent, Condensing Gas Fired Commercial Water Heater (BTH-500A)	17,932.99	724.63

22 34 36 23 Commercial, High-Efficiency, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 23-0001 Laars Mighty Therm Gas Fired Domestic Hot Water Skid Package *(22 34 36 23)*

Note: Includes (2) Laars Mighty Therm boilers, (2) B&G boiler primary pumps (one per boiler), T&P valve, circuit setter, storage tank (sized for 10 minutes buffer based on 50 degree city water supply, and operating set point for the tank at 130 degrees storage), and all necessary accessories for system monitoring such as gauges and thermometers. UL listed and labeled. Excludes piping insulation or seismic calculations.

22 34 36 23-0002	EA	400 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-400)	61,431.18	1,353.61
22 34 36 23-0003	EA	1,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-1000)	74,214.16	1,438.21
22 34 36 23-0004	EA	2,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-2000)	90,104.05	1,522.81
22 34 36 23-0005	EA	3,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-3000)	107,648.91	1,607.41
22 34 36 23-0006	EA	4,000 MBH x 2, Gas Fired Domestic Hot Water Skid Package (FlowTherm Systems FTDW-4000)	112,836.03	1,692.01

22 34 36 23-0007 Laars Mighty Therm Volume Water Heater *(22 34 36 23)*

22 34 36 23-0008	EA	200 MBH Gas Fired Volume Water Heater (Laars MT2V0200)	7,839.93	747.18
22 34 36 23-0009	EA	300 MBH Gas Fired Volume Water Heater (Laars MT2V0300)	8,516.08	840.58
22 34 36 23-0010	EA	400 MBH Gas Fired Volume Water Heater (Laars MT2V0400)	9,879.15	1,027.37
22 34 36 23-0011	EA	500 MBH Gas Fired Volume Water Heater (Laars MT2V0500)	14,268.54	1,120.77
22 34 36 23-0012	EA	750 MBH Gas Fired Volume Water Heater (Laars MT2V0750)	15,719.00	1,307.56
22 34 36 23-0013	EA	1,000 MBH Gas Fired Volume Water Heater (Laars MT2V1000)	17,980.12	1,494.36
22 34 36 23-0014	EA	1,250 MBH Gas Fired Volume Water Heater (Laars MT2V1250)	19,872.89	1,681.15
22 34 36 23-0015	EA	1,500 MBH Gas Fired Volume Water Heater (Laars MT2V1500)	23,710.99	1,867.95
22 34 36 23-0016	EA	1,750 MBH Gas Fired Volume Water Heater (Laars MT2V1750)	24,611.66	1,961.34
22 34 36 23-0017	EA	2,000 MBH Gas Fired Volume Water Heater (Laars MT2V2000)	26,386.20	2,054.74

22 34 36 26 Commercial, Coil-Type, Finned-Tube, Gas Domestic Water Heaters *(22 34 36)*

22 34 36 26-0001 Laars Rheos+ 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heaters *(22 34 36 26)*

22 34 36 26-0002	EA	1,200 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	32,327.39	1,171.20
22 34 36 26-0003	EA	1,600 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	45,749.81	1,294.49
22 34 36 26-0004	EA	2,000 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	49,654.76	1,356.13
22 34 36 26-0005	EA	2,400 MBH 90% Efficient, Gas Fired, Copper Fin Tube Condensing Water Heater (Laars Rheos+)	53,778.97	1,479.42

22 34 36 26-0006 Laars Rheos 86% Efficient Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0007	EA	1,200 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	28,636.06	1,171.20
22 34 36 26-0008	EA	1,600 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	31,635.22	1,294.49
22 34 36 26-0009	EA	2,000 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	34,598.64	1,356.13
22 34 36 26-0010	EA	2,400 MBH 86% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Rheos)	37,589.32	1,479.42

22 34 36 26-0011 Laars Pennant 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heaters *(22 34 36 26)*

22 34 36 26-0012	EA	200 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	7,292.26	554.78
22 34 36 26-0013	EA	300 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	8,021.11	616.43
22 34 36 26-0014	EA	400 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	9,416.70	739.70
22 34 36 26-0015	EA	500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	13,345.41	770.53
22 34 36 26-0016	EA	750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	14,684.77	924.63
22 34 36 26-0017	EA	1,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	18,117.76	1,109.56
22 34 36 26-0018	EA	1,250 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	20,616.76	1,171.20
22 34 36 26-0019	EA	1,500 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	22,860.48	1,263.67
22 34 36 26-0020	EA	1,750 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	24,967.06	1,325.31
22 34 36 26-0021	EA	2,000 MBH 85% Efficient, Gas Fired, Copper Fin Tube LoNox Water Heater (Laars Pennant)	26,812.25	1,356.13

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 34 36 26-0022		Patterson Kelley Thermific Sealed Combustion, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0023	EA	700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	24,066.26	924.63
22 34 36 26-0024	EA	1,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	26,473.03	1,109.56
22 34 36 26-0025	EA	1,500 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	35,459.01	1,263.67
22 34 36 26-0026	EA	1,700 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	36,523.83	1,325.31
22 34 36 26-0027	EA	2,000 MBH 85% Efficient, Sealed Combustion, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Thermific)	38,241.98	1,356.13
22 34 36 26-0028		Patterson Kelley Modufire Forced Draft, Water, Gas Fired, Copper Fin Tube Water Heaters *(22 34 36 26)*		
22 34 36 26-0029	EA	1,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	30,545.49	1,109.56
22 34 36 26-0030	EA	1,500 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	36,969.42	1,263.67
22 34 36 26-0031	EA	2,000 MBH 85% Efficient, Forced Draft, Gas Fired, Copper Fin Tube Water Heater (Patterson Kelley Modufire)	39,228.69	1,356.13
22 34 46		**Oil-Fired Domestic Water Heaters** *(22 34)*		
22 34 46 11		**Standard-capacity, Oil-Fired Domestic Water Heaters** *(22 34 46)*		
22 34 46 11-0001		Oil-Fired Domestic Water Heaters (Bock) *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0002	EA	60 MBH, 20 Gallon, Oil-Fired Domestic Water Heater (Bock 20E)	1,754.29	195.09
22 34 46 11-0003	EA	104 MBH, 32 Gallon, Oil-Fired Domestic Water Heater (Bock 32E)	1,730.33	195.09
22 34 46 11-0004	EA	104 MBH, 33 Gallon, Oil-Fired Domestic Water Heater (Bock 33ES)	1,807.31	195.09
22 34 46 11-0005	EA	125 MBH, 40 Gallon, Oil-Fired Domestic Water Heater (Bock 40E)	1,909.17	200.16
22 34 46 11-0006	EA	140 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 50ES)	2,434.91	205.22
22 34 46 11-0007	EA	152 MBH, 50 Gallon, Oil-Fired Domestic Water Heater (Bock 51E)	2,054.27	205.22
22 34 46 11-0008		Oil Fired Commercial Water Heaters *(22 34 46 11)* Note: Includes burner, glass lined tank, drain valve, temperature and pressure relief valve and vent connection. Excludes vent.		
22 34 46 11-0009	EA	173 MBH, 68 Gallon, Oil-Fired Commercial Water Heater (Bock 71E)	2,844.76	304.05
22 34 46 11-0010	EA	199 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 72E)	3,345.91	304.05
22 34 46 11-0011	EA	242 MBH, 67 Gallon, Oil-Fired Commercial Water Heater (Bock 73E)	3,365.19	304.05
22 34 46 11-0012	EA	190 MBH, 113 Gallon, Oil-Fired Commercial Water Heater (Bock 120E)	4,850.04	405.39
22 34 46 11-0013	EA	415 MBH, 91 Gallon, Oil-Fired Commercial Water Heater (Bock 361E)	6,657.84	506.74
22 34 46 11-0014	EA	623 MBH, 83 Gallon, Oil-Fired Commercial Water Heater (Bock 541E)	8,388.38	557.41
22 35		**Domestic Water Heat Exchangers** *(22 30)*		
22 35 23		**Circulating, Domestic Water Heat Exchangers** *(22 35)*		
22 35 23 13		**Circulating, Compact Domestic Water Heat Exchangers** *(22 35 23)*		
22 35 23 13-0001		Steam Driven Water Heaters *(22 35 23 13)*		
22 35 23 13-0002		Constant Flow *(22 35 23 13-0001)*		
22 35 23 13-0003	EA	30 GPM, 700 LB/Hour Steam Water Heater, Constant Flow	7,468.86	506.74
22 35 23 13-0004	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Constant Flow	9,337.41	620.95
22 35 23 13-0005	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Constant Flow	11,952.77	812.10
22 35 23 13-0006	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Constant Flow	16,150.02	1,131.13
22 35 23 13-0007	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Constant Flow	23,685.37	1,862.96
22 35 23 13-0008	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Constant Flow	25,752.40	2,111.36
22 35 23 13-0009	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Constant Flow	34,043.85	2,436.18
22 35 23 13-0010	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Constant Flow	41,001.30	2,879.17
22 35 23 13-0011		Variable Flow *(22 35 23 13-0001)*		
22 35 23 13-0012	EA	30 GPM, 700 LB/Hour Steam Water Heater, Variable Flow	11,083.68	988.13
22 35 23 13-0013	EA	90 GPM, 1,250 LB/Hour Steam Water Heater, Variable Flow	12,497.40	1,206.54
22 35 23 13-0014	EA	140 GPM, 2,500 LB/Hour Steam Water Heater, Variable Flow	15,926.40	1,560.13
22 35 23 13-0015	EA	230 GPM, 5,000 LB/Hour Steam Water Heater, Variable Flow	20,788.47	2,176.73
22 35 23 13-0016	EA	500 GPM, 7,500 LB/Hour Steam Water Heater, Variable Flow	30,729.46	3,640.39
22 35 23 13-0017	EA	900 GPM, 10,000 LB/Hour Steam Water Heater, Variable Flow	37,712.77	4,009.00
22 35 23 13-0018	EA	1,400 GPM, 15,000 LB/Hour Steam Water Heater, Variable Flow	43,649.91	4,691.97
22 35 23 13-0019	EA	2,400 GPM, 20,000 LB/Hour Steam Water Heater, Variable Flow	55,526.36	5,605.51

22 40 Plumbing Fixtures *(22)*

Note: The following Energy Policy Act Flow Rates Requirements superseded flow rates standards listed in section. Plumbing fixtures and

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trim should not exceed the maximum flow rates set forth in The Energy Policy Act 92. lavatory faucets - 2.5 gal/min, lavatory replacement aerators - 2.5 gal/min, kitchen faucets - 2.5 gal/min, kitchen replacement aerators - 2.5 gal/min, metering faucets - 0.25 gal/cycle, gravity tank-type toilets - 1.6 gal/flush, flushometer tank toilets - 1.6 gal/flush, electromechanical hydraulic toilets - 1.6 gal/flush, blowdown toilets - 3.5 gal/flush, urinals - 1.0 gal/flush.

22 41 Residential Plumbing Fixtures *(22 40)*

22 41 39 Residential Faucets, Supplies, and Trim *(22 41)*

22 41 39 00-0001 Residential Kitchen Faucets *(22 41 39)*

22 41 39 00-0002	EA	Chrome Single Handle Kitchen Faucet (Delta 100LF-WF)	150.71	46.67
22 41 39 00-0003	EA	Chrome Single Handle Kitchen Faucet With Spray (Delta 400LF-WF)	171.54	46.67
22 41 39 00-0004	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Delta 300LF-WF)	171.54	46.67
22 41 39 00-0005	EA	Chrome Two Handle Kitchen Faucet, Three Hole Installation 8"Center (Delta 2102LF-LHP+H215)	165.79	46.67
22 41 39 00-0006	EA	Chrome Two Handle Kitchen Faucet With Spray, Three Hole Installation, 8" Center (Delta 2402LF-LHP+H215)	176.98	46.67

22 41 39 00-0007 Residential Lavatory Faucets *(22 41 39)*

22 41 39 00-0008	EA	Chrome, Single Acrylic Handle, Bath Faucet (Delta 502-DST)	134.48	33.60
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0009	EA	Chrome, Single Lever Handle, Lavatory Faucet (Delta 500-WF)	134.48	33.60
		For Faucet With Brass Pop-Up, Add	*11.00*	
22 41 39 00-0010	EA	Chrome, Two Handle, Bath Faucet With Acrylic Handles (Delta 2502LF)	100.22	33.60
		For Faucet With Brass Pop-Up, Add	*16.50*	
		For Faucet With Plastic Pop-Up, Add	*14.00*	

22 41 39 00-0011 Residential Bath And Shower Faucets *(22 41 39)*

22 41 39 00-0012	EA	Single Lever Handle, Chrome Shower Only, Pressure Balanced/Anti-Scald Valve (American Standard T675.501)	173.91	40.51
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0013	EA	Single Lever Handle, Chrome Bath And Shower, Pressure Balanced/Anti-Scald Valve (American Standard T675.502)	202.41	40.51
		For Faucet With Polished Nickel Or Brass Finish, Add	*25.00*	
22 41 39 00-0014	EA	Two-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3275)	161.49	40.51
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0015	EA	Three-Knob Handle Chrome Shower And Tub Filler, Ceramic Valving (American Standard Cadet 3375)	176.84	40.51
		For Faucet With Polished Nickel Or Brass Finish, Add	*75.00*	
		For Faucet With Lever Handles, Add	*8.10*	
22 41 39 00-0016	EA	Hand Shower With Hose And 25" Slide Bar (American Standard 1662.602)	193.15	25.34
22 41 39 00-0017	EA	Wall Mount, Hand Shower With Hose (Delta 55011)	162.63	25.34
22 41 39 00-0018	EA	Wall Mount, Hand Shower Unit With Hose (Delta Faucet 62001 DS)	213.90	25.34

22 41 39 00-0019 Residential Laundry Faucets *(22 41 39)*

22 41 39 00-0020	EA	Stream Straightener Nozzle Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2123LF)	117.07	29.79

22 41 39 00-0021 Residential Laundry/Wash Basin Faucets *(22 41 39)*

22 41 39 00-0022	EA	Hose Thread Spout Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF)	117.93	29.79
22 41 39 00-0023	EA	Hose Thread Spout With Vacuum Breaker Chrome Laundry Faucet, Lever Handles, 4" Center (Delta 2121LF+RP12503)	164.83	32.84

22 41 39 00-0024 Other Residential Faucets *(22 41 39)*

22 41 39 00-0025	EA	Sillcock, Compact, Brass, IPS Or Copper To Hose	34.69	7.60

22 42 Commercial Plumbing Fixtures *(22 40)*

Note: Prices are for commercial grade unless otherwise indicated. Includes final connection and all associated trim (seat, supply stop and line, wax seal, valve). Excludes rough-in within the wall and carrier.

22 42 13 Commercial Water Closets, Urinals, and Bidets *(22 42)*

22 42 13 13 Commercial Water Closets *(22 42 13)*

22 42 13 13-0001 Vitreous China Water Closets *(22 42 13 13)*

Note: With a 2" ball pass.

22 42 13 13-0002 Floor Mounted Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Madera™)	590.15	97.07
22 42 13 13-0004	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Colorado)	583.58	97.07
22 42 13 13-0005	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Priolo®)	717.20	97.07
22 42 13 13-0006	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Wall Outlet, Elongated Vitreous China Water Closet (American Standard Yorkville™)	948.68	97.07
22 42 13 13-0007	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Cadet™)	841.34	97.07
22 42 13 13-0008	EA	1 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (American Standard Compact Cadet™)	780.73	97.07

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0009	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet With Concealed Trapway (American Standard Cadet® 3 FloWise® RIGHT HEIGHT®)	784.90	97.07
22 42 13 13-0010	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Kohler® Wellcomme™)	580.85	97.07
22 42 13 13-0011	EA	1.28 GPF Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Elongated Vitreous China Water Closet (Toto® CT705E)	627.63	97.07

22 42 13 13-0012 Wall Hung Elongated Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0013	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall®)	679.10	119.48
22 42 13 13-0014	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Afwall® ADA Retrofit)	863.91	119.48
22 42 13 13-0015	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Glenwall™)	1,115.10	119.48
22 42 13 13-0016	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Kingston™)	682.14	119.48
22 42 13 13-0017	EA	Flush Valve Type, Blow Out, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler® Stratton™)	1,080.93	119.48
22 42 13 13-0018	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT708E Or CT708EV)	763.65	119.48
22 42 13 13-0019	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn Z5615-BWL)	636.78	119.48
22 42 13 13-0020	EA	Flush Valve Type, Siphon Jet, Wall Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Sloan ST-2459)	673.54	119.48

22 42 13 13-0021 Floor Mounted Elongated Handicapped Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0022	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Madera™ ADA)	599.23	97.07
22 42 13 13-0023	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Colorado Right Height®)	615.30	97.07
22 42 13 13-0024	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Right Width™ Right Height®)	686.13	97.07
22 42 13 13-0025	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Huron)	773.75	97.07
22 42 13 13-0026	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Priolo® ADA)	770.10	97.07
22 42 13 13-0027	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Back Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Yorkville™ ADA)	1,049.76	97.07
22 42 13 13-0028	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (American Standard Cadet Right Height™ ADA)	874.52	97.07
22 42 13 13-0029	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Toto® CT705ELN)	671.38	97.07
22 42 13 13-0030	EA	2 Piece Tank Type, High Efficiency Water Closet Floor Mounted, Elongated, (Sterling 402077) With Open-Front Seat (Kohler K-4650)	730.65	97.07
22 42 13 13-0031	EA	2 Piece Tank Type, Pressure Assisted, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Kohler Highline™ ADA K-3519)	896.52	97.07
22 42 13 13-0032	EA	2 Piece Tank Type, Dual-Flush 1.1 And 1.6 GPF, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Vortens Vienna ELX-DF 3113-3436)	683.85	97.07
22 42 13 13-0033	EA	2 Piece Tank Type, High Eficiency Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Niagara Stealth™)	664.15	97.07
22 42 13 13-0034	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Water Closet (Zurn HET Z5667-BWL)	634.52	97.07

22 42 13 13-0035 Floor Mounted, 10" High Bowl, Children's Height Vitreous China Water Closets *(22 42 13 13-0001)*

Note: Includes wax seal and toilet seat. Excludes flush valve.

22 42 13 13-0036	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Elongated Vitreous China Water Closet (Kohler® Primary™)	680.44	97.07
22 42 13 13-0037	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	607.25	97.07
22 42 13 13-0038	EA	2 Piece Tank Type, Siphon Jet, Floor Mounted, Floor Outlet, 10" High Bowl, Children's Height, Round Front Vitreous China Water Closet (American Standard Baby Devoro™)	721.18	97.07

22 42 13 13-0039 Floor Mounted Round Bowl Vitreous China Water Closets *(22 42 13 13-0001)*

22 42 13 13-0040	EA	2 Piece Tank Type, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Toto® CST715) With SoftClose® Seat (Toto® SS113)	662.11	97.07
22 42 13 13-0041	EA	2 Piece Tank Type, Dual Flush, Floor Mounted, Floor Outlet, Round Vitreous China Water Closet (Vortens 3208-3412)	670.86	97.07

22 42 13 13-0042 Stainless Steel Water Closets *(22 42 13 13)*

22 42 13 13-0043	EA	Wall Hung Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2105-T-1-HS)	3,716.28	210.02
22 42 13 13-0044	EA	Floor Mounted Water Closet, Stainless Steel With Hinged Seat, Siphon Jet (Acorn 2120-T-3-HS)	3,920.57	210.02

22 42 13 13-0045 Water Closet Carriers *(22 42 13 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0046		**Pipe Grip Adaptor Type, Water Closet Carriers** *(22 42 13 13-0045)* Note: Includes coated cast iron construction, plated hardware and adjustable feet. Excludes waste piping and fittings.		
22 42 13 13-0047	EA	Pipe Grip Adaptor Type, Water Closet Carrier	462.15	49.28
22 42 13 13-0048		**No-Hub, Water Closet Carriers** *(22 42 13 13-0045)* Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0049	EA	Vertical Close With Offset, No-Hub, Single Water Closet Carrier	706.15	49.28
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-59.86*	
		For Positioning Frame, Add	*39.65*	
		For Supply Pipe Support, Add	*40.54*	
		For Vandal Proof Trim, Add	*50.95*	
		For Auxiliary Inlet, Add	*171.98*	
		For Special Duty 500 LB Carrier, Add	*284.21*	
22 42 13 13-0050	EA	Vertical Close On Stack, No-Hub, Single Water Closet Carrier	706.15	49.28
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-59.86*	
		For Positioning Frame, Add	*39.65*	
		For Supply Pipe Support, Add	*40.54*	
		For Vandal Proof Trim, Add	*50.95*	
		For Auxiliary Inlet, Add	*171.98*	
		For Special Duty 500 LB Carrier, Add	*284.21*	
22 42 13 13-0051	EA	Horizontal Adjustable, No-Hub, Single Water Closet Carrier	769.60	49.28
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-59.86*	
		For Positioning Frame, Add	*39.65*	
		For Supply Pipe Support, Add	*40.54*	
		For Vandal Proof Trim, Add	*50.95*	
		For Auxiliary Inlet, Add	*171.98*	
		For Horizontal No Hub Cast Long Barrel, Add	*174.91*	
		For Carrier For Wide Chase Installations, Add	*233.39*	
		For Special Duty 1,000 LB Carrier, Add	*284.22*	
22 42 13 13-0052	EA	Vertical Adjustable On Stack, No-Hub, Single Water Closet Carrier	850.94	49.28
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-59.86*	
		For Positioning Frame, Add	*39.65*	
		For Supply Pipe Support, Add	*40.54*	
		For Vandal Proof Trim, Add	*50.95*	
		For 4" Branch, Add	*134.70*	
		For Auxiliary Inlet, Add	*171.98*	
		For Carrier For Wide Chase Installations, Add	*233.39*	
		For Double 4" Branches, Add	*270.29*	
		For Special Duty 1,000 LB Carrier, Add	*284.22*	
22 42 13 13-0053	EA	Vertical Close With Offset, No-Hub, Double Water Closet (Back To Back) Carrier	1,172.07	72.33
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-119.75*	
		For Positioning Frame, Add	*86.28*	
		For Supply Pipe Support, Add	*88.07*	
		For Vandal Proof Trim, Add	*101.90*	
		For Auxiliary Inlet, Add	*185.98*	
		For Special Duty 500 LB Carrier, Add	*568.42*	
22 42 13 13-0054	EA	Vertical Close On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,204.26	72.33
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-119.75*	
		For Positioning Frame, Add	*86.28*	
		For Supply Pipe Support, Add	*88.07*	
		For Vandal Proof Trim, Add	*101.90*	
		For Auxiliary Inlet, Add	*185.98*	
		For Special Duty 500 LB Carrier, Add	*568.42*	
22 42 13 13-0055	EA	Vertical Adjustable On Stack, No-Hub, Double Water Closet (Back To Back) Carrier	1,460.76	72.33
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-119.75*	
		For Positioning Frame, Add	*86.28*	
		For Supply Pipe Support, Add	*88.07*	
		For Vandal Proof Trim, Add	*101.90*	
		For 4" Branch, Add	*141.70*	
		For Auxiliary Inlet, Add	*185.98*	
		For Double 4" Branches, Add	*284.29*	
		For Carrier For Wide Chase Installations, Add	*508.77*	
		For Special Duty 1,000 LB Carrier, Add	*568.43*	
22 42 13 13-0056	EA	Horizontal Adjustable, No-Hub, Double Water Closet (Back To Back) Carrier	1,376.74	72.33
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-119.75*	
		For Positioning Frame, Add	*86.28*	
		For Supply Pipe Support, Add	*88.07*	
		For Vandal Proof Trim, Add	*101.90*	
		For Horizontal No Hub Cast Long Barrel, Add	*181.91*	
		For Carrier For Wide Chase Installations, Add	*508.77*	
		For Special Duty 1,000 LB Carrier, Add	*568.43*	
22 42 13 13-0057		**Hub And Spigot, Water Closet Carriers** *(22 42 13 13-0045)* Note: Includes coated cast iron construction, ABS extension with integral test cap, plated hardware and neoprene fixture gasket. Includes buttress feet or pylon feet and anchor foot.		
22 42 13 13-0058	EA	Vertical Close With Offset, Hub And Spigot, Single Water Closet Carrier	706.15	49.28
		For Positioning Frame, Add	*39.65*	
		For Supply Pipe Support, Add	*40.54*	
		For Vandal Proof Trim, Add	*50.95*	
		For Hanger Type Closet Adapter, Add	*127.81*	
		For Auxiliary Inlet, Add	*171.98*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 13-0059	EA	Vertical Close On Stack, Hub And Spigot, Single Water Closet Carrier	706.15	49.28
		For Positioning Frame, Add	*39.65*	
		For Supply Pipe Support, Add	*40.54*	
		For Vandal Proof Trim, Add	*50.95*	
		For Auxiliary Inlet, Add	*171.98*	
		For Special Duty 500 LB Carrier, Add	*284.21*	
22 42 13 13-0060	EA	Vertical Adjustable On Stack, Hub And Spigot, Single Water Closet Carrier	881.32	49.28
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-59.86*	
		For Positioning Frame, Add	*39.65*	
		For Supply Pipe Support, Add	*40.54*	
		For Vandal Proof Trim, Add	*50.95*	
		For 4" Branch, Add	*134.70*	
		For Auxiliary Inlet, Add	*171.98*	
		For Carrier For Wide Chase Installations, Add	*233.39*	
		For Double 4" Branches, Add	*270.29*	
		For Special Duty 1,000 LB Carrier, Add	*284.22*	
22 42 13 13-0061	EA	Vertical Close With Offset, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,172.07	72.33
		For Positioning Frame, Add	*86.28*	
		For Supply Pipe Support, Add	*88.07*	
		For Vandal Proof Trim, Add	*101.90*	
		For Auxiliary Inlet, Add	*185.98*	
		For Hanger Type Closet Adapter, Add	*255.61*	
22 42 13 13-0062	EA	Vertical Adjustable On Stack, Hub And Spigot, Double Water Closet (Back To Back) Carrier	1,491.15	72.33
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-119.75*	
		For Positioning Frame, Add	*86.28*	
		For Supply Pipe Support, Add	*88.07*	
		For Vandal Proof Trim, Add	*101.90*	
		For 4" Branch, Add	*141.70*	
		For Auxiliary Inlet, Add	*185.98*	
		For Double 4" Branches, Add	*284.29*	
		For Carrier For Wide Chase Installations, Add	*508.77*	
		For Special Duty 1,000 LB Carrier, Add	*568.43*	

22 42 13 13-0063 Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Water Closet Carriers

(22 42 13 13-0045)

Note: Includes coated cast iron construction, plastic fitting adaptor with extension and plated hardware.

22 42 13 13-0064	EA	Vertical On Stack, Floor Mount Polyvinyl Chloride (PVC) Adaptor Type, Single Water Closet Carrier	549.74	49.28
		For Positioning Frame, Add	*39.65*	
		For Supply Pipe Support, Add	*40.54*	
		For Vandal Proof Trim, Add	*50.95*	
		For Hanger Type Closet Adapter, Add	*127.81*	

22 42 13 13-0065 Institutional Water Closet Carriers *(22 42 13 13-0045)*

Note: Includes coated cast iron construction, ABS extension with integral test cap, buttress feet, plated hardware and neoprene fixture gasket.

22 42 13 13-0066	EA	Vertical On Stack, No-Hub, 90 Degree Institutional, Double Waste Fitting With Vent And Carrier, Water Closet Carrier	1,905.85	72.33
		For Carrier For Floor Mounted, Back Outlet China Bowls, Deduct	*-119.75*	
		For Positioning Frame, Add	*86.28*	
		For Supply Pipe Support, Add	*88.07*	
		For Vandal Proof Trim, Add	*101.90*	
		For Auxiliary Inlet, Add	*185.98*	

22 42 13 13-0067 Removal And Reinstallation Of Fixtures And Trim *(22 42 13 13)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 13 13-0068	EA	Removal And Reinstallation Of Wall Hung Water Closet With Tank	426.75	
22 42 13 13-0069	EA	Removal And Reinstallation Of Wall Hung Water Closet With Flush Valve	426.75	
22 42 13 13-0070	EA	Removal And Reinstallation Of Floor Mount Water Closet With Tank	328.22	
22 42 13 13-0071	EA	Removal And Reinstallation Of Floor Mount Water Closet With Flush Valve	328.22	

22 42 13 16 Commercial Urinals *(22 42 13)*

22 42 13 16-0001 Vitreous China Urinals *(22 42 13 16)*

Note: Excludes flush valve unless indicated otherwise.

22 42 13 16-0002 Wall Hung Urinals *(22 42 13 16-0001)*

22 42 13 16-0003	EA	Wall Hung Washout, Vitreous China Urinal (American Standard Maybrook™)	526.29	99.88
22 42 13 16-0004	EA	Wall Hung, Washout, Vitreous China Urinal With Top Spud (American Standard Washbrook®)	646.25	99.88
22 42 13 16-0005	EA	Wall Hung, Washout, Vitreous China Urinal With Back Spud (American Standard Washbrook®)	671.34	99.88
22 42 13 16-0006	EA	Wall Hung, Blowout, Vitreous China Urinal (American Standard Lynbrook™)	708.19	99.88
22 42 13 16-0007	EA	Wall Hung Siphon Jet, Vitreous China Urinal (American Standard Trimbrook™)	644.30	99.88
22 42 13 16-0008	EA	Wall Hung, Siphon Jet, Vitreous China Urinal (American Standard Allbrook™)	542.99	99.88
22 42 13 16-0009	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT447E Or UT447EV)	661.92	99.88
22 42 13 16-0010	EA	Wall Hung, Washout, Vitreous China Urinal (Toto® UT104E Or UT104EV)	564.97	99.88
22 42 13 16-0011	EA	Wall Hung, Washout, Vitreous China Urinal (Zurn Z5798)	612.08	99.88
22 42 13 16-0012	EA	0.125 To 0.5 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1009-A)	558.04	99.88
22 42 13 16-0013	EA	1.0 GPF, HEU, Wall Hung, Washout, Vitreous China Urinal (Sloan SU-1006-A)	555.98	99.88

22 42 13 16-0014 Floor Mounted Urinals *(22 42 13 16-0001)*

22 42 13 16-0015	EA	Washout, Floor Mounted, Vitreous China Urinal (American Standard Stallbrook™)	882.59	126.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 13 16-0016	EA	Washout, Floor Mounted, Vitreous China Urinal (Kohler® Branham™)	1,004.94	126.00
22 42 13 16-0017	EA	Floor Mounted Urinal Seam Cover For 21" Centers (Kohler® K-4931)	292.75	23.34
22 42 13 16-0018	EA	Floor Mounted Urinal Seam Cover For 24" Centers (Kohler® K-4932)	332.82	23.34

22 42 13 16-0019 Waterfree Urinals *(22 42 13 16-0001)*

22 42 13 16-0020	EA	Waterfree, Wall Hung, Vitreous China Urinal (American Standard Large FloWise® Flush-Free)	593.90	70.01
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-41.10*	
22 42 13 16-0021	EA	Waterfree, Wall Hung, Vitreous China Urinal (SLOAN WES-1000)	837.18	70.01
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-68.84*	
22 42 13 16-0022	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-2000)	729.94	70.01
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-56.61*	
22 42 13 16-0023	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-4000)	574.78	70.01
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-38.92*	
22 42 13 16-0024	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-5000)	574.78	70.01
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-38.92*	
22 42 13 16-0025	EA	Waterfree, Wall Hung, Vitreous China Urinal (Falcon F-7000)	696.69	70.01
		For Colored Fixtures, Add	*66.90*	
		For >1, Deduct	*-52.82*	
22 42 13 16-0026	EA	Waterfree, Wall Hung, Stainless Steel Urinal (Falcon F-9000)	1,022.58	70.01
		For >1, Deduct	*-89.97*	

22 42 13 16-0027 Stainless Steel Urinals *(22 42 13 16)*

22 42 13 16-0028	EA	Wall Hung Urinal, Stainless Steel, Blowout Jet (Acorn 2160-T-1)	3,831.20	210.02
22 42 13 16-0029	EA	5' Wall Hung Trough Urinal, Stainless Steel With Strainer And Washdown Pipe (Elkay EU6014C)	4,973.69	256.69

22 42 13 16-0030 Urinal Carriers *(22 42 13 16)*

22 42 13 16-0031 Floor Mounted, Urinal Carriers *(22 42 13 16-0030)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 13 16-0032	EA	Floor Mounted Hanger Plate Type, Single Urinal Carrier	400.54	35.47
		For Up To 4" Extension Sleeves And Hardware, Add	*18.77*	
22 42 13 16-0033	EA	Floor Mounted Bearing Plate Type, Single Urinal Carrier	434.50	35.47
		For Up To 4" Extension Sleeves And Hardware, Add	*18.77*	

22 42 13 16-0034 Wall Mounted, Urinal Carriers *(22 42 13 16-0030)*

Note: Includes wall plate and adjustable supporting rods.

22 42 13 16-0035	EA	Wall Mounted Hanger Plate Type, Single Urinal Carrier	188.72	35.47
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*18.77*	

22 42 13 16-0036 Removal And Reinstallation Of Fixtures And Trim *(22 42 13 16)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 13 16-0037	EA	Removal And Reinstallation Of Wall Hung Urinal With Flush Valve	425.22	

22 42 16 Commercial Lavatories and Sinks *(22 42)*

22 42 16 13 Commercial Lavatories *(22 42 16)*

22 42 16 13-0001 Lavatories *(22 42 16 13)*

Note: Includes trap, drain and supply valves. Excludes faucets.

22 42 16 13-0002 Wall Hung Lavatories *(22 42 16 13-0001)*

22 42 16 13-0003	EA	19" x 17" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	522.53	62.53
22 42 16 13-0004	EA	20" x 18" Porcelain Enameled Cast Iron Wall Hung Lavatory (American Standard Regalyn™)	548.12	62.53
22 42 16 13-0005	EA	22" x 19" Porcelain Enameled Cast Iron Wall Hung Lavatory (Kohler® Hampton™)	691.44	62.53
22 42 16 13-0006	EA	18" x 16" Vitreous China Wall Hung Lavatory (American Standard Penlyn™)	475.87	62.53
22 42 16 13-0007	EA	19" x 17" Vitreous China Wall Hung Lavatory (American Standard Declyn™)	404.38	62.53
22 42 16 13-0008	EA	20" x 18" Vitreous China Wall Hung Lavatory (Kohler® Soho®)	522.11	62.53
22 42 16 13-0009	EA	27" x 20" Wheelchair Accessible, Vitreous China Wall Hung Lavatory (American Standard Wheel Chair Users)	622.62	62.53
22 42 16 13-0010	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Roxalyn™)	487.91	62.53
22 42 16 13-0011	EA	20" x 18" Vitreous China Wall Hung Lavatory (American Standard Lucerne™)	425.45	62.53

22 42 16 13-0012 Countertop Lavatories *(22 42 16 13-0001)*

22 42 16 13-0013	EA	20" x 18" Oval Vitreous China Countertop Lavatory (Kohler® Pennington®)	461.34	75.60
22 42 16 13-0014	EA	21" x 18" Vitreous China Countertop Lavatory (American Standard Cadet™ Oval)	470.21	75.60
22 42 16 13-0015	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Farmington™)	494.96	75.60
22 42 16 13-0016	EA	19" x 16" Enameled Cast Iron Countertop Lavatory (Kohler® Ellington™)	521.29	75.60
22 42 16 13-0017	EA	24" x 18" Enameled Cast Iron Countertop Lavatory (Kohler® Thoreau®)	670.16	81.67

22 42 16 13-0018 Undercounter Lavatories *(22 42 16 13-0001)*

22 42 16 13-0019	EA	15" x 12" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	466.37	75.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0020	EA	17" x 14" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	436.03	75.60
22 42 16 13-0021	EA	19" x 16" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	436.03	75.60
22 42 16 13-0022	EA	21" x 17" Vitreous China Undercounter Lavatory (American Standard Ovalyn™)	472.82	75.60
22 42 16 13-0023	EA	15" x 12" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	449.61	75.60
22 42 16 13-0024	EA	17" x 14" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	444.02	75.60
22 42 16 13-0025	EA	19" x 15" Oval Vitreous China Undercounter Lavatory (Kohler® Caxton®)	449.71	75.60
22 42 16 13-0026	EA	18" x 12" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	575.33	75.60
22 42 16 13-0027	EA	21" x 14" Rectangular Vitreous China Undercounter Lavatory (Kohler® Ladena®)	575.33	75.60

22 42 16 13-0028 Pedestal Lavatories *(22 42 16 13-0001)*

22 42 16 13-0029	EA	19" x 24" x 35" High Vitreous China Pedestal Sink (American Standard Cadet™)	596.38	179.68

22 42 16 13-0030 Cultured Marble Vanity Tops *(22 42 16 13-0001)*

Note: Includes predrilled holes for faucet.

22 42 16 13-0031	EA	25" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	385.25	70.01
22 42 16 13-0032	EA	31" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	444.76	74.67
22 42 16 13-0033	EA	37" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	555.11	79.33
22 42 16 13-0034	EA	49" x 19" Cultured Marble Vanity Top With Integrated Backsplash And Sink	800.80	84.00
22 42 16 13-0035	EA	25" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	422.21	70.01
22 42 16 13-0036	EA	31" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	455.17	74.67
22 42 16 13-0037	EA	37" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	616.58	79.33
22 42 16 13-0038	EA	43" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	680.45	81.67
22 42 16 13-0039	EA	49" x 22" Cultured Marble Vanity Top With Integrated Backsplash And Sink	774.80	84.00

22 42 16 13-0040 Quartz Vanity Tops *(22 42 16 13-0001)*

Note: Includes predrilled holes for faucet.

22 42 16 13-0041	EA	25" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	957.31	70.01
22 42 16 13-0042	EA	31" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	998.78	74.67
22 42 16 13-0043	EA	37" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,160.94	79.33
22 42 16 13-0044	EA	43" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,167.80	81.67
22 42 16 13-0045	EA	49" x 22" Quartz Vanity Top With Integrated Backsplash And Sink	1,283.46	84.00
22 42 16 13-0046	EA	61" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	1,757.48	88.67
22 42 16 13-0047	EA	73" x 22" Quartz Vanity Top With Integrated Backsplash And Two Sinks	2,093.94	93.32
22 42 16 13-0048	EA	22" End Splash For Quartz Vanity Tops	58.15	

22 42 16 13-0049 Solid Surface Vanity Tops *(22 42 16 13-0001)*

Note: Includes predrilled holes for faucet.

22 42 16 13-0050	EA	25" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	784.24	70.01
22 42 16 13-0051	EA	31" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	889.74	74.67
22 42 16 13-0052	EA	37" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,010.06	79.33
22 42 16 13-0053	EA	43" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,122.00	81.67
22 42 16 13-0054	EA	49" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,224.10	84.00
22 42 16 13-0055	EA	55" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,359.49	86.34
22 42 16 13-0056	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Sink	1,526.19	88.67
22 42 16 13-0057	EA	61" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,568.22	88.67
22 42 16 13-0058	EA	73" x 22" Solid Surface Vanity Top With Integrated Backsplash And Two Sinks	1,698.38	93.32
22 42 16 13-0059	EA	22" End Splash For Solid Surface Vanity Tops	87.65	

22 42 16 13-0060 Solid Surface Multi-Station Lavatory Systems *(22 42 16 13-0001)*

Note: ADA compliant. Includes integral faucets.

22 42 16 13-0061	EA	2 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-2)	4,442.93	133.13
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*563.00*	
22 42 16 13-0062	EA	3 Station, Solid Surface Multi-Station Lavatory System With Integral Sprayheads And Infrared Controls (Bradley MG-3)	6,493.43	133.13
		For Integral Liquid Soap Dispenser, Add	*171.00*	
		For Integral Photovoltaic Power Panels, Add	*657.00*	
22 42 16 13-0063	EA	12" Length, Solid Surface Countertop Extension (Bradley MG-EXT-12)	312.39	44.38
22 42 16 13-0064	EA	18" Length, Solid Surface Countertop Extension (Bradley MG-EXT-18)	383.10	44.38
22 42 16 13-0065	EA	36" Length, Solid Surface Countertop Extension (Bradley MG-EXT-36)	743.22	44.38

22 42 16 13-0066 Stainless Steel Lavatories *(22 42 16 13-0001)*

22 42 16 13-0067	EA	18" x 15" Wall Mounted Lavatory, Stainless Steel (Acorn 1950-1)	1,883.49	163.35

22 42 16 13-0068 Lavatory Carriers *(22 42 16 13)*

22 42 16 13-0069 Floor Mounted, Lavatory Carriers *(22 42 16 13-0068)*

22 42 16 13-0070 Floor Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0069)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 42 16 13-0071	EA	Floor Mounted Hanger Plate Type, Single Lavatory Carrier	400.54	35.47
		For Up To 4" Extension Sleeves And Hardware, Add	*18.77*	
		For Valve Plate For Attaching To Upright, Add	*68.02*	
		For Corner Carrier, Add	*132.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 13-0072	EA	Floor Mounted Bearing Plate Type, Single Lavatory Carrier	434.50	35.47
		For Up To 4" Extension Sleeves And Hardware, Add	*18.77*	
		For Valve Plate For Attaching To Upright, Add	*68.02*	
22 42 16 13-0073	EA	Floor Mounted Hanger Plate Type, Double Lavatory (Back To Back) Carrier	494.38	35.47
		For Up To 4" Extension Sleeves And Hardware, Add	*37.53*	
		For Valve Plate For Attaching To Upright, Add	*136.05*	
22 42 16 13-0074	EA	Floor Mounted Bearing Plate Type, Double Lavatory (Back To Back) Carrier	563.20	35.47
		For Up To 4" Extension Sleeves And Hardware, Add	*37.53*	
		For Valve Plate For Attaching To Upright, Add	*136.05*	

22 42 16 13-0075 Floor Mounted, Lavatory Carriers With Arms *(22 42 16 13-0069)*

Note: Includes leveling and securing screws, structural uprights and welded feet.

22 42 16 13-0076	EA	Floor Mounted, Single Lavatory Carrier With Concealed Arms	513.04	42.00
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*18.77*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*25.92*	
		For Valve Plate For Attaching To Upright, Add	*69.88*	
		For 2" Chrome Plated Escutcheons, Add	*63.45*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*115.29*	
22 42 16 13-0077	EA	Floor Mounted, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	677.49	42.00
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*18.77*	
		For Vandal Proof Trim, Add	*50.95*	
		For Valve Plate For Attaching To Upright, Add	*69.88*	
		For Heavy Duty Carrier, Add	*65.24*	
22 42 16 13-0078	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Concealed Arms	676.59	42.00
		For Up To 6-1/2" Extension Sleeves And Hardware, Add	*37.53*	
		For Concealed Arm Carrier For Wheelchair Lavatory, Add	*51.84*	
		For Valve Plate For Attaching To Upright, Add	*139.78*	
		For 2" Chrome Plated Escutcheons, Add	*126.91*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*230.59*	
22 42 16 13-0079	EA	Floor Mounted, Double Lavatory (Back To Back) Carrier With Exposed Acid Resistant White Coated Arms	991.20	42.00
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*37.53*	
		For Vandal Proof Trim, Add	*101.90*	
		For Valve Plate For Attaching To Upright, Add	*139.78*	
		For Heavy Duty Carrier, Add	*130.48*	

22 42 16 13-0080 Wall Mounted, Lavatory Carriers *(22 42 16 13-0068)*

22 42 16 13-0081 Wall Mounted Plate Type, Lavatory Carriers *(22 42 16 13-0080)*

Note: Includes wall plate and adjustable supporting rods.

22 42 16 13-0082	EA	Wall Mounted Hanger Plate Type, Single Lavatory Carrier	188.72	35.47
		For Double Plate Carrier, Add	*53.77*	

22 42 16 13-0083 Wall Mounted Plate Type, Lavatory Carriers With Arms *(22 42 16 13-0080)*

Note: Includes wall plate and leveling and securing screws.

22 42 16 13-0084	EA	Wall Mounted Fixed Steel Plate Type, Single Lavatory Carrier With Concealed Arms	304.80	42.00
		For Up To 4" Extension Sleeves And Hardware, Add	*18.77*	
		For 2" Chrome Plated Escutcheons, Add	*63.45*	
22 42 16 13-0085	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Concealed Arms	354.85	42.00
		For Movable Mounting Brackets, Deduct	*-48.25*	
		For Up To 4" Extension Sleeves And Hardware, Add	*18.77*	
		For 2" Chrome Plated Escutcheons, Add	*63.45*	
		For 4" Or 6" Chrome Plated Escutcheons, Add	*115.29*	
22 42 16 13-0086	EA	Wall Mounted Adjustable Plate Type, Single Lavatory Carrier With Exposed Acid Resistant White Coated Arms	509.47	42.00
		For Up To 4-1/2" Extension Sleeves And Hardware, Add	*18.77*	
		For Vandal Proof Trim, Add	*50.95*	

22 42 16 13-0087 Removal And Reinstallation Of Lavatory And Trim *(22 42 16 13)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 16 13-0088	EA	Removal And Reinstallation Of Wall Hung Lavatory With Faucet	274.53	

22 42 16 16 Commercial Sinks *(22 42 16)*

22 42 16 16-0001 Sinks *(22 42 16 16)*

Note: Includes drain, trap and supply valves. Excludes faucets.

22 42 16 16-0002 Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0003	EA	25" x 22" x 8-3/4" Enameled Cast Iron Kitchen Sink, Single Bowl (Kohler® Mayfield®)	635.77	87.74
22 42 16 16-0004	EA	22" x 33" x 9-5/8" Enameled Cast Iron Kitchen Sink, Double Bowl (Kohler® Brookfield®)	826.82	99.88
22 42 16 16-0005	EA	15" x 17" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1517)	716.77	85.87
		For 18 Gauge, Add	*183.38*	
22 42 16 16-0006	EA	17" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR1722)	733.22	85.87
		For 18 Gauge, Add	*191.60*	
22 42 16 16-0007	EA	22" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2222)	770.24	85.87
		For 18 Gauge, Add	*210.11*	
22 42 16 16-0008	EA	25" x 22" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR2522)	806.12	87.74
		For 18 Gauge, Add	*222.45*	
22 42 16 16-0009	EA	31" x 22" x 7-1/4" Stainless Steel Kitchen Sink, Single Bowl, 20 Gauge (Elkay PSR3122)	1,003.54	99.88
		For 18 Gauge, Add	*303.35*	
22 42 16 16-0010	EA	33" x 21" x 7-1/2" Stainless Steel Kitchen Sink, Double Bowl, 20 Gauge (Elkay PSR3321)	1,023.47	99.88
		For 18 Gauge, Add	*313.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0011	EA	15" x 17" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR151710)	983.45	85.87
22 42 16 16-0012	EA	17" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR172210)	1,001.96	85.87
22 42 16 16-0013	EA	22" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR222210)	1,048.58	85.87
22 42 16 16-0014	EA	25" x 22" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR252210)	1,113.94	87.74
22 42 16 16-0015	EA	31" x 22" x 11-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay DLR312210)	1,338.78	99.88
22 42 16 16-0016	EA	33" x 22" x 8" Stainless Steel Kitchen Sink, Double Bowl, 18 Gauge (Elkay LR3322)	1,286.04	99.88

22 42 16 16-0017 Undermount Kitchen Sinks *(22 42 16 16-0001)*

22 42 16 16-0018	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU2115) With Strainer (Elkay LK99)	884.68	85.87
22 42 16 16-0019	EA	21" x 15" x 10" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELU211510) With Strainer (Elkay LK99)	882.67	85.87
22 42 16 16-0020	EA	21" x 15" x 7-1/2" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH2115) With Strainer (Elkay LK99)	891.53	85.87
22 42 16 16-0021	EA	21" x 15" x 10" Stainless Steel Kitchen Sink With Cutting Board, Single Bowl, 18 Gauge (Elkay ELUH211510) With Strainer (Elkay LK99)	938.15	85.87
22 42 16 16-0022	EA	21" x 15-3/4" x 4-3/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHAD2115) With Strainer (Elkay LK99) Note: Available in 4-1/2", 5, or 5-1/2" depths.	908.67	85.87
22 42 16 16-0023	EA	25" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF2520) With Strainer (Elkay LK99)	1,028.15	85.87
22 42 16 16-0024	EA	32" x 20-1/2" x 7-7/8" Stainless Steel Kitchen Sink, Single Bowl, 18 Gauge (Elkay ELUHF3320) With Strainer (Elkay LK99)	1,206.79	85.87
22 42 16 16-0025	EA	21" x 18" x 5-1/2" Deep, Single Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. US-ADA-1821-A)	736.12	85.87
22 42 16 16-0026	EA	32" x 18" x 5-1/2" Deep, Two Compartment Stainless Steel Sink, Undermount, 18 Gauge (Just Manufacturing Co. UD-ADA-1832-A)	936.70	85.87

22 42 16 16-0027 Multi-Station Wash Sink, Wall Mounted *(22 42 16 16-0001)*

Note: Includes concealed wall hanger, soap dish(s), strainer, supply lines and P-Trap. Excludes faucets.

22 42 16 16-0028	EA	36" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	1,771.78	151.68
22 42 16 16-0029	EA	48" Wide, 2 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,363.46	163.35
22 42 16 16-0030	EA	60" Wide, 3 Station Enameled Cast Iron Multi-Station Wash Sink (Kohler® Brockway™) Note: Excludes faucets.	2,715.62	175.01
22 42 16 16-0031	EA	48" Wide, 2 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	1,772.19	116.68
22 42 16 16-0032	EA	62" Wide, 3 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	1,965.60	128.34
22 42 16 16-0033	EA	80" Wide, 4 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,155.31	140.01
22 42 16 16-0034	EA	102" Wide, 5 Station Stainless Steel Multi-Station Wash Sink (Bradley 6951) Note: Excludes faucets.	2,392.31	157.51
22 42 16 16-0035	EA	27" Diameter, 2 Person, Stainless Steel, Sensor Operated Compact Wash Fountain Note: Includes sensor operated spray heads.	2,278.26	256.69

22 42 16 16-0036 Utility Or Laundry Sinks *(22 42 16 16-0001)*

22 42 16 16-0037	EA	23" x 21" Molded Stone Single Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FL-1)	576.98	99.88
22 42 16 16-0038	EA	40" x 24" Molded Stone Double Laundry Sink, Floor Mounted With Enamel Steel Legs (Fiat Products FLTD-II)	670.21	99.88
22 42 16 16-0039	EA	22" x 17" Molded Stone Single Laundry Sink, Drop-In (Fiat Products DL1)	575.18	99.88
22 42 16 16-0040	EA	24" x 21" Enameled Cast Iron Single Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2210)	904.69	99.88
22 42 16 16-0041	EA	48" x 21" Enameled Cast Iron Double Laundry Sink, Floor Mounted With Metal Stand (Eljer 222-2220)	1,301.17	112.01

22 42 16 16-0042 Refinish Sink/Lavatory *(22 42 16 16-0001)*

22 42 16 16-0043	EA	Refinish Sink/Lavatory	219.09	

22 42 16 16-0044 Service Sinks *(22 42 16 16-0001)*

22 42 16 16-0045	EA	22" x 18" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Lakewell™)	920.33	150.28
22 42 16 16-0046	EA	24" x 20" Enameled Cast Iron Wall Mount Service Sink With Stainless Steel Rim Guard, Trap Standard (American Standard Akron™)	971.19	150.28
22 42 16 16-0047	EA	28" x 28" Enameled Cast Iron Floor Type Corner Service Sink With Removable Vinyl Coated Rim Guard (American Standard Florwell™)	1,228.39	198.81
22 42 16 16-0048	EA	12" x 12" x 10" Cast Iron Floor Sink With Dome Strainer And Full Grate (Zurn FD2377-PO3-F)	507.04	140.01
22 42 16 16-0049	EA	24" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB2424)	588.23	140.01
22 42 16 16-0050	EA	36" x 24" x 10" Plastic Composite Mop Service Sink With Combination Dome Strainer And Stainless Steel Lint Basket (Fiat Products MSB3624)	648.79	168.01
22 42 16 16-0051	EA	24" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2424-010)	567.51	140.01
22 42 16 16-0052	EA	36" x 24" x 10" Molded Stone Mop Service Sink With Strainer (Swanstone MS-2436-010)	643.40	168.01
22 42 16 16-0053	EA	24" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-24)	701.09	140.01
22 42 16 16-0054	EA	36" x 24" x 12" Terrazzo Mop Service Sink With Strainer (Acorn TSH-3624)	863.13	168.01

22 42 16 16-0055 Soapstone Sinks *(22 42 16 16-0001)*

22 42 16 16-0056	EA	26-1/2" x 18-1/2" x 7-3/4" Single Bowl Soapstone Sink	1,005.39	85.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 16 16-0057	SF	Soapstone Sink Backsplash	161.92	
22 42 16 16-0058	EA	30" x 18-1/2" x 10" Single Bowl Soapstone Sink	1,284.75	99.88
22 42 16 16-0059	EA	36" x 18-1/2" x 10" Double Bowl Soapstone Sink	1,508.45	99.88

22 42 16 16-0060 Stainless Steel Sink And Drainboard *(22 42 16 16-0001)*

22 42 16 16-0061	EA	Stainless Steel Sink With One 24" x 24" x 14" Depth Compartment And Drainboard, 14 Gauge Stainless Steel With Tubular Adjustable Legs (Advance Tabco 94-41-24-24L)	2,899.79	233.35

22 42 16 16-0062 Sink Carriers *(22 42 16 16)*

22 42 16 16-0063 Floor Mounted, Sink Carriers *(22 42 16 16-0062)*

Note: With support plates, adjustable coupling with 4" piping connection, mounting studs, structural uprights, welded feet and chrome plated trim.

22 42 16 16-0064	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling	574.82	35.47
		For Vandal Proof Trim, Add	*50.95*	
		For Valve Plate For Attaching To Upright, Add	*68.02*	
22 42 16 16-0065	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With 4" Adjustable Coupling And 4" x 2" Waste Fitting	881.37	35.47
		For Vandal Proof Trim, Add	*50.95*	
		For Auxiliary Vent, Add	*152.94*	
22 42 16 16-0066	EA	Floor Mounted Heavy Duty Support Plate Type, Single Sink Carrier With Exposed Acid Resistant White Coated Arms	1,099.46	35.47
		For Up To 4" Extension Sleeves And Hardware, Add	*38.43*	
		For Vandal Proof Trim, Add	*50.95*	

22 42 16 16-0067 Removal And Reinstallation Of Sink And Trim *(22 42 16 16)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 16 16-0068	EA	Removal And Reinstallation Of Wall Hung Service Sink With Faucet	376.37	

22 42 19 Commercial Bathtubs *(22 42)*

22 42 19 00-0001 Recessed Alcove Bathtubs *(22 42 19)*

22 42 19 00-0002 Porcelain Enameled Cast Iron, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0003	EA	54" x 30-1/4" x 14", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Seaforth™)	1,395.07	259.48
22 42 19 00-0004	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Mendota®)	1,194.81	259.48
22 42 19 00-0005	EA	60" x 32" x 16-1/4", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Dynametric®)	1,400.09	259.48
22 42 19 00-0006	EA	66" x 32" x 17", Porcelain Enameled Cast Iron, Recessed Alcove Bathtub (Kohler® Bellwether®)	1,802.86	259.48

22 42 19 00-0007 Porcelain Enameled Steel, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0008	EA	60" x 30" x 14-1/4", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Salem®)	616.26	259.48
22 42 19 00-0009	EA	60" x 30" x 16-5/8", Porcelain Enameled Steel, Recessed Alcove Bathtub (American Standard New Solar®)	630.60	259.48

22 42 19 00-0010 Porcelain Finished Metal Alloy, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0011	EA	60" x 32" x 17-3/4", Porcelain Finished Metal Alloy, Recessed Alcove Bathtub (American Standard Cambridge™)	912.92	259.48

22 42 19 00-0012 Acrylic, Recessed Alcove Bathtubs *(22 42 19 00-0001)*

22 42 19 00-0013	EA	60" x 32" x 19", Acrylic, Recessed Alcove Bathtub (Kohler® Archer®)	940.04	259.48
22 42 19 00-0014	EA	60" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,113.42	259.48
22 42 19 00-0015	EA	66" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,135.81	259.48
22 42 19 00-0016	EA	72" x 36" x 20", Acrylic, Recessed Alcove Bathtub (Kohler® Mariposa®)	1,122.05	259.48
22 42 19 00-0017	EA	72" x 42" x 21", Acrylic, Recessed Alcove Bathtub (Kohler® Windward®)	1,171.56	259.48

22 42 19 00-0018 Bathtub Refinishing *(22 42 19 00-0001)*

22 42 19 00-0019	EA	Refinish Porcelain Finished Bathtub With Acrylic Urethane Enamel	504.02	

22 42 19 00-0020 Tub And Shower Combinations *(22 42 19)*

22 42 19 00-0021 Acrylic Tub And Shower Combination *(22 42 19 00-0020)*

22 42 19 00-0022	EA	1 Piece, 60" x 32" x 72" Acrylic Tub And Shower (Delta 226032)	920.14	95.85
		For 2 Piece Enclosure, Deduct	*-203.26*	

22 42 19 00-0023 Fiberglass Tub And Shower Combination *(22 42 19 00-0020)*

22 42 19 00-0024	EA	1 Piece 60" x 32" x 72" Fiberglass Tub And Shower (Aquatic 2603-SG)	779.15	95.85
22 42 19 00-0025	EA	2 Piece 60" x 30" x 72" Fiberglass Tub And Shower (Aquatic 2603-2P)	619.40	63.90
22 42 19 00-0026	EA	4 Piece 60" x 32" x 75-1/2" Fiberglass Tub And Shower (Aquatic 26030-4P)	1,235.48	144.67
22 42 19 00-0027	EA	3 Piece Tub/Shower Surrounds, 32" x 72" Side Walls, 48" x 72" Back, (Swanstone SK-324872)	2,308.55	285.05
		For 2 Piece Enclosure, Deduct	*-483.31*	

22 42 23 Commercial Showers *(22 42)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0001		**Shower Enclosures** *(22 42 23)*		
		Note: Includes precast concrete receptors. Excludes plumbing hook-up and door or curtain.		
22 42 23 00-0002		**Powder Coated Or Baked Enamel Steel Shower Enclosure** *(22 42 23 00-0001)*		
22 42 23 00-0003	EA	32" x 32" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,184.12	150.55
22 42 23 00-0004	EA	36" x 36" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,184.12	150.55
22 42 23 00-0005	EA	40" x 40" x 82" Baked Enamel Steel Shower Enclosure (General Partitions)	1,749.25	150.55
22 42 23 00-0006	EA	40" x 48" x 82" Handicapped, Baked Enamel Steel Shower Enclosure (General Partitions)	1,917.03	150.55
22 42 23 00-0007		**Solid Plastic Core High Density Polymer (HDP) Shower Enclosure** *(22 42 23 00-0001)*		
22 42 23 00-0008	EA	32" x 32" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,899.37	150.55
22 42 23 00-0009	EA	36" x 36" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	1,899.37	150.55
22 42 23 00-0010	EA	40" x 40" x 82" Single Opening Solid Plastic Shower Enclosure (General Partitions)	2,694.08	150.55
22 42 23 00-0011	EA	40" x 48" x 82" Handicapped, Solid Plastic Shower Enclosure (General Partitions)	3,003.14	150.55
22 42 23 00-0012		**Composite Fiberglass Shower Enclosure, 4 Piece Knock-Down** *(22 42 23 00-0001)*		
22 42 23 00-0013	EA	32" x 32" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3232CS)	1,004.92	150.55
22 42 23 00-0014	EA	36" x 36" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 3636CS)	1,031.03	150.55
22 42 23 00-0015	EA	34" x 48" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 4834CS)	1,057.15	150.55
22 42 23 00-0016	EA	30" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6030CSL)	1,109.38	150.55
22 42 23 00-0017	EA	34" x 60" x 76" Composite Shower Enclosure, 4 Piece (Aquatic 6034CS)	1,178.58	150.55
22 42 23 00-0018		**1 Piece Shower Units** *(22 42 23)*		
22 42 23 00-0019	EA	1 Piece, 32" x 32" x 73" Fiberglass Shower With Drain (Swanstone FS03232)	869.42	95.85
22 42 23 00-0020	EA	1 Piece, 36" x 36" x 73" Fiberglass Shower With Drain (Swanstone FS03636)	965.20	95.85
22 42 23 00-0021		**Personnel Type Shower Receptors** *(22 42 23)*		
22 42 23 00-0022		**Acrylic Shower Receptors** *(22 42 23 00-0021)*		
22 42 23 00-0023	EA	36" x 36" Acrylic Shower Receptor	406.40	38.01
22 42 23 00-0024	EA	42" x 42" Acrylic Shower Receptor	429.73	38.01
22 42 23 00-0025	EA	48" x 48" Acrylic Shower Receptor	476.32	38.01
22 42 23 00-0026	EA	60" x 60" Acrylic Shower Receptor	579.32	45.61
22 42 23 00-0027	EA	48" x 32" Acrylic Shower Receptor	407.50	38.01
22 42 23 00-0028	EA	48" x 36" Acrylic Shower Receptor	438.18	38.01
22 42 23 00-0029	EA	48" x 42" Acrylic Shower Receptor	495.26	38.01
22 42 23 00-0030	EA	60" x 32" Acrylic Shower Receptor	550.29	45.61
22 42 23 00-0031	EA	60" x 36" Acrylic Shower Receptor	554.24	45.61
22 42 23 00-0032	EA	60" x 42" Acrylic Shower Receptor	557.86	45.61
22 42 23 00-0033	EA	60" x 48" Acrylic Shower Receptor	614.57	45.61
22 42 23 00-0034	EA	36" x 36" Acrylic Corner Shower Receptor	593.40	38.01
22 42 23 00-0035	EA	42" x 42" Acrylic Corner Shower Receptor	681.45	38.01
22 42 23 00-0036		**Molded Stone Shower Receptors** *(22 42 23 00-0021)*		
22 42 23 00-0037	EA	32" x 32" Molded Stone Shower Receptor (Fiat 32WL)	270.75	38.01
22 42 23 00-0038	EA	34" x 34" Molded Stone Shower Receptor (Fiat 34WL)	283.91	38.01
22 42 23 00-0039	EA	36" x 36" Molded Stone Shower Receptor (Fiat 36WL)	285.37	38.01
22 42 23 00-0040	EA	42" x 42" Molded Stone Shower Receptor (Fiat 4242WL)	350.46	38.01
22 42 23 00-0041	EA	42" x 34" Molded Stone Shower Receptor (Fiat 42WL)	310.97	38.01
22 42 23 00-0042	EA	48" x 32" Molded Stone Shower Receptor (Fiat 4832WL)	329.25	38.01
22 42 23 00-0043	EA	48" x 34" Molded Stone Shower Receptor (Fiat 48WL)	331.45	38.01
22 42 23 00-0044	EA	54" x 34" Molded Stone Shower Receptor (Fiat 54WL)	383.84	45.61
22 42 23 00-0045	EA	60" x 34" Molded Stone Shower Receptor (Fiat 60WL)	397.74	45.61
22 42 23 00-0046	EA	36" x 36" Molded Stone Corner Shower Receptor (Fiat 36WLC)	314.63	38.01
22 42 23 00-0047	EA	38" x 38" Molded Stone Corner Shower Receptor (Fiat 38WLC)	322.67	38.01
22 42 23 00-0048		**Precast Terrazzo Shower Receptors** *(22 42 23 00-0021)*		
22 42 23 00-0049	EA	30" x 30" Precast Terrazzo Shower Receptor	509.15	38.01
22 42 23 00-0050	EA	32" x 32" Precast Terrazzo Shower Receptor	528.90	38.01
22 42 23 00-0051	EA	34" x 34" Precast Terrazzo Shower Receptor	547.18	38.01
22 42 23 00-0052	EA	36" x 36" Precast Terrazzo Shower Receptor	549.37	38.01
22 42 23 00-0053	EA	40" x 40" Precast Terrazzo Shower Receptor	601.30	38.01
22 42 23 00-0054	EA	42" x 42" Precast Terrazzo Shower Receptor	627.62	38.01
22 42 23 00-0055	EA	48" x 48" Precast Terrazzo Shower Receptor	882.12	38.01
22 42 23 00-0056	EA	36" x 32" Precast Terrazzo Shower Receptor	542.79	38.01
22 42 23 00-0057	EA	42" x 32" Precast Terrazzo Shower Receptor	553.27	38.01
22 42 23 00-0058	EA	42" x 34" Precast Terrazzo Shower Receptor	572.04	38.01
22 42 23 00-0059	EA	42" x 36" Precast Terrazzo Shower Receptor	595.45	38.01
22 42 23 00-0060	EA	32" x 48" Precast Terrazzo Shower Receptor	597.64	38.01
22 42 23 00-0061	EA	48" x 34" Precast Terrazzo Shower Receptor	627.62	38.01
22 42 23 00-0062	EA	54" x 32" Precast Terrazzo Shower Receptor	657.61	38.01
22 42 23 00-0063	EA	60" x 30" Precast Terrazzo Shower Receptor	888.91	45.61
22 42 23 00-0064	EA	60" x 32" Precast Terrazzo Shower Receptor	971.88	45.61
22 42 23 00-0065	EA	60" x 34" Precast Terrazzo Shower Receptor	975.96	45.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 23 00-0066	EA	60" x 36" Precast Terrazzo Shower Receptor	980.00	45.61
22 42 23 00-0067	EA	32" x 32" Precast Terrazzo Corner Shower Receptor	552.30	38.01
22 42 23 00-0068	EA	34" x 34" Precast Terrazzo Corner Shower Receptor	553.27	38.01
22 42 23 00-0069	EA	36" x 36" Precast Terrazzo Corner Shower Receptor	555.22	38.01
22 42 23 00-0070	EA	40" x 40" Precast Terrazzo Corner Shower Receptor	665.65	38.01
22 42 23 00-0071	EA	36" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,210.47	38.01
22 42 23 00-0072	EA	60" x 30", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,347.70	45.61
22 42 23 00-0073	EA	60" x 36", ADA Wheelchair Accessible, Precast Terrazzo Shower Receptor	1,404.74	45.61

22 42 23 00-0074 Shower Receptors Accessories *(22 42 23 00-0021)*

22 42 23 00-0075	SF	Polyvinyl Chloride (PVC) Shower Pan Liner	3.40	

22 42 23 00-0076 Removal And Reinstallation Of Fixtures And Trim *(22 42 23)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 23 00-0077	EA	Removal And Reinstallation Of Shower Head	45.61	

22 42 33 Wash Fountains *(22 42)*

22 42 33 00-0001 Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0002	EA	36" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2705F-A-LSD)	7,428.96	155.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0003	EA	36" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2805F-A-LSD)	4,697.69	155.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0004	EA	36" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3105AIRLSDE)	8,162.10	155.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0005	EA	54" Stainless Steel Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2708F-A-LSD)	9,463.38	177.50
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0006	EA	54" Bradstone® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2808F-A-LSD)	5,420.57	177.50
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0007	EA	54" Terreon® Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3108AIRLSDE)	9,781.12	177.50
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 33 00-0008 Semi-Circular Wash Fountain, Deep Bowl *(22 42 33)*

Note: Includes trim and trap. 2" IPS waste outlets foot control/hand control operated.

22 42 33 00-0009	EA	36" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2703F-A-LSD)	6,481.09	133.13
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0010	EA	36" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2803F-A-LSD)	4,290.33	133.13
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0011	EA	36" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3103AIRLSDE)	6,186.36	133.13
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0012	EA	54" Stainless Steel Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2704F-A-LSD)	7,950.68	155.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0013	EA	54" Bradstone® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley WF2804F-A-LSD)	5,177.74	155.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	
22 42 33 00-0014	EA	54" Terreon® Semi-Circular Wash Fountain Including Trim, Trap, 2" IPS Outlet And Foot/Hand Controls (Bradley TDB3104AIRLSDE)	7,359.63	155.32
		For Metal Soap Dispenser, Add	*100.00*	
		For Stainless Steel Pedestal Panels, Add	*100.00*	

22 42 39 Commercial Faucets, Supplies, and Trim *(22 42)*

22 42 39 00-0001 Kitchen Faucets *(22 42 39)*

22 42 39 00-0002	EA	Top Cast Kitchen Faucet, Single Handle, Chrome Finish (Delta 140-DST)	161.35	46.67
22 42 39 00-0003	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 440-DST)	180.44	46.67
22 42 39 00-0004	EA	Top Cast Kitchen Faucet, Single Handle, Stainless Steel Finish (Delta 140-SS-DST)	161.57	46.67
22 42 39 00-0005	EA	Top Cast Kitchen Faucet With Spray, Single Handle, Stainless Steel Finish (Delta 440 -SS-DST)	180.77	46.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0006	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2102LF-LHP+H24)	151.26	46.67
22 42 39 00-0007	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, 8" Center, Lever Handles (Delta 2402LF-LHP+H24)	164.71	46.67
22 42 39 00-0008	EA	Top Cast Kitchen Faucet, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21987LF)	210.04	46.67
22 42 39 00-0009	EA	Top Cast Kitchen Faucet With Spray, Two Handle, Chrome Finish, Center Gooseneck Faucet, Lever Handles (Delta 21996LF)	153.15	46.67
22 42 39 00-0010	EA	Bottom Mount Kitchen Faucet, Single Handle, Chrome Finish (Delta 101LF-WF)	148.06	46.67
22 42 39 00-0011	EA	Bottom Mount Kitchen Faucet With Spray, Single Handle, Chrome Finish (Delta 175LF-WF)	172.95	46.67
22 42 39 00-0012	EA	Bottom Mount Kitchen Faucet, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2274-LHP+H24)	288.25	46.67
22 42 39 00-0013	EA	Bottom Mount Kitchen Faucet With Spray, Two Handle, Chrome Finish, Gooseneck Faucet, Lever Handles (Delta 2276-LHP+H24)	314.99	46.67
22 42 39 00-0014	EA	Deck Mount Sink Faucet, 8" Center Set, Lever Handles (Chicago Faucet 1100 ABCP)	298.57	50.68
22 42 39 00-0015	EA	Deck Mount Sink Faucet, 8" Center Set, 4" Wristblade Handles (Chicago Faucet 1100-GN2AE3-317CP)	297.26	50.68
22 42 39 00-0016	EA	Deck Mount Gooseneck Sink Faucet, 4" Center Set, Blade Handles (Chicago Faucet 802-317CP)	225.33	50.68
22 42 39 00-0017	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041CR)	501.59	46.67
22 42 39 00-0018	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041NK)	631.31	46.67
22 42 39 00-0019	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray (Elkay LKGT1041RB)	674.55	46.67
22 42 39 00-0020	EA	Chrome Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041CR)	501.59	46.67
22 42 39 00-0021	EA	Brushed Nickel Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041NK)	631.31	46.67
22 42 39 00-0022	EA	Oil Rubbed Bronze Single Handle Kitchen Faucet With Integrated Spray, 1.5 GPM Aerator (Elkay LKLFGT1041RB)	674.55	46.67

22 42 39 00-0023 Lavatory Faucets *(22 42 39)*

22 42 39 00-0024	EA	Single Handle Centerset Lavatory Faucet, Polished Chrome Finish (Delta Lahara 538-MPU-DST)	189.70	33.60
22 42 39 00-0025	EA	4" Centerset Lavatory Faucet With Chrome Lever Handle (Delta 501LF-WF)	134.48	33.60
22 42 39 00-0026	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2523LF-MPU)	164.69	33.60
22 42 39 00-0027	EA	4" Centerset Lavatory Faucet With Chrome Lever Handles (Delta 2529LF-HDM)	179.75	33.60
22 42 39 00-0028	EA	Classic Style Widespread Lavatory Faucet With Chrome Lever Handles (Delta 3530LF-MPU)	218.66	33.60
22 42 39 00-0029	EA	Widespread Lavatory Gooseneck Faucet With Chrome Lever Handles (Delta 3579LF-WFHDF)	253.22	33.60
22 42 39 00-0030	EA	Self Closing/Metered Faucet, Brass, Single Hole, Push Handle (Delta 86T104)	158.19	33.60
22 42 39 00-0031	EA	Self Closing/Metered Faucet, Double Hole, Push Handles (American Standard 1340.225.002)	235.98	33.60
22 42 39 00-0032	EA	Single Inlet, Push Handle Metering Faucet, ADA (Chicago Faucet 333-665)	172.64	33.60
22 42 39 00-0033	EA	3" Reach, 4-Arm Handle Single Basin Faucet (T&S Brass 0710)	176.43	33.60
22 42 39 00-0034	EA	3" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0712)	211.13	33.60
22 42 39 00-0035	EA	4" Reach, Push Handle Self-Closing Valve, Single Basin Metering Faucet (T&S Brass 0805)	207.03	33.60
22 42 39 00-0036	EA	4" Classic Style Centerset Lavatory Faucet With Chrome Lever Handles (Zurn Z81104)	170.83	33.60

22 42 39 00-0037 Bath And Shower Faucets *(22 42 39)*

22 42 39 00-0038 Bath And Shower Faucets With Valve Body *(22 42 39 00-0037)*

22 42 39 00-0039	EA	Single Lever Handle Chrome Tub Filler, Pressure-Balance (American Standard T480 500)	178.30	40.51
22 42 39 00-0040	EA	Single Lever Handle, Chrome Shower Only, Pressure-Balance (American Standard T480.501)	206.79	40.51
22 42 39 00-0041	EA	Single Lever Handle, Chrome Shower And Tub Filler, Pressure-Balance (American Standard T480.502)	225.06	40.51
22 42 39 00-0042	EA	Two Lever Handle, Chrome Tub Filler (American Standard Colony Soft 3275.505)	165.88	40.51
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0043	EA	Two Lever Handle, Chrome Shower Only (American Standard Colony Soft 3275.501)	173.18	40.51
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0044	EA	Two Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3275.502)	194.37	40.51
		For Faucet With Metal Cross Handles, Add	*45.75*	
22 42 39 00-0045	EA	Three Lever Handle, Chrome Shower And Tub Filler (American Standard Colony Soft 3375.502)	218.48	40.51
		For Faucet With Metal Cross Handles, Add	*45.75*	

22 42 39 00-0046 Shower Valves And Trim *(22 42 39)*

See CSI section 22 41 39 00-0011 for residential shower valves and heads.

22 42 39 00-0047	EA	Removable Hand Held Shower With Hose Wall Hook And Inline Vacuum Breaker (Powers 141-318 with 141-319)	296.81	63.01
22 42 39 00-0048	EA	Concealed Thermostatic/Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 2502-600CP)	631.21	63.01
22 42 39 00-0049	EA	Concealed Pressure Balancing Control Valve With Chrome Plated Shower Head (Chicago Faucet 1762-ISCP)	447.00	63.01
22 42 39 00-0050	EA	Senior Institutional Shower Head (Symmons® 4-150)	173.73	40.51
22 42 39 00-0051	EA	Universal Institutional Shower Head (Symmons® 4-151)	282.52	40.51
22 42 39 00-0052	EA	Fre-Flo Institutional Shower Head (Symmons® 4-295)	202.37	40.51
22 42 39 00-0053	EA	Fre-Flo Institutional Shower Head With Short Arm (Symmons® 4-385)	155.47	40.51
22 42 39 00-0054	EA	Wall Mounted Shower Valve And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-300-B30-V-X)	628.27	60.67
22 42 39 00-0055	EA	Wall Mounted Shower Valve, Tub Faucet, And Slide Bar, Single Lever Concealed Mixer (Symmons® 96-400-B30-V-X)	523.13	70.01
22 42 39 00-0056	EA	Wall Mounted Shower Valve, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-500-B30-V-X)	681.89	70.01
22 42 39 00-0057	EA	Wall Mounted Shower Valve, Tub Faucet, Slide Bar And Head, Single Lever Concealed Mixer (Symmons® 96-600-B30-V-X)	951.11	74.67
22 42 39 00-0058	EA	Stainless Steel Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-801S/1-802S)	864.73	63.01
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0059	EA	Stainless Steel Corner Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Soap Dish, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-807)	1,023.27	63.01
		For Hand Spray, Hose And Wall Hooks, Add	*106.44*	
		For Recessed Soap Dish, Add	*108.12*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*165.51*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0060	EA	Stainless Steel Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S)	704.91	63.01
		For Hand Spray, Hose And Wall Hooks, Add	*19.32*	
		For Hand Spray, Hose And 30" Slide Bar, Add	*78.39*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0061	EA	Stainless Steel Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-911RS)	1,051.14	63.01
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0062	EA	Stainless Steel Double Outlet Institutional Shower System With Thru-Ceiling Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-902S-FS)	1,125.78	63.01
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0063	EA	Stainless Steel Institutional Triple Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-931)	2,055.37	63.01
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*227.79*	
22 42 39 00-0064	EA	Stainless Steel Institutional Double Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Heads, Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-921)	1,798.67	63.01
		For Recessed Soap Dish, Add	*83.94*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0065	EA	Stainless Steel Tub And Shower System With Thru-Wall Exposed Piping Covering, Adjustable Shower Head, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-941-231)	915.57	63.01
22 42 39 00-0066	EA	Stainless Steel Double Outlet Institutional Shower System With Flat Wall Recessed Piping Covering, Vandal Resistant Adjustable Shower Head, Hand Spray, Hose, Wall Hooks, Soap Dish And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-912RS-FS)	1,391.79	63.01
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
		For Pressure Balance And Metering Combination, Add	*291.63*	
22 42 39 00-0067	EA	Stainless Steel Single Supply Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-60)	914.37	63.01
22 42 39 00-0068	EA	Stainless Steel Single Supply Single Outlet Institutional Shower System With Thru-Wall Exposed Piping Covering, Vandal Resistant Adjustable Shower Head, Soap Dish, Sloped Metal Top Cap And Thermostatic/Pressure Balancing Control Valve (Symmons® Hydapipe® 1-901S-22-FS)	911.74	63.01
		For Hand Spray, Hose And 30" Slide Bar, Add	*59.07*	
22 42 39 00-0069	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower System (Symmons SafetyMix 1-100-X-3/4)	671.22	56.01
22 42 39 00-0070	EA	Single Lever Handle, Chrome, Pressure-Balance, Shower Valve (Symmons SafetyMix 4-500)	516.61	40.51

22 42 39 00-0071 Service Sink Faucets *(22 42 39)*

22 42 39 00-0072	EA	4-5/8" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (Kohler® Kinlock™)	381.45	77.71
22 42 39 00-0073	EA	3" Spout, Wall Mount, Service Sink Faucet With Lever Handles (American Standard 8340.235)	279.61	77.71
22 42 39 00-0074	EA	3" Spout With Vacuum Breaker, Wall Mount Service Sink Faucet With Lever Handles (American Standard 8340.243)	299.33	77.71
22 42 39 00-0075	EA	6" Spout With Vacuum Breaker And Top Brace, Wall Mount Service Sink Faucet, Lever Handles (American Standard 8344.012)	309.56	77.71
22 42 39 00-0076	EA	7-1/4" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.101)	406.64	108.93
22 42 39 00-0077	EA	7-1/4" Spout With Vacuum Break And Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8355.110)	456.28	124.14
22 42 39 00-0078	EA	11" Spout With Bottom Fork Brace, Stops In Integral Arm, Wall Mount Service Sink Faucet With Wrist Blade Handles (American Standard 8345.115)	520.57	124.14
22 42 39 00-0079	EA	Wall Mount Service Sink Faucet With Atmospheric Vacuum Breaker Spout, Lever Handles (Chicago Faucet 305-VBRCF)	307.41	77.71
22 42 39 00-0080	EA	44" Flexible Stainless Steel Hose With Insulated Handle, 23" Riser, Pre-Rinse Faucet (Chicago Faucet 923-XKCAB)	617.59	124.14

22 42 39 00-0081 Laboratory Faucets And Fittings *(22 42 39)*

22 42 39 00-0082	EA	Cold Faucet, Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Laboratory Faucet (Chicago Faucet 927)	155.26	33.05
22 42 39 00-0083	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 929)	251.87	46.67
22 42 39 00-0084	EA	Single Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet With Vacuum Breaker (Chicago Faucet 930)	322.18	46.67
22 42 39 00-0085	EA	Cold Wall Mount, Gooseneck Spout With Aerator, Laboratory Faucet (Chicago Faucet 933)	202.71	43.58
22 42 39 00-0086	EA	6" Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940)	276.39	62.16
22 42 39 00-0087	EA	6" Spout With Aerator And Vacuum Breaker, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 940-VBE7-CP)	368.06	62.16
22 42 39 00-0088	EA	Dual Deck Mount, Gooseneck Spout With Serrated Nozzle Outlet, Hot And Cold, Laboratory Faucet (Chicago Faucet 946)	293.48	46.67
22 42 39 00-0089	EA	Gooseneck Spout With Aerator, Wall Mount, Hot And Cold, Laboratory Faucet (Chicago Faucet 942)	293.05	62.16
22 42 39 00-0090	EA	Single Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 350-CP)	190.41	35.88
22 42 39 00-0091	EA	Dual Control, Single Hole Deck Mount Sink Faucet (Chicago Faucet 50-CP)	268.33	50.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0092	EA	4" Center Set, Deck Mount, Lavatory Faucet With Blade Handles (Chicago Faucet 802)	210.24	50.68
22 42 39 00-0093	EA	4" Center Set, Deck Mount, Gooseneck Sink Faucet With Blade Handles (Chicago Faucet 895-317CP)	253.35	50.68
22 42 39 00-0094	EA	Gas Ball Valve, Removable Nozzle, With Index Button (Chicago Faucet 909-AGVCP)	71.51	31.17
22 42 39 00-0095	EA	Dual Service Lab Fitting, Two Gas And One Water Outlet (Chicago Faucet 1332-CP)	403.76	56.01
22 42 39 00-0096	EA	Dual Service Lab Fitting With Wristblade Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-317CP)	514.51	56.01
22 42 39 00-0097	EA	Dual Service Lab Fitting With Metal Cross Handle, Inline Vacuum Breaker, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7-204CP)	615.41	56.01
22 42 39 00-0098	EA	Dual Service Lab Fitting With Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7CP)	546.12	56.01
22 42 39 00-0099	EA	Dual Service Lab Fitting With Chemical Resistant Coating And Plastic Cross Handle, Two Gas And One Water Outlet (Chicago Faucet 1332-E22E7SAM)	647.16	56.01
22 42 39 00-0100	EA	Single, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-131WSA)	113.62	30.80
22 42 39 00-0101	EA	90 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132AWSA)	157.11	36.96
22 42 39 00-0102	EA	180 Degree Double, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-132SWSA)	157.11	36.96
22 42 39 00-0103	EA	Three Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-133WSA)	200.59	43.12
22 42 39 00-0104	EA	Four Way, Deck Mounted Laboratory Ball Valve Assembly (Watersaver L4100-134WSA)	244.06	49.28

22 42 39 00-0105 Gooseneck Faucets With Independent Eyewash *(22 42 39)*

22 42 39 00-0106	EA	Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA)	715.96	35.00
22 42 39 00-0107	EA	Single Lever Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-SL)	775.73	32.67
22 42 39 00-0108	EA	8" Stem, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8)	1,000.81	35.00
22 42 39 00-0109	EA	Serrated Tip With Vacuum Breaker, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-ST)	1,056.88	35.00
22 42 39 00-0110	EA	Thermostatic Mixing Valve Kit For The SEF-1800 (Speakman SEF-TW)	1,282.30	23.34
22 42 39 00-0111	EA	Foot Pedal Activation, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-FP)	1,548.05	58.34
22 42 39 00-0112	EA	Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-TW)	2,159.75	58.34
22 42 39 00-0113	EA	8" Stem, Thermostatic Mixing Valve Kit, Two Handle Widespread Valves, Gooseneck Faucet With Independent Eyewash (Speakman SEF-1800-CA-8TW)	2,231.12	58.34
22 42 39 00-0114	EA	Adjustable Aerated Outlet Heads, Gooseneck Faucet Mounted Eyewash (WaterSaver EW101)	248.07	35.47
22 42 39 00-0115	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW200)	272.49	35.47
22 42 39 00-0116	EA	Gooseneck Faucet Mounted Eyewash With Faucet Control Valve (WaterSaver EW201)	293.81	35.47
22 42 39 00-0117	EA	6 Gallon Capacity, Tempering Valve (WaterSaver AP3600)	1,275.67	23.34

22 42 39 00-0118 Bubblers And Glass Fillers *(22 42 39)*

22 42 39 00-0119	EA	Self-Closing Bubbler Faucet, Metering Handle (Chicago Faucet 748-665CP)	266.32	33.05
22 42 39 00-0120	EA	Wall Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 313-CP)	241.60	43.58
22 42 39 00-0121	EA	7" Overall Outlet Height, Deck Mount Glass Filler, 1/2" Flanged Female Inlet (Chicago Faucet 709-CP)	262.82	33.05
22 42 39 00-0122	EA	Wall Mount, Push Button Single Glass Filler (Chicago Faucet 324-CP)	170.46	47.33
22 42 39 00-0123	EA	Deck Mount, Lever Handle Drinking Faucet (Haws 5054LF)	310.89	35.88
22 42 39 00-0124	EA	Push Button Bubbler, 1/2" OD (Haws 5017LF)	314.90	35.88
22 42 39 00-0125	EA	Push Button Bubbler, 3/8" NPT (Haws 5010-6427)	264.13	35.88

22 42 39 00-0126 Automatic Electronic Sensor Faucets *(22 42 39)*

22 42 39 00-0127	EA	Electronic Lavatory Faucet (American Standard 6055.205.002)	492.21	77.84
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0128	EA	Electronic Lavatory Gooseneck Faucet (American Standard 6055.105.002)	496.60	77.84
		For Faucet With Temperature Control, Add	*40.00*	
22 42 39 00-0129	EA	Electronic Gooseneck Faucet (Chicago Faucet 116.103.AB.1)	659.75	84.52
22 42 39 00-0130	EA	Electronic Lavatory Faucet (Chicago Faucet 116.112.AB.1)	684.54	77.84
22 42 39 00-0131	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880)	1,006.88	84.52
22 42 39 00-0132	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-30880-BDT)	1,253.90	84.52
22 42 39 00-0133	EA	Electronic Soap Dispenser And Faucet Combination (Sloan Optima ESD-35187)	1,172.90	84.52
22 42 39 00-0134	EA	Solar Powered, Electronic Lavatory Faucet With Integral Mixing Valve (Sloan Solis EAF-275-ISM)	824.56	77.84
22 42 39 00-0135	EA	Deck Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1100)	693.59	77.84
22 42 39 00-0136	EA	Wall Mount, AC Power, Electronic Lavatory Faucet (T&S Brass EC1101)	731.21	77.84
22 42 39 00-0137	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC1102)	637.15	77.84
22 42 39 00-0138	EA	Deck Mount, DC Power, Electronic Lavatory Faucet (T&S Brass EC2100)	731.21	77.84
22 42 39 00-0139	EA	Deck Mount, DC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC2102)	642.39	77.84
22 42 39 00-0140	EA	Deck Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3100)	642.39	77.84
22 42 39 00-0141	EA	Wall Mount, AC Power, Electronic Lavatory Gooseneck Faucet (T&S Brass EC3101)	719.75	77.84
22 42 39 00-0142	EA	Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3102)	614.68	77.84
22 42 39 00-0143	EA	4" Deck Mount, AC Power, Spout Version, Electronic Lavatory Faucet (T&S Brass EC3103)	590.95	77.84
22 42 39 00-0144	EA	Self-Generating EcoPower System, Single Supply Sensor Faucet, Standard Spout (Toto "Eco-Power" TEL3GKCN-60)	982.45	77.84

22 42 39 00-0145 Singles *(22 42 39)*

22 42 39 00-0146	EA	Stainless Steel Single Deck Faucet With 6" Swivel/Rigid Gooseneck Spout And Lever Handles (Fisher 58130)	191.20	34.26

22 42 39 00-0147 Other Trim *(22 42 39)*

22 42 39 00-0148	EA	Faucet Aerator, Male Thread 13/16" Male, 2 GPM (Delta RP330)	15.57	5.07
22 42 39 00-0149	EA	1-1/2" Pop-up Tailpiece (Chicago Faucet 226-ACP)	95.13	15.20
22 42 39 00-0150	EA	1-1/4" Grid Strainer Tailpiece (Chicago Faucet 327-XCP)	41.60	12.67
22 42 39 00-0151	EA	1-1/2" Grid Strainer Tailpiece (Chicago Faucet 327-X1-1/2TPCP)	86.78	12.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 39 00-0152	EA	Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Lav Guard 102)	58.67	14.00
22 42 39 00-0153	EA	Soft Lavatory Drainline Guard And Shutoff Covers (IPS Truebro Soft-Guard Plus)	61.40	14.00
22 42 39 00-0154	EA	Lavatory Protective Enclosure (IPS Truebro Lav Shield)	154.66	14.00
22 42 39 00-0155	EA	36" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	189.90	14.00
22 42 39 00-0156	EA	42" Wide, Undersink Protective Enclosure (IPS Truebro Basin Guard)	215.49	14.00
22 42 39 00-0157	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Angle Stop (SharkBite 23036)	30.87	9.80
22 42 39 00-0158	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Straight Stop (SharkBite 23037)	30.87	9.80
22 42 39 00-0159	EA	1/2" NPT x 3/8" Compression Chrome, Quarter Turn Dual Angle Stop (SharkBite 25558)	41.15	9.80
22 42 39 00-0160	PR	16" Long, 3/8" OD x 1/2" IPS, Stainless Steel Braided Sink Supply Line (Pair)	29.88	10.76
22 42 39 00-0161	EA	12" Long, 3/8" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	18.45	6.33
22 42 39 00-0162	EA	12" Long, 1/2" OD x 7/8" BC, Stainless Steel Braided Toilet Supply Line	18.91	6.33

22 42 39 00-0163 Removal And Reinstallation Of Fixtures And Trim *(22 42 39)*

Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.

22 42 39 00-0164	EA	Removal And Reinstallation Of Faucet	81.07	

22 42 43 Flushometers *(22 42)*

22 42 43 00-0001 Water Closet Flush Valves *(22 42 43)*

22 42 43 00-0002	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-115XL)	224.59	31.83
22 42 43 00-0003	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-113-1.6)	218.08	31.83
22 42 43 00-0004	EA	Exposed Manual Water Closet Flush Valve (Sloan Regal-110 Or 111)	251.25	31.83
22 42 43 00-0005	EA	Back Spud, Concealed Manual Water Closet Flush Valve (Sloan Royal-140)	346.12	31.83
22 42 43 00-0006	EA	Top Spud, Concealed Nanual Water Closet Flush Valve (Sloan Royal-142)	383.52	31.83
22 42 43 00-0007	EA	Exposed Infrared Water Closet Flush Valve (Sloan Royal 115-1.6 ES-S)	690.54	31.83
22 42 43 00-0008	EA	Concealed Infrared Water Closet Flush Valve, Back Spud (Sloan Royal-140 ES-S)	694.81	31.83
22 42 43 00-0009	EA	Concealed Infrared Water Closet Flush Valve, Top Spud (Sloan Royal-153-1.6-ES-S)	732.53	31.83
22 42 43 00-0010	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8113)	681.89	31.83
22 42 43 00-0011	EA	Dual Flush Water Closet Flush Valve (Sloan Uppercut WES-115) Note: "Green". 1.6 Gallons or 1.1 Gallons per flush. Includes instructional placards on proper operation.	307.97	31.83
22 42 43 00-0012	EA	Exposed Battery Powered Water Closet Flush Valve (Sloan G2 Optima Plus 8110)	564.12	31.83
22 42 43 00-0013	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima EBV-89A)	301.16	31.83
22 42 43 00-0014	EA	Side Mount Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40118X)	298.58	31.83
22 42 43 00-0015	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan Optima Smooth EBV-200A)	297.74	28.00
22 42 43 00-0016	EA	Slide Over Handle Battery Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Technical Concepts 40180X)	323.15	28.00
22 42 43 00-0017	EA	1.28 GPF, Exposed Infrared Water Closet Flush Valve (Toto EcoPower TET1LN)	700.30	31.83
22 42 43 00-0018	EA	Exposed Infrared Water Closet Flush Valve (1-1/2" V.B.) 1.28 GPF (Toto EcoPower TET1LN32)	766.04	31.83
22 42 43 00-0019	EA	1.28 GPF, Back Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN31 Or TET3LN31)	974.23	31.83
22 42 43 00-0020	EA	1.28 GPF, Top Spud, Concealed Infrared Water Closet Flush Valve (Toto EcoPower TET2LN32 Or TET3LN32)	974.23	31.83
22 42 43 00-0021	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZEMS6000AV-HET-IS)	635.13	31.83
22 42 43 00-0022	EA	Exposed Infrared Water Closet Flush Valve (Zurn ZTS6200EV)	629.52	31.83
22 42 43 00-0023	EA	Slide Over Handle AC Powered Water Closet/Urinal Automatic Flush Retrofit Converters (Sloan EL-600-A)	312.05	28.00
22 42 43 00-0024	EA	6 Volt DC, 120 Volt AC Hardwired Power Transformer (Sloan EL-451)	98.74	5.34
22 42 43 00-0025	EA	Exposed Solar/Battery Powered Water Closet Flush Valve (Sloan Solis 8111-1.28)	518.90	31.83
22 42 43 00-0026	EA	Exposed Manual Water Closet Flush Valve (Zurn Z6000AV-HET)	240.90	31.83
22 42 43 00-0027	EA	Exposed Battery Powered Water Closet Flush Valve (Zurn ZER6000AV-HET)	650.09	31.83

22 42 43 00-0028 Urinal Flush Valves *(22 42 43)*

22 42 43 00-0029	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 186 XL) Note: 0.5, 1.0 or 1.5 GPF.	197.43	31.83
22 42 43 00-0030	EA	1-1/4" Top Spud, Exposed Manual Urinal Flush Valve (Sloan Regal 180) Note: 1.0, 1.5 or 3.5 GPF.	211.91	31.83
22 42 43 00-0031	EA	Back Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 195) Note: 1.0 or 1.5 GPF.	281.08	31.83
22 42 43 00-0032	EA	Top Spud, Concealed Manual Urinal Flush Valve (Sloan Royal 197) Note: 1.0 or 1.5 GPF.	338.07	31.83
22 42 43 00-0033	EA	Exposed Infrared Urinal Flush Valve (Sloan Royal 186-ES-S) Note: 1.0 or 1.5 GPF.	525.92	31.83
22 42 43 00-0034	EA	Back Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 195-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	703.25	31.83
22 42 43 00-0035	EA	Top Spud, Concealed Infrared Urinal Flush Valve (Sloan Royal 197-WB-ES-S) Note: 0.5, 1.0 or 1.5 GPF.	787.71	31.83
22 42 43 00-0036	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Sloan G2 Opt+8186-1) Note: 1.0 GPF.	517.45	31.83
22 42 43 00-0037	EA	Exposed Infrared Urinal Flush Valve (3/4" V.B.) (Toto EcoPower TEU1LN12) Note: 0.5 GPF.	761.80	31.83
22 42 43 00-0038	EA	Top Spud, Exposed Solar/Battery Powered Urinal Flush Valve (Sloan Solis 8186-0.13) Note: 0.13 GPF.	472.23	31.83
22 42 43 00-0039	EA	3/4" Top Spud, Exposed Manual Urinal Flush Valve (Zurn Z6003AV-ULF) Note: 0.125 GPF.	224.61	31.83
22 42 43 00-0040	EA	Top Spud, Exposed Battery Powered Urinal Flush Valve (Zurn ZTR6203-ULF) Note: 0.125 GPF.	557.25	31.83
22 42 43 00-0041	EA	Exposed Infrared Urinal Flush Valve (Zurn ZEMS6003AV-ULF-IS) Note: 0.125 GPF.	565.21	31.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 42 43 00-0042		**Removal And Reinstallation Of Fixtures And Trim** *(22 42 43)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		
22 42 43 00-0043	EA	Removal And Reinstallation Of Flush Valve	126.68	
22 42 43 00-0044		**Plumbing Control Transformers** *(22 42 43)*		
22 42 43 00-0045	EA	6 Volt DC, 120 Volt AC Plug In Style Power Transformer (Zurn P6000-PC6)	44.70	
22 42 46		**Chemical Toilets** *(22 42)* Note: Includes toilet, urinal, holding tank, and ventilation system. Building to be priced separately.		
22 42 46 00-0001		**Standard Chemical Toilets** *(22 42 46)*		
22 42 46 00-0002		**Small Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0003	EA	Chemical Toilet, Small Tank 7,000 Uses/Year	3,896.69	933.39
		For Extra Urinal, Add	*128.32*	
22 42 46 00-0004		**Medium Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0005	EA	Chemical Toilet, Medium Tank 13,000 Uses/Year	4,629.60	1,111.67
		For Extra Urinal, Add	*151.83*	
22 42 46 00-0006		**Large Tank Chemical Toilets** *(22 42 46 00-0001)*		
22 42 46 00-0007	EA	Chemical Toilet, Large Tank 28,000 Uses/Year	5,627.17	1,261.01
		For Extra Urinal, Add	*209.92*	
22 43		**Healthcare Plumbing Fixtures** *(22 40)*		
22 43 13		**Healthcare Water Closets** *(22 43)*		
22 43 13 00-0001		**Healthcare Water Closets** *(22 43 13)*		
22 43 13 00-0002	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Wall Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Priolo® ADA)	785.43	97.07
22 43 13 00-0003	EA	Flush Valve Type, Siphon Jet, Floor Mounted, Floor Outlet, Handicap Accessible, Elongated Vitreous China Healthcare Water Closet With Bedpan Holding Rim (American Standard Madera™ ADA)	614.57	97.07
22 43 16		**Healthcare Sinks** *(22 43)*		
22 43 16 00-0001		**Healthcare Sinks** *(22 43 16)* Note: Includes trap, drain and supply valves. Excludes faucets and flush valves.		
22 43 16 00-0002	EA	25" x 21", Wall Mounted, Blow Out Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,128.82	62.53
		For Stainless Steel Rim Guards (Three Sides), Add	*103.67*	
22 43 16 00-0003	EA	29" x 20", Floor Mounted, Siphon Jet Flushing Rim, Vitreous China Clinic Service Sink (American Standard)	1,210.56	179.68
		For Stainless Steel Rim Guards (Three Sides), Add	*103.67*	
		For Pedestal Base, Add	*475.30*	
22 43 16 00-0004	EA	28" x 22", Wall Mounted, Vitreous China Surgeon's Scrub Sink (American Standard)	1,083.18	62.53
		For Painted Bracket Supports, Add	*165.72*	
22 43 16 00-0005	EA	20" x 17", Wall Mounted, Vitreous China Intensive Care Unit Sink (American Standard)	946.26	62.53
22 43 39		**Healthcare Faucets** *(22 43)*		
22 43 39 00-0001		**Medical Faucet Spouts** *(22 43 39)*		
22 43 39 00-0002	EA	Deck Mounted, Rigid Gooseneck Medical Lavatory Spout (American Standard 7522)	94.10	14.00
22 43 39 00-0003		**Electronic Proximity Medical Faucets** *(22 43 39)*		
22 43 39 00-0004	EA	DC Or Plug-In AC Powered, Single Inlet, Electronic Proximity Medical Lavatory Faucet (American Standard Selectronic™ ICU)	541.09	68.51
		For Hard Wired AC Powered, Add	*23.61*	
22 43 39 00-0005		**Foot And Knee Faucet Controls** *(22 43 39)*		
22 43 39 00-0006	EA	Single Supply Metering Pedal Valve (Chicago Faucet 628)	330.34	124.51
22 43 39 00-0007	EA	Double Supply Metering Pedal Valve (Chicago Faucet 625)	380.75	124.51
22 43 39 00-0008	EA	Knee Actuated Metering Mixing Valve (Chicago Faucet 745-VOCP)	769.33	124.51
22 43 39 00-0009	EA	Double Knee Actuated Metering Mixing Valve (American Standard 7676)	624.42	124.51
22 43 39 00-0010		**Centerset Medical Faucets** *(22 43 39)*		
22 43 39 00-0011	EA	Rigid Gooseneck Centerset Medical Lavatory Faucet, 8" Centers 6" Wrist Action Handles, Adjustable Centers (T&S B-0865-04)	420.05	68.51
22 43 39 00-0012	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet, 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0866-04)	424.61	68.51
22 43 39 00-0013	EA	Swivel Gooseneck Centerset Medical Lavatory Faucet With Aerator 8" Centers, 6" Wrist Action Handles, Adjustable Centers (T&S B-0867-04)	424.15	68.51
22 43 39 00-0014	EA	Surgical Sink Rigid Gooseneck Faucets, 8" Centers, 6" Wrist Action Handles (T&S B-0322-04)	380.77	68.51

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 43 39 00-0015	EA	Surgical Sink Rigid Gooseneck Faucets With Stream Regulator Outlet, 8" Centers, 6" Wrist Action Handles (T&S B-0323-04)	365.25	68.51

22 43 39 00-0016 Bedpan Washers *(22 43 39)*

22 43 39 00-0017	EA	Self Closing Pedal Valve Bed Pan Washer, With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose (T&S B-0675)	986.48	124.51
22 43 39 00-0018	EA	Pedal Valve Bed Panwasher With Volume Control Valve, Vacuum Breaker, Wall Hook Hose Connection, Extended Spray Polyvinyl Chloride Hose (T&S B-0676)	938.67	124.51
22 43 39 00-0019	EA	Self Closing Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection Polyvinyl Chloride Hose (T&S B-0685)	924.51	124.51
22 43 39 00-0020	EA	Single Pedal Valve Bedpan Washer With Volume Control, Vacuum Breaker, Wall Hook Hose Connection, Polyvinyl Chloride Hose, Extended Spray (T&S B-0686)	910.74	124.51

22 43 43 Healthcare Plumbing Fixture Flushometers *(22 43)*

22 43 43 00-0001 Healthcare Plumbing Fixture Flushometers *(22 43 43)*

22 43 43 00-0002	EA	Exposed Manual Service Sink Flush Valve (Sloan Royal-117)	214.09	31.83
22 43 43 00-0003	EA	Exposed Manual Water Closet Flush Valve With Bedpan Washer (Sloan Slimline BPW)	480.42	31.83

22 43 46 Healthcare Patient Care Units *(22 43)*

22 43 46 00-0001 Patient Care Units *(22 43 46)*

22 43 46 00-0002	EA	47" Swivel Toilet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-1700-AQCT-WB-BWSEV)	12,803.44	186.68
		For SDB Single Temperature Dialysis Box, Add	*923.69*	
		For DDB Dual Temperature Dialysis Box, Add	*981.06*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*748.15*	
		For LOCK Flush Valve Lockout Device, Add	*520.65*	
22 43 46 00-0003	EA	31" Swing Front Cabinet Modular Sink And Water Closet Patient Care Unit (Willoughby WH-2600-SST-DC-AQCT-WB)	10,102.54	163.35
		For SDB Single Temperature Dialysis Box, Add	*923.69*	
		For DDB Dual Temperature Dialysis Box, Add	*981.06*	
		For BWSEV Bedpan Washer With Elevated Valve, Add	*748.15*	
		For LOCK Flush Valve Lockout Device, Add	*520.65*	

22 43 46 00-0004 Patient Care Plumbing Accessories *(22 43 46)*

22 43 46 00-0005	EA	One Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7920)	1,215.93	25.34
22 43 46 00-0006	EA	Two Valve Supply Recessed Stainless Steel Dialysis Box With Locking Door (Bradley 7919)	1,338.42	25.34

22 45 Emergency Plumbing Fixtures *(22 40)*

22 45 13 Emergency Showers *(22 45)*

22 45 13 00-0001 Emergency Drench Showers *(22 45 13)*

22 45 13 00-0002 Emergency Drench Showers (Haws) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0003	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122)	603.42	163.35
22 45 13 00-0004	EA	Horizontal Or Vertical Mounted, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8123)	689.30	163.35
22 45 13 00-0005	EA	Horizontal Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8122HWC)	737.01	163.35
22 45 13 00-0006	EA	Horizontal Or Vertical Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8130)	880.15	163.35
22 45 13 00-0007	EA	Horizontal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8133H)	1,175.96	163.35
22 45 13 00-0008	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead (Haws 8100)	936.35	186.68
22 45 13 00-0009	EA	Wall Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Stainless Steel Push Flag (Haws 8111FP)	1,025.96	210.02
22 45 13 00-0010	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8169)	935.31	210.02
22 45 13 00-0011	EA	Concealed Ceiling Supply, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead (Haws 8163)	954.39	210.02
22 45 13 00-0012	EA	Flush To Ceiling, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Pull Down Lever Ball Valve Mounted In A Recessed Stainless Steel Cabinet (Haws 8164)	1,312.23	210.02

22 45 13 00-0013 Emergency Drench Showers (Speakman) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0014	EA	Vertical Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-220)	523.25	163.35
22 45 13 00-0015	EA	Horizontal Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-227)	537.93	163.35
22 45 13 00-0016	EA	Floor Mounted, Lifesaver® Emergency Drench Shower With Plastic Showerhead (Speakman SE-253)	830.90	186.68

22 45 13 00-0017 Emergency Drench Showers (WaterSaver) *(22 45 13 00-0001)*

Note: Includes one pull rod.

22 45 13 00-0018	EA	Emergency Shower, Vertically Mounted (WaterSaver ES635)	682.68	163.35
22 45 13 00-0019	EA	Emergency Shower, Horizontally Mounted (WaterSaver ES643)	698.25	163.35
22 45 13 00-0020	EA	All-Stainless Steel, Emergency Shower, Horizontally Mounted (WaterSaver ES691)	1,460.62	163.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 13 00-0021	EA	Emergency Shower, Recess Mounted (WaterSaver ES629)	1,074.57	210.02
22 45 13 00-0022	EA	Emergency Shower, Semi-Concealed (WaterSaver ES658)	1,426.80	210.02

22 45 16 Eyewash Equipment *(22 45)*

22 45 16 00-0001 Emergency Eyewash Equipment *(22 45 16)*

22 45 16 00-0002 Emergency Eyewash Equipment (Haws) *(22 45 16 00-0001)*

22 45 16 00-0003	EA	Faucet Mounted, Stainless Steel Emergency Eyewash (Haws Axion® eyePOD® 7620)	257.44	4.67
22 45 16 00-0004	EA	Wall Mounted, Freeze Protected, Emergency Eye Wash With Soft-Flo Heads And Stainless Steel Bowl (Haws 7433FP)	1,235.90	210.02

22 45 16 00-0005 Emergency Eyewash Equipment (WaterSaver) *(22 45 16 00-0001)*

22 45 16 00-0006	EA	Auto Flow, Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805)	654.29	46.67
22 45 16 00-0007	EA	Auto Flow, Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW805LH)	654.29	46.67
22 45 16 00-0008	EA	Right Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806)	666.08	46.67
22 45 16 00-0009	EA	Left Hand Mounting, Emergency Eye Wash, Deck Mounted (WaterSaver EW806LH)	666.08	46.67
22 45 16 00-0010	EA	Stainless Steel Bowl, Emergency Eye Wash, Deck Mounted (WaterSaver EW822)	882.62	46.67
22 45 16 00-0011	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Wall Mounted (WaterSaver EW848)	1,004.61	46.67
22 45 16 00-0012	EA	Swing-Down, Auto Flow, Emergency Eye Wash, Deck Mounted (WaterSaver EW849)	1,004.61	46.67
22 45 16 00-0013	EA	Right Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893)	1,855.42	46.67
22 45 16 00-0014	EA	Left Hand Mounting, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW893LH)	1,855.42	46.67
22 45 16 00-0015	EA	Right Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895)	1,941.26	46.67
22 45 16 00-0016	EA	Left Hand Mounting, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW895LH)	1,941.26	46.67
22 45 16 00-0017	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Wall Mounted (WaterSaver EW898)	2,392.95	46.67
22 45 16 00-0018	EA	Swing-Down, Auto Flow, All-Stainless Steel, Emergency Eye Wash, Deck Mounted (WaterSaver EW899)	2,392.95	46.67
22 45 16 00-0019	EA	Ball Valve With Flag Handle, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW808)	1,216.75	163.35
22 45 16 00-0020	EA	Push-Down Valve, Emergency Eye Wash, Recess Deck Mounted (WaterSaver EW810)	1,200.10	163.35
22 45 16 00-0021	EA	Stainless Steel Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814)	871.94	163.35
22 45 16 00-0022	EA	Stainless Steel Bowl And Cover, Emergency Eye Wash, Wall Mounted (WaterSaver EW814BC)	1,218.01	163.35
22 45 16 00-0023	EA	Plastic Bowl, Emergency Eye Wash, Wall Mounted (WaterSaver EW814P)	748.39	163.35

22 45 23 Personal Eyewash Equipment *(22 45)*

22 45 23 00-0001 Portable Eyewash Equipment *(22 45 23)*

22 45 23 00-0002 Portable Eyewash Equipment (Bradley) *(22 45 23 00-0001)*

22 45 23 00-0003	EA	Portable (Wall Mounted) Heated Gravity-Fed Emergency Eye/Face Wash (Bradley S19-921H)	1,460.69	14.00

22 45 26 Eye/Face Wash Equipment *(22 45)*

22 45 26 00-0001 Emergency Eye/Face Wash Equipment *(22 45 26)*

22 45 26 00-0002 Emergency Eye/Face Wash Equipment (Haws) *(22 45 26 00-0001)*

22 45 26 00-0003	EA	Unmounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7460) Note: Excludes p-trap and tailpiece.	648.44	116.68
22 45 26 00-0004	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly Without Receptor (Haws 7324)	655.90	163.35
22 45 26 00-0005	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260B-7270B) Note: Excludes p-trap and tailpiece.	641.59	163.35
22 45 26 00-0006	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7260BT-7270BT) Note: Excludes p-trap and tailpiece.	697.89	163.35
22 45 26 00-0007	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360B-7460B) Note: Excludes p-trap and tailpiece.	703.61	163.35
22 45 26 00-0008	EA	Wall Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BT-7460BT) Note: Excludes p-trap and tailpiece.	771.37	163.35
22 45 26 00-0009	EA	Wall Mounted, Barrier-Free, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7360BTWC)	1,042.37	163.35
22 45 26 00-0010	EA	Wall Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl And Dust Cover (Haws 7778B)	1,948.90	163.35
22 45 26 00-0011	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 7261-7271)	802.76	186.68
22 45 26 00-0012	EA	Pedestal Mounted, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7361-7461)	912.50	186.68
22 45 26 00-0013	EA	Pedestal Mounted, All Stainless Steel, Corrosion Resistant, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 7777)	2,019.41	186.68
22 45 26 00-0014	EA	Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7611)	537.06	46.67
22 45 26 00-0015	EA	Right Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612)	517.98	46.67
22 45 26 00-0016	EA	Left Side Sink Mounted, Swing-Away, Emergency Eye/Face Wash With Stainless Steel Axion® MSR Wash Head Assembly (Haws 7612LH)	541.83	46.67
22 45 26 00-0017	EA	Wall Or Deck Mounted, Barrier-Free, Swing-Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 7610)	680.20	46.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 26 00-0018	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCC)	1,669.03	233.35
22 45 26 00-0019	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet (Haws 7655WCSM)	2,009.87	186.68
22 45 26 00-0020	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCC)	2,069.81	233.35
22 45 26 00-0021	EA	Surface Wall Mounted, Wheelchair Accessible, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Cabinet And Drain Pan (Haws 7656WCSM)	2,420.19	186.68

22 45 26 00-0022 Emergency Eye/Face Wash Equipment (Speakman) *(22 45 26 00-0001)*

22 45 26 00-0023	EA	Wall Mounted, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-495)	584.42	163.35
22 45 26 00-0024	EA	Floor Mounted, DuraJade™ Finish, Lifesaver® Emergency Eye/Face Wash And Plastic Bowl (Speakman SE-496)	713.45	186.68

22 45 26 00-0025 Emergency Eye/Face Wash Equipment (WaterSaver) *(22 45 26 00-0001)*

22 45 26 00-0026	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl, Wall Mounted (WaterSaver FE724)	1,089.11	163.35
22 45 26 00-0027	EA	Wide Area, Emergency Eye/Face Wash With Stainless Steel Bowl And Cover, Wall Mounted (WaterSaver FE724BC)	1,435.18	163.35
22 45 26 00-0028	EA	Wide Area, Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE727)	1,391.18	163.35
22 45 26 00-0029	EA	Push-Down Valve, Emergency Eye/Face Wash, Recess Deck Mounted (WaterSaver FE765)	1,286.20	163.35
22 45 26 00-0030	EA	Auto Flow, Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774)	688.63	46.67
22 45 26 00-0031	EA	Auto Flow, Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE774LH)	688.63	46.67
22 45 26 00-0032	EA	Right Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775)	668.15	46.67
22 45 26 00-0033	EA	Left Hand Mounting, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE775LH)	668.15	46.67
22 45 26 00-0034	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Wall Mounted (WaterSaver FE778)	1,020.00	46.67
22 45 26 00-0035	EA	Swing-Down, Auto Flow, Emergency Eye/Face Wash, Deck Mounted (WaterSaver FE779)	1,020.00	46.67

22 45 26 00-0036 Emergency Eye/Face Wash Equipment (Guardian) *(22 45 26 00-0001)*

Note: Includes one pull rod.

22 45 26 00-0037	EA	All-Stainless Steel Handicapped Accessible Safety Station With WideArea™ Eye/Face Wash (Guardian GBF1994)	3,634.29	163.35

22 45 29 Hand-Held Emergency Drench Hoses *(22 45)*

22 45 29 00-0001 Hand-Held Emergency Eye/Face/Body Wash With Hose *(22 45 29)*

22 45 29 00-0002 Hand-Held Emergency Eye/Face/Body Wash With Hose (Haws) *(22 45 29 00-0001)*

22 45 29 00-0003	EA	Counter Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 8' Hose (Haws 8904)	574.72	58.34
22 45 29 00-0004	EA	Wall Mounted, Hand-Held Emergency Eye/Face/Body Wash With Axion® MSR Wash Head Assembly And 12' Recoil Hose (Haws 8905)	660.60	58.34

22 45 29 00-0005 Hand-Held Emergency Eye/Face/Body Wash With Hose (WaterSaver) *(22 45 29 00-0001)*

22 45 29 00-0006	EA	Emergency Drench Hose Unit, Deck Mounted (WaterSaver EW1020)	529.39	58.34
22 45 29 00-0007	EA	Emergency Drench Hose Unit, Wall Mounted (WaterSaver EW1025)	488.29	58.34
22 45 29 00-0008	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1014)	730.11	58.34
22 45 29 00-0009	EA	Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1022)	684.37	58.34
22 45 29 00-0010	EA	Emergency Eye Wash Drench Hose Unit, Wall Mounted (WaterSaver EW1026)	700.75	58.34
22 45 29 00-0011	EA	Ball Valve With Flag Handle, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028)	916.39	58.34
22 45 29 00-0012	EA	Ball Valve With Flag Handle And Vacuum Breaker, Emergency Eye Wash Drench Hose Unit, Deck Mounted (WaterSaver EW1028VB)	1,059.81	58.34
22 45 29 00-0013	EA	Emergency Eye Wash Drench Hose Unit, 45 Degree Panel Mounted (WaterSaver EW1041)	1,011.18	58.34

22 45 33 Combination Emergency Fixture Units *(22 45)*

22 45 33 00-0001 Emergency Shower With Eye/Face Wash *(22 45 33)*

22 45 33 00-0002 Emergency Shower With Eye/Face Wash (Haws) *(22 45 33 00-0001)*

22 45 33 00-0003	EA	Floor Mounted, All Stainless Steel, Corrosion Resistant, Emergency Drench Shower With Axion® MSR Stainless Steel Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8330)	3,397.85	303.36
22 45 33 00-0004	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300FP) Note: Includes freeze protection bury valve.	2,310.02	303.36
22 45 33 00-0005	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300-8309)	1,618.19	303.36
22 45 33 00-0006	EA	Floor Mounted, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eyewash With Soft-Flo Heads And Stainless Steel Bowl (Haws 8300.158)	2,558.12	303.36
22 45 33 00-0007	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8300CRP-8309CRP)	1,885.38	303.36
22 45 33 00-0008	EA	Floor Mounted, Barrier-Free, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Stainless Steel Bowl (Haws 8309WC)	1,775.64	303.36
22 45 33 00-0009	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317)	1,522.77	303.36
22 45 33 00-0010	EA	Floor Mounted, Corrosion Resistant, PVC Plastic, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8336)	2,472.24	303.36

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 33 00-0011	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCC)	2,706.03	303.36
22 45 33 00-0012	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8355WCW)	2,758.51	303.36
22 45 33 00-0013	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Ceiling Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCC)	3,078.18	303.36
22 45 33 00-0014	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan, Daylight Drain And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCDD)	3,264.26	303.36
22 45 33 00-0015	EA	Recessed Wall Mounted, Barrier-Free, Pull Down, Emergency Eye/Face Wash With Axion® MSR Wash Head Assembly With Stainless Steel Cabinet And Drain Pan And Wall Mounted Axion® MSR Stainless Steel Showerhead (Haws 8356WCW)	3,211.78	303.36
22 45 33 00-0016	EA	Floor Mounted, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP)	4,786.27	303.36
22 45 33 00-0017	EA	Floor Mounted, 220 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFP.220V)	5,043.92	303.36
22 45 33 00-0018	EA	Floor Mounted, C1D1 Rated, 120 Volt AC Cable Heated, Freeze Protected, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly (Haws 8317CTFPC1D1)	10,626.22	303.36
22 45 33 00-0019	EA	Floor Mounted, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320-8325)	1,522.77	303.36
22 45 33 00-0020	EA	Floor Mounted, Corrosion Resistant, Emergency Drench Shower With Axion® MSR ABS Plastic Showerhead And Eye/Face Wash With Axion® MSR Wash Head Assembly And Plastic Bowl (Haws 8320CRP)	1,718.39	303.36

22 45 33 00-0021 Emergency Shower With Eye/Face Wash (Speakman) *(22 45 33 00-0001)*

22 45 33 00-0022	EA	Floor Mounted, Emergency Drench Shower With Plastic Showerhead And Eye/Face Wash With Plastic Bowl (Speakman SE-690)	1,358.68	303.36

22 45 33 00-0023 Emergency Shower With Eye/Face Wash (WaterSaver) *(22 45 33 00-0001)*

22 45 33 00-0024	EA	All-Stainless Steel, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS994)	4,792.47	253.37
22 45 33 00-0025	EA	Polished Chrome Construction, Wide Area, Emergency Shower With Eye/Face Wash Station, Floor Mounted (WaterSaver SS909PCC)	4,896.76	253.37
22 45 33 00-0026	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl, Floor Mounted (WaterSaver SS902)	1,957.46	253.37
22 45 33 00-0027	EA	Emergency Shower With Eye Wash Station And Plastic Bowl, Floor Mounted (WaterSaver SS902P)	1,795.20	253.37
22 45 33 00-0028	EA	Emergency Shower With Eye Wash Station And Stainless Steel Bowl And Cover, Floor Mounted (WaterSaver SS902BC)	2,303.52	253.37

22 45 36 Emergency Fixture Water-Tempering Equipment *(22 45)*

22 45 36 00-0001 Emergency Fixture Water-Tempering Equipment *(22 45 36)*

22 45 36 00-0002 Emergency Fixture Water-Tempering Equipment (Haws) *(22 45 36 00-0001)*

22 45 36 00-0003	EA	10 GPM, 1/2" Inlet, 1/2" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EW)	608.11	58.34
22 45 36 00-0004	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201EFE)	889.61	58.34
22 45 36 00-0005	EA	31 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9201E)	1,304.71	58.34
22 45 36 00-0006	EA	78 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Brass Thermostatic Mixing/Tempering Valve (Haws 9202E)	1,538.50	58.34
22 45 36 00-0007	EA	31 GPM, 1" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws 9201H)	2,177.84	58.34
22 45 36 00-0008	EA	12 GPM, 1/2" Inlet, 3/4" Outlet, Secondary High Temperature Limit Valve, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.EWE)	2,297.12	58.34
22 45 36 00-0009	EA	74 GPM, 1-1/4" Inlet, 1-1/4" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.SHE)	3,857.30	58.34
22 45 36 00-0010	EA	78 GPM, 2" Inlet, 2" Outlet, Secondary High Temperature Limit Valve, Lead Free, Brass Thermostatic Mixing/Tempering Valve (Haws TWBS.HF)	4,635.01	58.34
22 45 36 00-0011	EA	1/2" Inlet, 1/2" Outlet, Brass Scald Protection Bleed Valve (Haws SP157B)	679.68	58.34

22 45 39 Emergency Plumbing Fixture Accessories *(22 45)*

22 45 39 00-0001 Emergency Plumbing Fixture Accessories *(22 45 39)*

22 45 39 00-0002 Emergency Plumbing Fixture Accessories (Haws) *(22 45 39 00-0001)*

22 45 39 00-0003	EA	Pedestal Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220)	156.61	18.67
22 45 39 00-0004	EA	Wall Mounted, Powder Coated Aluminum Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220W)	218.64	18.67
22 45 39 00-0005	EA	Pedestal Mounted, Stainless Steel Foot Control Assembly For Hands Free Activation Of Emergency Plumbing Fixtures (Haws SP220SS)	228.18	18.67
22 45 39 00-0006	EA	Axion® MSR Stainless Steel Showerhead For Emergency Drench Showers (Haws SP829SS)	252.56	7.00
22 45 39 00-0007	EA	Stainless Steel Dust Cover For Emergency Eye/Face Wash Bowls (Haws 9102)	257.44	4.67
22 45 39 00-0008	EA	3-Sided ABS Plastic Safety Sign For Emergency Combination Shower And Eyewash Units (Haws 9020)	281.09	9.34
22 45 39 00-0009	EA	Emergency Body Spray Kit With 8' Hose And ABS Plastic Head For Emergency Plumbing Fixtures (Haws 8901RFK)	497.85	70.01
22 45 39 00-0010	EA	Class 1, Div. 1, Group B, C And D, Indicator Light For Emergency Plumbing Fixtures (Haws 8317IDLTEXP)	512.61	32.06
22 45 39 00-0011	EA	Vapor Tight And Gasketed, Green Area Light For Emergency Plumbing Fixtures (Haws 8317LT)	760.72	32.06
22 45 39 00-0012	EA	Privacy Curtain For Horizontal Emergency Drench Shower Or Combination Emergency Drench Shower And Eyewash Units (Haws 9037)	889.61	70.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 45 39 00-0013	EA	Class 1, Div. 1, Group B, C And D, White Area Light For Emergency Plumbing Fixtures (Haws 8317LTEXP)	1,691.10	32.06
22 45 39 00-0014	EA	1/2" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001.5)	1,883.64	106.86
22 45 39 00-0015	EA	1-1/4" Supply, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001)	1,921.81	106.86
22 45 39 00-0016	EA	1-1/4" Supply, Class 1, Division 2, Groups B, C, And D Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXP)	3,553.56	106.86
22 45 39 00-0017	EA	1-1/4" Supply, 90 db, Class 1, Division 1, Groups C And D, Emergency Alarm And Light System For Emergency Plumbing Fixtures (Haws 9001EXPC1D1)	6,750.26	106.86

22 45 39 00-0018 Emergency Plumbing Fixture Accessories (Speakman) *(22 45 39 00-0001)*

22 45 39 00-0019	EA	Privacy Curtain For Emergency Showers Note: Curtain includes stainless steel curtain rod and mounting accessories.	881.71	70.01

22 45 39 00-0020 Emergency Plumbing Fixture Accessories (WaterSaver) *(22 45 39 00-0001)*

22 45 39 00-0021	EA	Hand And Foot Control For Emergency Eyewash Equipment (WaterSaver HFC)	140.23	15.20

22 46 Security Plumbing Fixtures *(22 40)*

22 46 13 Security Water Closets and Urinals *(22 46)*

22 46 13 13 Security Water Closets *(22 46 13)*

22 46 13 13-0001 Security Water Closets *(22 46 13 13)*

22 46 13 13-0002	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Wall Hung, Wall Outlet, Cast Aluminum (Acorn 1675)	3,201.19	233.35
		For Angled Toilet, Add	*23.33*	
		For Offset Toilet, Add	*296.78*	
22 46 13 13-0003	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Wall Outlet, Cast Aluminum (Acorn 1684)	3,905.56	233.35
		For Angled Toilet, Add	*23.33*	
		For Offset Toilet, Add	*367.22*	
22 46 13 13-0004	EA	Security Water Closet, Integral Seat, Back Supply And Flush Valve, Floor Mount, Floor Outlet, Cast Aluminum (Acorn 1695)	3,967.27	233.35
		For Angled Toilet, Add	*23.33*	
		For Offset Toilet, Add	*373.39*	
22 46 13 13-0005	EA	Recessed Tissue Holder For Security Water Closet, Stainless Steel (Acorn 1840)	346.47	46.67

22 46 13 16 Security Urinals *(22 46 13)*

22 46 13 16-0001 Security Urinals *(22 46 13 16)*

22 46 13 16-0002	EA	Security Urinal, Back Supply And Flush, Wall Hung, Stainless Steel (Acorn 1700)	3,831.23	210.02
22 46 13 16-0003	EA	Security Urinal, Back Supply And Flush, Stall, Stainless Steel (Acorn 1720)	6,540.34	298.41

22 46 13 19 Security Combination Toilet and Lavatory *(22 46 13)*

22 46 13 19-0001 Security Combination Toilet - Lavatory *(22 46 13 19)*

22 46 13 19-0002	EA	15" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1415)	5,894.48	289.35
		For Angled Toilet, Add	*28.94*	
		For Offset Toilet, Add	*560.51*	
		For 15" Mirror/Shelf Module, Add	*839.35*	
		For AC Duplex Outlet Option, Add	*87.87*	
		For Intercom Option, Add	*132.87*	
		For 15" Wide Light/Ventilation Module, Add	*808.61*	
22 46 13 19-0003	EA	18" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1418)	6,069.31	303.36
		For Angled Toilet, Add	*30.34*	
		For Offset Toilet, Add	*576.60*	
		For 18" Mirror/Shelf Module, Add	*878.35*	
		For AC Duplex Outlet Option, Add	*90.67*	
		For Intercom Option, Add	*135.67*	
		For 18" Wide Light/Ventilation Module, Add	*832.01*	
22 46 13 19-0004	EA	20" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1420)	6,199.47	317.35
		For Angled Toilet, Add	*31.74*	
		For Offset Toilet, Add	*588.21*	
		For 20" Mirror/Shelf Module, Add	*927.36*	
		For AC Duplex Outlet Option, Add	*93.47*	
		For Intercom Option, Add	*138.47*	
		For 20" Wide Light/Ventilation Module, Add	*865.41*	
22 46 13 19-0005	EA	26" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Wall Mounted, Stainless Steel (Acorn 1426)	6,640.30	331.35
		For Angled Toilet, Add	*33.14*	
		For Offset Toilet, Add	*630.89*	
		For 26" Mirror/Shelf Module, Add	*966.36*	
		For AC Duplex Outlet Option, Add	*96.27*	
		For Intercom Option, Add	*141.27*	
		For 26" Wide Light/Ventilation Module, Add	*893.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 46 13 19-0006	EA	28" Wide Combination Security Water Closet And Lavatory Unit, Soap And Paper Holders, Seat, Floor Mounted, Stainless Steel (Acorn 1428)	10,832.82	345.36
		For Angled Toilet, Add	*34.54*	
		For Offset Toilet, Add	*1,048.75*	
		For 28" Mirror/Shelf Module, Add	*1,000.36*	
		For AC Duplex Outlet Option, Add	*99.07*	
		For Intercom Option, Add	*144.07*	
		For 28" Wide Light/Ventilation Module, Add	*922.21*	

22 46 16 Security Lavatories and Sinks *(22 46)*

22 46 16 13 Security Lavatories *(22 46 16)*

22 46 16 13-0001 Security Lavatories *(22 46 16 13)*

22 46 16 13-0002	EA	20" Security Lavatory, Wall Hung, Push Button Filler Valve, Rectangular Bowl, Stainless Steel (Acorn 1650)	2,310.57	163.35
		For Shelf, Add	*84.00*	
22 46 16 13-0003	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Stainless Steel (Acorn 1655)	2,351.42	163.35
		For Shelf, Add	*84.00*	
22 46 16 13-0004	EA	13" Security Lavatory, Wall Hung, Push Button Filler Valve, Oval Bowl, Corner Mount, Stainless Steel (Acorn 1660)	2,696.45	163.35
		For Shelf, Add	*84.00*	
22 46 16 13-0005	EA	18" Security Lavatory, Wall Hung, Push Button Filler Valve, Multi Sided Bowl, Stainless Steel (Acorn 1656)	2,351.42	163.35
		For Shelf, Add	*84.00*	

22 46 16 16 Security Sinks *(22 46 16)*

22 46 16 16-0001 Security Sinks *(22 46 16 16)*

22 46 16 16-0002	EA	22" x 16" x 10" Security Service Sink, With Soap Dish, Stainless Steel (Acorn 1642)	5,041.84	248.75

22 46 16 16-0003 Security Mop Sink *(22 46 16 16)*

22 46 16 16-0004	EA	24" x 24" x 10" Stainless Steel Mop Sink With Strainer (ACORN 1630)	2,687.01	140.01

22 46 19 Security Showers *(22 46)*

22 46 19 00-0001 Security Showers *(22 46 19)*

22 46 19 00-0002	EA	30" Security Shower, Stainless Steel, Knock-Down (Acorn 1730-3M-KD)	13,342.21	373.35
22 46 19 00-0003	EA	32" Security Shower, Stainless Steel, Knock-Down (Acorn 1732-3M-KD)	13,835.91	373.35
22 46 19 00-0004	EA	36" Security Shower, Stainless Steel, Knock-Down (Acorn 1736-3M-KD)	14,344.01	373.35
22 46 19 00-0005	EA	36" ADA Security Shower, Stainless Steel, Front Access (Acorn 1736-ADA-3M-FA)	18,322.40	373.35
22 46 19 00-0006	EA	Security Shower Package For Built-in, Hot And Cold Faucets, Mixing Valve, Rectangular Soap Dish, Stainless Steel (Acorn 1741)	788.84	124.61
22 46 19 00-0007	EA	Security Shower Head With Mixing Valves And Piping Assembly In Wall (Acorn 1743)	591.46	65.34

22 46 43 Security Plumbing Fixture Flushometers *(22 46)*

22 46 43 00-0001	EA	Concealed Manual Water Closet Flush Valve, With Pushbutton Control (Sloan 601 AFD ESM) Note: Anti-flood device (AFD), solenoid operated with module plug 24V (ESM).	514.48	31.83
22 46 43 00-0002	EA	Concealed Manual Urinal Flush Valve, 1-1/2" Backinlet, With Pushbutton Control (Sloan 609 ESM) Note: Solenoid operated with module plug 24V (ESM).	513.92	31.83
22 46 43 00-0003	EA	Concealed Manual Urinal Flush Valve, 3/4" Backinlet, With Pushbutton Control (Sloan 613 ESM) Note: Solenoid operated with module plug 24V (ESM).	497.34	31.83

22 46 56 Security Drinking Fountains *(22 46)*

22 46 56 00-0001 Security Drinking Fountain *(22 46 56)*

Note: Includes air control valve, bubbler with mouthguard and mounting bracket.

22 46 56 00-0002	EA	Wall Mounted Security Drinking Fountain, Stainless Steel (Acorn 1670-1-BP-3-FA)	2,610.16	186.68
22 46 56 00-0003	EA	Wall Mounted Security ADA Drinking Fountain, Stainless Steel (Acorn 1672-1-ADA-BP-3-FA)	2,629.86	186.68

22 47 Drinking Fountains and Water Coolers *(22 40)*

22 47 13 Drinking Fountains *(22 47)*

22 47 13 00-0001 Indoor Drinking Fountains *(22 47 13)*

22 47 13 00-0002 Face Mounted Indoor Drinking Fountain *(22 47 13 00-0001)*

22 47 13 00-0003	EA	Stainless Steel, Standard Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-S)	1,500.00	151.68
22 47 13 00-0004	EA	Stainless Steel, Standard Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-SBP)	2,172.70	163.35
22 47 13 00-0005	EA	Stainless Steel, Extended Length, Semi-Circular Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-E)	1,966.78	151.68
22 47 13 00-0006	EA	Stainless Steel, Extended Length, Semi-Circular With Back Panel Indoor Drinking Fountain With Bubbler, 180 Degree Push Bar (Halsey-Taylor OVL-II-EBP)	2,340.80	163.35
22 47 13 00-0007	EA	Stainless Steel, Standard Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFS)	1,015.59	151.68
22 47 13 00-0008	EA	Stainless Steel, Standard Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners With Back Panel (Halsey-Taylor HRFSBP)	1,210.67	163.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 13 00-0009	EA	Stainless Steel, Extended Length, Rectangle Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFE)	1,144.72	151.68
22 47 13 00-0010	EA	Stainless Steel, Extended Length, Rectangle With Back Panel Indoor/Outdoor Drinking Fountain With Bubbler, Rounded Corners (Halsey-Taylor HRFEBP)	1,385.23	163.35
22 47 13 00-0011		**Wall Mounted Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0012	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor 5701)	1,047.01	163.35
22 47 13 00-0013	EA	Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8WF)	1,473.26	163.35
22 47 13 00-0014	EA	Bi-Level, Stainless Steel Wall-Mounted Rectangle Indoor Drinking Fountain/Bottle Filling Station With Bubbler, Backsplash, Front And Side Push Bars (Halsey-Taylor HTHB-HAC8BLWF)	2,013.39	163.35
22 47 13 00-0015		**Semi-Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0016	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler (Halsey-Taylor 5801)	1,397.18	175.01
22 47 13 00-0017	EA	Stainless Steel Semi-Recessed Indoor Drinking Fountain With Bubbler And Cuspidor (Halsey-Taylor 5801C)	2,955.78	175.01
22 47 13 00-0018		**Fully Recessed Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0019	EA	Stainless Steel Fully-Recessed, With Bubbler, Indoor Drinking Fountain (Halsey-Taylor 8880, Haws 2400)	1,494.35	186.68
22 47 13 00-0020	EA	Stainless Steel Fully-Recessed, With Bubbler And Cuspidor, Indoor Drinking Fountain (Halsey-Taylor 8800 With 10245, Haws 2403)	2,690.09	186.68
22 47 13 00-0021		**Countertop Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0022	EA	Stainless Steel Countertop Circular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 10000)	628.63	116.68
22 47 13 00-0023	EA	Stainless Steel Countertop Rectangular Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6000)	606.12	116.68
22 47 13 00-0024	EA	Stainless Steel Countertop Oval Indoor Drinking Fountain Basin With Pushbutton Bubbler (Halsey-Taylor 6028)	729.47	116.68
22 47 13 00-0025		**Bowl And Bracket Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0026	EA	Stainless Steel, Bowl And Bracket With Pushbutton Bubbler, Indoor Drinking Fountain (Halsey-Taylor 2501A)	534.99	116.68
22 47 13 00-0027	EA	Stainless Steel, Bowl And Bracket, Self Closing Lever Handle Stop, Indoor Drinking Fountain (Halsey-Taylor 4540)	639.55	116.68
22 47 13 00-0028		**Multi-Station Indoor Drinking Fountain** *(22 47 13 00-0001)*		
22 47 13 00-0029	EA	Two Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7020)	2,793.64	186.68
22 47 13 00-0030	EA	Three Station, Stainless Steel, Indoor Drinking Fountains With Bubbler And Built In Backsplash, With Bottom Cover Plate (Halsey-Taylor 7030)	3,503.12	186.68
22 47 13 00-0031	EA	Two Station, Marblyte, Face-Mounted Indoor Drinking Fountain With Bubblers (Halsey-Taylor 7120)	2,666.59	186.68
22 47 13 00-0032	EA	Two Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1430)	2,255.20	186.68
22 47 13 00-0033	EA	Three Station, White Enameled Iron Indoor Drinking Fountains With Bubblers (Haws 1435)	2,829.65	186.68
22 47 13 00-0034	EA	Bi-Level, Stainless Steel, Indoor Drinking Fountain With Bubblers And Back Panel (Halsey-Taylor HRFSEBP, Haws 1119.14 With 6700.4)	2,481.39	238.13
22 47 13 00-0035	EA	Two Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1441)	3,547.34	186.68
22 47 13 00-0036	EA	Three Station, Cast Aluminum Indoor Drinking Fountains With Bubblers (Haws 1408)	3,486.18	186.68
22 47 13 00-0037		**Outdoor Drinking Fountains** *(22 47 13)*		
22 47 13 00-0038		**Face Mounted Outdoor Drinking Fountains** *(22 47 13 00-0037)*		
22 47 13 00-0039	EA	Stainless Steel Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFE-FR)	1,309.63	186.68
22 47 13 00-0040	EA	Stainless Steel Freeze Resistant Face Mounted, With Back Panel, Outdoor Drinking Fountain With Bubbler (Halsey-Taylor HRFEBP-FR)	1,431.89	186.68
22 47 13 00-0041	EA	Stone Aggregate Weather Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592)	1,378.80	186.68
22 47 13 00-0042	EA	Stone Aggregate Freeze Resistant Face Mounted Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4592-FR)	2,004.60	186.68
22 47 13 00-0043		**Free Standing Outdoor Drinking Fountains** *(22 47 13 00-0037)*		
22 47 13 00-0044	EA	Steel Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715)	2,449.39	175.01
22 47 13 00-0045	EA	Steel Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4715-FR)	3,425.09	175.01
22 47 13 00-0046	EA	Steel Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710)	2,446.15	175.01
22 47 13 00-0047	EA	Steel Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4710-FR)	3,362.77	175.01
22 47 13 00-0048	EA	Steel Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720)	3,624.58	186.68
22 47 13 00-0049	EA	Steel Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4720-FR)	3,689.73	186.68
22 47 13 00-0050	EA	Stone Aggregate Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4591)	1,394.07	175.01
22 47 13 00-0051	EA	Stone Aggregate Barrier-Free Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590)	2,378.61	175.01
22 47 13 00-0052	EA	Stone Aggregate Barrier-Free Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4590-FR)	3,354.30	175.01
22 47 13 00-0053	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595)	3,943.91	186.68
22 47 13 00-0054	EA	Stone Aggregate Barrier-Free Bi-level Pedestal Freeze Resistant Outdoor Drinking Fountain With Bubbler (Halsey-Taylor 4595-FR)	5,518.85	186.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16		**Pressure Water Coolers** *(22 47)*		
22 47 16 00-0001		Indoor Water Coolers *(22 47 16)*		
22 47 16 00-0002		Face Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0003	EA	Stainless Steel, Semi-Circular Water Cooler With Bubbler, Face-Mounted, Extended Length, 180 Degree Push Bar, 7.5 GPH (Halsey-Taylor OVL-II ER-Q)	2,806.54	186.68
22 47 16 00-0004	EA	Stainless Steel, Semi-Circular Water Cooler, Electronic Sensor, Face-Mounted, Extended Length, With Bubbler, 7.5 GPH (Halsey-Taylor OVL-II EREE-Q)	2,993.96	186.68
22 47 16 00-0005		Wall Mounted Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0006	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 4 GPH, With Bubbler, (Halsey-Taylor SW4A-Q)	1,354.67	186.68
22 47 16 00-0007	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SW8A-Q)	1,402.93	186.68
22 47 16 00-0008	EA	Stainless Steel Wall-Mounted Compact Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SW14A-Q)	1,554.15	186.68
22 47 16 00-0009	EA	Stainless Steel Wall-Mounted Vandal Resistant Compact Water Cooler With Bubbler, 8 GPH (Halsey-Taylor SW8A-VR-Q-SS)	1,612.07	186.68
22 47 16 00-0010	EA	Stainless Steel Wall-Mounted Vandal Resistant Barrier Free Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8-CHILD ADA)	1,203.45	186.68
22 47 16 00-0011	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor WC8AFS-Q-SS)	1,388.45	186.68
22 47 16 00-0012	EA	Stainless Steel Wall-Mounted Barrier Free Water Cooler With Bubbler, Front And Side Pushbar, 8 GPH (Halsey-Taylor HAC8FS-Q Child SS)	1,099.69	186.68
22 47 16 00-0013	EA	Stainless Steel Wall-Mounted Water Cooler, 8 GPH, With Bubbler, (Halsey-Taylor HAC8VR-BL)	1,636.46	186.68
22 47 16 00-0014	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HAC8FSBL-Q-SS)	1,837.36	280.02
22 47 16 00-0015		Simulated Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0016	EA	Stainless Steel Simulated Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RWM8A-Q)	1,608.71	186.68
22 47 16 00-0017		Fully Recessed Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0018	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler, 8 GPH (Halsey-Taylor RC8A-Q)	3,096.10	210.02
22 47 16 00-0019	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser, 8 GPH (Halsey-Taylor RC8AQ + 14762)	3,773.10	210.02
22 47 16 00-0020	EA	Stainless Steel Fully-Recessed Water Cooler With Bubbler And Cup Dispenser And Glass Filler, 8 GPH (Halsey-Taylor RC8A-Q-14700)	4,409.68	210.02
22 47 16 00-0021		Free Standing Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0022	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 4 GPH, With Bubbler (Halsey-Taylor SCWT4A-Q)	1,302.37	163.35
22 47 16 00-0023	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 8 GPH, With Bubbler (Halsey-Taylor SCWT8A-Q)	1,396.48	163.35
22 47 16 00-0024	EA	Stainless Steel, Free-Standing Indoor Water Cooler, 14 GPH, With Bubbler (Halsey-Taylor SCWT14A-Q)	1,580.68	163.35
22 47 16 00-0025	EA	Stainless Steel, Free-Standing Vandal Resistant Water Cooler With Bubbler, 14 GPH (Halsey-Taylor SCWT14A-VR-Q)	1,755.23	163.35
22 47 16 00-0026		Bottled Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0027	EA	Free-Standing Bottled Water Cooler With Chilled Or Room Temperature Water	458.00	93.34
22 47 16 00-0028	EA	Free-Standing Bottled Water Cooler With Chilled Or Hot Water	544.44	93.34
22 47 16 00-0029		Multi-Station Indoor Water Coolers *(22 47 16 00-0001)*		
22 47 16 00-0030	EA	Stainless Steel, Wall Mounted, Two Station, Semi-Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II SER-Q)	3,112.27	280.02
22 47 16 00-0031	EA	Stainless Steel, Wall Mounted, Two Station, Electronic Sensor Semi Circular Indoor Water Cooler With Bubblers, 180 Degree Push Bars, 7.5 GPH (Halsey-Taylor OVL-II-SEREE-Q)	4,734.67	280.02
22 47 16 00-0032	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Indoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BL-CHILD ADA-SS)	1,987.77	280.02
22 47 16 00-0033		Outdoor Water Coolers *(22 47 16)*		
22 47 16 00-0034		Wall Mounted Outdoor Water Coolers *(22 47 16 00-0033)*		
22 47 16 00-0035	EA	Stainless Steel, Wall Mounted, Barrier Free, Vandal Resistant, Frost Resistant Outdoor Water Cooler With Bubbler, 8 GPH (Halsey-Taylor HVR8FR-CHILD ADA-SS)	1,390.37	116.68
22 47 16 00-0036	EA	Stainless Steel, Wall Mounted, Barrier Free, Bi-Level, Vandal Resistant Outdoor Water Cooler With Bubblers, 8 GPH (Halsey-Taylor HVR8BLFR-CHILD ADA-SS)	2,376.17	116.68
22 47 16 00-0037		Free Standing Outdoor Water Coolers *(22 47 16 00-0033)*		
22 47 16 00-0038	EA	Stainless Steel Free-Standing Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-Q)	2,290.93	175.01
22 47 16 00-0039	EA	Stainless Steel Free-Standing Frost Resistant Outdoor Water Cooler With Bubbler, 14 GPH (Halsey-Taylor HOF14A-FR-Q)	2,741.38	175.01
22 47 16 00-0040		Removal And Reinstallation Of Fixtures And Trim *(22 47 16)* Note: Includes storage, cleaning and supply materials for reconnecting pipe to fixture.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 47 16 00-0041	EA	Removal And Reinstallation Of Wall Hung Water Cooler	454.31	
22 47 16 00-0042	EA	Removal And Reinstallation Of Floor Mount Water Cooler	101.35	

22 47 19 Water-Station Water Coolers *(22 47)*

22 47 19 00-0001 Bottle Filler *(22 47 19)*

22 47 19 00-0002	EA	Outdoor Tubular Bottle Filling Station, Surface Mount (Elkay LK4410BF)	3,303.42	186.68
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0003	EA	Outdoor Tubular Bottle Filling Station, Surface Mount, Freeze Resistant (Elkay LK4410BFFRK)	4,172.86	186.68
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0004	EA	Tri-level Outdoor Tubular Bottle Filling Station With Single Bottle Filler And Two Drinking Fountain Basins, Surface Mount (Elkay LK4430BF1)	5,352.22	210.02
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0005	EA	Tri-level Outdoor Tubular Bottle Filling Station With Two Bottle Fillers And Single Drinking Fountain Basin, Surface Mount (Elkay LK4430BF2)	5,780.73	210.02
		For Stainless Steel Carrier, Add	*205.00*	
22 47 19 00-0006	EA	Tri-level Outdoor Tubular Bottle Filling Station With Three Bottle Fillers, Surface Mount (Elkay LK4430BF3)	6,209.23	210.02
		For Stainless Steel Carrier, Add	*205.00*	

22 47 23 Remote Water Coolers *(22 47)*

22 47 23 00-0001 Remote Chillers *(22 47 23)*

22 47 23 00-0002	EA	1.5 GPH Remote Chiller (Halsey-Taylor SJ1-Q)	800.06	63.01
22 47 23 00-0003	EA	5 GPH Remote Chiller (Halsey-Taylor SJ5-Q)	1,211.42	70.01
22 47 23 00-0004	EA	8 GPH Remote Chiller (Halsey-Taylor SJ8-Q)	1,044.92	81.67
22 47 23 00-0005	EA	10 GPH Remote Chiller (Halsey-Taylor SJ10-Q)	1,342.55	93.34
22 47 23 00-0006	EA	19 GPH Remote Chiller (Halsey-Taylor SJ19-Q)	2,101.91	140.01
22 47 23 00-0007	EA	30 GPH Remote Chiller (Halsey-Taylor SJ30-Q)	2,278.86	151.68

22 47 26 Fixture Carriers *(22 47)*

22 47 26 00-0001 Water Cooler Carriers *(22 47 26)*

22 47 26 00-0002 Floor Mounted, Water Cooler Carriers *(22 47 26 00-0001)*

Note: Includes adjustable supporting rods, structural uprights and welded feet.

22 47 26 00-0003	EA	Floor Mounted Hanger Plate Type, Single Water Cooler Carrier	400.54	35.47
		For Up To 4" Extension Sleeves And Hardware, Add	*18.77*	
		For Bi-Level Carrier, Add	*218.38*	
22 47 26 00-0004	EA	Floor Mounted Bearing Plate Type, Single Water Cooler Carrier	434.50	35.47
		For Up To 4" Extension Sleeves And Hardware, Add	*18.77*	
		For Bi-Level Carrier, Add	*218.38*	

22 50 Pool and Fountain Plumbing Systems *(22)*

22 51 Swimming Pool Plumbing Systems *(22 50)*

22 51 13 Swimming Pool Piping *(22 51)*

22 51 13 00-0001 Swimming Pool Gutters *(22 51 13)*

22 51 13 00-0002	LF	Swimming Pool Gutters, Stainless	271.72	21.01

22 51 13 00-0003 Pool Drains *(22 51 13)*

22 51 13 00-0004 Cast Iron Pool Drain With Bottom Outlet *(22 51 13 00-0003)*

Note: Large square top and 24" loose set round super-flo grate.

22 51 13 00-0005	EA	Cast Iron Pool Drain, 4" - 8" Bottom Outlet, Large Square Top And 24" Super-Flo Grate	1,919.53	58.80
		For Polished Bronze Top, Add	*769.60*	
		For Chromium Plated Top, Add	*805.00*	
		For Galvanized Top, Add	*276.40*	
		For Vandal Proof Construction, Add	*57.20*	

22 51 13 00-0006 Cast Iron Pool Drain With Waterproof Flange *(22 51 13 00-0003)*

Note: Bottom outlet 14" square top and loose set square flange.

22 51 13 00-0007	EA	Cast Iron Pool Drain, 2" - 4" Bottom Outlet With Waterproof Flange And 14" Square Top	583.42	58.80
		For Clamp Device, Add	*13.80*	
		For Galvanized Top, Add	*38.10*	
		For Polished Bronze Top, Add	*133.50*	
		For Chromium Plated Top, Add	*146.90*	
		For Hinge Grate, Add	*28.60*	
		For Supplementary Strainer, Add	*7.00*	
		For Threaded Outlet, Add	*9.50*	
		For Vandal Proof Construction, Add	*17.10*	
		For Ground Screw, Add	*18.30*	

22 51 13 00-0008 Pool Supply Fittings *(22 51 13)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 13 00-0009		**Cast Iron Pool Supply Fittings** *(22 51 13 00-0008)*		
		Note: Includes polished bronze head and anchor flange and adjustable V-ported valve insert and threaded inlet.		
22 51 13 00-0010	EA	Cast Iron Pool Fitting For 2" Pipe	736.64	105.01
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
22 51 13 00-0011	EA	Cast Iron Pool Fitting For 3" Pipe	736.64	105.01
		For Chromium Plated Head, Add	*11.50*	
		For Galvanized Head, Add	*26.30*	
		For Vandal Proof Construction, Add	*11.50*	
		For Grounding Screw, Add	*18.30*	
22 51 16		**Swimming Pool Pumps** *(22 51)*		
22 51 16 00-0001		**Variable Speed Pool Pumps** *(22 51 16)*		
22 51 16 00-0002	EA	3 HP, Variable Speed Pool Pump With Vacuum Release (Pentair INTELLIFLO VS+SVRS 11017)	2,063.83	396.69
22 51 16 00-0003	EA	Variable Speed Pool Pump (Hayward EcoStar SVRS SP3400VSP)	2,244.12	396.69
22 51 16 00-0004	EA	Variable Speed Pool Pump With Vacuum Release (Hayward EcoStar SVRS SP3400VSPVR)	2,486.11	396.69
22 51 16 00-0005		**Electric Powered Portable Vacuum Cleaner Pump** *(22 51 16)*		
		Note: Includes 75' of 3 wire electric safety cord.		
22 51 16 00-0006	EA	1 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	343.16	46.67
22 51 16 00-0007	EA	1-1/2 HP Electric Portable Vacuum Cleaner Pump With 75' Of 3-Wire Safety Cord	616.00	46.67
22 51 16 00-0008		**Gasoline Driven Portable Vacuum Cleaner Pump** *(22 51 16)*		
22 51 16 00-0009	EA	3 HP Gasoline Driven Portable Vacuum Cleaner Pump	2,429.86	46.67
22 51 19		**Swimming Pool Water Treatment Equipment** *(22 51)*		
22 51 19 00-0001		**Condensing Pool Water Heater** *(22 51 19)*		
22 51 19 00-0002	EA	372 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN400)	26,217.07	668.89
22 51 19 00-0003	EA	467 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN501)	28,615.86	802.67
22 51 19 00-0004	EA	567 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN601)	31,372.59	869.56
22 51 19 00-0005	EA	660 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN701)	38,443.82	936.45
22 51 19 00-0006	EA	773 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN801)	39,899.82	1,003.33
22 51 19 00-0007	EA	967 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1015)	60,249.42	1,204.00
22 51 19 00-0008	EA	1,257 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1320)	77,007.39	1,270.89
22 51 19 00-0009	EA	1,450 MBH, 97% Efficient, Gas Fired, Indirect, Condensing Pool Water Heater (Lochinvar XPN1520)	80,148.79	1,371.23
22 51 19 00-0010		**Non Condensing Pool Water Heater** *(22 51 19)*		
22 51 19 00-0011	EA	500 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0502)	14,489.61	869.56
22 51 19 00-0012	EA	650 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0652)	15,449.54	936.45
22 51 19 00-0013	EA	750 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0752)	16,818.83	1,003.33
22 51 19 00-0014	EA	990 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN0992)	22,136.69	1,204.00
22 51 19 00-0015	EA	1,260 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1262)	25,560.90	1,270.89
22 51 19 00-0016	EA	1,440 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1442)	27,297.74	1,371.23
22 51 19 00-0017	EA	1,800 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN1802)	27,105.18	1,438.12
22 51 19 00-0018	EA	2,070 MBH, 89% Efficient, Gas Fired, Copper Finned Tube, Non Condensing Pool Water Heater (Lochinvar CPN2072)	34,844.40	1,471.56
22 51 19 00-0019		**Swimming Pool Heaters** *(22 51 19)*		
		Note: Excludes wiring, external piping, base or pad. Commercial pools.		
22 51 19 00-0020		**Electric Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0021	EA	12 KW Heater (1 Degree/Hour), For 4,800 Gallon Pool	5,012.15	186.68
22 51 19 00-0022	EA	18 KW Heater (1 Degree/Hour), For 7,200 Gallon Pool	5,613.87	200.68
22 51 19 00-0023	EA	24 KW Heater (1 Degree/Hour), For 9,600 Gallon Pool	6,221.15	233.35
22 51 19 00-0024	EA	30 KW Heater (1 Degree/Hour), For 12,000 Gallon Pool	6,538.51	280.02
22 51 19 00-0025	EA	36 KW Heater (1 Degree/Hour), For 14,400 Gallon Pool	7,073.66	392.03
22 51 19 00-0026	EA	60 KW Heater (1 Degree/Hour), For 24,000 Gallon Pool	7,950.07	560.03
22 51 19 00-0027		**Gas Fired Pool Heaters** *(22 51 19 00-0019)*		
22 51 19 00-0028	EA	120 MBH Output Gas Fired Pool Heater	5,178.01	900.87
22 51 19 00-0029	EA	180 MBH Output Gas Fired Pool Heater	5,881.39	1,029.56
22 51 19 00-0030	EA	240 MBH Output Gas Fired Pool Heater	6,645.81	1,158.25
22 51 19 00-0031	EA	300 MBH Output Gas Fired Pool Heater	7,645.69	1,415.65
22 51 19 00-0032	EA	360 MBH Output Gas Fired Pool Heater	7,872.47	1,493.60
22 51 19 00-0033	EA	400 MBH Output Gas Fired Pool Heater	9,233.54	1,830.41

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0034	EA	500 MBH Output Gas Fired Pool Heater	14,545.98	2,112.00
22 51 19 00-0035	EA	600 MBH Output Gas Fired Pool Heater	16,870.46	2,323.20
22 51 19 00-0036	EA	750 MBH Output Gas Fired Pool Heater	19,026.56	2,534.41
22 51 19 00-0037	EA	1,000 MBH Output Gas Fired Pool Heater	24,402.77	2,992.01
22 51 19 00-0038		**Surge Tanks** *(22 51 19)*		
		Note: Includes 100 GPM vertical pump with 2 HP motor and electronic float switch. Prices are for 1' To 5' sump depth for pump.		
22 51 19 00-0039	EA	1,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	13,540.44	735.99
22 51 19 00-0040	EA	1,500 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	15,114.28	735.99
22 51 19 00-0041	EA	2,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	18,317.12	940.53
22 51 19 00-0042	EA	5,000 Gallon Surge Tank, With 2 HP Motor With 100 GPM Vertical Pump And Electric Float Switch	24,522.98	1,517.92
22 51 19 00-0043		**Diatomite Type Filter System** *(22 51 19)*		
22 51 19 00-0044	EA	35,000 Gallon Filter System, Diatomite	13,795.14	2,643.76
22 51 19 00-0045	EA	45,000 Gallon Filter System, Diatomite	16,415.87	3,172.52
22 51 19 00-0046		**Silver Recovery System, X-Ray Film Processing** *(22 51 19)*		
22 51 19 00-0047	EA	20 Gallon/Day Capacity, Silver Recovery System	2,186.38	316.71
22 51 19 00-0048	EA	40 Gallon/Day Capacity, Silver Recovery System	3,244.59	422.31
22 51 19 00-0049		**Inline Water Filter** *(22 51 19)*		
		Note: 3/8" NPT threaded inlet and outlet, 125 PSI, includes one filter cartridge.		
22 51 19 00-0050	EA	2 GPM Water Filter, 100 Degree Temperature, 8" x 5" Diameter, Plastic Body	265.37	93.34
22 51 19 00-0051	EA	6 GPM Water Filter, 250 Degree Temperature, 12" x 5" Diameter, Stainless Steel Body	525.57	140.01
22 51 19 00-0052		**Horizontal High Rate Sand Filters** *(22 51 19)*		
		Note: Includes sand, filter system equipment and attached accessory gauges.		
22 51 19 00-0053	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	27,075.82	1,995.96
		Note: 1 tank, 4" pipe size, Miami Tanks model # HH3614-A.		
22 51 19 00-0054	EA	135-270 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	16,943.91	1,995.96
		Note: 1 tank, 4" pipe size, Miami tanks model # HH3614-M.		
22 51 19 00-0055	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	38,132.71	3,991.91
		Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-A.		
22 51 19 00-0056	EA	270-405 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	30,619.64	3,991.91
		Note: 2 tank, 4" pipe size, Miami tanks model # HH3624-M.		
22 51 19 00-0057	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	39,138.93	3,991.91
		Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-A.		
22 51 19 00-0058	EA	270-540 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	31,776.12	3,991.91
		Note: 2 tank, 6" pipe size, Miami tanks model # HH3626-M.		
22 51 19 00-0059	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	53,772.40	5,987.87
		Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-A.		
22 51 19 00-0060	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	42,596.70	5,987.87
		Note: 3 tank, 6" pipe size, Miami tanks model # HH3636-M.		
22 51 19 00-0061	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	55,221.35	5,987.87
		Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-A.		
22 51 19 00-0062	EA	405-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	46,788.31	5,987.87
		Note: 3 tank, 8" pipe size, Miami tanks model # HH3638-M.		
22 51 19 00-0063	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	69,548.82	7,983.83
		Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-A.		
22 51 19 00-0064	EA	540-810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	60,079.67	7,983.83
		Note: 4 tank, 6" pipe size, Miami tanks model # HH3646-M.		
22 51 19 00-0065	EA	675 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	84,711.52	9,979.79
		Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-A.		
22 51 19 00-0066	EA	675 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	72,516.19	9,979.79
		Note: 5 tank, 6" pipe size, Miami tanks model # HH3656-M.		
22 51 19 00-0067	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	86,935.92	9,979.79
		Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-A.		
22 51 19 00-0068	EA	675-1350 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	74,947.97	9,979.79
		Note: 5 tank, 8" pipe size, Miami tanks model # HH3658-M.		
22 51 19 00-0069	EA	810 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	100,655.29	11,975.74
		Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-A.		
22 51 19 00-0070	EA	810 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	87,088.83	11,975.74
		Note: 6 tank, 6" pipe size, Miami tanks model # HH3666-M.		
22 51 19 00-0071	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	102,597.95	11,975.74
		Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-A.		
22 51 19 00-0072	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	88,670.64	11,975.74
		Note: 6 tank, 8" pipe size, Miami tanks model # HH3668-M.		
22 51 19 00-0073	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	105,198.01	11,975.74
		Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-A.		
22 51 19 00-0074	EA	810-1620 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	85,323.26	11,975.74
		Note: 6 tank, 10" pipe size, Miami tanks model # HH36610-M.		
22 51 19 00-0075	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	118,553.23	13,971.70
		Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-A.		
22 51 19 00-0076	EA	945-1418 GPM Horizontal Hi-Rate Sand Filter, Manual Controls	104,985.81	13,971.70
		Note: 7 tank, 8" pipe size, Miami tanks model # HH3678-M.		
22 51 19 00-0077	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls	121,823.14	13,971.70
		Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-A.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 19 00-0078	EA	945-1890 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 7 tank, 10" pipe size, Miami tanks model # HH36710-M.	107,889.07	13,971.70
22 51 19 00-0079	EA	1080-2160 GPM Horizontal Hi-Rate Sand Filter, Automatic Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-A.	135,799.94	15,967.66
22 51 19 00-0080	EA	1080-2160 GPM Horizontal Hi-Rate Sand Filter, Manual Controls Note: 8 tank, 10" pipe size, Miami tanks model # HH36810-M.	122,016.13	15,967.66

22 51 19 00-0081 Swimming Pool Chlorinators *(22 51 19)*

22 51 19 00-0082	EA	Swimming Pool Chlorinator, 50-100 PPD, Direct Cylinder Mounted Gas Chlorinator	1,054.15	133.48

22 51 19 00-0083 Ultra-Violet Pool Treatment Lights *(22 51 19)*

22 51 19 00-0084 Stainless Steel Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)*

Note: Delta ELP Amalgam Series

22 51 19 00-0085	EA	3" Flanged, 79 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	10,117.70	291.00
22 51 19 00-0086	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	10,691.84	291.00
22 51 19 00-0087	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	11,183.97	291.00
22 51 19 00-0088	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	11,540.14	308.21
22 51 19 00-0089	EA	4" Flanged, 295 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	11,784.03	308.21
22 51 19 00-0090	EA	4" Flanged, 329 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	13,998.55	308.21
22 51 19 00-0091	EA	6" Flanged, 396 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	16,588.21	555.98
22 51 19 00-0092	EA	6" Flanged, 440 GPM, 2 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	24,512.13	555.98
22 51 19 00-0093	EA	6" Flanged, 650 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,892.72	555.98
22 51 19 00-0094	EA	8" Flanged, 695 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	28,861.93	667.01
22 51 19 00-0095	EA	8" Flanged, 920 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	30,982.43	667.01
22 51 19 00-0096	EA	8" Flanged, 1140 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	32,462.80	667.01
22 51 19 00-0097	EA	8" Flanged, 1260 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	34,063.19	667.01
22 51 19 00-0098	EA	10" Flanged, 1510 GPM, 6 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	36,600.95	758.17
22 51 19 00-0099	EA	10" Flanged, 1760 GPM, 7 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	39,401.64	758.17
22 51 19 00-0100	EA	10" Flanged, 2010 GPM, 8 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	42,202.31	758.17
22 51 19 00-0101	EA	10" Flanged, 2520 GPM, 10 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With Stainless Steel Housing	45,603.14	758.17

22 51 19 00-0102 HDPE Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)*

Note: Delta EL Series

22 51 19 00-0103	EA	3" Flanged, 116 GPM, 3 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	5,086.50	291.00
22 51 19 00-0104	EA	3" Flanged, 158 GPM, 4 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	5,646.62	291.00
22 51 19 00-0105	EA	4" Flanged, 254 GPM, 5 Lamp, 240 Volt, Ultra-Violet Pool Treatment Light With HDPE Housing	6,232.70	308.21

22 51 19 00-0106 In-Line, Stainless Steel Ultra-Violet Pool Treatment Lights *(22 51 19 00-0083)*

Note: Delta EM Series

22 51 19 00-0107	EA	3" Flanged, 100 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	19,489.98	291.00
22 51 19 00-0108	EA	3" Flanged, 170 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	19,690.01	291.00
22 51 19 00-0109	EA	6" Flanged, 300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	21,099.32	555.98
22 51 19 00-0110	EA	6" Flanged, 600 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	26,676.66	555.98
22 51 19 00-0111	EA	8" Flanged, 1300 GPM, 1 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	37,183.94	667.01
22 51 19 00-0112	EA	10" Flanged, 2000 GPM, 2 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	41,962.26	758.17
22 51 19 00-0113	EA	12" Flanged, 3000 GPM, 3 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	49,502.47	981.10
22 51 19 00-0114	EA	12" Flanged, 4000 GPM, 4 Lamp, 240 Volt, In-Line Ultra-Violet Pool Treatment Light With Stainless Steel Housing	55,503.91	981.10

22 51 23 Swimming Pool Equipment Controls *(22 51)*

22 51 23 00-0001 Pool Pump Variable Frequency Drive *(22 51 23)*

Note: Pentair Acu Drive XS

22 51 23 00-0002	EA	3 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01)	3,267.36	205.16
22 51 23 00-0003	EA	5 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01)	3,511.76	230.82
22 51 23 00-0004	EA	7-1/2 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01)	4,210.24	288.52
22 51 23 00-0005	EA	10 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01)	4,490.07	344.30
22 51 23 00-0006	EA	15 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01)	4,816.69	400.72
22 51 23 00-0007	EA	20 HP, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01)	5,460.30	457.79
22 51 23 00-0008	EA	3 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01)	3,271.40	205.16
22 51 23 00-0009	EA	5 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01)	3,453.96	230.82
22 51 23 00-0010	EA	7-1/2 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01)	3,737.01	288.52
22 51 23 00-0011	EA	10 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01)	4,030.28	344.30
22 51 23 00-0012	EA	15 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01)	4,750.81	400.72
22 51 23 00-0013	EA	20 HP, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01)	5,281.50	457.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0014	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N01FB)	4,200.38	205.16
22 51 23 00-0015	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N01FB)	4,827.93	230.82
22 51 23 00-0016	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N01FB)	5,377.17	288.52
22 51 23 00-0017	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N01FB)	5,808.92	344.30
22 51 23 00-0018	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N01FB)	6,837.32	400.72
22 51 23 00-0019	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N01FB)	7,710.83	457.79
22 51 23 00-0020	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N01FB)	4,505.56	205.16
22 51 23 00-0021	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N01FB)	4,691.07	230.82
22 51 23 00-0022	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N01FB)	4,969.82	288.52
22 51 23 00-0023	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N01FB)	5,264.44	344.30
22 51 23 00-0024	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N01FB)	6,010.52	400.72
22 51 23 00-0025	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 1, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N01FB)	6,582.88	457.79
22 51 23 00-0026	EA	1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12)	3,112.54	205.16
22 51 23 00-0027	EA	3/4 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12)	3,163.23	205.16
22 51 23 00-0028	EA	1 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12)	3,194.54	205.16
22 51 23 00-0029	EA	1-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12)	3,278.90	205.16
22 51 23 00-0030	EA	2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12)	3,406.33	205.16
22 51 23 00-0031	EA	3 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12)	3,505.19	205.16
22 51 23 00-0032	EA	5 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12)	3,756.31	230.82
22 51 23 00-0033	EA	7-1/2 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12)	4,482.99	288.52
22 51 23 00-0034	EA	10 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12)	4,807.31	344.30
22 51 23 00-0035	EA	15 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12)	5,143.39	400.72
22 51 23 00-0036	EA	20 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12)	5,844.68	457.79
22 51 23 00-0037	EA	25 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12)	7,666.57	570.63
22 51 23 00-0038	EA	30 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12)	8,462.57	628.33
22 51 23 00-0039	EA	40 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12)	9,990.71	686.03
22 51 23 00-0040	EA	50 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12)	11,625.44	801.45
22 51 23 00-0041	EA	60 HP, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12)	12,728.80	859.15
22 51 23 00-0042	EA	1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12)	3,175.70	205.16
22 51 23 00-0043	EA	3/4 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12)	3,241.16	205.16
22 51 23 00-0044	EA	1 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12)	3,323.52	205.16
22 51 23 00-0045	EA	1-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12)	3,394.32	205.16
22 51 23 00-0046	EA	2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12)	3,466.46	205.16
22 51 23 00-0047	EA	3 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12)	3,542.59	205.16
22 51 23 00-0048	EA	5 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12)	3,730.93	230.82
22 51 23 00-0049	EA	7-1/2 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12)	4,016.79	288.52
22 51 23 00-0050	EA	10 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12)	4,316.80	344.30
22 51 23 00-0051	EA	15 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12)	5,240.38	400.72
22 51 23 00-0052	EA	20 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12)	5,782.96	457.79
22 51 23 00-0053	EA	25 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12)	6,395.67	570.63
22 51 23 00-0054	EA	30 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12)	7,228.42	628.33
22 51 23 00-0055	EA	40 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12)	8,153.13	686.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0056	EA	50 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12)	9,978.68	801.45
22 51 23 00-0057	EA	60 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12)	10,955.98	859.15
22 51 23 00-0058	EA	75 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12)	12,270.36	916.85
22 51 23 00-0059	EA	100 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12)	14,500.44	971.35
22 51 23 00-0060	EA	125 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12)	16,691.83	1,025.84
22 51 23 00-0061	EA	150 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12)	18,115.99	1,147.66
22 51 23 00-0062	EA	200 HP, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12)	21,121.74	1,256.66
22 51 23 00-0063	EA	1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-2303-N12FB)	4,463.75	205.16
22 51 23 00-0064	EA	3/4 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-2303-N12FB)	4,514.43	205.16
22 51 23 00-0065	EA	1 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-2303-N12FB)	4,545.74	205.16
22 51 23 00-0066	EA	1-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-2303-N12FB)	4,630.10	205.16
22 51 23 00-0067	EA	2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-2303-N12FB)	4,757.54	205.16
22 51 23 00-0068	EA	3 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-2303-N12FB)	4,856.39	205.16
22 51 23 00-0069	EA	5 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-2303-N12FB)	5,107.51	230.82
22 51 23 00-0070	EA	7-1/2 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-2303-N12FB)	5,681.22	288.52
22 51 23 00-0071	EA	10 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-2303-N12FB)	6,161.77	344.30
22 51 23 00-0072	EA	15 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-2303-N12FB)	7,217.25	400.72
22 51 23 00-0073	EA	20 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-2303-N12FB)	8,157.95	457.79
22 51 23 00-0074	EA	25 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-2303-N12FB)	9,613.45	570.63
22 51 23 00-0075	EA	30 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-2303-N12FB)	10,583.79	628.33
22 51 23 00-0076	EA	40 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-2303-N12FB)	13,483.11	686.03
22 51 23 00-0077	EA	50 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-2303-N12FB)	17,745.18	801.45
22 51 23 00-0078	EA	60 HP, Fused Bypass, 230 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-2303-N12FB)	19,495.42	859.15
22 51 23 00-0079	EA	1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD005-4603-N12FB)	4,444.57	205.16
22 51 23 00-0080	EA	3/4 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD007-4603-N12FB)	4,510.02	205.16
22 51 23 00-0081	EA	1 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD010-4603-N12FB)	4,592.39	205.16
22 51 23 00-0082	EA	1-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD015-4603-N12FB)	4,663.19	205.16
22 51 23 00-0083	EA	2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD020-4603-N12FB)	4,735.31	205.16
22 51 23 00-0084	EA	3 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD030-4603-N12FB)	4,811.46	205.16
22 51 23 00-0085	EA	5 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD050-4603-N12FB)	4,999.80	230.82
22 51 23 00-0086	EA	7-1/2 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD075-4603-N12FB)	5,284.29	288.52
22 51 23 00-0087	EA	10 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD100-4603-N12FB)	5,584.30	344.30
22 51 23 00-0088	EA	15 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD150-4603-N12FB)	6,535.40	400.72
22 51 23 00-0089	EA	20 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD200-4603-N12FB)	7,120.57	457.79
22 51 23 00-0090	EA	25 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD250-4603-N12FB)	7,823.95	570.63
22 51 23 00-0091	EA	30 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD300-4603-N12FB)	8,813.09	628.33
22 51 23 00-0092	EA	40 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD400-4603-N12FB)	10,417.77	686.03
22 51 23 00-0093	EA	50 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD500-4603-N12FB)	11,991.34	801.45
22 51 23 00-0094	EA	60 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD600-4603-N12FB)	13,339.56	859.15
22 51 23 00-0095	EA	75 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS AD750-4603-N12FB)	15,464.41	916.85
22 51 23 00-0096	EA	100 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC10-4603-N12FB)	20,317.97	971.35
22 51 23 00-0097	EA	125 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC13-4603-N12FB)	22,461.37	1,025.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0098	EA	150 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC15-4603-N12FB)	28,174.01	1,147.66
22 51 23 00-0099	EA	200 HP, Fused Bypass, 460 Volt AC, NEMA 12, 3 Phase, Pool Pump Variable Frequency Drive (Pentair Acu Drive XS ADC20-4603-N12FB)	33,075.51	1,256.66
22 51 23 00-0100	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 3 Year Extended Warranty (Pentair AD-EWW136)	300.18	
22 51 23 00-0101	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 3 Year Extended Warranty (Pentair AD-EWW236)	479.01	
22 51 23 00-0102	EA	380+ Volt AC, Up To 10 HP, 260 Volt AC, Up To 3 HP, 6 Year Extended Warranty (Pentair AD-EWW172)	530.10	
22 51 23 00-0103	EA	380+ Volt AC, 15 To 40 HP, 260 Volt AC, 5 To 25 HP, 6 Year Extended Warranty (Pentair AD-EWW272)	900.53	
22 51 23 00-0104	EA	380+ Volt AC, 50 To 125 HP, 260 Volt AC, 30 To 60 HP, 6 Year Extended Warranty (Pentair AD-EWW372)	1,718.04	
22 51 23 00-0105	EA	3" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4203KIT)	1,085.27	
22 51 23 00-0106	EA	4" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97014-4204KIT)	1,135.06	
22 51 23 00-0107	EA	6" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4206KIT)	1,239.29	
22 51 23 00-0108	EA	8" Clamp On Saddle Flow Sensor Kit, Integral 4 To 20 mA Output Signal (Pentair 97016-4208KIT)	1,329.94	
22 51 23 00-0109	EA	3" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-03KIT)	1,548.58	
22 51 23 00-0110	EA	4" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97014BL-04KIT)	1,595.39	
22 51 23 00-0111	EA	6" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-06KIT)	1,694.91	
22 51 23 00-0112	EA	8" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97016BL-08KIT)	1,782.77	
22 51 23 00-0113	EA	10" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-10KIT)	2,129.79	
22 51 23 00-0114	EA	12" Clamp On Saddle Flow Sensor Kit, Wall Mounted Display/Transmitter, 4 To 20 mA Output Signal (Pentair 97020BL-12KIT)	2,139.93	

22 51 23 00-0115 Eco-Flow-E Aquatic Variable Frequency Drive And Options *(22 51 23)*

22 51 23 00-0116 Eco-Flow-E Aquatic Variable Frequency Drive *(22 51 23 00-0115)*

22 51 23 00-0117	EA	2 HP, 480 Volt, 3 Phase, 4 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-04-12-4)	2,613.45	170.98
		For Bypass Panel, Add	*629.95*	
22 51 23 00-0118	EA	3 HP, 480 Volt, 3 Phase, 6 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-06-12-4)	2,615.87	170.98
		For Bypass Panel, Add	*629.95*	
22 51 23 00-0119	EA	5 HP, 480 Volt, 3 Phase, 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-4)	2,671.51	192.35
		For Bypass Panel, Add	*629.95*	
22 51 23 00-0120	EA	7-1/2 HP, 480 Volt, 3 Phase, 12 Amperes, Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-4)	2,794.31	240.43
		For Bypass Panel, Add	*629.95*	
22 51 23 00-0121	EA	10 HP, 480 Volt, 3 Phase, 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-4)	3,036.50	286.91
		For Bypass Panel, Add	*629.95*	
22 51 23 00-0122	EA	15 HP, 480 Volt, 3 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-4)	3,387.05	333.94
		For Bypass Panel, Add	*740.55*	
22 51 23 00-0123	EA	20 HP, 480 Volt, 3 Phase, 30 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-30-12-4)	3,985.50	381.48
		For Bypass Panel, Add	*740.55*	
22 51 23 00-0124	EA	25 HP, 480 Volt, 3 Phase, 39 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-39-12-4)	4,191.56	477.66
		For Bypass Panel, Add	*740.55*	
22 51 23 00-0125	EA	30 HP, 480 Volt, 3 Phase, 45 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-45-12-4)	4,989.24	525.21
		For Bypass Panel, Add	*740.55*	
22 51 23 00-0126	EA	40 HP, 480 Volt, 3 Phase, 61 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-61-12-4)	5,161.53	572.23
		For Bypass Panel, Add	*894.71*	
22 51 23 00-0127	EA	1/2 HP, 208/230 Volt, 1 Phase (1 HP, 208/230 Volt, 3 Phase) 8 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-08-12-2)	2,599.74	170.98
		For Bypass Panel, Add	*629.95*	
22 51 23 00-0128	EA	1 HP, 208/230 Volt, 1 Phase (2 HP, 208/230 Volt, 3 Phase) 12 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-12-12-2)	2,602.96	170.98
		For Bypass Panel, Add	*629.95*	
22 51 23 00-0129	EA	1-1/2 HP, 208/230 Volt, 1 Phase (3 HP, 208/230 Volt, 3 Phase) 16 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-16-12-2)	2,618.29	170.98
		For Bypass Panel, Add	*629.95*	
22 51 23 00-0130	EA	5 HP, 208/230 Volt, 1 Phase, 24 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-24-12-2)	2,684.42	192.35
		For Bypass Panel, Add	*740.55*	
22 51 23 00-0131	EA	3 HP, 208/230 Volt, 1 Phase (7-1/2 HP, 208/230 Volt, 3 Phase) 32 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-32-12-2)	2,933.06	240.43
		For Bypass Panel, Add	*740.55*	
22 51 23 00-0132	EA	5 HP, 208/230 Volt, 1 Phase (10 HP, 208/230 Volt, 3 Phase) 46 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-46-12-2)	3,280.11	286.91
		For Bypass Panel, Add	*740.55*	
22 51 23 00-0133	EA	7-1/2 HP, 208/230 Volt, 1 Phase (15 HP, 208/230 Volt, 3 Phase) 60 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-60-12-2)	3,883.14	333.94
		For Bypass Panel, Add	*894.71*	
22 51 23 00-0134	EA	10 HP, 208/230 Volt, 1 Phase (20 HP, 208/230 Volt, 3 Phase) 74 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-74-12-2)	3,993.56	381.48
		For Bypass Panel, Add	*894.71*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0135	EA	25 HP, 208/230 Volt, 1 Phase, 88 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-88-12-2)	4,882.85	477.66
		For Bypass Panel, Add	*1,197.30*	
22 51 23 00-0136	EA	15 HP, 208/230 Volt, 1 Phase (30 HP, 208/230 Volt, 3 Phase) 124 Amperes Maximum, NEMA 12, Eco-Flow-E Aquatic Variable Frequency Drive (H2Flow EF-E-124-12-2)	5,057.00	525.21
		For Bypass Panel, Add	*1,627.34*	

22 51 23 00-0137 Eco-Flow-E Aquatic Variable Frequency Drive Options *(22 51 23 00-0115)*

22 51 23 00-0138	EA	0 To 30 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-30)	387.81	80.14
22 51 23 00-0139	EA	0 To 100 PSI, 1/4" NPT Male Thread, 4 To 20 mA Output, 10' Cable, Pressure Sensor (H2Flow PS-100)	387.81	80.14
22 51 23 00-0140	EA	Lightning Arrestor (H2Flow LA)	395.64	53.43
22 51 23 00-0141	EA	2 HP, 480 Volt, (3/4 HP, 208/230 Volt) Load Reactor (TCI V1K4A00)	425.60	24.04
22 51 23 00-0142	EA	3 HP, 480 Volt, (1 To 1-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K6A00)	440.62	26.72
22 51 23 00-0143	EA	5 HP, 480 Volt, (2 HP, 208/230 Volt) Load Reactor (TCI V1K8A00)	452.42	29.39
22 51 23 00-0144	EA	7-1/2 HP, 480 Volt, (3 HP, 208/230 Volt) Load Reactor (TCI V1K12A00)	473.09	32.06
22 51 23 00-0145	EA	10 HP, 480 Volt, (5 HP, 208/230 Volt) Load Reactor (TCI V1K16A00)	483.27	34.73
22 51 23 00-0146	EA	15 HP, 480 Volt, (7-1/2 HP, 208/230 Volt) Load Reactor (TCI V1K25A00)	626.55	37.40
22 51 23 00-0147	EA	20 HP, 480 Volt, Load Reactor (TCI V1K27A00)	653.66	40.07
22 51 23 00-0148	EA	25 HP, 480 Volt, (10 HP, 208/230 Volt) Load Reactor (TCI V1K35A00)	683.20	42.75
22 51 23 00-0149	EA	30 HP, 480 Volt, (15 HP, 208/230 Volt) Load Reactor (TCI V1K45A00)	711.94	45.42
22 51 23 00-0150	EA	40 HP, 480 Volt, (20 HP, 208/230 Volt) Load Reactor (TCI V1K55A00)	737.45	48.09
22 51 23 00-0151	EA	25 To 30 HP, 208/230 Volt, Load Reactor (TCI V1K80A00)	1,005.75	50.76
22 51 23 00-0152	EA	1 HP, 208/230 Volt, Line Reactor (TCI KDRA25L)	139.74	26.72
22 51 23 00-0153	EA	2 HP, 208/230 Volt, Line Reactor (TCI KDRA27L)	149.93	29.39
22 51 23 00-0154	EA	3 HP, 208/230 Volt, Line Reactor (TCI KDRA28L)	167.37	32.06
22 51 23 00-0155	EA	5 HP, 208/230 Volt, Line Reactor (TCI KDRB22L)	216.27	34.73
22 51 23 00-0156	EA	7-1/2 HP, 208/230 Volt, Line Reactor (TCI KDRB23L)	241.78	37.40
22 51 23 00-0157	EA	10 HP, 208/230 Volt, Line Reactor (TCI KDRD25L)	251.15	40.07
22 51 23 00-0158	EA	15 HP, 208/230 Volt, Line Reactor (TCI KDRD24L)	260.52	42.75
22 51 23 00-0159	EA	20 HP, 208/230 Volt, Line Reactor (TCI KDRD26L)	276.36	45.42
22 51 23 00-0160	EA	25 HP, 208/230 Volt, Line Reactor (TCI KDRC22L)	344.62	48.09
22 51 23 00-0161	EA	30 HP, 208/230 Volt, Line Reactor (TCI KDRF24L)	354.79	50.76
22 51 23 00-0162	EA	1 HP, 480 Volt, Line Reactor (TCI KDRA8L)	140.55	26.72
22 51 23 00-0163	EA	2 HP, 480 Volt, Line Reactor (TCI KDRA1L)	154.77	29.39
22 51 23 00-0164	EA	3 HP, 480 Volt, Line Reactor (TCI KDRA2L)	169.79	32.06
22 51 23 00-0165	EA	5 HP, 480 Volt, Line Reactor (TCI KDRA3L)	179.16	34.73
22 51 23 00-0166	EA	7-1/2 HP, 480 Volt, Line Reactor (TCI KDRA4L)	187.74	37.40
22 51 23 00-0167	EA	10 HP, 480 Volt, Line Reactor (TCI KDRA5L)	231.79	40.07
22 51 23 00-0168	EA	15 HP, 480 Volt, Line Reactor (TCI KDRB2L)	241.97	42.75
22 51 23 00-0169	EA	20 HP, 480 Volt, Line Reactor (TCI KDRB1L)	254.58	45.42
22 51 23 00-0170	EA	25 HP, 480 Volt, Line Reactor (TCI KDRD1L)	263.95	48.09
22 51 23 00-0171	EA	30 HP, 480 Volt, Line Reactor (TCI KDRD2L)	314.46	50.76
22 51 23 00-0172	EA	40 HP, 480 Volt, Line Reactor (TCI KDRC1L)	341.59	53.43
22 51 23 00-0173	EA	Models 04 To 30, 304 SS Metric To English Conduit Adaptor Kit	55.81	
22 51 23 00-0174	EA	Models 32 To 46, 304 SS Metric To English Conduit Adaptor Kit	74.63	
22 51 23 00-0175	EA	Models 60 To 74, 304 SS Metric To English Conduit Adaptor Kit	91.83	

22 51 23 00-0176 Pool Flow Meters *(22 51 23)*

22 51 23 00-0177	EA	20 To 110 GPM, 1-1/2" Retrofit Kit FlowVis For Existing Jandy Or Praher Valve Flow Meter (H2Flow FVJ-R-15)	100.57	18.67
22 51 23 00-0178	EA	20 To 110 GPM, 2" x 2-1/2" Retrofit Kit FlowVis For Existing Jandy® Or Praher Valve Flow Meter (H2Flow FVJ-R)	100.57	18.67
22 51 23 00-0179	EA	20 To 110 GPM, 1-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C-15)	159.71	35.00
22 51 23 00-0180	EA	20 To 110 GPM, 2" x 2-1/2" Complete FlowVis Including Valve Body Flow Meter (H2Flow FV-C)	137.91	37.33

22 51 23 00-0181 Paddlewheel Flow Sensors *(22 51 23)*

22 51 23 00-0182	EA	1/2" To 4" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P0) Note: Includes 25' of cable (extendable to 200').	664.94	61.71
22 51 23 00-0183	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-PO)	865.80	61.71
22 51 23 00-0184	EA	1/2" To 4" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-PO)	865.80	61.71
22 51 23 00-0185	EA	1/2" To 4" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-PO)	897.26	61.71
22 51 23 00-0186	EA	1/2" To 4" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-PO)	931.14	61.71
22 51 23 00-0187	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-TO)	995.26	61.71
22 51 23 00-0188	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-TO)	995.26	61.71
22 51 23 00-0189	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-TO)	1,035.19	61.71
22 51 23 00-0190	EA	1/2" To 4" Pipe, Polyvinylidene Fluoride (PVDF) Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-TO)	1,073.91	61.71
22 51 23 00-0191	EA	>4" To 8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P1) Note: Includes 25' of cable (extendable to 200').	692.77	61.71
22 51 23 00-0192	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch DCR Output Paddlewheel Flow Sensor (Signet 3-2537-1C-P1)	897.26	61.71
22 51 23 00-0193	EA	>4" To 8" Pipe, Polypropylene Body, Pulse/Flow Switch SSR Output Paddlewheel Flow Sensor (Signet 3-2537-2C-P1)	897.26	61.71
22 51 23 00-0194	EA	>4" To 8" Pipe, Polypropylene Body, Digital Output Paddlewheel Flow Sensor (Signet 3-2537-5C-P1)	931.14	61.71

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 51 23 00-0195	EA	>4" To 8" Pipe, Polypropylene Body, 4 To 20 mA Output Paddlewheel Flow Sensor (Signet 3-2537-6C-P1)	962.59	61.71
22 51 23 00-0196	EA	>8" Pipe, Polypropylene Body, Black Polyvinylidene Fluoride (PVDF) Rotor, Paddlewheel Flow Sensor (Signet 3-2536-P2)	718.18	61.71
		Note: Includes 25' of cable (extendable to 200').		
22 51 23 00-0197	EA	2" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S020)	212.88	
22 51 23 00-0198	EA	4" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S040)	294.40	
22 51 23 00-0199	EA	6" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S060)	362.62	
22 51 23 00-0200	EA	8" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S080)	445.36	
22 51 23 00-0201	EA	10" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S100)	587.36	
22 51 23 00-0202	EA	12" Pipe, Polyvinyl Chloride (PVC) Saddle Clamp For Flow Transducers (Signet PV8S120)	597.50	
22 51 23 00-0203	EA	24 Volt DC, Power Supply 7.5 Watt, 300 mA (Signet 7300-7524)	225.84	17.09
22 51 23 00-0204	EA	24 Volt DC, Power Supply 15 Watt, 600 mA (Signet 7300-1524)	302.06	17.09
22 51 23 00-0205	EA	24 Volt DC, 30 Watt, 1.3 Amperes, Power Supply (Signet 7300-3024)	367.40	17.09
22 51 23 00-0206	EA	24 Volt DC, 50 Watt, 2.1 Amperes, Power Supply (Signet 7300-5024)	459.36	17.09
22 51 23 00-0207	EA	24 Volt DC, 100 Watt, 4.2 Amperes, Power Supply (Signet 7300-1024)	628.75	17.09

22 60 Gas and Vacuum Systems for Laboratory and Healthcare Facilities *(22)*

22 66 Chemical-Waste Systems for Laboratory and Healthcare Facilities *(22 60)*

22 66 53 Laboratory Chemical-Waste and Vent Piping *(22 66)*

22 66 53 00-0001 Polypropylene Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

22 66 53 00-0002 Schedule 40 Polypropylene Acid Resistant DWV Pipe And Fuseal Fittings *(22 66 53 00-0001)*

22 66 53 00-0003 Schedule 40 Polypropylene Acid Resistant DWV Pipe *(22 66 53 00-0002)*

22 66 53 00-0004	LF	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	15.89	5.32
		For Schedule 80, Add	*4.10*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*3.51*	
		For Work In Restricted Working Space, Add	*2.40*	
22 66 53 00-0005	LF	2" Schedule 40 Polypropylene Acid Resistant DWV Pipe	19.67	5.97
		For Schedule 80, Add	*5.54*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*4.74*	
		For Work In Restricted Working Space, Add	*2.71*	
22 66 53 00-0006	LF	3" Schedule 40 Polypropylene Acid Resistant DWV Pipe	32.29	8.68
		For Schedule 80, Add	*10.00*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*8.56*	
		For Work In Restricted Working Space, Add	*3.92*	
22 66 53 00-0007	LF	4" Schedule 40 Polypropylene Acid Resistant DWV Pipe	44.27	11.29
		For Schedule 80, Add	*14.20*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*12.15*	
		For Work In Restricted Working Space, Add	*5.09*	
22 66 53 00-0008	LF	6" Schedule 40 Polypropylene Acid Resistant DWV Pipe	74.10	16.62
		For Schedule 80, Add	*25.59*	
		For Fire Retardant Thermoplastic Pipe (Proxylene), Add	*21.90*	
		For Work In Restricted Working Space, Add	*7.47*	

22 66 53 00-0009 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bends *(22 66 53 00-0002)*

22 66 53 00-0010	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	61.87	20.07
		For Work In Restricted Working Space, Add	*9.03*	
22 66 53 00-0011	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	79.17	26.51
		For Work In Restricted Working Space, Add	*11.92*	
22 66 53 00-0012	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	112.50	30.33
		For Work In Restricted Working Space, Add	*13.66*	
22 66 53 00-0013	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	166.83	40.14
		For Work In Restricted Working Space, Add	*18.07*	
22 66 53 00-0014	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/4 Bend	350.91	59.27
		For Work In Restricted Working Space, Add	*26.67*	

22 66 53 00-0015 Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0016	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	61.33	20.07
		For Work In Restricted Working Space, Add	*9.03*	
22 66 53 00-0017	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	77.74	26.51
		For Work In Restricted Working Space, Add	*11.92*	
22 66 53 00-0018	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	115.25	30.33
		For Work In Restricted Working Space, Add	*13.66*	
22 66 53 00-0019	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	139.28	40.14
		For Work In Restricted Working Space, Add	*18.07*	
22 66 53 00-0020	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal 1/8 Bend	308.21	59.27
		For Work In Restricted Working Space, Add	*26.67*	

22 66 53 00-0021 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tees *(22 66 53 00-0002)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0022	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	103.82	42.94
		For Work In Restricted Working Space, Add	*19.31*	
22 66 53 00-0023	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	128.43	54.13
		For Work In Restricted Working Space, Add	*24.35*	
22 66 53 00-0024	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	183.45	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0025	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	258.28	77.84
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0026	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Tee	468.29	124.51
		For Work In Restricted Working Space, Add	*56.00*	

22 66 53 00-0027 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tees *(22 66 53 00-0002)*

22 66 53 00-0028	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	128.37	54.13
		For Work In Restricted Working Space, Add	*24.35*	
22 66 53 00-0029	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	176.85	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0030	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	170.98	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0031	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	243.23	77.84
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0032	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	248.90	77.84
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0033	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Sanitary Tee	426.38	124.51
		For Work In Restricted Working Space, Add	*56.00*	

22 66 53 00-0034 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tees With Plug *(22 66 53 00-0002)*

22 66 53 00-0035	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	123.08	42.94
		For Work In Restricted Working Space, Add	*19.31*	
22 66 53 00-0036	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	133.09	54.13
		For Work In Restricted Working Space, Add	*24.35*	
22 66 53 00-0037	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	197.71	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0038	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	264.85	77.84
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0039	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Cleanout Tee With Plug	387.03	124.51
		For Work In Restricted Working Space, Add	*56.00*	

22 66 53 00-0040 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wyes *(22 66 53 00-0002)*

22 66 53 00-0041	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	114.63	42.94
		For Work In Restricted Working Space, Add	*19.31*	
22 66 53 00-0042	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	138.45	54.13
		For Work In Restricted Working Space, Add	*24.35*	
22 66 53 00-0043	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	189.41	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0044	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	263.22	77.84
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0045	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Wye	558.70	124.51
		For Work In Restricted Working Space, Add	*56.00*	

22 66 53 00-0046 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wyes *(22 66 53 00-0002)*

22 66 53 00-0047	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	151.68	54.13
		For Work In Restricted Working Space, Add	*24.35*	
22 66 53 00-0048	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	182.62	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0049	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	182.62	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0050	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	257.36	77.84
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0051	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	257.36	77.84
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0052	EA	6" x 6" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	480.82	124.51
		For Work In Restricted Working Space, Add	*56.00*	
22 66 53 00-0053	EA	6" x 6" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	485.38	124.51
		For Work In Restricted Working Space, Add	*56.00*	
22 66 53 00-0054	EA	6" x 6" x 4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Reducing Wye	428.29	124.51
		For Work In Restricted Working Space, Add	*56.00*	

22 66 53 00-0055 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Crosses *(22 66 53 00-0002)*

22 66 53 00-0056	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	142.30	53.67
		For Work In Restricted Working Space, Add	*24.14*	
22 66 53 00-0057	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	175.55	67.67
		For Work In Restricted Working Space, Add	*30.44*	
22 66 53 00-0058	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	259.35	74.11
		For Work In Restricted Working Space, Add	*33.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0059	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	367.81	97.26
		For Work In Restricted Working Space, Add	*43.75*	
22 66 53 00-0060	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Sanitary Cross	674.80	155.60
		For Work In Restricted Working Space, Add	*70.01*	

22 66 53 00-0061 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bends *(22 66 53 00-0002)*

22 66 53 00-0062	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	100.29	42.94
		For Work In Restricted Working Space, Add	*19.31*	
22 66 53 00-0063	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	133.66	54.13
		For Work In Restricted Working Space, Add	*24.35*	
22 66 53 00-0064	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	156.05	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0065	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	221.13	77.84
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0066	EA	2" x 2" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	118.04	54.13
		For Work In Restricted Working Space, Add	*24.35*	
22 66 53 00-0067	EA	3" x 3" x 1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	149.77	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0068	EA	3" x 3" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	152.29	59.27
		For Work In Restricted Working Space, Add	*26.67*	
22 66 53 00-0069	EA	4" x 4" x 2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	211.78	77.84
		For Work In Restricted Working Space, Add	*35.00*	
22 66 53 00-0070	EA	4" x 4" x 3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Combination Wye And 1/8 Bend	213.38	77.84
		For Work In Restricted Working Space, Add	*35.00*	

22 66 53 00-0071 Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Traps *(22 66 53 00-0002)*

22 66 53 00-0072	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	119.73	49.85
		For Work In Restricted Working Space, Add	*22.40*	
22 66 53 00-0073	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	160.25	65.53
		For Work In Restricted Working Space, Add	*29.48*	
22 66 53 00-0074	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	255.30	88.95
		For Work In Restricted Working Space, Add	*40.01*	
22 66 53 00-0075	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal P-Trap	374.65	113.22
		For Work In Restricted Working Space, Add	*50.91*	

22 66 53 00-0076 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapters *(22 66 53 00-0002)*

22 66 53 00-0077	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	60.38	20.07
		For Work In Restricted Working Space, Add	*9.03*	
22 66 53 00-0078	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	71.26	26.51
		For Work In Restricted Working Space, Add	*11.92*	
22 66 53 00-0079	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	84.57	30.33
		For Work In Restricted Working Space, Add	*13.66*	
22 66 53 00-0080	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	116.48	40.14
		For Work In Restricted Working Space, Add	*18.07*	
22 66 53 00-0081	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Hub Adapter	173.15	59.27
		For Work In Restricted Working Space, Add	*26.67*	

22 66 53 00-0082 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapters *(22 66 53 00-0002)*

22 66 53 00-0083	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	56.58	20.07
		For Work In Restricted Working Space, Add	*9.03*	
22 66 53 00-0084	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	74.13	26.51
		For Work In Restricted Working Space, Add	*11.92*	
22 66 53 00-0085	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	89.83	30.33
		For Work In Restricted Working Space, Add	*13.66*	
22 66 53 00-0086	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Mechanical Joint Adapter	121.64	40.14
		For Work In Restricted Working Space, Add	*18.07*	

22 66 53 00-0087 Schedule 40 Polypropylene Acid Resistant DWV Fuseal Couplings *(22 66 53 00-0002)*

22 66 53 00-0088	EA	1-1/2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	51.86	20.07
		For Work In Restricted Working Space, Add	*9.03*	
22 66 53 00-0089	EA	2" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	65.65	26.51
		For Work In Restricted Working Space, Add	*11.92*	
22 66 53 00-0090	EA	3" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	77.01	30.33
		For Work In Restricted Working Space, Add	*13.66*	
22 66 53 00-0091	EA	4" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	101.84	40.14
		For Work In Restricted Working Space, Add	*18.07*	
22 66 53 00-0092	EA	6" Schedule 40 Polypropylene Acid Resistant DWV Fuseal Coupling	149.39	59.27
		For Work In Restricted Working Space, Add	*26.67*	

22 66 53 00-0093 Bell And Spigot High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings *(22 66 53)*

Note: Acid resistant. ASTM A518.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0094		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0093)*		
22 66 53 00-0095	LF	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	91.13	8.31
22 66 53 00-0096	LF	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	128.23	10.36
22 66 53 00-0097	LF	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	174.43	11.95
22 66 53 00-0098	LF	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	286.79	17.14
22 66 53 00-0099	LF	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	505.56	22.89
22 66 53 00-0100	LF	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	893.50	28.87
22 66 53 00-0101	LF	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	1,592.63	38.88
22 66 53 00-0102	LF	15" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe	2,835.49	44.58
22 66 53 00-0103		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0093)*		
22 66 53 00-0104		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0103)*		
22 66 53 00-0105	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	365.06	70.75
22 66 53 00-0106	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	476.88	77.84
22 66 53 00-0107	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	773.80	93.15
22 66 53 00-0108	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	1,155.10	113.22
22 66 53 00-0109	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Long Sweep	2,649.24	183.94
22 66 53 00-0110		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0111	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	213.24	70.75
22 66 53 00-0112	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	277.43	77.84
22 66 53 00-0113	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	348.11	93.15
22 66 53 00-0114	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	919.93	113.22
22 66 53 00-0115	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	2,082.74	183.94
22 66 53 00-0116	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	3,160.79	229.17
22 66 53 00-0117	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	4,638.90	275.59
22 66 53 00-0118		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0119	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	213.24	70.75
22 66 53 00-0120	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	277.43	77.84
22 66 53 00-0121	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	348.11	93.15
22 66 53 00-0122	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	675.83	113.22
22 66 53 00-0123	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	1,767.20	183.94
22 66 53 00-0124	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	2,580.75	229.17
22 66 53 00-0125	EA	12" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	3,656.98	275.59
22 66 53 00-0126		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0103)*		
22 66 53 00-0127	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	213.24	70.75
22 66 53 00-0128	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	277.43	77.84
22 66 53 00-0129	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	347.89	93.06
22 66 53 00-0130		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweeps** *(22 66 53 00-0103)*		
22 66 53 00-0131	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	290.63	70.75
22 66 53 00-0132	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	512.60	77.84
22 66 53 00-0133	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Short Sweep	574.35	93.15
22 66 53 00-0134		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tees** *(22 66 53 00-0103)*		
22 66 53 00-0135	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	301.63	105.85
22 66 53 00-0136	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	378.34	117.33
22 66 53 00-0137	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	525.63	140.10
22 66 53 00-0138	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	880.24	170.14
22 66 53 00-0139	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	2,679.42	276.14
22 66 53 00-0140	EA	10" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Tee	3,801.83	344.82
22 66 53 00-0141		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tees** *(22 66 53 00-0103)*		
22 66 53 00-0142	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	283.12	101.46
22 66 53 00-0143	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	330.04	108.93
22 66 53 00-0144	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	368.49	112.75
22 66 53 00-0145	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	421.85	124.51
22 66 53 00-0146	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	451.62	128.43
22 66 53 00-0147	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	495.92	132.27
22 66 53 00-0148	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	623.12	147.23
22 66 53 00-0149	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	690.84	151.03
22 66 53 00-0150	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Sanitary Tee	772.67	157.97
22 66 53 00-0151		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tees** *(22 66 53 00-0103)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0152	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	343.25	105.85
22 66 53 00-0153	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	413.60	117.05
22 66 53 00-0154	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Tee	564.29	140.10

22 66 53 00-0155 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tees

(22 66 53 00-0103)

22 66 53 00-0156	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	324.78	101.46
22 66 53 00-0157	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	405.00	113.32
22 66 53 00-0158	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	487.88	128.81
22 66 53 00-0159	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Tee	523.29	132.64

22 66 53 00-0160 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wyes *(22 66 53 00-0103)*

22 66 53 00-0161	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	298.85	106.04
22 66 53 00-0162	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	411.08	117.33
22 66 53 00-0163	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	525.46	140.01
22 66 53 00-0164	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	885.20	169.52
22 66 53 00-0165	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Wye	3,351.77	275.87

22 66 53 00-0166 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes *(22 66 53 00-0103)*

22 66 53 00-0167	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	306.92	101.46
22 66 53 00-0168	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	330.00	108.93
22 66 53 00-0169	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	348.64	113.41
22 66 53 00-0170	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	389.11	124.51
22 66 53 00-0171	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	404.21	128.63
22 66 53 00-0172	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	484.59	132.64
22 66 53 00-0173	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	655.65	147.41
22 66 53 00-0174	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	777.17	151.03
22 66 53 00-0175	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	811.37	157.97
22 66 53 00-0176	EA	8" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	1,973.94	222.55
22 66 53 00-0177	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,130.82	229.90
22 66 53 00-0178	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	2,603.85	241.67

22 66 53 00-0179 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0103)*

22 66 53 00-0180	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	355.11	105.85
22 66 53 00-0181	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	422.53	117.05
22 66 53 00-0182	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	623.82	140.10
22 66 53 00-0183	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	962.93	169.70

22 66 53 00-0184 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0103)*

22 66 53 00-0185	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	295.01	101.46
22 66 53 00-0186	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	341.91	108.93
22 66 53 00-0187	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	378.21	113.32
22 66 53 00-0188	EA	4" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	409.94	124.51
22 66 53 00-0189	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	472.99	128.81
22 66 53 00-0190	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	535.14	132.54
22 66 53 00-0191	EA	6" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	694.28	147.41
22 66 53 00-0192	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	863.56	151.11
22 66 53 00-0193	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	945.72	158.24

22 66 53 00-0194 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducers *(22 66 53 00-0103)*

22 66 53 00-0195	EA	2" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	183.25	66.65
22 66 53 00-0196	EA	3" x 1-1/2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	200.73	70.38
22 66 53 00-0197	EA	3" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	224.20	74.11
22 66 53 00-0198	EA	4" x 2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	358.37	82.14
22 66 53 00-0199	EA	4" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	375.90	85.97
22 66 53 00-0200	EA	6" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	409.58	94.46
22 66 53 00-0201	EA	6" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	530.53	101.68
22 66 53 00-0202	EA	8" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	769.44	137.98
22 66 53 00-0203	EA	8" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Reducer	819.72	149.66

22 66 53 00-0204 Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increasers *(22 66 53 00-0103)*

22 66 53 00-0205	EA	2" x 3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	489.36	155.60
22 66 53 00-0206	EA	2" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	644.16	155.60
22 66 53 00-0207	EA	3" x 4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	658.05	155.60
22 66 53 00-0208	EA	4" x 6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Sanitary Increaser	747.40	210.65

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0209		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Traps** *(22 66 53 00-0103)*		
22 66 53 00-0210	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	540.69	70.75
22 66 53 00-0211	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	652.51	77.84
22 66 53 00-0212	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	794.64	93.15
22 66 53 00-0213	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV P-Trap	2,339.89	113.22
22 66 53 00-0214		**Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hubs** *(22 66 53 00-0103)*		
22 66 53 00-0215	EA	2" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	269.80	70.75
22 66 53 00-0216	EA	3" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	339.94	77.84
22 66 53 00-0217	EA	4" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	467.18	93.15
22 66 53 00-0218	EA	6" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	603.88	113.22
22 66 53 00-0219	EA	8" Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Double Hub	1,171.61	157.97
22 66 53 00-0220		**Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0093)*		
		Note: Labor costs for installation of lead and oakum are included in the installation costs for fittings.		
22 66 53 00-0221	LB	Lead (1 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	5.40	
22 66 53 00-0222	LB	Seal-Tite Packing (1/8 LB/Diameter Inch) Joint Material For Bell And Spigot High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings	54.58	
22 66 53 00-0223		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Drain-Waste-Vent (DWV) Pipe And Fittings** *(22 66 53)*		
		Note: ASTM A518.		
22 66 53 00-0224		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe** *(22 66 53 00-0223)*		
22 66 53 00-0225	LF	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	72.30	6.25
22 66 53 00-0226	LF	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	82.26	6.91
22 66 53 00-0227	LF	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	113.44	8.68
22 66 53 00-0228	LF	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe	143.07	10.08
22 66 53 00-0229		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Fittings** *(22 66 53 00-0223)*		
22 66 53 00-0230		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweeps** *(22 66 53 00-0229)*		
22 66 53 00-0231	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	267.83	49.56
22 66 53 00-0232	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	289.40	56.01
22 66 53 00-0233	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	396.23	61.79
22 66 53 00-0234	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Long Sweep	478.16	74.67
22 66 53 00-0235		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0236	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	151.73	49.56
22 66 53 00-0237	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	181.38	55.44
22 66 53 00-0238	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	232.83	61.98
22 66 53 00-0239	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	304.67	74.11
22 66 53 00-0240	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/4 Bend	176.76	52.37
22 66 53 00-0241		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0242	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	151.73	49.56
22 66 53 00-0243	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	181.38	55.44
22 66 53 00-0244	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	232.83	61.98
22 66 53 00-0245	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/8 Bend	304.67	74.11
22 66 53 00-0246		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0247	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	178.52	49.56
22 66 53 00-0248	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	223.05	55.44
22 66 53 00-0249	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	342.98	61.98
22 66 53 00-0250	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/6 Bend	385.04	74.11
22 66 53 00-0251		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bends** *(22 66 53 00-0229)*		
22 66 53 00-0252	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	172.57	49.56
22 66 53 00-0253	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	205.19	55.44
22 66 53 00-0254	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	316.18	61.98
22 66 53 00-0255	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV 1/16 Bend	358.25	74.11
22 66 53 00-0256		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bends** *(22 66 53 00-0229)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0257	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Branch 1/4 Bend	260.66	74.57

22 66 53 00-0258 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tees *(22 66 53 00-0229)*

22 66 53 00-0259	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	213.03	74.57
22 66 53 00-0260	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	262.88	84.00
22 66 53 00-0261	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	345.76	93.62
22 66 53 00-0262	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Straight Tee	522.25	112.10

22 66 53 00-0263 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tees *(22 66 53 00-0229)*

22 66 53 00-0264	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	246.23	80.84
22 66 53 00-0265	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	300.33	87.18
22 66 53 00-0266	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Sanitary Reducing Tee	319.83	90.25
22 66 53 00-0267	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	342.77	99.59
22 66 53 00-0268	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	376.80	102.40
22 66 53 00-0269	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Reducing Tee	408.26	105.47

22 66 53 00-0270 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wyes *(22 66 53 00-0229)*

22 66 53 00-0271	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	213.40	74.86
22 66 53 00-0272	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	250.97	84.00
22 66 53 00-0273	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	333.86	93.62
22 66 53 00-0274	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Wye	522.25	112.10

22 66 53 00-0275 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wyes *(22 66 53 00-0229)*

22 66 53 00-0276	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	237.93	81.30
22 66 53 00-0277	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	291.38	87.09
22 66 53 00-0278	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	305.36	90.54
22 66 53 00-0279	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	343.21	99.88
22 66 53 00-0280	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	377.65	102.95
22 66 53 00-0281	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Wye	399.72	105.75

22 66 53 00-0282 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wyes *(22 66 53 00-0229)*

22 66 53 00-0283	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	319.14	99.68
22 66 53 00-0284	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	406.30	112.20
22 66 53 00-0285	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	519.50	124.14
22 66 53 00-0286	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	676.25	149.25
22 66 53 00-0287	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	351.82	105.56
22 66 53 00-0288	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	393.87	111.83
22 66 53 00-0289	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	468.68	117.98
22 66 53 00-0290	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	517.36	130.67
22 66 53 00-0291	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Wye	622.55	137.30

22 66 53 00-0292 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Crosses *(22 66 53 00-0229)*

22 66 53 00-0293	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	354.80	99.68
22 66 53 00-0294	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	417.98	112.01
22 66 53 00-0295	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	597.95	124.79
22 66 53 00-0296	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	834.26	149.44
22 66 53 00-0297	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	381.52	105.56
22 66 53 00-0298	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	498.03	111.83
22 66 53 00-0299	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	525.18	117.98
22 66 53 00-0300	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	561.96	130.58
22 66 53 00-0301	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Sanitary Cross	714.10	136.74

22 66 53 00-0302 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bends *(22 66 53 00-0229)*

22 66 53 00-0303	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	236.48	74.30
22 66 53 00-0304	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	274.78	84.00
22 66 53 00-0305	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	333.86	93.62
22 66 53 00-0306	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Wye And 1/8 Bend	554.99	112.10

22 66 53 00-0307 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bends *(22 66 53 00-0229)*

22 66 53 00-0308	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	261.19	80.93
22 66 53 00-0309	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	291.75	87.36
22 66 53 00-0310	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	317.27	90.54

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0311	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	429.53	99.88
22 66 53 00-0312	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	440.17	102.95
22 66 53 00-0313	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Combination Wye And 1/8 Bend	492.00	105.75

22 66 53 00-0314 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bends *(22 66 53 00-0229)*

22 66 53 00-0315	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	375.43	99.50
22 66 53 00-0316	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	471.48	111.92
22 66 53 00-0317	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	677.65	124.42
22 66 53 00-0318	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Double Combination Wye And 1/8 Bend	813.90	149.71

22 66 53 00-0319 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bends *(22 66 53 00-0229)*

22 66 53 00-0320	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	408.32	105.56
22 66 53 00-0321	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	489.07	111.72
22 66 53 00-0322	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	510.30	117.98
22 66 53 00-0323	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	567.92	130.58
22 66 53 00-0324	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducing Double Combination Wye And 1/8 Bend	714.10	136.74

22 66 53 00-0325 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducers-Increasers *(22 66 53 00-0229)*

22 66 53 00-0326	EA	2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	177.54	52.92
22 66 53 00-0327	EA	3" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	200.06	56.01
22 66 53 00-0328	EA	3" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	234.90	65.34
22 66 53 00-0329	EA	4" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	277.62	62.07
22 66 53 00-0330	EA	4" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	294.19	65.15
22 66 53 00-0331	EA	4" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Reducer-Increaser	310.75	68.23

22 66 53 00-0332 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tees *(22 66 53 00-0229)*

22 66 53 00-0333	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	163.58	43.58
22 66 53 00-0334	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	190.00	49.28
22 66 53 00-0335	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	223.54	55.82
22 66 53 00-0336	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Combination Cleanout And Test Tee	405.55	67.95

22 66 53 00-0337 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plugs *(22 66 53 00-0229)*

22 66 53 00-0338	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	72.89	24.83
22 66 53 00-0339	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	86.22	27.72
22 66 53 00-0340	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	94.09	30.99
22 66 53 00-0341	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe Plug	121.07	37.06

22 66 53 00-0342 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Traps *(22 66 53 00-0229)*

22 66 53 00-0343	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	297.16	49.28
22 66 53 00-0344	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	306.40	55.44
22 66 53 00-0345	EA	3" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	378.70	61.98
22 66 53 00-0346	EA	4" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV P-Trap	483.28	74.11
22 66 53 00-0347	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	412.82	53.01
22 66 53 00-0348	EA	2" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	568.03	59.17
22 66 53 00-0349	EA	3" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	687.35	65.34
22 66 53 00-0350	EA	4" Mechanical Joint High Silicon Iron Alloy Running Acid Resistant DWV P-Trap	854.92	77.84

22 66 53 00-0351 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum Traps *(22 66 53 00-0229)*

22 66 53 00-0352	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	551.72	56.28
22 66 53 00-0353	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum P-Trap	870.30	62.26
22 66 53 00-0354	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	575.19	56.01
22 66 53 00-0355	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Centrifugal Drum S-Trap	870.30	62.26

22 66 53 00-0356 Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Traps *(22 66 53 00-0229)*

22 66 53 00-0357	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	512.68	56.01
22 66 53 00-0358	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Short P-Trap	602.38	62.26
22 66 53 00-0359	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long P-Trap	593.05	56.01
22 66 53 00-0360	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	1,301.94	62.26

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 53 00-0361	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Swivel Type Long S-Trap	775.04	62.26
22 66 53 00-0362		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bends** *(22 66 53 00-0229)*		
22 66 53 00-0363	EA	1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	214.58	49.85
22 66 53 00-0364	EA	2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Return Bend	280.47	56.01
22 66 53 00-0365		**Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapters** *(22 66 53 00-0229)*		
22 66 53 00-0366	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	109.58	37.33
22 66 53 00-0367	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	200.58	40.51
22 66 53 00-0368	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Threaded Adapter	147.41	46.67
22 66 53 00-0369		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter** *(22 66 53 00-0229)*		
22 66 53 00-0370	EA	1-1/2" x 1-1/2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	204.71	53.11
22 66 53 00-0371	EA	1-1/2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	223.87	56.01
22 66 53 00-0372	EA	1-1/2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	249.38	59.08
22 66 53 00-0373	EA	1-1/2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	267.40	65.15
22 66 53 00-0374	EA	2" x 2" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	249.42	59.17
22 66 53 00-0375	EA	2" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	262.97	62.26
22 66 53 00-0376	EA	2" x 4" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	283.96	68.23
22 66 53 00-0377	EA	3" x 3" Mechanical Joint High Silicon Iron Alloy Acid Resistant Hub To Mechanical Joint Adapter	321.26	65.34
22 66 53 00-0378	EA	4" x 4" Mechanical Joint High Silicon Iron Alloy Hub To Mechanical Joint Adapter	396.50	77.84
22 66 53 00-0379		**Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fittings** *(22 66 53 00-0229)*		
22 66 53 00-0380	EA	1-1/2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	71.44	
22 66 53 00-0381	EA	2" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	83.35	
22 66 53 00-0382	EA	3" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	89.31	
22 66 53 00-0383	EA	4" Mechanical Joint Couplings For Mechanical Joint High Silicon Iron Alloy Acid Resistant DWV Pipe And Fitting	98.24	
22 66 53 00-0384		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Fittings** *(22 66 53 00-0229)*		
22 66 53 00-0385	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Outlet	528.51	24.92
22 66 53 00-0386	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Stopper	200.26	12.41
22 66 53 00-0387	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sink Overflow	372.92	12.41
22 66 53 00-0388		**Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drains With Stainless Steel Strainer Plates** *(22 66 53 00-0229)*		
22 66 53 00-0389	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain With Stainless Steel Strainer	1,895.40	124.51
22 66 53 00-0390	EA	Mechanical Joint High Silicon Iron Alloy Acid Resistant Sediment Basin Floor Drain With Stainless Steel Strainer	2,339.35	130.76
22 66 53 00-0391	EA	Stainless Steel Funnel Attachment For Mechanical Joint High Silicon Iron Alloy Acid Resistant Floor Drain	1,572.58	12.41
22 66 83		**Chemical-Waste Tanks** *(22 66)*		
22 66 83 16		**Chemical-Waste Neutralization Tanks** *(22 66 83)*		
22 66 83 16-0001		**Acid Neutralization Tank** *(22 66 83 16)*		
22 66 83 16-0002		**Polyethylene Acid Neutralization Tank** *(22 66 83 16-0001)*		
22 66 83 16-0003	EA	5 Gallon Capacity Polyethylene Acid Neutralization Tank	440.44	190.03
22 66 83 16-0004	EA	15 Gallon Capacity Polyethylene Acid Neutralization Tank	783.40	263.50
22 66 83 16-0005	EA	30 Gallon Capacity Polyethylene Acid Neutralization Tank	983.77	380.05
22 66 83 16-0006	EA	55 Gallon Capacity Polyethylene Acid Neutralization Tank	1,266.33	506.74
22 66 83 16-0007	EA	100 Gallon Capacity Polyethylene Acid Neutralization Tank	1,618.29	608.08
22 66 83 16-0008	EA	150 Gallon Capacity Polyethylene Acid Neutralization Tank	2,199.79	760.10
22 66 83 16-0009	EA	200 Gallon Capacity Polyethylene Acid Neutralization Tank	2,552.93	950.13
22 66 83 16-0010	EA	275 Gallon Capacity Polyethylene Acid Neutralization Tank	3,297.35	1,140.15
22 66 83 16-0011	EA	350 Gallon Capacity Polyethylene Acid Neutralization Tank	3,757.28	1,368.18
22 66 83 16-0012		**Polypropylene Acid Neutralization Tank** *(22 66 83 16-0001)*		
22 66 83 16-0013	EA	5 Gallon Capacity Polypropylene Acid Neutralization Tank	702.34	190.03
22 66 83 16-0014	EA	15 Gallon Capacity Polypropylene Acid Neutralization Tank	1,198.07	263.50
22 66 83 16-0015	EA	30 Gallon Capacity Polypropylene Acid Neutralization Tank	1,817.42	380.05
22 66 83 16-0016	EA	55 Gallon Capacity Polypropylene Acid Neutralization Tank	2,396.46	506.74
22 66 83 16-0017	EA	100 Gallon Capacity Polypropylene Acid Neutralization Tank	3,023.90	608.08
22 66 83 16-0018	EA	150 Gallon Capacity Polypropylene Acid Neutralization Tank	3,612.14	760.10
22 66 83 16-0019	EA	200 Gallon Capacity Polypropylene Acid Neutralization Tank	3,959.06	950.13
22 66 83 16-0020	EA	275 Gallon Capacity Polypropylene Acid Neutralization Tank	5,752.61	1,140.15
22 66 83 16-0021	EA	350 Gallon Capacity Polypropylene Acid Neutralization Tank	6,245.27	1,368.18

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
22 66 83 16-0022		**Chemical Dilution Trap** *(22 66 83 16)*		
22 66 83 16-0023	EA	1 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	363.98	63.35
22 66 83 16-0024	EA	1-1/2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	374.78	63.35
22 66 83 16-0025	EA	2 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	385.58	63.35
22 66 83 16-0026	EA	5 Gallon Capacity Polyethylene Under Bench Chemical Dilution Trap Note: 1-1/2" top inlet and side outlet with anti siphon.	425.21	76.01

END OF SECTION 22

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 Heating, Ventilating, and Air-Conditioning (HVAC)

Note: Where required, mechanical equipment excludes electrical connection unless title states otherwise. HVAC equipment shall conform to California Title 24.

23 01 Operation and Maintenance of HVAC Systems *(23)*

23 01 10 Operation and Maintenance of Facility Fuel Systems *(23 01)*

23 01 10 91 Facility Fuel Systems Restoration *(23 01 10)*

23 01 10 91-0001 Purge Gas Systems *(23 01 10 91)*

Note: Includes collection and refilling/bleeding of system. For natural gas, flammable gases and other gases that should not be released inside the building. See CSI section 23 01 60 71-0001 for refrigerant.

23 01 10 91-0002	EA	Up To 100', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	468.06	
23 01 10 91-0003	EA	>100' To 250', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	668.45	
23 01 10 91-0004	EA	>250' To 500', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	701.83	
23 01 10 91-0005	EA	>500' To 1,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	773.57	
23 01 10 91-0006	EA	>1,000' To 2,000', Up To 1-1/2" Diameter Pipe, Purge Gas Systems	1,400.85	
23 01 10 91-0007	EA	Up To 100', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	628.57	
23 01 10 91-0008	EA	>100' To 250', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	902.33	
23 01 10 91-0009	EA	>250' To 500', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	953.55	
23 01 10 91-0010	EA	>500' To 1,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,063.24	
23 01 10 91-0011	EA	>1,000' To 2,000', >1-/2" To 4" Diameter Pipe, Purge Gas Systems	1,931.39	
23 01 10 91-0012	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Gas Systems	740.85	
23 01 10 91-0013	EA	>100' To 250', >4" To 10" Diameter Pipe, Purge Gas Systems	1,085.25	
23 01 10 91-0014	EA	>250' To 500', >4" To 10" Diameter Pipe, Purge Gas Systems	2,515.50	
23 01 10 91-0015	EA	>500' To 1,000', >4" To 10" Diameter Pipe, Purge Gas Systems	3,917.88	
23 01 10 91-0016	EA	>1,000' To 2,000', >4" To 10" Diameter Pipe, Purge Gas Systems	7,356.64	

23 01 20 Operation and Maintenance of HVAC Piping and Pumps *(23 01)*

23 01 20 91 HVAC Piping and Pumps Restoration *(23 01 20)*

23 01 20 91-0001 Lock Out/Tag Out System *(23 01 20 91)*

23 01 20 91-0002	EA	Up To 1", Lock Out/Tag Out Valve	25.34	
23 01 20 91-0003	EA	>1" To 3", Lock Out/Tag Out Valve	30.41	
23 01 20 91-0004	EA	>3" To 6", Lock Out/Tag Out Valve	35.48	
23 01 20 91-0005	EA	>6" To 10", Lock Out/Tag Out Valve	40.54	
23 01 20 91-0006	EA	>10" To 14", Lock Out/Tag Out Valve	50.68	
23 01 20 91-0007	EA	Lock Out/Tag Out Padlock System	20.27	
23 01 20 91-0008	EA	Lock Out/Tag Out Tag	3.15	

23 01 20 91-0009 Freeze Pipe Using CO2 Kit *(23 01 20 91)*

Note: For use on chilled water or cold water piping systems. Excludes cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0010	EA	Up To 2" Freeze Pipe Using CO2 Kit	271.36	

23 01 20 91-0011 Pipe Freezing *(23 01 20 91)*

Note: For use on any water piping systems. Excludes excavation, cutting existing pipe, and installation of valve or fittings.

23 01 20 91-0012	EA	Up To 1" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	706.00	
23 01 20 91-0013	EA	Up To 1" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	320.00	
23 01 20 91-0014	EA	>1" To 1-1/2" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	858.63	
23 01 20 91-0015	EA	>1" To 1-1/2" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	367.63	
23 01 20 91-0016	EA	>1-1/2" To 2" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,211.38	
23 01 20 91-0017	EA	>1-1/2" To 2" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	415.38	
23 01 20 91-0018	EA	>2" To 3" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	1,384.00	
23 01 20 91-0019	EA	>2" To 3" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	497.00	
23 01 20 91-0020	EA	>3" To 4" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	2,075.50	
23 01 20 91-0021	EA	>3" To 4" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	571.50	
23 01 20 91-0022	EA	>4" To 6" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	4,452.00	
23 01 20 91-0023	EA	>4" To 6" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	786.00	
23 01 20 91-0024	EA	>6" To 8" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	5,922.19	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 20 91-0025	EA	>6" To 8" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,187.19	
23 01 20 91-0026	EA	>8" To 10" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	8,208.24	
23 01 20 91-0027	EA	>8" To 10" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	1,653.24	
23 01 20 91-0028	EA	>10" To 12" Pipe Freezing, First Location Note: Includes freezing on each side of valve or fitting.	10,599.00	
23 01 20 91-0029	EA	>10" To 12" Pipe Freezing, Each Additional Location After First Note: Includes freezing on each side of valve or fitting.	2,184.00	

23 01 20 91-0030 Water/Chlorine Pipe Disinfection/Flush/Testing *(23 01 20 91)*

Note: For existing piping when required. Water/chlorine solution per specification entitled "Water Distribution".

23 01 20 91-0031	LF	Up To 1", Water/Chlorine Pipe Disinfection/Flush/Testing	1.67	
23 01 20 91-0032	LF	>1" To 2", Water/Chlorine Pipe Disinfection/Flush/Testing	2.30	
23 01 20 91-0033	LF	>2" To 3", Water/Chlorine Pipe Disinfection/Flush/Testing	3.53	
23 01 20 91-0034	LF	4", Water/Chlorine Pipe Disinfection/Flush/Testing	4.87	
23 01 20 91-0035	LF	6", Water/Chlorine Pipe Disinfection/Flush/Testing	6.00	
23 01 20 91-0036	LF	8", Water/Chlorine Pipe Disinfection/Flush/Testing	7.58	
23 01 20 91-0037	LF	10", Water/Chlorine Pipe Disinfection/Flush/Testing	9.99	
23 01 20 91-0038	LF	12", Water/Chlorine Pipe Disinfection/Flush/Testing	11.99	

23 01 20 91-0039 Shut Down Existing Piping System *(23 01 20 91)*

23 01 20 91-0040	EA	Shut Down Existing Interior Piping System Note: Includes lock out/tag out and average line tracing. Use when valves are greater than 25' from work. When the shut-off valves for multiple lines are located with a 10' radius, the quantity used shall be one.	205.77	

23 01 20 91-0041 Purge Liquid Systems *(23 01 20 91)*

Note: Includes collection of liquid, refilling with liquid and bleeding of air from system.

23 01 20 91-0042	EA	Up To 50', Up To 3/4" Diameter Pipe, Purge Liquid System	160.21	
23 01 20 91-0043	EA	>50' To 100', Up To 3/4" Diameter Pipe, Purge Liquid System	200.26	
23 01 20 91-0044	EA	>100 To 250', Up To 3/4" Diameter Pipe, Purge Liquid System	285.82	
23 01 20 91-0045	EA	>250 To 500', Up To 3/4" Diameter Pipe, Purge Liquid System	342.50	
23 01 20 91-0046	EA	>500 To 1,000', Up To 3/4" Diameter Pipe, Purge Liquid System	362.08	
23 01 20 91-0047	EA	>1,000 To 2,000', Up To 3/4" Diameter Pipe, Purge Liquid System	691.30	
23 01 20 91-0048	EA	Up To 100', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	333.62	
23 01 20 91-0049	EA	>100 To 250', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	476.47	
23 01 20 91-0050	EA	>250 To 500', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	570.91	
23 01 20 91-0051	EA	>500 To 1,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	603.53	
23 01 20 91-0052	EA	>1,000 To 2,000', >3/4" To 1-1/2" Diameter Pipe, Purge Liquid System	1,152.20	
23 01 20 91-0053	EA	Up To 100', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	444.08	
23 01 20 91-0054	EA	>100 To 250', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	633.71	
23 01 20 91-0055	EA	>250 To 500', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	754.42	
23 01 20 91-0056	EA	>500 To 1,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	802.17	
23 01 20 91-0057	EA	>1,000 To 2,000', >1-1/2" To 4" Diameter Pipe, Purge Liquid System	1,545.64	
23 01 20 91-0058	EA	Up To 100', >4" To 10" Diameter Pipe, Purge Liquid System	547.48	
23 01 20 91-0059	EA	>100 To 250', >4" To 10" Diameter Pipe, Purge Liquid System	782.36	
23 01 20 91-0060	EA	>250 To 500', >4" To 10" Diameter Pipe, Purge Liquid System	2,163.71	
23 01 20 91-0061	EA	>1,000 To 2,000', >4" To 10" Diameter Pipe, Purge Liquid System	3,433.71	

23 01 20 91-0062 Add-A-Valve Emergency Shut Off Device *(23 01 20 91)*

23 01 20 91-0063	EA	1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-103ADD)	261.46	
23 01 20 91-0064	EA	3/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-104ADD)	328.68	
23 01 20 91-0065	EA	1" Add-A-Valve Emergency Shut Off Device (Jomar 800-105ADD)	453.10	
23 01 20 91-0066	EA	1-1/4" Add-A-Valve Emergency Shut Off Device (Jomar 800-106ADD)	688.38	
23 01 20 91-0067	EA	1-1/2" Add-A-Valve Emergency Shut Off Device (Jomar 800-107ADD)	848.35	
23 01 20 91-0068	EA	2" Add-A-Valve Emergency Shut Off Device (Jomar 800-108ADD)	1,274.73	

23 01 30 Operation and Maintenance of HVAC Air Distribution *(23 01)*

23 01 30 51 HVAC Air-Distribution System Cleaning *(23 01 30)*

23 01 30 51-0001 Cleaning Of Ductwork And HVAC Equipment *(23 01 30 51)*

23 01 30 51-0002	LF	Up To 2 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	3.02	
		For Exhaust Ductwork, Add	*0.76*	
23 01 30 51-0003	LF	>2 SF To 4 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	3.79	
		For Exhaust Ductwork, Add	*0.95*	
23 01 30 51-0004	LF	>4 SF To 8 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	5.07	
		For Exhaust Ductwork, Add	*1.27*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 30 51-0005	LF	>8 SF Cross Section, Clean Supply/Return Ductwork Note: Includes sealing registers, grilles, diffusers as required. Excludes cleaning of registers, grilles, diffusers, or other devices.	7.18	
		For Exhaust Ductwork, Add	*1.80*	
23 01 30 51-0006	SF	Clean Duct Dampers	10.17	
23 01 30 51-0007	SF	Clean Duct Fire Dampers	20.34	
23 01 30 51-0008	SF	Clean Louver	8.14	
23 01 30 51-0009	EA	Clean Turning Vane Set	24.42	
23 01 30 51-0010	EA	Clean Grille/Diffuser/Register Note: Includes removal and reinstallation.	24.42	
23 01 30 51-0011	LF	Clean Linear Diffuser Note: Includes removal and reinstallation.	6.10	
23 01 30 51-0012	EA	Cut Access For Cleaning Duct And Install Duct Insulated Access Doors	98.79	
		For Stainless Steel, Add	*87.98*	
23 01 30 51-0013	EA	Clean Variable Air Volume (VAV) Unit	73.24	
23 01 30 51-0014	EA	Clean Fan Powered Induction Unit (PIU) Unit	97.65	
23 01 30 51-0015	EA	Clean Fan Coil Unit (FCU)	97.65	
23 01 30 51-0016	EA	Clean Packaged Terminal Air Conditioning Unit	97.65	
23 01 30 51-0017	EA	Clean Supply Or Return Fan	195.30	
23 01 30 51-0018	EA	Clean Exhaust Fan	170.90	
23 01 30 51-0019	EA	Clean Duct Coil	146.48	
23 01 30 51-0020	SF	Clean Air Handling Unit Interior Housing With High Efficiency Particulate Air (HEPA) Vacuum Note: Excluding fan and coils.	4.88	
23 01 30 51-0021	EA	Clean Air Handling Unit Fan	195.30	
23 01 30 51-0022	EA	Clean Air Handling Unit Coil	292.96	
23 01 30 51-0023	SF	Clean Equipment Surfaces, Rust Reform And Prime	2.54	
23 01 30 51-0024	SF	Clean Interior Equipment Surfaces, Rust Reform And Prime	3.02	
23 01 30 51-0025	SF	High Efficiency Particulate Air (HEPA) Vacuuming Of Walls, Ceilings And Floors In Mechanical Rooms	0.62	
23 01 30 51-0026	EA	Cleaning Of Ductwork Minimum Set-up Charge Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.	715.39	
23 01 30 51-0027	SF	Apply Antimicrobial Agent To Ductwork And Surfaces After Cleaning	0.43	

23 01 30 61 HVAC Air-Distribution Duct Repair *(23 01 30)*

23 01 30 61-0001 Repair And Seal Ductwork *(23 01 30 61)*

Note: Includes removal of existing insulation, repair/seal ductwork with Duct Sealer and reinstallation of insulation. Excludes new ductwork.

23 01 30 61-0002	SF	Repair And Sealing Of Ductwork Note: Clean, apply sealant and tape	1.70	

23 01 50 Operation and Maintenance of Central Heating Equipment *(23 01)*

23 01 50 61 Central Heating Equipment Repair *(23 01 50)*

23 01 50 61-0001 Boiler Repairs *(23 01 50 61)*

23 01 50 61-0002 Setup And Maintenance *(23 01 50 61-0001)*

23 01 50 61-0003	EA	Set-up Charge For Boiler Fire Side Maintenance Note: Includes removing/relocating doors, plates, portals, and burners required to access fireside.	2,226.48	
23 01 50 61-0004	EA	Close-up Charge For Boiler Fire Side Maintenance Note: Includes replacement of doors, plates, portals, burners, adhesive, rope, wool, and seals.	2,377.43	
		For Burner Seals, Add *Note: Used when burner must be removed from door for maintenance.*	*622.65*	
23 01 50 61-0005	EA	Setup Charge For Boiler Water Side Maintenance Note: Includes closing valves, draining, and positioning equipment needed for tube replacement.	2,968.65	
23 01 50 61-0006	EA	Up To 100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	1,484.32	
23 01 50 61-0007	EA	>100 HP, Hydrostatic Test - Boiler Maintenance Note: Includes close-up charge for water side maintenance, blanking off supply, return, and relief valves for test and reconnection after test.	2,968.65	
23 01 50 61-0008	EA	Removal And Replacement Of Handhole	92.77	
23 01 50 61-0009	EA	Removal And Replacement Of Manhole	278.31	
23 01 50 61-0010	SF	Sheet Metal Jacket Patch	10.38	

23 01 50 61-0011 Boiler Tube Replacement *(23 01 50 61-0001)*

23 01 50 61-0012	EA	Removal Of Up To 2" Boiler Tube	222.64	
23 01 50 61-0013	EA	Removal Of >2" To 3" Boiler Tube	278.32	
23 01 50 61-0014	EA	Removal Of >3" To 4" Boiler Tube	389.63	
23 01 50 61-0015	LF	Place 1-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	6.78	
23 01 50 61-0016	LF	Place 2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	7.86	
23 01 50 61-0017	LF	Place 2-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	8.92	
23 01 50 61-0018	LF	Place 3" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	12.48	
23 01 50 61-0019	LF	Place 3-1/2" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	14.53	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 01 50 61-0020	LF	Place 4" Boiler Tube Into Position For Termination Note: Includes black steel tube, fasteners and accessories.	18.38	
23 01 50 61-0021	EA	1-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	27.83	
23 01 50 61-0022	EA	2" Rolled Boiler Tube Termination (2 Per New Tube)	41.74	
23 01 50 61-0023	EA	2-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	55.66	
23 01 50 61-0024	EA	3" Rolled Boiler Tube Termination (2 Per New Tube)	69.58	
23 01 50 61-0025	EA	3-1/2" Rolled Boiler Tube Termination (2 Per New Tube)	83.50	
23 01 50 61-0026	EA	4" Rolled Boiler Tube Termination (2 Per New Tube)	97.41	
23 01 50 61-0027	EA	1-1/2" Welded Boiler Tube Termination (2 Per New Tube)	83.50	
23 01 50 61-0028	EA	2" Welded Boiler Tube Termination (2 Per New Tube)	111.33	
23 01 50 61-0029	EA	2-1/2" Welded Boiler Tube Termination (2 Per New Tube)	139.16	
23 01 50 61-0030	EA	3" Welded Boiler Tube Termination (2 Per New Tube)	166.98	
23 01 50 61-0031	EA	3-1/2" Welded Boiler Tube Termination (2 Per New Tube)	194.81	
23 01 50 61-0032	EA	4" Welded Boiler Tube Termination (2 Per New Tube)	222.64	
23 01 50 61-0033	EA	Plug Boiler Tube Hole Where Boiler Tube Is Not Replaced	272.19	

23 01 50 61-0034 Cast Iron Boiler Section Replacement *(23 01 50 61-0001)*

23 01 50 61-0035	EA	Removal And Replacement Of Front Section Of Weil McLain Model 80 Cast Iron Boiler	2,417.73	
23 01 50 61-0036	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 80 Cast Iron Boiler	1,650.36	
23 01 50 61-0037	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 80 Cast Iron Boiler	2,099.87	
23 01 50 61-0038	EA	Removal And Replacement Of Front Section Of Weil McLain Model 88 Cast Iron Boiler	4,426.31	
23 01 50 61-0039	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 88 Cast Iron Boiler	3,238.65	
23 01 50 61-0040	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 88 Cast Iron Boiler	3,818.33	
23 01 50 61-0041	EA	Removal And Replacement Of Front Section Of Weil McLain Model 94 Cast Iron Boiler	7,148.33	
23 01 50 61-0042	EA	Removal And Replacement Of Rear Section Of Weil McLain Model 94 Cast Iron Boiler	5,522.60	
23 01 50 61-0043	EA	Removal And Replacement Of Inside Section Of Weil McLain Model 94 Cast Iron Boiler	5,993.16	

23 01 50 61-0044 Cast Iron Grate Replacement *(23 01 50 61-0001)*

23 01 50 61-0045	SF	Removal And Replacement Of Cast Iron Boiler Grates, Prepared From Casting Mold Note: Includes support, linkages and removal of existing.	102.05	
23 01 50 61-0046	EA	Prepare Cast Iron Boiler Grate Mold Note: Includes preparing unique size mold for grate casting. Mold to be used for multiple castings.	1,382.32	

23 01 50 61-0047 Replacement Or Conversion Of Boiler Burners *(23 01 50 61-0001)*

Note: Includes mounting plate, mechanical and electrical labor for installation of burners.

23 01 50 61-0048	EA	700 MBH Max Input Burner With 2" Boiler Connection, Screwed	7,230.88	994.88
23 01 50 61-0049	EA	2,100 MBH Max Input Burner With 2-1/2" Boiler Connection, Screwed	10,362.16	1,231.73
23 01 50 61-0050	EA	2,800 MBH Max Input Burner With 3" Boiler Connection, Screwed	12,252.69	1,492.21
23 01 50 61-0051	EA	3,800 MBH Max Input Burner With 4" Boiler Connection, Flanged	14,399.83	1,606.24

23 01 50 61-0052 Video Inspection Of Boiler Tubing *(23 01 50 61-0001)*

23 01 50 61-0053	EA	Initial Set Up For Boiler Tubing Video Camera Inspection	423.05	
23 01 50 61-0054	LF	Boiler Tubing Inspection	0.52	

23 01 50 61-0055 Boiler And Chiller Water Treatment *(23 01 50 61)*

Note: 3 LB chemical per 50 gallon system water.

23 01 50 61-0056	LB	Boil Out Boiler And System With Caustic Soda Note: Includes disposal after treatment.	1.08	
23 01 50 61-0057	LB	Boil Out Boiler And System With Trisodium Phosphate Note: Includes disposal after treatment.	1.62	
23 01 50 61-0058	GAL	Corrosion Resistant Chemical Treatment, Based On Gallons Of Chemical Required	101.05	

23 01 60 Operation and Maintenance of Central Cooling Equipment *(23 01)*

23 01 60 71 Refrigerant Recovery/Recycling *(23 01 60)*

23 01 60 71-0001 Refrigerant Recovery, Reclaim And Recycling *(23 01 60 71)*

23 01 60 71-0002	LB	Recovery Of Refrigerant	7.94	
23 01 60 71-0003	LB	Recovery And Recharging Of Refrigerant Note: Includes cleaning refrigerant gas prior to recharging.	14.89	

23 05 Common Work Results for HVAC *(23)*

23 05 13 Common Motor Requirements for HVAC Equipment *(23 05)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor.

23 05 13 00-0001 Premium Efficient, Motors *(23 05 13)*

Note: New equipment includes motor, unless otherwise stated. For use when replacing existing motor. Excludes installation.

23 05 13 00-0002 Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, open drip proof, three phase AC motors.

23 05 13 00-0003 Steel Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0004	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	613.18	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0005	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	694.31	
23 05 13 00-0006	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	814.02	
23 05 13 00-0007	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	683.67	
23 05 13 00-0008	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	726.23	
23 05 13 00-0009	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	952.35	
23 05 13 00-0010	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	803.38	
23 05 13 00-0011	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	778.11	
23 05 13 00-0012	EA	2 HP, 1,200 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	973.63	
23 05 13 00-0013	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	814.02	
23 05 13 00-0014	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	839.29	
23 05 13 00-0015	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,239.65	
23 05 13 00-0016	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	888.51	
23 05 13 00-0017	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	919.10	
23 05 13 00-0018	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,624.05	
23 05 13 00-0019	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,409.91	
23 05 13 00-0020	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,351.38	
23 05 13 00-0021	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,947.27	
23 05 13 00-0022	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,612.08	
23 05 13 00-0023	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	1,636.02	
23 05 13 00-0024	EA	10 HP, 1,200 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,533.84	
23 05 13 00-0025	EA	15 HP, 3,600 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,290.43	
23 05 13 00-0026	EA	15 HP, 1,800 RPM, 254T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,317.03	
23 05 13 00-0027	EA	15 HP, 1,200 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,417.03	
23 05 13 00-0028	EA	20 HP, 3,600 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,690.79	
23 05 13 00-0029	EA	20 HP, 1,800 RPM, 256T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	2,908.93	
23 05 13 00-0030	EA	20 HP, 1,200 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,159.22	
23 05 13 00-0031	EA	25 HP, 3,600 RPM, 284TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,230.81	
23 05 13 00-0032	EA	25 HP, 1,800 RPM, 284T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,546.05	
23 05 13 00-0033	EA	25 HP, 1,200 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,023.79	
23 05 13 00-0034	EA	30 HP, 3,600 RPM, 286TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,812.07	
23 05 13 00-0035	EA	30 HP, 1,800 RPM, 286T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	3,877.24	
23 05 13 00-0036	EA	30 HP, 1,200 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,240.59	
23 05 13 00-0037	EA	40 HP, 3,600 RPM, 324TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	4,912.06	
23 05 13 00-0038	EA	40 HP, 1,800 RPM, 324T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,058.37	
23 05 13 00-0039	EA	50 HP, 3,600 RPM, 326TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,349.66	
23 05 13 00-0040	EA	50 HP, 1,800 RPM, 326T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	5,582.43	
23 05 13 00-0041	EA	60 HP, 3,600 RPM, 364TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	6,768.88	
23 05 13 00-0042	EA	60 HP, 1,800 RPM, 364T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	7,028.25	
23 05 13 00-0043	EA	75 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,879.75	
23 05 13 00-0044	EA	75 HP, 1,800 RPM, 365T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	8,627.03	
23 05 13 00-0045	EA	100 HP, 3,600 RPM, 365TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	9,491.59	
23 05 13 00-0046	EA	100 HP, 1,800 RPM, 404T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	10,036.93	
23 05 13 00-0047	EA	125 HP, 3,600 RPM, 404TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	11,912.38	
23 05 13 00-0048	EA	125 HP, 1,800 RPM, 405T NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	12,312.74	
23 05 13 00-0049	EA	150 HP, 3,600 RPM, 405TS NEMA Steel Frame, Premium Efficient, Open Drip Proof Motor	14,694.94	

23 05 13 00-0050 Cast Iron Frame, Premium Efficient, Open Drip Proof Motors *(23 05 13 00-0002)*

23 05 13 00-0051	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	7,465.85	
23 05 13 00-0052	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	9,038.03	
23 05 13 00-0053	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	11,474.77	
23 05 13 00-0054	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	12,775.61	
23 05 13 00-0055	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	14,061.82	
23 05 13 00-0056	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	15,185.75	
23 05 13 00-0057	EA	150 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	13,677.42	
23 05 13 00-0058	EA	150 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,884.52	
23 05 13 00-0059	EA	200 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	16,652.85	
23 05 13 00-0060	EA	200 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	17,091.78	
23 05 13 00-0061	EA	200 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Open Drip Proof Motor	23,509.52	

23 05 13 00-0062 Premium Efficient, TEFC Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, totally enclosed fan cooled, three phase AC motors.

23 05 13 00-0063 Steel Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0064	EA	1 HP, 3,600 RPM, 56 NEMA Steel Frame, Premium Efficient, TEFC Motor	716.92	
23 05 13 00-0065	EA	1 HP, 1,800 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	790.08	
23 05 13 00-0066	EA	1 HP, 1,200 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	940.38	
23 05 13 00-0067	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Steel Frame, Premium Efficient, TEFC Motor	812.69	
23 05 13 00-0068	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	820.67	
23 05 13 00-0069	EA	2 HP, 3,600 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	889.84	
23 05 13 00-0070	EA	2 HP, 1,800 RPM, 145T NEMA Steel Frame, Premium Efficient, TEFC Motor	851.26	
23 05 13 00-0071	EA	3 HP, 3,600 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	986.93	
23 05 13 00-0072	EA	3 HP, 1,800 RPM, 182T NEMA Steel Frame, Premium Efficient, TEFC Motor	940.38	
23 05 13 00-0073	EA	3 HP, 1,200 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,509.66	
23 05 13 00-0074	EA	5 HP, 3,600 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,094.67	
23 05 13 00-0075	EA	5 HP, 1,800 RPM, 184T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,029.50	
23 05 13 00-0076	EA	5 HP, 1,200 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,705.19	
23 05 13 00-0077	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,640.01	
23 05 13 00-0078	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,484.39	
23 05 13 00-0079	EA	10 HP, 3,600 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,662.62	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0080	EA	10 HP, 1,800 RPM, 215T NEMA Steel Frame, Premium Efficient, TEFC Motor	1,675.93	

23 05 13 00-0081 Cast Iron Frame, Premium Efficient, TEFC Motors *(23 05 13 00-0062)*

23 05 13 00-0082	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,022.85	
23 05 13 00-0083	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,145.22	
23 05 13 00-0084	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,080.04	
23 05 13 00-0085	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,060.09	
23 05 13 00-0086	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,363.35	
23 05 13 00-0087	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,135.91	
23 05 13 00-0088	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,110.63	
23 05 13 00-0089	EA	2 HP, 1,200 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,384.63	
23 05 13 00-0090	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,226.35	
23 05 13 00-0091	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,260.93	
23 05 13 00-0092	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,725.14	
23 05 13 00-0093	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,509.66	
23 05 13 00-0094	EA	5 HP, 1,800 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,262.26	
23 05 13 00-0095	EA	5 HP, 1,200 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,001.80	
23 05 13 00-0096	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,747.75	
23 05 13 00-0097	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,683.91	
23 05 13 00-0098	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,854.39	
23 05 13 00-0099	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,048.35	
23 05 13 00-0100	EA	10 HP, 1,800 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	1,888.74	
23 05 13 00-0101	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,258.74	
23 05 13 00-0102	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,822.47	
23 05 13 00-0103	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	2,583.05	
23 05 13 00-0104	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,346.77	
23 05 13 00-0105	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,097.80	
23 05 13 00-0106	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	3,132.39	
23 05 13 00-0107	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	5,787.27	
23 05 13 00-0108	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,042.17	
23 05 13 00-0109	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,096.71	
23 05 13 00-0110	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,548.08	
23 05 13 00-0111	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,802.99	
23 05 13 00-0112	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	4,860.19	
23 05 13 00-0113	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,564.28	
23 05 13 00-0114	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,584.00	
23 05 13 00-0115	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,355.22	
23 05 13 00-0116	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,426.42	
23 05 13 00-0117	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	7,202.49	
23 05 13 00-0118	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	6,945.78	
23 05 13 00-0119	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,390.98	
23 05 13 00-0120	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	10,118.07	
23 05 13 00-0121	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	9,994.37	
23 05 13 00-0122	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	13,826.39	
23 05 13 00-0123	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,771.38	
23 05 13 00-0124	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	11,686.26	
23 05 13 00-0125	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	16,100.86	
23 05 13 00-0126	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	14,512.72	
23 05 13 00-0127	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	17,966.99	
23 05 13 00-0128	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	20,667.09	
23 05 13 00-0129	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, TEFC Motor	25,974.19	

23 05 13 00-0130 Premium Efficient, Severe Duty Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, TEFC enclosure severe duty, three phase AC motors.

23 05 13 00-0131	EA	1 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,062.75	
23 05 13 00-0132	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,167.83	
23 05 13 00-0133	EA	1 HP, 1,200 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,290.20	
23 05 13 00-0134	EA	1 HP, 900 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,812.93	
23 05 13 00-0135	EA	1-1/2 HP, 3,600 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,209.06	
23 05 13 00-0136	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,190.44	
23 05 13 00-0137	EA	1-1/2 HP, 1,200 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,509.66	
23 05 13 00-0138	EA	1-1/2 HP, 900 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,255.85	
23 05 13 00-0139	EA	2 HP, 3,600 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,264.93	
23 05 13 00-0140	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,242.31	
23 05 13 00-0141	EA	2 HP, 1,200 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,529.62	
23 05 13 00-0142	EA	2 HP, 900 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,845.08	
23 05 13 00-0143	EA	3 HP, 3,600 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,496.36	
23 05 13 00-0144	EA	3 HP, 1,800 RPM, 182T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,572.18	
23 05 13 00-0145	EA	3 HP, 1,200 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,207.97	
23 05 13 00-0146	EA	3 HP, 900 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,085.83	
23 05 13 00-0147	EA	5 HP, 3,600 RPM, 184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,840.86	
23 05 13 00-0148	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	1,600.11	
23 05 13 00-0149	EA	5 HP, 1,200 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,237.23	
23 05 13 00-0150	EA	5 HP, 900 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,912.06	
23 05 13 00-0151	EA	7-1/2 HP, 3,600 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,402.16	
23 05 13 00-0152	EA	7-1/2 HP, 1,800 RPM, L213T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,015.10	
23 05 13 00-0153	EA	7-1/2 HP, 1,200 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,201.55	
23 05 13 00-0154	EA	7-1/2 HP, 900 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,617.01	
23 05 13 00-0155	EA	10 HP, 3,600 RPM, 215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,557.78	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0156	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	2,412.80	
23 05 13 00-0157	EA	10 HP, 1,200 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,159.22	
23 05 13 00-0158	EA	10 HP, 900 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,552.07	
23 05 13 00-0159	EA	15 HP, 3,600 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,272.05	
23 05 13 00-0160	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,073.86	
23 05 13 00-0161	EA	15 HP, 1,200 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,768.41	
23 05 13 00-0162	EA	15 HP, 900 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,746.74	
23 05 13 00-0163	EA	20 HP, 3,600 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,817.39	
23 05 13 00-0164	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	3,297.32	
23 05 13 00-0165	EA	20 HP, 1,200 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,478.92	
23 05 13 00-0166	EA	20 HP, 900 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	9,971.76	
23 05 13 00-0167	EA	25 HP, 3,600 RPM, 284TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,587.51	
23 05 13 00-0168	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	4,314.84	
23 05 13 00-0169	EA	25 HP, 1,200 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,770.21	
23 05 13 00-0170	EA	30 HP, 3,600 RPM, 286TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,593.07	
23 05 13 00-0171	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	5,123.55	
23 05 13 00-0172	EA	30 HP, 1,200 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,728.12	
23 05 13 00-0173	EA	40 HP, 3,600 RPM, 324TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,683.99	
23 05 13 00-0174	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	6,703.70	
23 05 13 00-0175	EA	40 HP, 1,200 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,878.89	
23 05 13 00-0176	EA	50 HP, 3,600 RPM, 326TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	8,052.43	
23 05 13 00-0177	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	7,868.87	
23 05 13 00-0178	EA	50 HP, 1,200 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,587.83	
23 05 13 00-0179	EA	60 HP, 3,600 RPM, 364TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	11,686.26	
23 05 13 00-0180	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	10,546.36	
23 05 13 00-0181	EA	60 HP, 1,200 RPM, 404T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	15,828.19	
23 05 13 00-0182	EA	75 HP, 3,600 RPM, 365TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	13,064.24	
23 05 13 00-0183	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	12,323.38	
23 05 13 00-0184	EA	75 HP, 1,200 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	19,263.84	
23 05 13 00-0185	EA	100 HP, 3,600 RPM, 405TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,421.41	
23 05 13 00-0186	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	16,176.68	
23 05 13 00-0187	EA	100 HP, 1,200 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	21,188.49	
23 05 13 00-0188	EA	125 HP, 3,600 RPM, 444TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	19,295.76	
23 05 13 00-0189	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	19,124.18	
23 05 13 00-0190	EA	125 HP, 1,200 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	23,936.48	
23 05 13 00-0191	EA	150 HP, 3,600 RPM, 445TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,621.01	
23 05 13 00-0192	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	22,404.20	
23 05 13 00-0193	EA	150 HP, 1,200 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,987.73	
23 05 13 00-0194	EA	200 HP, 3,600 RPM, 447TS NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,786.88	
23 05 13 00-0195	EA	200 HP, 1,800 RPM, 447T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	26,951.82	
23 05 13 00-0196	EA	200 HP, 1,200 RPM, 449T NEMA Cast Iron Frame, Premium Efficient, Severe Duty Motor	35,351.40	

23 05 13 00-0197 Premium Efficient, Explosion Proof Motors *(23 05 13 00-0001)*

Note: NEMA premium efficiency, explosion proof, three phase AC motors.

23 05 13 00-0198	EA	1 HP, 1,800 RPM, 143T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,417.89	
23 05 13 00-0199	EA	1-1/2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,468.43	
23 05 13 00-0200	EA	2 HP, 1,800 RPM, 145T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,601.44	
23 05 13 00-0201	EA	3 HP, 1,800 RPM, L182T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	1,979.19	
23 05 13 00-0202	EA	5 HP, 1,800 RPM, L184T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	2,194.66	
23 05 13 00-0203	EA	7-1/2 HP, 1,800 RPM, 213T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,024.65	
23 05 13 00-0204	EA	10 HP, 1,800 RPM, L215T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	3,087.16	
23 05 13 00-0205	EA	15 HP, 1,800 RPM, 254T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,179.17	
23 05 13 00-0206	EA	20 HP, 1,800 RPM, 256T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	4,764.42	
23 05 13 00-0207	EA	25 HP, 1,800 RPM, 284T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	6,259.45	
23 05 13 00-0208	EA	30 HP, 1,800 RPM, 286T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	7,025.59	
23 05 13 00-0209	EA	40 HP, 1,800 RPM, 324T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	9,187.00	
23 05 13 00-0210	EA	50 HP, 1,800 RPM, 326T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	10,346.85	
23 05 13 00-0211	EA	60 HP, 1,800 RPM, 364T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	14,474.15	
23 05 13 00-0212	EA	75 HP, 1,800 RPM, 365T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	16,992.03	
23 05 13 00-0213	EA	100 HP, 1,800 RPM, 405T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	20,699.02	
23 05 13 00-0214	EA	125 HP, 1,800 RPM, 444T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	27,054.23	
23 05 13 00-0215	EA	150 HP, 1,800 RPM, 445T NEMA Cast Iron Frame, Premium Efficient, Explosion Proof Motor	30,868.96	

23 05 13 00-0216 Motor Mounting *(23 05 13)*

Note: Includes handling and motor installation on mounting base. Excludes mounting base.

23 05 13 00-0217	EA	1/2 HP Motor Mounting	167.70	85.32
23 05 13 00-0218	EA	3/4 HP Motor Mounting	193.23	106.66
23 05 13 00-0219	EA	1 HP Motor Mounting	206.71	106.66
23 05 13 00-0220	EA	1-1/2 HP Motor Mounting	222.21	106.66
23 05 13 00-0221	EA	2 HP Motor Mounting	240.22	127.99
23 05 13 00-0222	EA	3 HP Motor Mounting	277.76	127.99
23 05 13 00-0223	EA	5 HP Motor Mounting	329.20	213.33
23 05 13 00-0224	EA	7-1/2 HP Motor Mounting	423.25	213.33
23 05 13 00-0225	EA	10 HP Motor Mounting	555.53	373.31
23 05 13 00-0226	EA	15 HP Motor Mounting	683.73	373.31
23 05 13 00-0227	EA	20 HP Motor Mounting	808.04	533.30
23 05 13 00-0228	EA	25 HP Motor Mounting	916.33	533.30
23 05 13 00-0229	EA	30 HP Motor Mounting	1,111.05	533.30
23 05 13 00-0230	EA	40 HP Motor Mounting	1,251.88	799.96

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 13 00-0231	EA	50 HP Motor Mounting	1,388.81	799.96
23 05 13 00-0232	EA	75 HP Motor Mounting	1,677.05	1,173.27
23 05 13 00-0233	EA	100 HP Motor Mounting	2,020.09	1,173.27
23 05 13 00-0234	EA	125 HP Motor Mounting	2,469.00	1,599.91
23 05 13 00-0235	EA	150 HP Motor Mounting	2,867.22	1,599.91
23 05 13 00-0236	EA	200 HP Motor Mounting	3,292.00	1,919.89

23 05 16 Expansion Fittings and Loops for HVAC Piping *(23 05)*

23 05 16 00-0001 Stainless Steel Bellows Type Expansion Joints *(23 05 16)*

Note: Includes internal sleeves and external covers.

23 05 16 00-0002 Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0003	EA	1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	187.35	81.73
		For 300 LB Rating, Add	*5.95*	
23 05 16 00-0004	EA	3/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	210.29	92.16
		For 300 LB Rating, Add	*6.52*	
23 05 16 00-0005	EA	1" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	245.24	105.65
		For 300 LB Rating, Add	*8.50*	
23 05 16 00-0006	EA	1-1/4" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	276.39	117.93
		For 300 LB Rating, Add	*10.20*	
23 05 16 00-0007	EA	1-1/2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	298.81	126.74
		For 300 LB Rating, Add	*11.33*	
23 05 16 00-0008	EA	2" Threaded, 150 LB, Stainless Steel Bellows Type Expansion Joint	345.80	149.15
		For 300 LB Rating, Add	*11.90*	

23 05 16 00-0009 Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0010	EA	1-1/4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	647.06	81.72
		For 300 LB Rating, Add	*136.39*	
23 05 16 00-0011	EA	1-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	704.10	98.07
		For 300 LB Rating, Add	*145.30*	
23 05 16 00-0012	EA	2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	736.98	124.50
		For 300 LB Rating, Add	*145.33*	
23 05 16 00-0013	EA	2-1/2" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	794.20	135.43
		For 300 LB Rating, Add	*156.10*	
23 05 16 00-0014	EA	3" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	873.43	158.78
		For 300 LB Rating, Add	*168.68*	
23 05 16 00-0015	EA	4" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,061.36	266.18
		For 300 LB Rating, Add	*181.95*	
23 05 16 00-0016	EA	5" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,450.11	292.44
		For 300 LB Rating, Add	*271.28*	
23 05 16 00-0017	EA	6" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,336.93	324.93
		For 300 LB Rating, Add	*232.33*	
23 05 16 00-0018	EA	8" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,720.33	415.19
		For 300 LB Rating, Add	*301.14*	
23 05 16 00-0019	EA	10" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,189.98	505.44
		For 300 LB Rating, Add	*389.55*	
23 05 16 00-0020	EA	12" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,880.26	382.87
		For 300 LB Rating, Add	*528.38*	
23 05 16 00-0021	EA	14" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,672.26	722.07
		For 300 LB Rating, Add	*692.42*	
23 05 16 00-0022	EA	16" Flanged, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,757.86	794.27
		For 300 LB Rating, Add	*941.26*	

23 05 16 00-0023 Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joints *(23 05 16 00-0001)*

Note: Carbon steel ends. Includes internal sleeves and external covers.

23 05 16 00-0024	EA	1-1/4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	662.25	112.08
		For 300 LB Rating, Add	*109.54*	
23 05 16 00-0025	EA	1-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	692.86	113.01
		For 300 LB Rating, Add	*116.71*	
23 05 16 00-0026	EA	2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	700.64	116.75
		For 300 LB Rating, Add	*116.73*	
23 05 16 00-0027	EA	2-1/2" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	756.41	127.30
		For 300 LB Rating, Add	*125.38*	
23 05 16 00-0028	EA	3" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	842.77	149.71
		For 300 LB Rating, Add	*135.76*	
23 05 16 00-0029	EA	4" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,180.21	298.13
		For 300 LB Rating, Add	*146.14*	
23 05 16 00-0030	EA	5" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,481.41	305.71
		For 300 LB Rating, Add	*217.89*	
23 05 16 00-0031	EA	6" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,422.87	338.47
		For 300 LB Rating, Add	*186.61*	
23 05 16 00-0032	EA	8" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	1,739.88	386.76
		For 300 LB Rating, Add	*241.88*	
23 05 16 00-0033	EA	10" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,197.33	473.85
		For 300 LB Rating, Add	*312.88*	
23 05 16 00-0034	EA	12" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	2,846.29	574.40
		For 300 LB Rating, Add	*424.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 16 00-0035	EA	14" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	3,480.72	584.87
		For 300 LB Rating, Add	*577.68*	
23 05 16 00-0036	EA	16" Butt Weld, 150 LB, Stainless Steel Bellows Type Expansion Joint	4,603.65	731.08
		For 300 LB Rating, Add	*785.29*	

23 05 17 Sleeves and Sleeve Seals for HVAC Piping *(23 05)*

23 05 17 00-0001 Wall Seals And Sleeves *(23 05 17)*

Note: Up to 12" walls. Excludes drilling hole.

23 05 17 00-0002 Ductile Iron Wall Sleeve *(23 05 17 00-0001)*

Note: Includes rubber gasket seal.

23 05 17 00-0003	EA	3" Ductile Iron Wall Sleeve With Rubber Gasket Seal	105.05	44.43
23 05 17 00-0004	EA	4" Ductile Iron Wall Sleeve With Rubber Gasket Seal	128.29	51.89
23 05 17 00-0005	EA	6" Ductile Iron Wall Sleeve With Rubber Gasket Seal	156.32	62.26
23 05 17 00-0006	EA	8" Ductile Iron Wall Sleeve With Rubber Gasket Seal	224.19	93.34
23 05 17 00-0007	EA	10" Ductile Iron Wall Sleeve With Rubber Gasket Seal	290.27	124.42
23 05 17 00-0008	EA	12" Ductile Iron Wall Sleeve With Rubber Gasket Seal	358.80	155.60

23 05 17 00-0009 Steel Pipe Sleeves *(23 05 17 00-0001)*

Note: Includes link seals 12" length.

23 05 17 00-0010	EA	2" Steel Pipe Sleeve With Link Seals	118.74	45.06
23 05 17 00-0011	EA	2-1/2" Steel Pipe Sleeve With Link Seals	144.41	48.85
23 05 17 00-0012	EA	3" Steel Pipe Sleeve With Link Seals	168.94	52.63
23 05 17 00-0013	EA	4" Steel Pipe Sleeve With Link Seals	208.35	63.15
23 05 17 00-0014	EA	6" Steel Pipe Sleeve With Link Seals	297.97	78.86
23 05 17 00-0015	EA	10" Steel Pipe Sleeve With Link Seals	504.53	94.67
23 05 17 00-0016	EA	13-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	595.24	118.34
23 05 17 00-0017	EA	17-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	787.62	145.60
23 05 17 00-0018	EA	23-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,070.98	189.34
23 05 17 00-0019	EA	29-1/4" Inside Diameter Steel Pipe Sleeve With Link Seals	1,182.26	236.67

23 05 19 Meters and Gages for HVAC Piping *(23 05)*

See CSI section 33 19 00 00-0000 for water utility service metering.

23 05 19 00-0001 Thermometers *(23 05 19)*

23 05 19 00-0002 Dial Type, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometers

(23 05 19 00-0001)

Note: Various ranges.

23 05 19 00-0003	EA	2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	101.77	32.45
23 05 19 00-0004	EA	2-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	120.13	32.45
23 05 19 00-0005	EA	3-1/2" Diameter Dial, Bi-Metal, 4" To 9" Stem, Steel Case, Brass Stem, Thermometer	120.13	32.45

23 05 19 00-0006 Liquid Filled Industrial Union Connection Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges.

23 05 19 00-0007	EA	7" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	138.49	32.45
23 05 19 00-0008	EA	9" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	138.49	32.45
23 05 19 00-0009	EA	12" Scale, Angle Stem, Liquid Filled Industrial Union Connection Type Thermometer	176.89	32.45
23 05 19 00-0010	EA	7" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	143.50	32.45
23 05 19 00-0011	EA	9" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	151.85	32.45
23 05 19 00-0012	EA	12" Scale, Straight Stem, Liquid Filled Industrial Union Connection Type Thermometer	181.90	32.45

23 05 19 00-0013 Liquid Filled Industrial Separable Socket Type Thermometers *(23 05 19 00-0001)*

Note: Various ranges. Socket connection for thermowell.

23 05 19 00-0014	EA	7" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	138.49	32.45
23 05 19 00-0015	EA	9" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	138.49	32.45
23 05 19 00-0016	EA	12" Scale, Angle Stem, Liquid Filled Industrial Separable Socket Type Thermometer	176.89	32.45
23 05 19 00-0017	EA	7" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	160.20	32.45
23 05 19 00-0018	EA	9" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	176.89	32.45
23 05 19 00-0019	EA	12" Scale, Straight Stem, Liquid Filled Industrial Separable Socket Type Thermometer	181.15	32.45

23 05 19 00-0020 1" NPT, 304 Stainless Steel Thermowells *(23 05 19 00-0001)*

23 05 19 00-0021	EA	4" Long, 1" NPT, 304 Stainless Steel Thermowell	152.01	60.83
23 05 19 00-0022	EA	8" Long, 1" NPT, 304 Stainless Steel Thermowell	151.95	60.83

23 05 19 00-0023 Pressure Gauges *(23 05 19)*

23 05 19 00-0024 Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*

23 05 19 00-0025	EA	2" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	36.03	12.67
23 05 19 00-0026	EA	4" Diameter Dial, Steel Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	45.88	12.67

23 05 19 00-0027 Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges *(23 05 19 00-0023)*

23 05 19 00-0028	EA	3-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	190.21	12.67

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0029	EA	4-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	190.21	12.67
23 05 19 00-0030	EA	6" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	246.20	12.67
23 05 19 00-0031	EA	8-1/2" Diameter Dial, Aluminum Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	575.92	12.67
23 05 19 00-0032		**Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauges** *(23 05 19 00-0023)* Note: Liquid filled.		
23 05 19 00-0033	EA	2-1/2" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	100.16	12.67
23 05 19 00-0034	EA	4" Diameter Dial, Brass Case, 0 To 60 PSI Or 0 To 100 PSI, Pressure Gauge	219.78	12.67
23 05 19 00-0035		**Steel Case, 0 To 10K PSI High Pressure, Pressure Gauges** *(23 05 19 00-0023)*		
23 05 19 00-0036	EA	4-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	324.18	12.67
23 05 19 00-0037	EA	6-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	324.18	12.67
23 05 19 00-0038	EA	8-1/2" Diameter Dial, Steel Case, 0 To 10K PSI High Pressure, Pressure Gauge	324.18	12.67
23 05 19 00-0039		**Gauge Accessories** *(23 05 19 00-0023)*		
23 05 19 00-0040	EA	Pete's Plug (Valve Cock For Removable Pressure Gauge Or Thermometer)	74.94	10.14
23 05 19 00-0041	EA	1/4" Snubber Valve	47.09	10.14
23 05 19 00-0042	EA	1/4" Female Pipe Thread, Brass Gauge Cock	29.79	15.21
23 05 19 00-0043	EA	1/4" Male Pipe Thread, Brass Gauge Cock	25.90	15.21
23 05 19 00-0044	EA	1/4" Pressure Pigtail Steam Siphon	27.15	15.21
23 05 19 00-0045	EA	1/4" x 3" Long Black Steel Nipple	5.84	5.07
23 05 19 00-0046	EA	1/4" Steel Thread-O-Let	61.34	25.35
23 05 19 00-0047	EA	1/4", 300 LB, Black Steel Union	69.01	10.14
23 05 19 00-0048	EA	1/4" Black Steel Coupling	22.08	10.14
23 05 19 00-0049	EA	1/4", 300 LB, Black Steel Plug	12.58	6.08
23 05 19 00-0050	EA	1/4", 150 LB, Black Steel Cap	13.19	6.08
23 05 19 00-0051	LF	1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	6.75	3.35
23 05 19 00-0052	LF	1/4" Schedule 80, Plain End, Black Steel Pipe	6.41	3.35
23 05 19 00-0053	LF	1/4" Schedule 40, Threaded And Coupled, Galvanized Steel Pipe	6.97	
23 05 19 00-0054	EA	1/4" Threaded, 800 LB, Forged Steel, Ball Valve	91.48	
23 05 19 00-0055		**Valve Lock Covers** *(23 05 19)*		
23 05 19 00-0056	EA	Valve Lock Cover	62.89	15.51
23 05 19 00-0057		**Sight Flow Indicator** *(23 05 19)*		
23 05 19 00-0058		**Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0059	EA	1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	117.71	14.76
23 05 19 00-0060	EA	3/8" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	123.00	15.53
23 05 19 00-0061	EA	1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	132.86	16.32
23 05 19 00-0062	EA	3/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	150.20	21.99
23 05 19 00-0063	EA	1" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	179.66	26.66
23 05 19 00-0064	EA	1-1/4" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	205.10	33.74
23 05 19 00-0065	EA	1-1/2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	287.25	39.01
23 05 19 00-0066	EA	2" Threaded, Single Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-100)	319.35	46.11
23 05 19 00-0067		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0068	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	151.34	14.76
23 05 19 00-0069	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	155.88	15.53
23 05 19 00-0070	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	167.99	16.32
23 05 19 00-0071	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	180.10	21.99
23 05 19 00-0072	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	192.37	26.66
23 05 19 00-0073	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	210.33	33.74
23 05 19 00-0074	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	388.90	39.01
23 05 19 00-0075	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Bronze Body, Sight Flow Indicator (Dwyer SFI-300)	418.02	46.11

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0076		**Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator** *(23 05 19 00-0057)*		
23 05 19 00-0077	EA	1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	216.37	14.76
23 05 19 00-0078	EA	3/8" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	228.39	15.53
23 05 19 00-0079	EA	1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	247.97	16.32
23 05 19 00-0080	EA	3/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	271.28	21.99
23 05 19 00-0081	EA	1" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	311.96	26.66
23 05 19 00-0082	EA	1-1/4" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	332.17	33.74
23 05 19 00-0083	EA	1-1/2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	657.98	39.01
23 05 19 00-0084	EA	2" Threaded, Double Window, Acrylonitrile Butadiene Styrene (ABS) Plastic Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-300SS)	694.57	46.11
23 05 19 00-0085		**Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0086	EA	1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	149.10	14.76
23 05 19 00-0087	EA	3/8" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	155.14	15.53
23 05 19 00-0088	EA	1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	164.25	16.32
23 05 19 00-0089	EA	3/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	179.35	21.99
23 05 19 00-0090	EA	1" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	191.62	26.66
23 05 19 00-0091	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	210.33	33.74
23 05 19 00-0092	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	384.41	39.01
23 05 19 00-0093	EA	2" Threaded, Double Window, 304SS Flapper, Bronze Body, Sight Flow Indicator (Dwyer SFI-360)	412.04	46.11
23 05 19 00-0094		**Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0095	EA	1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	214.88	14.76
23 05 19 00-0096	EA	3/8" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	231.38	15.53
23 05 19 00-0097	EA	1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	252.45	16.32
23 05 19 00-0098	EA	3/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	271.28	21.99
23 05 19 00-0099	EA	1" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	311.96	26.66
23 05 19 00-0100	EA	1-1/4" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	335.16	33.74
23 05 19 00-0101	EA	1-1/2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	657.98	39.01
23 05 19 00-0102	EA	2" Threaded, Double Window, 304SS Flapper, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-360SS)	694.57	46.11
23 05 19 00-0103		**Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0104	EA	1" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	317.94	26.66
23 05 19 00-0105	EA	1-1/4" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	359.08	33.74
23 05 19 00-0106	EA	1-1/2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	408.33	39.01
23 05 19 00-0107	EA	2" Threaded, Tube Style, Without Impeller, Cast Iron Body, Sight Flow Indicator (Dwyer SFI-400)	459.88	46.11
23 05 19 00-0108		**Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0109	EA	1-1/2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	703.28	106.41
23 05 19 00-0110	EA	2" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	789.67	135.10
23 05 19 00-0111	EA	3" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,152.71	158.68
23 05 19 00-0112	EA	4" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	1,746.41	266.01
23 05 19 00-0113	EA	6" Flanged, Double Window, 316SS Flapper, Carbon Steel Body, Sight Flow Indicator (Dwyer SFI-360FCS)	2,802.63	324.78
23 05 19 00-0114		**Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicators** *(23 05 19 00-0057)*		
23 05 19 00-0115	EA	1" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	538.10	76.01
23 05 19 00-0116	EA	1-1/4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	634.87	88.68
23 05 19 00-0117	EA	1-1/2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	687.96	106.41
23 05 19 00-0118	EA	2" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	862.54	135.10
23 05 19 00-0119	EA	3" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,242.03	158.68
23 05 19 00-0120	EA	4" Flanged, Tube Style, Without Impeller, Stainless Steel Body, Sight Flow Indicator (Dwyer SFI-400F)	1,843.21	266.01
23 05 19 00-0121		**Venturi Flowmeters** *(23 05 19)*		
23 05 19 00-0122		**Threaded, Brass, Venturi Flowmeters** *(23 05 19 00-0121)*		
23 05 19 00-0123	EA	3/4" Threaded, Brass, Venturi Flowmeter	247.56	68.95
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0124	EA	1" Threaded, Brass, Venturi Flowmeter	274.19	82.73
		For Portable Venturi Flow Meter, Add	*995.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 19 00-0125	EA	1-1/4" Threaded, Brass, Venturi Flowmeter	302.49	91.96
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0126	EA	1-1/2" Threaded, Brass, Venturi Flowmeter	340.90	103.43
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0127	EA	2" Threaded, Brass, Venturi Flowmeter	405.25	118.23
		For Portable Venturi Flow Meter, Add	*995.00*	
23 05 19 00-0128	EA	2-1/2" Threaded, Brass, Venturi Flowmeter	556.70	163.93
		For Portable Venturi Flow Meter, Add	*995.00*	

23 05 19 00-0129 Butt Weld, Carbon Steel, Venturi Flowmeters *(23 05 19 00-0121)*

23 05 19 00-0130	EA	3" Butt Weld, Carbon Steel, Venturi Flowmeter	844.28	142.00
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*196.09*	
23 05 19 00-0131	EA	4" Butt Weld, Carbon Steel, Venturi Flowmeter	1,143.86	170.41
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*281.07*	
23 05 19 00-0132	EA	5" Butt Weld, Carbon Steel, Venturi Flowmeter	1,490.52	213.01
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*372.58*	
23 05 19 00-0133	EA	6" Butt Weld, Carbon Steel, Venturi Flowmeter	1,800.61	284.01
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*431.41*	
23 05 19 00-0134	EA	8" Butt Weld, Carbon Steel, Venturi Flowmeter	2,567.86	340.80
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*660.19*	
23 05 19 00-0135	EA	10" Butt Weld, Carbon Steel, Venturi Flowmeter	4,082.93	426.00
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,130.82*	
23 05 19 00-0136	EA	12" Butt Weld, Carbon Steel, Venturi Flowmeter	6,108.46	607.71
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*1,712.57*	
23 05 19 00-0137	EA	14" Butt Weld, Carbon Steel, Venturi Flowmeter	8,621.10	911.55
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*2,379.29*	
23 05 19 00-0138	EA	16" Butt Weld, Carbon Steel, Venturi Flowmeter	12,577.49	1,012.84
		For Portable Venturi Flow Meter, Add	*995.00*	
		For Flanged Ends, Add	*3,693.13*	

23 05 19 00-0139 Turbine Flowmeter *(23 05 19)*

23 05 19 00-0140	EA	Saddle Mount Turbine Flowmeter	575.61	76.05

23 05 19 00-0141 Water Flow Switches *(23 05 19)*

23 05 19 00-0142	EA	Flexible Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BF-1)	207.06	29.89
23 05 19 00-0143	EA	Rigid Paddle, Single Switch, Brass Body, Water Flow Switch (Taco IFS01BR-1)	213.90	29.89
23 05 19 00-0144	EA	Flexible Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BF-1)	271.71	29.89
23 05 19 00-0145	EA	Rigid Paddle, Double Switch, Brass Body, Water Flow Switch (Taco IFS02BR-1)	280.46	29.89
23 05 19 00-0146	EA	Flexible Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BF-1)	222.66	29.89
23 05 19 00-0147	EA	Rigid Paddle, High Current Single Switch, Brass Body, Water Flow Switch (Taco IFSH1BR-1)	230.64	29.89
23 05 19 00-0148	EA	Flexible Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BF-1)	287.31	29.89
23 05 19 00-0149	EA	Rigid Paddle, High Current Double Switch, Brass Body, Water Flow Switch (Taco IFSH2BR-1)	295.28	29.89
23 05 19 00-0150	EA	Flexible Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SF-1)	552.33	29.89
23 05 19 00-0151	EA	Rigid Paddle, Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS01SR-1)	560.07	29.89
23 05 19 00-0152	EA	Flexible Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SF-1)	633.54	29.89
23 05 19 00-0153	EA	Rigid Paddle, Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFS02SR-1)	644.18	29.89
23 05 19 00-0154	EA	Flexible Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SF-1)	570.70	29.89
23 05 19 00-0155	EA	Rigid Paddle, High Current Single Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH1SR-1)	581.34	29.89
23 05 19 00-0156	EA	Flexible Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SF-1)	651.91	29.89
23 05 19 00-0157	EA	Rigid Paddle, High Current Double Switch, 316 Stainless Steel Body, Water Flow Switch (Taco IFSH2SR-1)	663.52	29.89

23 05 23 General-Duty Valves For HVAC Piping *(23 05)*

Note: Flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for bolt and gasket sets.

23 05 23 00-0001 Gate Valves *(23 05 23)*

23 05 23 00-0002 Class 125 Brazed Or Soldered Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve 105)

23 05 23 00-0003	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	73.11	10.14
		For 150 LB Rating, Add	*4.36*	
		For 200 LB Rating, Add	*6.54*	
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0004	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	74.66	10.14
		For 150 LB Rating, Add	*4.36*	
		For 200 LB Rating, Add	*6.54*	
		For Work In Restricted Working Space, Add	*9.32*	
23 05 23 00-0005	EA	1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	76.55	10.14
		For 150 LB Rating, Add	*4.39*	
		For 200 LB Rating, Add	*6.58*	
		For Work In Restricted Working Space, Add	*9.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0006	EA	3/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	91.19	11.15
		For 150 LB Rating, Add	*4.71*	
		For 200 LB Rating, Add	*7.07*	
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0007	EA	1" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	111.07	12.67
		For 150 LB Rating, Add	*5.77*	
		For 200 LB Rating, Add	*8.66*	
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0008	EA	1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	161.83	13.48
		For 150 LB Rating, Add	*9.43*	
		For 200 LB Rating, Add	*14.14*	
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0009	EA	1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	180.40	15.61
		For 150 LB Rating, Add	*10.24*	
		For 200 LB Rating, Add	*15.37*	
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0010	EA	2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	216.24	18.44
		For 150 LB Rating, Add	*12.41*	
		For 200 LB Rating, Add	*18.62*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0011	EA	2-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	484.46	24.92
		For 150 LB Rating, Add	*36.00*	
		For 200 LB Rating, Add	*54.00*	
		For Chain Operated Type, Add	*162.00*	
		For Work In Restricted Working Space, Add	*37.34*	
23 05 23 00-0012	EA	3" Diameter, 125 LB Brazed Or Soldered Bronze Gate Valve	568.42	28.93
		For 150 LB Rating, Add	*42.48*	
		For 200 LB Rating, Add	*63.72*	
		For Work In Restricted Working Space, Add	*43.08*	

23 05 23 00-0013 Class 125 Brazed Or Soldered Bronze Lead Free Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure. (Milwaukee Valve UP105, Nibco T113-LF)

23 05 23 00-0014	EA	1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	87.63	10.14
		For 150 LB Rating, Add	*5.81*	
		For 200 LB Rating, Add	*8.72*	
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0015	EA	3/8" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	89.06	10.14
		For 150 LB Rating, Add	*5.80*	
		For 200 LB Rating, Add	*8.70*	
		For Work In Restricted Working Space, Add	*9.32*	
23 05 23 00-0016	EA	1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	103.39	10.14
		For 150 LB Rating, Add	*7.07*	
		For 200 LB Rating, Add	*10.60*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0017	EA	3/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	118.03	11.15
		For 150 LB Rating, Add	*7.40*	
		For 200 LB Rating, Add	*11.10*	
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0018	EA	1" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	141.70	12.67
		For 150 LB Rating, Add	*8.84*	
		For 200 LB Rating, Add	*13.25*	
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0019	EA	1-1/4" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	203.72	13.48
		For 150 LB Rating, Add	*13.62*	
		For 200 LB Rating, Add	*20.42*	
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0020	EA	1-1/2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	233.10	15.61
		For 150 LB Rating, Add	*15.51*	
		For 200 LB Rating, Add	*23.27*	
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0021	EA	2" Diameter, 125 LB Brazed Or Soldered Bronze Lead Free Gate Valve	297.66	18.44
		For 150 LB Rating, Add	*20.55*	
		For 200 LB Rating, Add	*30.83*	
		For Work In Restricted Working Space, Add	*27.64*	

23 05 23 00-0022 Class 125 Threaded, Bronze Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0023	EA	1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	59.91	10.14
		For 150 LB Rating, Add	*3.04*	
		For 200 LB Rating, Add	*4.56*	
		For 250 LB Rating, Add	*7.60*	
		For 300 LB Rating, Add	*10.64*	
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0024	EA	3/8" Diameter, 125 LB, Threaded Bronze Gate Valve	61.46	10.14
		For 150 LB Rating, Add	*3.04*	
		For 200 LB Rating, Add	*4.56*	
		For 250 LB Rating, Add	*7.60*	
		For 300 LB Rating, Add	*10.64*	
		For Work In Restricted Working Space, Add	*9.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0025	EA	1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	63.10	10.14
		For 150 LB Rating, Add	*3.04*	
		For 200 LB Rating, Add	*4.56*	
		For 250 LB Rating, Add	*7.60*	
		For 300 LB Rating, Add	*10.64*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0026	EA	3/4" Diameter, 125 LB, Threaded Bronze Gate Valve	80.34	11.15
		For 150 LB Rating, Add	*3.63*	
		For 200 LB Rating, Add	*5.44*	
		For 250 LB Rating, Add	*9.07*	
		For 300 LB Rating, Add	*12.70*	
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0027	EA	1" Diameter, 125 LB, Threaded Bronze Gate Valve	108.14	12.67
		For 150 LB Rating, Add	*5.48*	
		For 200 LB Rating, Add	*8.22*	
		For 250 LB Rating, Add	*13.70*	
		For 300 LB Rating, Add	*19.18*	
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0028	EA	1-1/4" Diameter, 125 LB, Threaded Bronze Gate Valve	141.46	13.48
		For 150 LB Rating, Add	*7.39*	
		For 200 LB Rating, Add	*11.08*	
		For 250 LB Rating, Add	*18.47*	
		For 300 LB Rating, Add	*25.86*	
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0029	EA	1-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	171.07	15.61
		For 150 LB Rating, Add	*9.31*	
		For 200 LB Rating, Add	*13.97*	
		For 250 LB Rating, Add	*23.28*	
		For 300 LB Rating, Add	*32.59*	
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0030	EA	2" Diameter, 125 LB, Threaded Bronze Gate Valve	219.34	18.44
		For 150 LB Rating, Add	*12.72*	
		For 200 LB Rating, Add	*19.08*	
		For 250 LB Rating, Add	*31.80*	
		For 300 LB Rating, Add	*44.52*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0031	EA	2-1/2" Diameter, 125 LB, Threaded Bronze Gate Valve	487.27	24.92
		For 150 LB Rating, Add	*36.28*	
		For 200 LB Rating, Add	*54.42*	
		For 250 LB Rating, Add	*90.71*	
		For 300 LB Rating, Add	*126.99*	
		For Chain Operated Type, Add	*163.27*	
		For Work In Restricted Working Space, Add	*37.34*	
23 05 23 00-0032	EA	3" Diameter, 125 LB, Threaded Bronze Gate Valve	577.30	28.93
		For 150 LB Rating, Add	*43.37*	
		For 200 LB Rating, Add	*65.06*	
		For 250 LB Rating, Add	*108.43*	
		For 300 LB Rating, Add	*151.80*	
		For Chain Operated Type, Add	*195.17*	
		For Work In Restricted Working Space, Add	*43.08*	
23 05 23 00-0033	EA	4" Diameter, 125 LB, Threaded Bronze Gate Valve	1,196.54	32.67
		For 150 LB Rating, Add	*103.32*	
		For 200 LB Rating, Add	*154.98*	
		For 250 LB Rating, Add	*258.30*	
		For 300 LB Rating, Add	*361.62*	
		For Chain Operated Type, Add	*464.94*	
		For Work In Restricted Working Space, Add	*49.00*	

23 05 23 00-0034 200 PSI, Non Rising Stem, Crimped Bronze Gate Valves *(23 05 23 00-0001)*

Note: 200 psi cold working pressure.

23 05 23 00-0035	EA	1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	102.58	10.14
		For Work In Restricted Working Space, Add	*6.84*	
23 05 23 00-0036	EA	3/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	115.55	11.15
		For Work In Restricted Working Space, Add	*7.79*	
23 05 23 00-0037	EA	1" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	151.68	12.67
		For Work In Restricted Working Space, Add	*9.31*	
23 05 23 00-0038	EA	1-1/4" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	206.33	13.48
		For Work In Restricted Working Space, Add	*10.26*	
23 05 23 00-0039	EA	1-1/2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	239.09	15.61
		For Work In Restricted Working Space, Add	*11.40*	
23 05 23 00-0040	EA	2" Diameter, 200 PSI, Non Rising Stem, Crimped Bronze Gate Valve	328.69	18.44
		For Work In Restricted Working Space, Add	*13.68*	

23 05 23 00-0041 Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0042	EA	1-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	257.54	15.61
		For 150 LB Rating, Add	*35.92*	
		For 250 LB Rating, Add	*62.85*	
		For Chain Operated Type, Add	*62.85*	
		For Work In Restricted Working Space, Add	*23.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0043	EA	2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	395.57	18.44
		For 150 LB Rating, Add	*60.69*	
		For 250 LB Rating, Add	*106.20*	
		For Chain Operated Type, Add	*106.20*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0044	EA	2-1/2" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	580.83	24.92
		For 150 LB Rating, Add	*91.28*	
		For 250 LB Rating, Add	*159.73*	
		For Chain Operated Type, Add	*159.73*	
		For Work In Restricted Working Space, Add	*37.34*	
23 05 23 00-0045	EA	3" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	742.39	28.93
		For 150 LB Rating, Add	*119.76*	
		For 250 LB Rating, Add	*209.58*	
		For Chain Operated Type, Add	*209.58*	
		For Work In Restricted Working Space, Add	*43.08*	
23 05 23 00-0046	EA	4" Diameter, Class 125 Non Rising Stem, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,775.22	32.67
		For 150 LB Rating, Add	*322.38*	
		For 250 LB Rating, Add	*564.16*	
		For Chain Operated Type, Add	*564.16*	
		For Work In Restricted Working Space, Add	*49.00*	

23 05 23 00-0047 Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valves *(23 05 23 00-0001)*

Note: 125 psi steam, basic rating. 200 psi cold working pressure.

23 05 23 00-0048	EA	1-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	365.76	106.41
		For 150 LB Rating, Add	*67.40*	
		For 250 LB Rating, Add	*116.21*	
		For 300 LB Rating, ASTM A182, Add	*299.09*	
		For Chain Operated Type, Add	*116.21*	
		For Work In Restricted Working Space, Add	*40.01*	
23 05 23 00-0049	EA	2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	411.98	135.10
		For 150 LB Rating, Add	*70.49*	
		For 250 LB Rating, Add	*121.54*	
		For 300 LB Rating, ASTM A182, Add	*327.53*	
		For Chain Operated Type, Add	*121.54*	
		For Work In Restricted Working Space, Add	*50.67*	
23 05 23 00-0050	EA	2-1/2" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	461.35	135.34
		For 150 LB Rating, Add	*84.58*	
		For 250 LB Rating, Add	*145.82*	
		For 300 LB Rating, ASTM A182, Add	*376.50*	
		For Chain Operated Type, Add	*145.82*	
		For Work In Restricted Working Space, Add	*50.91*	
23 05 23 00-0051	EA	3" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	563.12	158.68
		For 150 LB Rating, Add	*105.71*	
		For 250 LB Rating, Add	*182.27*	
		For 300 LB Rating, ASTM A182, Add	*463.83*	
		For Chain Operated Type, Add	*182.27*	
		For Work In Restricted Working Space, Add	*59.58*	
23 05 23 00-0052	EA	4" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	819.42	266.01
		For 150 LB Rating, Add	*140.96*	
		For 250 LB Rating, Add	*243.03*	
		For 300 LB Rating, ASTM A182, Add	*652.74*	
		For Chain Operated Type, Add	*243.03*	
		For Work In Restricted Working Space, Add	*100.01*	
23 05 23 00-0053	EA	5" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	996.64	292.30
		For 150 LB Rating, Add	*183.23*	
		For 250 LB Rating, Add	*315.91*	
		For 300 LB Rating, ASTM A182, Add	*814.23*	
		For Chain Operated Type, Add	*315.91*	
		For Work In Restricted Working Space, Add	*109.45*	
23 05 23 00-0054	EA	6" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,184.97	324.78
		For 150 LB Rating, Add	*225.49*	
		For 250 LB Rating, Add	*388.77*	
		For 300 LB Rating, ASTM A182, Add	*981.26*	
		For Chain Operated Type, Add	*388.77*	
		For Work In Restricted Working Space, Add	*122.23*	
23 05 23 00-0055	EA	8" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,803.53	415.00
		For 150 LB Rating, Add	*373.52*	
		For 250 LB Rating, Add	*644.01*	
		For 300 LB Rating, ASTM A182, Add	*1,545.77*	
		For Chain Operated Type, Add	*644.01*	
		For Work In Restricted Working Space, Add	*154.66*	
23 05 23 00-0056	EA	10" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,332.53	505.21
		For 150 LB Rating, Add	*493.30*	
		For 250 LB Rating, Add	*850.51*	
		For 300 LB Rating, ASTM A182, Add	*2,016.78*	
		For Chain Operated Type, Add	*850.51*	
		For Work In Restricted Working Space, Add	*189.45*	
23 05 23 00-0057	EA	12" Diameter, Class 125 Non Rising Stem, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,195.63	613.47
		For 150 LB Rating, Add	*704.75*	
		For 250 LB Rating, Add	*1,215.08*	
		For 300 LB Rating, ASTM A182, Add	*2,812.90*	
		For Chain Operated Type, Add	*1,215.08*	
		For Work In Restricted Working Space, Add	*229.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0058		**Class 125 Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valves** *(23 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure.		
23 05 23 00-0059	EA	1-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	518.15	15.61
		For 175 LB Rating, Add	*220.10*	
		For 250 LB Rating, Add	*330.14*	
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0060	EA	2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	661.18	18.44
		For 175 LB Rating, Add	*284.53*	
		For 250 LB Rating, Add	*426.79*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0061	EA	2-1/2" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	766.13	24.92
		For 175 LB Rating, Add	*320.84*	
		For 250 LB Rating, Add	*481.26*	
		For Work In Restricted Working Space, Add	*37.34*	
23 05 23 00-0062	EA	3" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	851.63	28.93
		For 175 LB Rating, Add	*354.02*	
		For 250 LB Rating, Add	*531.02*	
		For Work In Restricted Working Space, Add	*43.08*	
23 05 23 00-0063	EA	4" Diameter, 125 LB Outside Stem And Yoke, Threaded, Cast Iron Body, Bronze Trim Gate Valve	1,141.03	32.67
		For 175 LB Rating, Add	*488.85*	
		For 250 LB Rating, Add	*733.27*	
		For Work In Restricted Working Space, Add	*49.00*	
23 05 23 00-0064		**Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valves** *(23 05 23 00-0001)*		
		Note: 125 psi steam, basic rating. 200 psi cold working pressure for up to 12". 100 psi steam, basic rating. 150 psi cold working pressure for >12" to 24". 50 psi steam, basic rating. 150 psi cold working pressure for >24".		
23 05 23 00-0065	EA	1-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	468.39	106.41
		For 150 LB Rating, Add	*50.26*	
		For 175 LB Rating, Add	*103.86*	
		For 250 LB Rating, Add	*217.78*	
		For Chain Operated Type, Add	*167.52*	
		For Work In Restricted Working Space, Add	*40.01*	
23 05 23 00-0066	EA	2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	513.91	135.10
		For 150 LB Rating, Add	*51.75*	
		For 175 LB Rating, Add	*106.95*	
		For 250 LB Rating, Add	*224.25*	
		For Chain Operated Type, Add	*172.50*	
		For Work In Restricted Working Space, Add	*50.67*	
23 05 23 00-0067	EA	2-1/2" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	525.97	135.34
		For 150 LB Rating, Add	*53.44*	
		For 175 LB Rating, Add	*110.44*	
		For 250 LB Rating, Add	*231.57*	
		For Chain Operated Type, Add	*178.13*	
		For Work In Restricted Working Space, Add	*50.91*	
23 05 23 00-0068	EA	3" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	590.57	158.68
		For 150 LB Rating, Add	*58.80*	
		For 175 LB Rating, Add	*121.51*	
		For 250 LB Rating, Add	*254.79*	
		For Chain Operated Type, Add	*195.99*	
		For Work In Restricted Working Space, Add	*59.58*	
23 05 23 00-0069	EA	4" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	808.73	266.01
		For 150 LB Rating, Add	*71.31*	
		For 175 LB Rating, Add	*147.36*	
		For 250 LB Rating, Add	*308.99*	
		For Chain Operated Type, Add	*237.69*	
		For Work In Restricted Working Space, Add	*100.01*	
23 05 23 00-0070	EA	5" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,028.06	292.30
		For 150 LB Rating, Add	*99.49*	
		For 175 LB Rating, Add	*205.60*	
		For 250 LB Rating, Add	*431.11*	
		For Chain Operated Type, Add	*331.62*	
		For Work In Restricted Working Space, Add	*109.45*	
23 05 23 00-0071	EA	6" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,164.87	324.78
		For 150 LB Rating, Add	*113.62*	
		For 175 LB Rating, Add	*234.81*	
		For 250 LB Rating, Add	*492.34*	
		For Chain Operated Type, Add	*378.72*	
		For Work In Restricted Working Space, Add	*122.23*	
23 05 23 00-0072	EA	8" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	1,796.57	415.00
		For 150 LB Rating, Add	*192.16*	
		For 175 LB Rating, Add	*397.13*	
		For 250 LB Rating, Add	*832.68*	
		For Chain Operated Type, Add	*640.53*	
		For Work In Restricted Working Space, Add	*154.66*	
23 05 23 00-0073	EA	10" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	2,603.04	505.21
		For 150 LB Rating, Add	*295.73*	
		For 175 LB Rating, Add	*611.17*	
		For 250 LB Rating, Add	*1,281.49*	
		For Chain Operated Type, Add	*985.77*	
		For Work In Restricted Working Space, Add	*189.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0074	EA	12" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	3,264.22	613.47
		For 150 LB Rating, Add	*374.81*	
		For 175 LB Rating, Add	*774.61*	
		For 250 LB Rating, Add	*1,624.19*	
		For Chain Operated Type, Add	*1,249.38*	
		For Work In Restricted Working Space, Add	*229.64*	
23 05 23 00-0075	EA	14" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	6,419.85	873.03
		For 150 LB Rating, Add	*799.28*	
		For 175 LB Rating, Add	*1,651.85*	
		For 250 LB Rating, Add	*3,463.56*	
		For Work In Restricted Working Space, Add	*327.39*	
23 05 23 00-0076	EA	16" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	8,287.93	960.34
		For 150 LB Rating, Add	*1,063.13*	
		For 175 LB Rating, Add	*2,197.13*	
		For 250 LB Rating, Add	*4,606.88*	
		For Work In Restricted Working Space, Add	*360.13*	
23 05 23 00-0077	EA	18" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	11,254.02	1,065.10
		For 150 LB Rating, Add	*1,488.40*	
		For 175 LB Rating, Add	*3,076.02*	
		For 250 LB Rating, Add	*6,449.72*	
		For Work In Restricted Working Space, Add	*399.41*	
23 05 23 00-0078	EA	20" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	14,256.25	1,200.42
		For 150 LB Rating, Add	*1,913.36*	
		For 175 LB Rating, Add	*3,954.27*	
		For 250 LB Rating, Add	*8,291.22*	
		For Work In Restricted Working Space, Add	*450.16*	
23 05 23 00-0079	EA	24" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	19,438.36	1,473.25
		For 150 LB Rating, Add	*2,639.52*	
		For 175 LB Rating, Add	*5,455.01*	
		For 250 LB Rating, Add	*11,437.92*	
		For Work In Restricted Working Space, Add	*552.47*	
23 05 23 00-0080	EA	30" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	40,394.26	2,400.85
		For 150 LB Rating, Add	*5,608.98*	
		For 175 LB Rating, Add	*11,591.89*	
		For 250 LB Rating, Add	*24,305.58*	
		For Work In Restricted Working Space, Add	*900.32*	
23 05 23 00-0081	EA	36" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	51,512.78	3,201.13
		For 150 LB Rating, Add	*7,126.70*	
		For 175 LB Rating, Add	*14,728.52*	
		For 250 LB Rating, Add	*30,882.38*	
		For Work In Restricted Working Space, Add	*1,200.43*	
23 05 23 00-0082	EA	42" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	60,510.82	4,064.72
		For 150 LB Rating, Add	*8,314.49*	
		For 175 LB Rating, Add	*17,183.28*	
		For 250 LB Rating, Add	*36,029.45*	
		For Work In Restricted Working Space, Add	*1,524.27*	
23 05 23 00-0083	EA	48" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	72,827.92	5,080.90
		For 150 LB Rating, Add	*9,971.52*	
		For 175 LB Rating, Add	*20,607.81*	
		For 250 LB Rating, Add	*43,209.92*	
		For Work In Restricted Working Space, Add	*1,905.34*	
23 05 23 00-0084	EA	54" Diameter, Class 125 Outside Stem And Yoke, Flanged, Cast Iron Body, Bronze Trim Gate Valve	87,393.51	6,097.08
		For 150 LB Rating, Add	*11,965.82*	
		For 175 LB Rating, Add	*24,729.37*	
		For 250 LB Rating, Add	*51,851.90*	
		For Work In Restricted Working Space, Add	*2,286.41*	

23 05 23 00-0085 Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valves *(23 05 23 00-0001)*

Note: 800 psig at 850 degrees F.

23 05 23 00-0086	EA	1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	155.67	10.14
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0087	EA	1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	158.86	10.14
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0088	EA	3/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	187.14	11.15
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0089	EA	1" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	227.19	12.67
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0090	EA	1-1/4" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	348.07	13.48
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0091	EA	1-1/2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	411.81	15.61
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0092	EA	2" Diameter, Class 800 Outside Stem And Yoke, Threaded, Forged Steel, Chrome Trim, Bolted Bonnet Gate Valve	518.29	18.44
		For Work In Restricted Working Space, Add	*27.64*	

23 05 23 00-0093 Ball Valves *(23 05 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0094		**Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves** *(23 05 23 00-0093)*		
		Note: 125 LB WSP.		
23 05 23 00-0095	EA	1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	43.51	10.14
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*4.86*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0096	EA	3/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	60.68	11.15
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*7.48*	
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0097	EA	1" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	75.77	12.67
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*10.09*	
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0098	EA	1-1/4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	105.24	13.48
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*16.95*	
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0099	EA	1-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	126.07	15.61
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*21.65*	
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0100	EA	2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	152.40	18.44
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*27.12*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0101	EA	2-1/2" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	408.87	24.92
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*127.99*	
		For Work In Restricted Working Space, Add	*37.34*	
23 05 23 00-0102	EA	3" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	471.77	28.93
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*147.68*	
		For Work In Restricted Working Space, Add	*43.08*	
23 05 23 00-0103	EA	4" Threaded Or Sweated, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	610.74	32.67
		For Extension Stems And Sleeves On Insulated Pipe, Add	*2.63*	
		For Full Port, Add	*201.33*	
		For Work In Restricted Working Space, Add	*49.00*	
23 05 23 00-0104		**Screwed, 150 LB, Full Port, Carbon Steel Ball Valves** *(23 05 23 00-0093)*		
23 05 23 00-0105	EA	1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	50.19	10.14
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0106	EA	1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	55.15	10.14
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0107	EA	3/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	76.53	11.15
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0108	EA	1" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	97.00	12.67
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0109	EA	1-1/4" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	142.20	13.48
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0110	EA	1-1/2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	172.50	15.61
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0111	EA	2" Screwed, 150 LB, Full Port, Carbon Steel Ball Valve	222.30	18.44
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0112		**Flanged, 150 LB, Full Port, Carbon Steel Ball Valves** *(23 05 23 00-0093)*		
23 05 23 00-0113	EA	4" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	1,217.78	266.01
		For Work In Restricted Working Space, Add	*100.01*	
23 05 23 00-0114	EA	6" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	2,035.79	324.78
		For Work In Restricted Working Space, Add	*122.23*	
23 05 23 00-0115	EA	8" Flanged, 150 LB, Full Port, Carbon Steel Ball Valve	4,348.33	415.00
		For Work In Restricted Working Space, Add	*154.66*	
23 05 23 00-0116		**Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valves** *(23 05 23 00-0093)*		
23 05 23 00-0117	EA	1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	37.61	10.14
		For True Union Socket Or Thread Type, Add	*3.68*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0118	EA	3/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	49.71	11.15
		For True Union Socket Or Thread Type, Add	*4.57*	
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0119	EA	1" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	61.22	12.67
		For True Union Socket Or Thread Type, Add	*5.95*	
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0120	EA	1-1/4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	77.91	13.48
		For True Union Socket Or Thread Type, Add	*7.68*	
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0121	EA	1-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	95.96	15.61
		For True Union Socket Or Thread Type, Add	*11.29*	
		For Work In Restricted Working Space, Add	*23.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0122	EA	2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	115.07	18.44
		For True Union Socket Or Thread Type, Add	*14.01*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0123	EA	2-1/2" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	173.81	24.92
		For True Union Socket Or Thread Type, Add	*26.28*	
		For Work In Restricted Working Space, Add	*37.34*	
23 05 23 00-0124	EA	3" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	227.52	28.93
		For True Union Socket Or Thread Type, Add	*41.11*	
		For Work In Restricted Working Space, Add	*43.08*	
23 05 23 00-0125	EA	4" Socket, 150 PSI, Polyvinyl Chloride (PVC), Ball Valve	323.80	32.67
		For True Union Socket Or Thread Type, Add	*72.76*	
		For Work In Restricted Working Space, Add	*49.00*	

23 05 23 00-0126 Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valves *(23 05 23 00-0093)*

23 05 23 00-0127	EA	1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	76.77	15.20
		For Full Port, Add	*14.63*	
		For Work In Restricted Working Space, Add	*13.28*	
23 05 23 00-0128	EA	3/8" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	79.10	15.20
		For Full Port, Add	*14.63*	
		For Work In Restricted Working Space, Add	*13.98*	
23 05 23 00-0129	EA	1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	81.54	15.20
		For Full Port, Add	*14.63*	
		For Work In Restricted Working Space, Add	*14.71*	
23 05 23 00-0130	EA	3/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	100.56	16.72
		For Full Port, Add	*15.51*	
		For Work In Restricted Working Space, Add	*19.83*	
23 05 23 00-0131	EA	1" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	131.07	19.00
		For Full Port, Add	*22.97*	
		For Work In Restricted Working Space, Add	*24.01*	
23 05 23 00-0132	EA	1-1/4" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	171.22	20.22
		For Full Port, Add	*31.44*	
		For Work In Restricted Working Space, Add	*30.41*	
23 05 23 00-0133	EA	1-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	209.84	23.41
		For Full Port, Add	*41.81*	
		For Work In Restricted Working Space, Add	*35.08*	
23 05 23 00-0134	EA	2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	289.40	27.67
		For Full Port, Add	*68.04*	
		For Work In Restricted Working Space, Add	*41.46*	
23 05 23 00-0135	EA	2-1/2" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	553.60	37.38
		For Full Port, Add	*165.11*	
		For Work In Restricted Working Space, Add	*56.00*	
23 05 23 00-0136	EA	3" Threaded Or Sweated, 3-Way, 125 LB, Regular Port, Carbon Steel Trim, Brass Body, Ball Valve	798.04	43.40
		For Full Port, Add	*262.19*	
		For Work In Restricted Working Space, Add	*64.62*	

23 05 23 00-0137 Wye Strainer, Union With Two Pressure Ports, Ball Valves *(23 05 23 00-0093)*

23 05 23 00-0138	EA	1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	161.72	10.14
23 05 23 00-0139	EA	3/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	207.22	13.17
23 05 23 00-0140	EA	1" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	267.42	16.22
23 05 23 00-0141	EA	1-1/4" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	365.52	22.29
23 05 23 00-0142	EA	1-1/2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	457.83	25.94
23 05 23 00-0143	EA	2" Diameter, Wye Strainer, Union With Two Pressure Ports, Ball Valve	605.36	30.41

23 05 23 00-0144 Crimped Bronze, Ball Valves *(23 05 23 00-0093)*

23 05 23 00-0145 Crimped Bronze, 250 PSI, Ball Valves *(23 05 23 00-0144)*

Note: Nibco®

23 05 23 00-0146	EA	1/2" Crimped Bronze, 250 PSI, Ball Valve	70.99	10.14
		For Work In Restricted Working Space, Add	*6.84*	
23 05 23 00-0147	EA	3/4" Crimped Bronze, 250 PSI, Ball Valve	91.63	11.15
		For Work In Restricted Working Space, Add	*7.79*	
23 05 23 00-0148	EA	1" Crimped Bronze, 250 PSI, Ball Valve	117.47	12.67
		For Work In Restricted Working Space, Add	*9.31*	
23 05 23 00-0149	EA	1-1/4" Crimped Bronze, 250 PSI, Ball Valve	188.80	13.48
		For Work In Restricted Working Space, Add	*10.26*	
23 05 23 00-0150	EA	1-1/2" Crimped Bronze, 250 PSI, Ball Valve	249.10	15.61
		For Work In Restricted Working Space, Add	*11.40*	
23 05 23 00-0151	EA	2" Crimped Bronze, 250 PSI, Ball Valve	374.70	18.44
		For Work In Restricted Working Space, Add	*13.68*	

23 05 23 00-0152 Crimped Bronze, 200 PSI, Full Port Ball Valves *(23 05 23 00-0144)*

23 05 23 00-0153	EA	1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	51.11	10.14
23 05 23 00-0154	EA	3/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	65.76	11.15
23 05 23 00-0155	EA	1" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	80.02	12.67
23 05 23 00-0156	EA	1-1/4" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	113.80	13.48
23 05 23 00-0157	EA	1-1/2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	148.21	15.61
23 05 23 00-0158	EA	2" Crimped Bronze, 200 PSI, Full Port, Lever Ball Valve	221.62	18.44

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0159		**Crimped Bronze, 250 PSI, Full Port Ball Valves** *(23 05 23 00-0144)*		
23 05 23 00-0160	EA	1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	59.53	10.14
23 05 23 00-0161	EA	3/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	71.89	11.15
23 05 23 00-0162	EA	1" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	89.81	12.67
23 05 23 00-0163	EA	1-1/4" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	144.41	13.48
23 05 23 00-0164	EA	1-1/2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	214.02	15.61
23 05 23 00-0165	EA	2" Crimped Bronze, 250 PSI, Full Port, Lever Ball Valve	298.15	18.44
23 05 23 00-0166		**Crimped x Threaded Bronze, 250 PSI, Full Port Ball Valves** *(23 05 23 00-0144)*		
23 05 23 00-0167	EA	1/2" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	57.24	10.14
23 05 23 00-0168	EA	3/4" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	69.74	11.15
23 05 23 00-0169	EA	1" Crimped x Threaded Bronze, 250 PSI, Full Port, Lever Ball Valve	84.91	12.67
23 05 23 00-0170		**Globe Valves** *(23 05 23)*		
23 05 23 00-0171		**Threaded Or Sweated, 125 LB, Bronze Body, Globe Valves** *(23 05 23 00-0170)*		
23 05 23 00-0172	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	67.31	10.14
		For 150 LB Rating, Add	*10.73*	
		For 200 LB Rating, Add	*13.15*	
		For 250 LB Rating, Add	*15.57*	
		For 300 LB Rating, Add	*19.04*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0173	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	64.12	10.14
		For 150 LB Rating, Add	*10.73*	
		For 200 LB Rating, Add	*13.15*	
		For 250 LB Rating, Add	*15.57*	
		For 300 LB Rating, Add	*19.04*	
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0174	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	82.72	10.14
		For 150 LB Rating, Add	*16.01*	
		For 200 LB Rating, Add	*19.63*	
		For 250 LB Rating, Add	*23.25*	
		For 300 LB Rating, Add	*28.41*	
		For Work In Restricted Working Space, Add	*9.32*	
23 05 23 00-0175	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	84.36	10.14
		For 150 LB Rating, Add	*16.01*	
		For 200 LB Rating, Add	*19.63*	
		For 250 LB Rating, Add	*23.25*	
		For 300 LB Rating, Add	*28.41*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*69.91*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0176	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	100.06	10.64
		For 150 LB Rating, Add	*17.36*	
		For 200 LB Rating, Add	*21.28*	
		For 250 LB Rating, Add	*25.20*	
		For 300 LB Rating, Add	*30.80*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*79.22*	
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0177	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	129.03	10.64
		For 150 LB Rating, Add	*23.46*	
		For 200 LB Rating, Add	*28.76*	
		For 250 LB Rating, Add	*34.06*	
		For 300 LB Rating, Add	*41.63*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*104.60*	
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0178	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	198.29	13.48
		For 150 LB Rating, Add	*40.52*	
		For 200 LB Rating, Add	*49.67*	
		For 250 LB Rating, Add	*58.82*	
		For 300 LB Rating, Add	*71.90*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*170.82*	
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0179	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	264.78	15.61
		For 150 LB Rating, Add	*57.91*	
		For 200 LB Rating, Add	*70.99*	
		For 250 LB Rating, Add	*84.07*	
		For 300 LB Rating, Add	*102.75*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*236.69*	
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0180	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	311.75	18.44
		For 150 LB Rating, Add	*68.08*	
		For 200 LB Rating, Add	*83.46*	
		For 250 LB Rating, Add	*98.83*	
		For 300 LB Rating, Add	*120.79*	
		For 600 LB Rating, Forged Steel, Bolted Bonnet, Socket Weld, Add	*278.43*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0181	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Globe Valve	345.87	24.92
		For 150 LB Rating, Add	*68.64*	
		For 200 LB Rating, Add	*84.14*	
		For 250 LB Rating, Add	*99.64*	
		For 300 LB Rating, Add	*121.78*	
		For Work In Restricted Working Space, Add	*37.34*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0182	EA	3" Globe Valve, Bronze, Threaded Or Soldered, 125 LB	639.67	28.93
		For 150 LB Rating, Add	*153.78*	
		For 200 LB Rating, Add	*188.51*	
		For 250 LB Rating, Add	*223.23*	
		For 300 LB Rating, Add	*272.84*	
		For Work In Restricted Working Space, Add	*43.08*	

23 05 23 00-0183 Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0170)*

23 05 23 00-0184	EA	2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	477.99	18.44
		For 150 LB Rating, Add	*119.62*	
		For 200 LB Rating, Add	*146.63*	
		For 250 LB Rating, Add	*173.64*	
		For 300 LB Rating, Add	*212.22*	
		For Chain Operated Type, Add	*322.19*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0185	EA	2-1/2" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	592.15	24.92
		For 150 LB Rating, Add	*144.99*	
		For 200 LB Rating, Add	*177.73*	
		For 250 LB Rating, Add	*210.47*	
		For 300 LB Rating, Add	*257.24*	
		For Chain Operated Type, Add	*390.53*	
		For Work In Restricted Working Space, Add	*37.34*	
23 05 23 00-0186	EA	3" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	704.85	28.93
		For 150 LB Rating, Add	*173.99*	
		For 200 LB Rating, Add	*213.28*	
		For 250 LB Rating, Add	*252.56*	
		For 300 LB Rating, Add	*308.69*	
		For Chain Operated Type, Add	*468.64*	
		For Work In Restricted Working Space, Add	*43.08*	
23 05 23 00-0187	EA	4" Threaded, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	911.63	32.67
		For 150 LB Rating, Add	*231.98*	
		For 200 LB Rating, Add	*284.37*	
		For 250 LB Rating, Add	*336.75*	
		For 300 LB Rating, Add	*411.58*	
		For Chain Operated Type, Add	*624.86*	
		For Work In Restricted Working Space, Add	*48.99*	

23 05 23 00-0188 Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valves *(23 05 23 00-0170)*

23 05 23 00-0189	EA	2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	368.02	135.10
		For 150 LB Rating, Add	*61.72*	
		For 250 LB Rating, Add	*89.60*	
		For Chain Operated Type, Add	*99.56*	
		For Work In Restricted Working Space, Add	*50.67*	
23 05 23 00-0190	EA	2-1/2" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	412.44	135.34
		For 150 LB Rating, Add	*75.25*	
		For 250 LB Rating, Add	*109.23*	
		For Chain Operated Type, Add	*121.37*	
		For Work In Restricted Working Space, Add	*50.91*	
23 05 23 00-0191	EA	3" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	489.87	158.68
		For 150 LB Rating, Add	*90.30*	
		For 250 LB Rating, Add	*131.08*	
		For Chain Operated Type, Add	*145.64*	
		For Work In Restricted Working Space, Add	*59.58*	
23 05 23 00-0192	EA	4" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	721.73	266.01
		For 150 LB Rating, Add	*120.39*	
		For 250 LB Rating, Add	*174.77*	
		For Chain Operated Type, Add	*194.19*	
		For Work In Restricted Working Space, Add	*100.01*	
23 05 23 00-0193	EA	5" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	904.89	292.30
		For 150 LB Rating, Add	*167.42*	
		For 250 LB Rating, Add	*243.03*	
		For Chain Operated Type, Add	*270.04*	
		For Work In Restricted Working Space, Add	*109.45*	
23 05 23 00-0194	EA	6" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,090.11	324.78
		For 150 LB Rating, Add	*211.63*	
		For 250 LB Rating, Add	*307.21*	
		For Chain Operated Type, Add	*341.34*	
		For Work In Restricted Working Space, Add	*122.23*	
23 05 23 00-0195	EA	8" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	1,565.33	415.00
		For 150 LB Rating, Add	*325.44*	
		For 250 LB Rating, Add	*472.41*	
		For Chain Operated Type, Add	*524.91*	
		For Work In Restricted Working Space, Add	*154.66*	
23 05 23 00-0196	EA	10" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	2,230.49	505.21
		For 150 LB Rating, Add	*495.68*	
		For 250 LB Rating, Add	*719.54*	
		For Chain Operated Type, Add	*799.49*	
		For Work In Restricted Working Space, Add	*189.45*	
23 05 23 00-0197	EA	12" Flanged, 125 LB, Outside Stem And Yoke, Iron Body, Globe Valve	3,791.18	613.47
		For 150 LB Rating, Add	*937.97*	
		For 250 LB Rating, Add	*1,361.57*	
		For Chain Operated Type, Add	*1,512.86*	
		For Work In Restricted Working Space, Add	*229.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0198		**Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valves** *(23 05 23 00-0170)*		
23 05 23 00-0199	EA	1/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	58.92	10.14
		For 150 LB Rating, Add	*8.13*	
		For 200 LB Rating, Add	*9.96*	
		For 300 LB Rating, Add	*14.42*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0200	EA	1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	55.73	10.14
		For 150 LB Rating, Add	*8.13*	
		For 200 LB Rating, Add	*9.96*	
		For 300 LB Rating, Add	*14.42*	
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0201	EA	3/8" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	57.28	10.14
		For 150 LB Rating, Add	*8.13*	
		For 200 LB Rating, Add	*9.96*	
		For 300 LB Rating, Add	*14.42*	
		For Work In Restricted Working Space, Add	*9.32*	
23 05 23 00-0202	EA	1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	60.66	10.14
		For 150 LB Rating, Add	*8.67*	
		For 200 LB Rating, Add	*10.62*	
		For 300 LB Rating, Add	*15.38*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0203	EA	3/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	82.84	10.64
		For 150 LB Rating, Add	*12.02*	
		For 200 LB Rating, Add	*14.74*	
		For 300 LB Rating, Add	*21.33*	
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0204	EA	1" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	104.22	10.64
		For 150 LB Rating, Add	*15.77*	
		For 200 LB Rating, Add	*19.33*	
		For 300 LB Rating, Add	*27.98*	
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0205	EA	1-1/4" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	143.16	13.48
		For 150 LB Rating, Add	*23.43*	
		For 200 LB Rating, Add	*28.72*	
		For 300 LB Rating, Add	*41.57*	
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0206	EA	1-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	166.09	15.61
		For 150 LB Rating, Add	*27.32*	
		For 200 LB Rating, Add	*33.49*	
		For 300 LB Rating, Add	*48.47*	
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0207	EA	2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	224.87	18.44
		For 150 LB Rating, Add	*41.15*	
		For 200 LB Rating, Add	*50.44*	
		For 300 LB Rating, Add	*73.01*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0208	EA	2-1/2" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	374.57	27.06
		For 150 LB Rating, Add	*74.23*	
		For 200 LB Rating, Add	*90.99*	
		For 300 LB Rating, Add	*131.69*	
		For Work In Restricted Working Space, Add	*40.54*	
23 05 23 00-0209	EA	3" Threaded Or Sweated, 125 LB, Bronze Body, Angle Globe Valve	561.42	31.42
		For 150 LB Rating, Add	*125.71*	
		For 200 LB Rating, Add	*154.09*	
		For 300 LB Rating, Add	*223.03*	
		For Work In Restricted Working Space, Add	*46.78*	
23 05 23 00-0210		**Flanged, 125 LB, Iron Body, Angle Globe Valves** *(23 05 23 00-0170)*		
23 05 23 00-0211	EA	2" Flanged, 125 LB, Iron Body, Angle Globe Valve	681.20	135.10
		For 250 LB Rating, Add	*307.37*	
		For Chain Operated Type, Add	*199.79*	
		For Work In Restricted Working Space, Add	*50.67*	
23 05 23 00-0212	EA	2-1/2" Flanged, 125 LB, Iron Body, Angle Globe Valve	775.58	135.34
		For 250 LB Rating, Add	*363.52*	
		For Chain Operated Type, Add	*236.29*	
		For Work In Restricted Working Space, Add	*50.91*	
23 05 23 00-0213	EA	3" Flanged, 125 LB, Iron Body, Angle Globe Valve	912.56	158.68
		For 250 LB Rating, Add	*428.38*	
		For Chain Operated Type, Add	*278.45*	
		For Work In Restricted Working Space, Add	*59.58*	
23 05 23 00-0214	EA	4" Flanged, 125 LB, Iron Body, Angle Globe Valve	1,353.11	266.01
		For 250 LB Rating, Add	*611.85*	
		For Chain Operated Type, Add	*397.70*	
		For Work In Restricted Working Space, Add	*100.01*	
23 05 23 00-0215	EA	5" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,192.40	292.30
		For 250 LB Rating, Add	*1,096.55*	
		For Chain Operated Type, Add	*712.76*	
		For Work In Restricted Working Space, Add	*109.45*	
23 05 23 00-0216	EA	6" Flanged, 125 LB, Iron Body, Angle Globe Valve	2,235.01	324.78
		For 250 LB Rating, Add	*1,096.55*	
		For Chain Operated Type, Add	*712.76*	
		For Work In Restricted Working Space, Add	*122.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0217	EA	8" Flanged, 125 LB, Iron Body, Angle Globe Valve	4,092.46	415.00
		For 250 LB Rating, Add	*2,146.16*	
		For Chain Operated Type, Add	*1,395.01*	
		For Work In Restricted Working Space, Add	*154.66*	

23 05 23 00-0218 Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valves *(23 05 23 00-0170)*

Note: 800 PSIG at 850 degrees F.

23 05 23 00-0219	EA	1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	197.20	16.42
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0220	EA	1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	200.39	16.42
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0221	EA	3/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	234.83	22.09
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0222	EA	1" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	290.27	26.66
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0223	EA	1-1/4" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	473.73	33.74
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0224	EA	1-1/2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	568.74	39.01
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0225	EA	2" Class 800 Outside Stem And Yoke, Threaded, Chrome Trim, Bolted Bonnet, Forged Steel, Globe Valve	724.45	46.11
		For Work In Restricted Working Space, Add	*27.64*	

23 05 23 00-0226 Triple Duty Valves *(23 05 23)*

Note: Valves function as a shut-off, check valve and calibrated balancing valve.

23 05 23 00-0227 Straight Pattern, Triple Duty Valves *(23 05 23 00-0226)*

Note: Bell & Gossett 3DX and 3DS-S Series.

23 05 23 00-0228	EA	1" Threaded, Straight Pattern, Triple Duty Valve	249.78	10.64
23 05 23 00-0229	EA	1-1/4" Threaded, Straight Pattern, Triple Duty Valve	289.92	13.48
23 05 23 00-0230	EA	1-1/2" Threaded, Straight Pattern, Triple Duty Valve	315.18	15.61
23 05 23 00-0231	EA	2" Flanged, Straight Pattern, Triple Duty Valve	813.91	135.10
23 05 23 00-0232	EA	2-1/2" Flanged, Straight Pattern, Triple Duty Valve	914.80	135.34
23 05 23 00-0233	EA	3" Flanged, Straight Pattern, Triple Duty Valve	1,002.99	158.68
23 05 23 00-0234	EA	4" Flanged, Straight Pattern, Triple Duty Valve	2,045.96	266.01
23 05 23 00-0235	EA	5" Flanged, Straight Pattern Triple Duty Valve	2,385.09	292.30
23 05 23 00-0236	EA	6" Flanged, Straight Pattern, Triple Duty Valve	3,165.38	324.78
23 05 23 00-0237	EA	8" Flanged, Straight Pattern, Triple Duty Valve	4,259.51	415.00
23 05 23 00-0238	EA	10" Flanged, Straight Pattern, Triple Duty Valve	6,814.65	505.21

23 05 23 00-0239 Flanged, Angle Pattern, Triple Duty Valves *(23 05 23 00-0226)*

Note: Bell & Gossett 3D-S Series.

23 05 23 00-0240	EA	2" Flanged, Angle Pattern, Triple Duty Valve	795.38	135.10
23 05 23 00-0241	EA	2-1/2" Flanged, Angle Pattern, Triple Duty Valve	892.56	135.34
23 05 23 00-0242	EA	3" Flanged, Angle Pattern, Triple Duty Valve	984.46	158.68
23 05 23 00-0243	EA	4" Flanged, Angle Pattern, Triple Duty Valve	1,997.77	266.01
23 05 23 00-0244	EA	5" Flanged, Angle Pattern, Triple Duty Valve	2,325.78	292.30
23 05 23 00-0245	EA	6" Flanged, Angle Pattern, Triple Duty Valve	2,609.34	324.78
23 05 23 00-0246	EA	8" Flanged, Angle Pattern, Triple Duty Valve	3,996.32	415.00
23 05 23 00-0247	EA	10" Flanged, Angle Pattern, Triple Duty Valve	5,335.59	505.21

23 05 23 00-0248 Balanced, Straight Pattern, Triple Duty Valves *(23 05 23 00-0226)*

Note: Bell & Gossett 3DS-B Series.

23 05 23 00-0249	EA	3" Flanged, Balanced, Straight Pattern, Triple Duty Valve	921.44	158.68
23 05 23 00-0250	EA	4" Flanged, Balanced, Straight Pattern, Triple Duty Valve	1,830.96	266.01
23 05 23 00-0251	EA	5" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,136.73	292.30
23 05 23 00-0252	EA	6" Flanged, Balanced, Straight Pattern, Triple Duty Valve	2,828.05	324.78
23 05 23 00-0253	EA	8" Flanged, Balanced, Straight Pattern, Triple Duty Valve	3,799.85	415.00
23 05 23 00-0254	EA	10" Flanged, Balanced, Straight Pattern, Triple Duty Valve	6,047.32	505.21
23 05 23 00-0255	EA	12" Flanged, Balanced, Straight Pattern, Triple Duty Valve	9,083.99	613.47
23 05 23 00-0256	EA	14" Flanged, Balanced, Straight Pattern, Triple Duty Valve	11,038.27	721.73
23 05 23 00-0257	EA	16" Flanged, Balanced, Straight Pattern, Triple Duty Valve	13,815.36	793.91

23 05 23 00-0258 Grooved Straight Pattern, Triple Duty Valves *(23 05 23 00-0226)*

Note: Bell & Gossett 3DS-G Series.

23 05 23 00-0259	EA	2" Grooved, Straight Pattern, Triple Duty Valve	852.51	25.04
23 05 23 00-0260	EA	2-1/2" Grooved, Straight Pattern, Triple Duty Valve	1,016.30	29.87
23 05 23 00-0261	EA	3" Grooved, Straight Pattern, Triple Duty Valve	1,182.86	32.39
23 05 23 00-0262	EA	4" Grooved, Straight Pattern, Triple Duty Valve	1,961.80	34.91
23 05 23 00-0263	EA	5" Grooved, Straight Pattern, Triple Duty Valve	2,274.19	46.01
23 05 23 00-0264	EA	6" Grooved, Straight Pattern Triple Duty Valve	3,031.70	59.00
23 05 23 00-0265	EA	8" Grooved, Straight Pattern Triple Duty Valve	4,122.76	74.88
23 05 23 00-0266	EA	10" Grooved, Straight Pattern Triple Duty Valve	6,502.21	83.90
23 05 23 00-0267	EA	12" Grooved, Straight Pattern Triple Duty Valve	10,320.37	102.30

23 05 23 00-0268 Plug Valves *(23 05 23)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0269		**Plug Valves, Lubricated, Semisteel Screwed, Wrench Operated** *(23 05 23 00-0268)*		
		Note: Includes wrench.		
23 05 23 00-0270	EA	1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	277.98	10.14
23 05 23 00-0271	EA	3/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	289.34	11.15
23 05 23 00-0272	EA	1" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	366.20	12.67
23 05 23 00-0273	EA	1-1/4" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	438.00	13.48
23 05 23 00-0274	EA	1-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	480.93	15.61
23 05 23 00-0275	EA	2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	567.68	18.44
23 05 23 00-0276	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	852.79	24.92
23 05 23 00-0277	EA	3" Diameter Plug Valve, Semi-Steel, Screwed Lubricated, 200 PSI, Wrench Operated, With Wrench	1,044.64	28.93
23 05 23 00-0278		**Plug Valves, Lubricated, Semisteel Flanged** *(23 05 23 00-0268)*		
		Note: Wrench operated for 4", gear operated for 6" and 10".		
23 05 23 00-0279	EA	2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	381.54	135.10
23 05 23 00-0280	EA	2-1/2" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	449.79	135.34
23 05 23 00-0281	EA	3" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	550.53	158.68
23 05 23 00-0282	EA	4" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	809.94	266.01
23 05 23 00-0283	EA	6" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	1,678.80	324.78
23 05 23 00-0284	EA	8" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	2,806.04	415.00
23 05 23 00-0285	EA	10" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	4,448.55	505.21
23 05 23 00-0286	EA	12" Diameter Plug Valve, Semi-Steel, Flanged, 175 PSI, Wrench Operated, With Wrench	6,559.22	613.47
23 05 23 00-0287		**Plug Valves, Forged Steel, Screwed** *(23 05 23 00-0268)*		
23 05 23 00-0288	EA	1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,081.87	10.14
23 05 23 00-0289	EA	3/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,277.57	11.15
23 05 23 00-0290	EA	1" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,443.89	12.67
23 05 23 00-0291	EA	1-1/4" Plug Valve, 1,500 LB, Forged Steel, Screwed	1,731.98	13.48
23 05 23 00-0292	EA	1-1/2" Plug Valve, 1,500 LB, Forged Steel, Screwed	2,016.99	15.61
23 05 23 00-0293	EA	2" Plug Valve, 1,500 LB, Forged Steel, Screwed	2,654.74	18.44
23 05 23 00-0294		**Plug Valves, Eccentric, Cast Iron Flanged** *(23 05 23 00-0268)*		
23 05 23 00-0295	EA	4" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	835.42	266.01
23 05 23 00-0296	EA	6" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,268.34	324.78
23 05 23 00-0297	EA	8" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	1,715.54	415.00
23 05 23 00-0298	EA	10" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	2,407.67	505.21
23 05 23 00-0299	EA	12" Diameter Plug Valve, Eccentric, Cast Iron, Flanged, 175 PSI	3,096.36	613.47
23 05 23 00-0300		**Foot Valves** *(23 05 23)*		
23 05 23 00-0301		**Single Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0300)*		
23 05 23 00-0302	EA	1" Single Poppet Foot Valve, Metal To Metal Seat Construction	86.99	25.35
23 05 23 00-0303	EA	1-1/4" Single Poppet Foot Valve, Metal To Metal Seat Construction	99.09	28.39
23 05 23 00-0304	EA	1-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	128.08	32.45
23 05 23 00-0305	EA	2" Single Poppet Foot Valve, Metal To Metal Seat Construction	169.81	36.50
23 05 23 00-0306	EA	2-1/2" Single Poppet Foot Valve, Metal To Metal Seat Construction	392.64	59.82
23 05 23 00-0307	EA	3" Single Poppet Foot Valve, Metal To Metal Seat Construction	502.93	73.00
23 05 23 00-0308		**Double Poppet Foot Valves, Metal To Metal Seat Construction** *(23 05 23 00-0300)*		
23 05 23 00-0309	EA	1" Double Poppet Foot Valve, Metal To Metal Seat Construction	86.99	25.35
23 05 23 00-0310	EA	1-1/4" Double Poppet Foot Valve, Metal To Metal Seat Construction	192.35	28.39
23 05 23 00-0311	EA	1-1/2" Double Poppet Foot Valve, Metal To Metal Seat Construction	181.88	32.45
23 05 23 00-0312	EA	2" Double Poppet Foot Valve, Metal To Metal Seat Construction	248.69	36.50
23 05 23 00-0313	EA	3" Double Poppet Foot Valve, Metal To Metal Seat Construction	490.43	59.82
23 05 23 00-0314	EA	4" Double Poppet Foot Valve, Metal To Metal Seat Construction	668.86	71.99
23 05 23 00-0315		**Float Valves** *(23 05 23)*		
23 05 23 00-0316		**Float Valve Assembly For Maintaining Liquid Level In Tanks** *(23 05 23 00-0315)*		
23 05 23 00-0317		**Single Seat, Bronze Construction** *(23 05 23 00-0316)*		
		Note: For storage tanks, reservoirs, cooling towers and filtration plants.		
23 05 23 00-0318	EA	Inlet Size 1/2", Maximum PSI 100, Single Seat Float Valve	211.17	21.29
23 05 23 00-0319	EA	Inlet Size 3/4", Maximum PSI 100, Single Seat Float Valve	241.84	25.34
23 05 23 00-0320	EA	Inlet Size 1", Maximum PSI 100, Single Seat Float Valve	315.21	27.36
23 05 23 00-0321	EA	Inlet Size 1-1/4", Maximum PSI 90, Single Seat Float Valve	528.56	34.46
23 05 23 00-0322	EA	Inlet Size 1-1/2", Maximum PSI 90, Single Seat Float Valve	538.70	39.53
23 05 23 00-0323		**Double Seat, Bronze Construction** *(23 05 23 00-0316)*		
		Note: For hot or cold water or oil to open tanks.		
23 05 23 00-0324	EA	Pipe Size 1/2" Maximum PSI 150, Double Seat Float Valve	1,155.13	21.29
23 05 23 00-0325	EA	Pipe Size 3/4" Maximum PSI 150, Double Seat Float Valve	1,163.25	25.34
23 05 23 00-0326	EA	Pipe Size 1" Maximum PSI 150, Double Seat Float Valve	1,343.28	27.36
23 05 23 00-0327	EA	Pipe Size 1-1/4" Maximum PSI 150, Double Seat Float Valve	1,483.90	34.46
23 05 23 00-0328	EA	Pipe Size 1-1/2" Maximum PSI 150, Double Seat Float Valve	1,696.33	39.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0329	EA	Pipe Size 2" Maximum PSI 150, Double Seat Float Valve	2,226.35	46.62
23 05 23 00-0330	EA	Pipe Size 2-1/2" Maximum PSI 150, Double Seat Float Valve	2,586.97	62.53
23 05 23 00-0331	EA	Pipe Size 3" Maximum PSI 150, Double Seat Float Valve	3,112.29	71.87
23 05 23 00-0332		Float Valve Single Seated Balanced For Air Oil Or Water *(23 05 23 00-0315)*		
		Note: Includes arm, ball and bracket.		
23 05 23 00-0333		Brass Body Threaded Ends *(23 05 23 00-0332)*		
23 05 23 00-0334	EA	1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	219.30	27.46
23 05 23 00-0335	EA	3/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	248.09	30.51
23 05 23 00-0336	EA	1" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	308.46	33.74
23 05 23 00-0337	EA	1-1/4" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	492.88	54.53
23 05 23 00-0338	EA	1-1/2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	514.76	62.13
23 05 23 00-0339	EA	2" Brass Body, Threaded Ends, Float Valve, Single Seated With Arm Ball And Bracket	577.56	77.02
23 05 23 00-0340		Cast Iron Body Flanged *(23 05 23 00-0332)*		
23 05 23 00-0341	EA	2-1/2" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	7,279.54	135.34
23 05 23 00-0342	EA	3" Cast Iron Body, Flanged, Float Valve, Single Seated With Arm Ball And Bracket	8,802.84	158.68
23 05 23 00-0343		Float Operated Valves *(23 05 23 00-0315)*		
23 05 23 00-0344		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0343)*		
		Note: Cast iron body, self-contained, float in-line mount.		
23 05 23 00-0345	EA	1" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	803.00	47.63
23 05 23 00-0346		For Condensate Receivers Tanks And Vessels *(23 05 23 00-0343)*		
		Note: Cast iron body, external float tank mount, flanged.		
23 05 23 00-0347	EA	3/4" Inlet, Float Operated Valve, Single Seated With Arm Ball And Bracket	1,004.63	88.67
23 05 23 00-0348		Needle Valves *(23 05 23)*		
23 05 23 00-0349		Bronze Needle Valve *(23 05 23 00-0348)*		
		Note: For heating and cooling applications.		
23 05 23 00-0350	EA	1/4" Needle Valve, Bronze	109.21	10.14
23 05 23 00-0351	EA	3/8" Needle Valve, Bronze	121.99	10.14
23 05 23 00-0352	EA	1/2" Needle Valve, Bronze	133.59	10.14
23 05 23 00-0353	EA	3/4" Needle Valve, Bronze	203.41	11.15
23 05 23 00-0354	EA	1" Needle Valve, Bronze	313.28	12.67
23 05 23 00-0355		Eccentric Valves With Taps *(23 05 23)*		
23 05 23 00-0356		Screwed Eccentric Valves With Taps *(23 05 23 00-0355)*		
23 05 23 00-0357	EA	1/2" Diameter Eccentric Valves With Taps, Screwed	153.50	10.14
23 05 23 00-0358	EA	3/4" Diameter Eccentric Valves With Taps, Screwed	166.71	11.15
23 05 23 00-0359	EA	1" Diameter Eccentric Valves With Taps, Screwed	209.45	12.67
23 05 23 00-0360	EA	1-1/4" Diameter Eccentric Valves With Taps, Screwed	255.27	13.48
23 05 23 00-0361	EA	1-1/2" Diameter Eccentric Valves With Taps, Screwed	280.53	15.61
23 05 23 00-0362	EA	2" Diameter Eccentric Valves With Taps, Screwed	330.01	18.44
23 05 23 00-0363	EA	2-1/2" Diameter Eccentric Valves With Taps, Screwed	492.41	24.92
23 05 23 00-0364	EA	3" Diameter Eccentric Valves With Taps, Screwed	595.19	28.93
23 05 23 00-0365		Flanged Eccentric Valves With Taps *(23 05 23 00-0355)*		
23 05 23 00-0366	EA	2-1/2" Diameter Eccentric Valves With Taps, Flanged	606.43	135.34
23 05 23 00-0367	EA	3" Diameter Eccentric Valves With Taps, Flanged	718.94	158.68
23 05 23 00-0368	EA	4" Diameter Eccentric Valves With Taps, Flanged	993.09	266.01
23 05 23 00-0369	EA	5" Diameter Eccentric Valves With Taps, Flanged	1,294.02	292.30
23 05 23 00-0370	EA	6" Diameter Eccentric Valves With Taps, Flanged	1,615.39	324.78
23 05 23 00-0371	EA	8" Diameter Eccentric Valves With Taps, Flanged	2,699.14	415.00
23 05 23 00-0372	EA	10" Diameter Eccentric Valves With Taps, Flanged	3,744.33	505.21
23 05 23 00-0373	EA	12" Diameter Eccentric Valves With Taps, Flanged	6,294.21	613.47
23 05 23 00-0374		Earthquake-Sensitive Gas Shut-Off Valve *(23 05 23)*		
23 05 23 00-0375		0.5 PSI Threaded Earthquake Gas Shutoff Valves *(23 05 23 00-0374)*		
23 05 23 00-0376	EA	3/4" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	155.11	11.15
23 05 23 00-0377	EA	1" Diameter Threaded, 0.5 PSI Earthquake Gas Shutoff Valve	175.60	12.67
23 05 23 00-0378		7 PSI Threaded Earthquake Gas Shutoff Valves *(23 05 23 00-0374)*		
23 05 23 00-0379	EA	1-1/4" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	205.11	13.48
23 05 23 00-0380	EA	1-1/2" Diameter Threaded, 7 PSI Earthquake Gas Shutoff Valve	276.63	15.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0381		**60 PSI Threaded Earthquake Gas Shutoff Valves** *(23 05 23 00-0374)*		
23 05 23 00-0382	EA	3/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	191.79	11.15
23 05 23 00-0383	EA	1" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	201.07	12.67
23 05 23 00-0384	EA	1-1/4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	225.48	13.48
23 05 23 00-0385	EA	1-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	307.19	15.61
23 05 23 00-0386	EA	2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	703.41	18.44
23 05 23 00-0387	EA	2-1/2" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	837.16	24.83
23 05 23 00-0388	EA	3" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,085.99	28.93
23 05 23 00-0389	EA	4" Diameter Threaded, 60 PSI Earthquake Gas Shutoff Valve	1,258.57	32.67
23 05 23 00-0390		**60 PSI Flanged Earthquake Gas Shutoff Valves** *(23 05 23 00-0374)*		
23 05 23 00-0391	EA	2" Flanged, 60 PSI Earthquake Gas Shutoff Valve	983.95	135.10
23 05 23 00-0392	EA	3" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,212.30	158.68
23 05 23 00-0393	EA	4" Flanged, 60 PSI Earthquake Gas Shutoff Valve	1,708.74	266.01
23 05 23 00-0394	EA	6" Flanged, 60 PSI Earthquake Gas Shutoff Valve	2,801.61	324.78
23 05 23 00-0395	EA	8" Flanged, 60 PSI Earthquake Gas Shutoff Valve	7,545.24	415.00
23 05 23 00-0396		**Emergency Shut-Off Valve With Fusible Link** *(23 05 23)*		
23 05 23 00-0397		**Threaded, Fusible Brass Gate Valves (Morrison Bros. 939)** *(23 05 23 00-0396)*		
		Note: Brass globe/gate valve used to shut off product flow in the event of a fire. Fusible element in the handwheel automatically closes the valve when in contact with 165º F.		
23 05 23 00-0398	EA	1/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	64.80	16.32
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0399	EA	3/8" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	66.39	17.22
		For Work In Restricted Working Space, Add	*9.33*	
23 05 23 00-0400	EA	1/2" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	105.33	16.32
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0401	EA	3/4" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	205.32	21.99
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0402	EA	1" Diameter Threaded, Fusible Brass Gate Valve (Morrison Bros. 939 Series)	510.54	26.66
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0403		**Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)** *(23 05 23 00-0396)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0404	EA	1-1/2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	393.76	15.61
23 05 23 00-0405	EA	2" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	425.74	18.44
23 05 23 00-0406	EA	3" Diameter Threaded, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	713.77	28.93
23 05 23 00-0407		**Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)** *(23 05 23 00-0396)*		
		Note: Ductile iron body, cap, seat and swing arm. Viton® encapsulated Teflon® o-ring, Teflon® gasket, and stainless steel spring.		
23 05 23 00-0408	EA	2" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	585.75	135.10
23 05 23 00-0409	EA	3" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	945.63	158.68
23 05 23 00-0410	EA	4" Diameter Flanged, Ductile Iron Emergency Gas Shutoff Valves (Morrison Bros. 346-DI)	2,149.66	266.01
23 05 23 00-0411		**Check Valves** *(23 05 23)*		
23 05 23 00-0412		**Iron Body Wafer Type Check Valve** *(23 05 23 00-0411)*		
23 05 23 00-0413		**Single Disk Type** *(23 05 23 00-0412)*		
23 05 23 00-0414	EA	2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	439.61	135.16
		For 150 LB Rating, Add	*56.83*	
		For 200 LB Rating, Add	*67.66*	
		For 300 LB Rating, Add	*81.19*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*155.58*	
23 05 23 00-0415	EA	2-1/2" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	524.37	135.43
		For 150 LB Rating, Add	*74.46*	
		For 200 LB Rating, Add	*88.64*	
		For 300 LB Rating, Add	*106.37*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*193.51*	
23 05 23 00-0416	EA	3" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	646.87	158.78
		For 150 LB Rating, Add	*94.11*	
		For 200 LB Rating, Add	*112.04*	
		For 300 LB Rating, Add	*134.45*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*241.41*	
23 05 23 00-0417	EA	4" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	940.57	266.18
		For 150 LB Rating, Add	*127.47*	
		For 200 LB Rating, Add	*151.75*	
		For 300 LB Rating, Add	*182.10*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*339.86*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0418	EA	6" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,417.76	373.59
		For 150 LB Rating, Add	*199.66*	
		For 200 LB Rating, Add	*237.70*	
		For 300 LB Rating, Add	*285.23*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*521.25*	
23 05 23 00-0419	EA	8" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	1,994.17	429.63
		For 150 LB Rating, Add	*306.41*	
		For 200 LB Rating, Add	*364.77*	
		For 300 LB Rating, Add	*437.72*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*763.60*	
23 05 23 00-0420	EA	10" Check Valve, Single Disc Type, Iron Body Wafer Type, 125 LB	2,989.01	523.03
		For 150 LB Rating, Add	*489.39*	
		For 200 LB Rating, Add	*582.61*	
		For 300 LB Rating, Add	*699.13*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,180.41*	

23 05 23 00-0421 Twin Disc Type *(23 05 23 00-0412)*

23 05 23 00-0422	EA	2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	538.01	135.16
		For 150 LB Rating, Add	*77.49*	
		For 200 LB Rating, Add	*92.26*	
		For 300 LB Rating, Add	*110.71*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*199.86*	
23 05 23 00-0423	EA	2-1/2" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	612.68	135.43
		For 150 LB Rating, Add	*93.00*	
		For 200 LB Rating, Add	*110.72*	
		For 300 LB Rating, Add	*132.86*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*233.25*	
23 05 23 00-0424	EA	3" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	715.43	158.78
		For 150 LB Rating, Add	*108.51*	
		For 200 LB Rating, Add	*129.18*	
		For 300 LB Rating, Add	*155.02*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*272.27*	
23 05 23 00-0425	EA	4" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	989.77	266.18
		For 150 LB Rating, Add	*137.80*	
		For 200 LB Rating, Add	*164.05*	
		For 300 LB Rating, Add	*196.86*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*362.00*	
23 05 23 00-0426	EA	6" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	1,525.13	373.59
		For 150 LB Rating, Add	*222.21*	
		For 200 LB Rating, Add	*264.54*	
		For 300 LB Rating, Add	*317.45*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*569.56*	
23 05 23 00-0427	EA	8" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	2,149.67	429.63
		For 150 LB Rating, Add	*339.35*	
		For 200 LB Rating, Add	*403.99*	
		For 300 LB Rating, Add	*484.79*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*833.93*	
23 05 23 00-0428	EA	10" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	3,213.25	513.68
		For 150 LB Rating, Add	*537.43*	
		For 200 LB Rating, Add	*639.80*	
		For 300 LB Rating, Add	*767.76*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,282.45*	
23 05 23 00-0429	EA	12" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	4,220.29	635.10
		For 150 LB Rating, Add	*720.05*	
		For 200 LB Rating, Add	*857.20*	
		For 300 LB Rating, Add	*1,028.64*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*1,701.26*	
23 05 23 00-0430	EA	14" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	7,970.28	748.48
		For 150 LB Rating, Add	*1,464.18*	
		For 200 LB Rating, Add	*1,743.08*	
		For 300 LB Rating, Add	*2,091.69*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*3,337.13*	
23 05 23 00-0431	EA	16" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	10,941.04	878.22
		For 150 LB Rating, Add	*2,067.09*	
		For 200 LB Rating, Add	*2,460.82*	
		For 300 LB Rating, Add	*2,952.98*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*4,649.03*	
23 05 23 00-0432	EA	18" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	14,584.39	978.02
		For 150 LB Rating, Add	*2,806.57*	
		For 200 LB Rating, Add	*3,341.16*	
		For 300 LB Rating, Add	*4,009.39*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*6,258.04*	
23 05 23 00-0433	EA	20" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	17,354.67	1,097.77
		For 150 LB Rating, Add	*3,356.31*	
		For 200 LB Rating, Add	*3,995.61*	
		For 300 LB Rating, Add	*4,794.74*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*7,466.55*	
23 05 23 00-0434	EA	24" Check Valve, Twin Disc Type, Iron Body Wafer Type, 125 LB	22,689.29	1,347.27
		For 150 LB Rating, Add	*4,410.08*	
		For 200 LB Rating, Add	*5,250.10*	
		For 300 LB Rating, Add	*6,300.12*	
		For 300 LB Rating, Cast Steel, Weld End, Wedge, Add	*9,787.96*	

23 05 23 00-0435 Lift Check Valves *(23 05 23 00-0411)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0436		**Bronze Body, Threaded, Vertical Lift Check Valves** *(23 05 23 00-0435)* Note: Watts #600 series.		
23 05 23 00-0437	EA	3/8" Lift Check Valve, Bronze, Threaded	112.30	10.14
23 05 23 00-0438	EA	1/2" Lift Check Valve, Bronze, Threaded	118.85	10.14
23 05 23 00-0439	EA	3/4" Lift Check Valve, Bronze, Threaded	151.36	10.64
23 05 23 00-0440	EA	1" Lift Check Valve, Bronze, Threaded	199.78	10.64
23 05 23 00-0441	EA	1-1/4" Lift Check Valve, Bronze, Threaded	277.47	13.48
23 05 23 00-0442	EA	1-1/2" Lift Check Valve, Bronze, Threaded	337.86	15.61
23 05 23 00-0443	EA	2" Lift Check Valve, Bronze, Threaded	482.90	18.44
23 05 23 00-0444		**Bronze Body, Threaded, 300 LB, Lift Check Valves** *(23 05 23 00-0435)* Note: Crane 366E.		
23 05 23 00-0445	EA	1/2" Lift Check Valve, Bronze, Threaded, 300 LB	707.48	10.14
23 05 23 00-0446	EA	3/4" Lift Check Valve, Bronze, Threaded, 300 LB	859.04	10.64
23 05 23 00-0447	EA	1" Lift Check Valve, Bronze, Threaded, 300 LB	1,543.13	10.64
23 05 23 00-0448	EA	1-1/4" Lift Check Valve, Bronze, Threaded, 300 LB	2,056.87	13.48
23 05 23 00-0449	EA	1-1/2" Lift Check Valve, Bronze, Threaded, 300 LB	2,233.79	15.61
23 05 23 00-0450	EA	2" Lift Check Valve, Bronze, Threaded, 300 LB	2,870.12	18.44
23 05 23 00-0451		**Iron Body, Flanged, 125 LB Vertical Lift Check Valves** *(23 05 23 00-0435)* Note: Mueller 105MAP.		
23 05 23 00-0452	EA	2" Lift Check Valve, Iron Body, Flanged, 125 LB	1,024.30	135.10
23 05 23 00-0453	EA	2-1/2" Lift Check Valve, Iron Body, Flanged, 125 LB	905.49	135.34
23 05 23 00-0454	EA	3" Lift Check Valve, Iron Body, Flanged, 125 LB	991.93	158.68
23 05 23 00-0455	EA	4" Lift Check Valve, Iron Body, Flanged, 125 LB	1,399.49	266.01
23 05 23 00-0456	EA	5" Lift Check Valve, Iron Body, Flanged, 125 LB	1,736.28	292.30
23 05 23 00-0457	EA	6" Lift Check Valve, Iron Body, Flanged, 125 LB	2,125.50	324.78
23 05 23 00-0458	EA	8" Lift Check Valve, Iron Body, Flanged, 125 LB	3,660.11	415.00
23 05 23 00-0459	EA	10" Lift Check Valve, Iron Body, Flanged, 125 LB	4,590.71	505.21
23 05 23 00-0460	EA	12" Lift Check Valve, Iron Body, Flanged, 125 LB	7,352.46	613.47
23 05 23 00-0461	EA	14" Lift Check Valve, Iron Body, Flanged, 125 LB	10,065.82	873.03
23 05 23 00-0462	EA	16" Lift Check Valve, Iron Body, Flanged, 125 LB	11,150.98	960.34
23 05 23 00-0463		**Bronze Body Swing Check Valves** *(23 05 23 00-0411)*		
23 05 23 00-0464		**Bronze Body, Threaded, Brazed Or Soldered Installation, 125 LB, Swing Check Valves** *(23 05 23 00-0463)*		
23 05 23 00-0465	EA	1/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	75.35	10.14
		For 300 LB Rating, Add	*16.63*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0466	EA	1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	72.16	10.14
		For 300 LB Rating, Add	*16.63*	
		For Work In Restricted Working Space, Add	*8.85*	
23 05 23 00-0467	EA	3/8" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	73.71	10.14
		For 300 LB Rating, Add	*16.63*	
		For Work In Restricted Working Space, Add	*9.32*	
23 05 23 00-0468	EA	1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	77.02	10.14
		For 300 LB Rating, Add	*17.28*	
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0469	EA	3/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	97.76	10.64
		For 300 LB Rating, Add	*20.94*	
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0470	EA	1" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	126.26	10.64
		For 300 LB Rating, Add	*28.44*	
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0471	EA	1-1/4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	169.92	13.48
		For 300 LB Rating, Add	*39.92*	
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0472	EA	1-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	221.29	15.61
		For 300 LB Rating, Add	*55.90*	
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0473	EA	2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	276.41	18.44
		For 300 LB Rating, Add	*71.87*	
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0474	EA	2-1/2" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	548.07	24.92
		For 300 LB Rating, Add	*165.21*	
		For Work In Restricted Working Space, Add	*37.34*	
23 05 23 00-0475	EA	3" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	746.10	28.93
		For 300 LB Rating, Add	*234.98*	
		For Work In Restricted Working Space, Add	*43.08*	
23 05 23 00-0476	EA	4" Swing Check Valve, Bronze, Threaded, Brazed Or Soldered, 125 LB	845.13	32.67
		For 300 LB Rating, Add	*265.90*	
		For Work In Restricted Working Space, Add	*49.00*	
23 05 23 00-0477		**125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves** *(23 05 23 00-0411)*		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0478	EA	1" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	305.38	76.01
		For 150 LB Rating, Add	*142.64*	
		For 250 LB Rating, Add	*272.70*	
		For Work In Restricted Working Space, Add	*28.68*	
23 05 23 00-0479	EA	1-1/4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	341.26	88.68
		For 150 LB Rating, Add	*157.15*	
		For 250 LB Rating, Add	*300.43*	
		For Work In Restricted Working Space, Add	*33.05*	
23 05 23 00-0480	EA	1-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	384.00	106.41
		For 150 LB Rating, Add	*170.44*	
		For 250 LB Rating, Add	*325.85*	
		For Work In Restricted Working Space, Add	*40.01*	
23 05 23 00-0481	EA	2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	480.22	135.10
		For 150 LB Rating, Add	*211.69*	
		For 250 LB Rating, Add	*404.70*	
		For Work In Restricted Working Space, Add	*50.67*	
23 05 23 00-0482	EA	2-1/2" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	533.03	135.34
		For 150 LB Rating, Add	*247.06*	
		For 250 LB Rating, Add	*472.32*	
		For Work In Restricted Working Space, Add	*50.91*	
23 05 23 00-0483	EA	3" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	593.40	158.68
		For 150 LB Rating, Add	*268.47*	
		For 250 LB Rating, Add	*513.25*	
		For Work In Restricted Working Space, Add	*59.58*	
23 05 23 00-0484	EA	4" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	943.52	266.01
		For 150 LB Rating, Add	*414.91*	
		For 250 LB Rating, Add	*793.21*	
		For Work In Restricted Working Space, Add	*100.01*	
23 05 23 00-0485	EA	5" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,260.65	292.30
		For 150 LB Rating, Add	*609.16*	
		For 250 LB Rating, Add	*1,164.58*	
		For Work In Restricted Working Space, Add	*109.45*	
23 05 23 00-0486	EA	6" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	1,446.11	324.78
		For 150 LB Rating, Add	*706.30*	
		For 250 LB Rating, Add	*1,350.28*	
		For Work In Restricted Working Space, Add	*122.23*	
23 05 23 00-0487	EA	8" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	3,108.72	415.00
		For 150 LB Rating, Add	*1,763.38*	
		For 250 LB Rating, Add	*3,371.16*	
		For Work In Restricted Working Space, Add	*154.66*	
23 05 23 00-0488	EA	10" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	4,161.41	505.21
		For 150 LB Rating, Add	*2,400.33*	
		For 250 LB Rating, Add	*4,588.87*	
		For Work In Restricted Working Space, Add	*189.45*	
23 05 23 00-0489	EA	12" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	6,270.18	613.47
		For 150 LB Rating, Add	*3,743.20*	
		For 250 LB Rating, Add	*7,156.12*	
		For Work In Restricted Working Space, Add	*229.64*	
23 05 23 00-0490	EA	14" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	7,323.38	873.03
		For 150 LB Rating, Add	*4,237.81*	
		For 250 LB Rating, Add	*8,101.70*	
		For Work In Restricted Working Space, Add	*327.39*	
23 05 23 00-0491	EA	16" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	10,277.40	960.34
		For 150 LB Rating, Add	*6,172.35*	
		For 250 LB Rating, Add	*11,800.07*	
		For Work In Restricted Working Space, Add	*360.13*	
23 05 23 00-0492	EA	18" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	15,597.85	1,065.10
		For 150 LB Rating, Add	*9,701.20*	
		For 250 LB Rating, Add	*18,546.41*	
		For Work In Restricted Working Space, Add	*399.41*	
23 05 23 00-0493	EA	20" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	21,357.06	1,200.42
		For 150 LB Rating, Add	*13,502.44*	
		For 250 LB Rating, Add	*25,813.49*	
		For Work In Restricted Working Space, Add	*450.16*	
23 05 23 00-0494	EA	24" 125 LB Flanged, Iron Body, Bronze Trim, Swing Check Valves	29,639.46	1,473.25
		For 150 LB Rating, Add	*18,902.57*	
		For 250 LB Rating, Add	*36,137.27*	
		For Work In Restricted Working Space, Add	*552.47*	

23 05 23 00-0495 Class 800 Forged Steel, Screwed, Chrome Trim, Bolted Bonnet, Piston Check, Swing Check Valves *(23 05 23 00-0411)*

Note: 800 PSIG at 850 Degrees F.

23 05 23 00-0496	EA	1/2" Class 800, Threaded, Forged Steel Swing Check Valve	180.39	10.14
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0497	EA	3/4" 800, Threaded, Forged Steel Swing Check Valve	211.75	11.15
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0498	EA	1" Class 800, Threaded, Forged Steel Swing Check Valve	250.27	12.67
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0499	EA	1-1/4" Class 800, Threaded, Forged Steel Swing Check Valve	389.62	13.48
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0500	EA	1-1/2" 800, Threaded, Forged Steel Swing Check Valve	462.58	15.61
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0501	EA	2" Class 800, Threaded, Forged Steel Swing Check Valve	627.52	18.44
		For Work In Restricted Working Space, Add	*27.64*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0502		**Swing Check Valves, 150 LB Polyvinyl Chloride (PVC) Socket Weld End Connections** *(23 05 23 00-0411)*		
23 05 23 00-0503	EA	1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	52.80	10.14
		For Work In Restricted Working Space, Add	*9.81*	
23 05 23 00-0504	EA	3/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	64.16	11.15
		For Work In Restricted Working Space, Add	*13.22*	
23 05 23 00-0505	EA	1" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	74.23	12.67
		For Work In Restricted Working Space, Add	*16.00*	
23 05 23 00-0506	EA	1-1/4" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	89.32	13.48
		For Work In Restricted Working Space, Add	*20.27*	
23 05 23 00-0507	EA	1-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	100.97	15.61
		For Work In Restricted Working Space, Add	*23.39*	
23 05 23 00-0508	EA	2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	127.91	18.44
		For Work In Restricted Working Space, Add	*27.64*	
23 05 23 00-0509	EA	2-1/2" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	175.39	24.92
		For Work In Restricted Working Space, Add	*37.34*	
23 05 23 00-0510	EA	3" Check Valve, Duplex Polyvinyl Chloride (PVC), Socket Weld, 150 LB	209.69	28.93
		For Work In Restricted Working Space, Add	*43.08*	
23 05 23 00-0511		**Crimped Bronze, 200 PSI, Y-Pattern, Swing Check Valves** *(23 05 23 00-0411)* Note: Nibco®		
23 05 23 00-0512	EA	1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	134.15	10.14
		For Work In Restricted Working Space, Add	*6.84*	
23 05 23 00-0513	EA	3/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	170.58	11.15
		For Work In Restricted Working Space, Add	*7.79*	
23 05 23 00-0514	EA	1" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	235.48	12.67
		For Work In Restricted Working Space, Add	*9.31*	
23 05 23 00-0515	EA	1-1/4" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	313.44	13.48
		For Work In Restricted Working Space, Add	*10.26*	
23 05 23 00-0516	EA	1-1/2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	373.75	15.61
		For Work In Restricted Working Space, Add	*11.40*	
23 05 23 00-0517	EA	2" Crimped Bronze, 200 PSI, Y-Pattern Check Valve	534.27	18.44
		For Work In Restricted Working Space, Add	*13.68*	
23 05 23 00-0518		**Crimped Bronze, 250 PSI, In-Line, Check Valves** *(23 05 23 00-0411)*		
23 05 23 00-0519	EA	1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	44.65	10.14
23 05 23 00-0520	EA	3/4" Crimped Bronze, 200 PSI, In-Line Check Valve	53.94	11.15
23 05 23 00-0521	EA	1" Crimped Bronze, 200 PSI, In-Line Check Valve	63.27	12.67
23 05 23 00-0522	EA	1-1/4" Crimped Bronze, 200 PSI, In-Line Check Valve	80.81	13.48
23 05 23 00-0523	EA	1-1/2" Crimped Bronze, 200 PSI, In-Line Check Valve	104.17	15.61
23 05 23 00-0524	EA	2" Crimped Bronze, 200 PSI, In-Line Check Valve	166.02	18.44
23 05 23 00-0525		**Diaphragm Valves** *(23 05 23)*		
23 05 23 00-0526		**Polytetrafluoroethylene (PTFE) Or Viton Lined, Threaded Cast Iron Diaphragm Valves** *(23 05 23 00-0525)*		
23 05 23 00-0527	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	265.65	30.33
23 05 23 00-0528	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	342.39	33.60
23 05 23 00-0529	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	369.48	41.54
23 05 23 00-0530	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	587.85	62.07
23 05 23 00-0531	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	955.42	74.67
23 05 23 00-0532		**Polytetrafluoroethylene (PTFE) Or Viton Lined, Flanged Cast Iron Diaphragm Valves** *(23 05 23 00-0525)*		
23 05 23 00-0533	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	218.94	48.65
23 05 23 00-0534	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	253.59	50.68
23 05 23 00-0535	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	302.96	76.01
23 05 23 00-0536	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	455.88	106.41
23 05 23 00-0537	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	715.26	135.10
23 05 23 00-0538	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	902.86	135.34
23 05 23 00-0539	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,118.50	158.68
23 05 23 00-0540	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	1,596.17	266.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0541	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	3,236.59	324.78
23 05 23 00-0542	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Polytetrafluoroethylene (PTFE) or Viton Lined, Hand Wheel Operated	5,001.87	415.00

23 05 23 00-0543 Ethylene Propylene Diene Monomer (EPDM) Lined, Threaded Cast Iron Diaphragm Valves *(23 05 23 00-0525)*

23 05 23 00-0544	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	158.93	30.33
23 05 23 00-0545	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	210.37	33.60
23 05 23 00-0546	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	237.46	41.54
23 05 23 00-0547	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	408.08	62.07
23 05 23 00-0548	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Threaded, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	536.91	74.67

23 05 23 00-0549 Ethylene Propylene Diene Monomer (EPDM) Lined, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0525)*

23 05 23 00-0550	EA	1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	151.32	48.65
23 05 23 00-0551	EA	3/4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	176.27	50.68
23 05 23 00-0552	EA	1" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	225.62	76.01
23 05 23 00-0553	EA	1-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	350.57	106.41
23 05 23 00-0554	EA	2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	470.06	135.10
23 05 23 00-0555	EA	2-1/2" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	562.34	135.34
23 05 23 00-0556	EA	3" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	682.41	158.68
23 05 23 00-0557	EA	4" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	1,082.13	266.01
23 05 23 00-0558	EA	6" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	2,084.94	324.78
23 05 23 00-0559	EA	8" Diaphragm Valve, Cast Iron, 150 LB, Flanged, Ethylene Propylene Diene Monomer (EPDM) Lined, Hand Wheel Operated	3,175.25	415.00

23 05 23 00-0560 125 LB, Hand Wheel Operated, Flanged Cast Iron Diaphragm Valves *(23 05 23 00-0525)*

23 05 23 00-0561	EA	1" Diaphragm Valve, Cast Iron, 125 LB, Flanged	279.66	76.01
23 05 23 00-0562	EA	1-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	447.33	106.41
23 05 23 00-0563	EA	2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	599.27	135.10
23 05 23 00-0564	EA	2-1/2" Diaphragm Valve, Cast Iron, 125 LB, Flanged	840.95	135.34
23 05 23 00-0565	EA	3" Diaphragm Valve, Cast Iron, 125 LB, Flanged	932.08	158.68
23 05 23 00-0566	EA	4" Diaphragm Valve, Cast Iron, 125 LB, Flanged	1,467.43	266.01
23 05 23 00-0567	EA	6" Diaphragm Valve, Cast Iron, 125 LB, Flanged	2,870.45	324.78
23 05 23 00-0568	EA	8" Diaphragm Valve, Cast Iron, 125 LB, Flanged	5,880.00	415.00

23 05 23 00-0569 Solenoid Valves *(23 05 23)*

23 05 23 00-0570 Bronze Body Solenoid Valves, 150 PSI Maximum Water Pressure *(23 05 23 00-0569)*

23 05 23 00-0571	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Water	106.29	10.14
23 05 23 00-0572	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Water	123.23	10.14
23 05 23 00-0573	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Water	157.91	11.15
23 05 23 00-0574	EA	1" Solenoid Valve, Bronze, 150 PSI, Water	231.66	12.67
23 05 23 00-0575	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Water	407.17	15.61
23 05 23 00-0576	EA	2" Solenoid Valve, Bronze, 150 PSI, Water	634.92	18.44
23 05 23 00-0577	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Water	864.72	24.92
23 05 23 00-0578	EA	3" Solenoid Valve, Bronze, 150 PSI, Water	1,251.14	28.93

23 05 23 00-0579 Flow Control Valves And Meters *(23 05 23)*

23 05 23 00-0580 Conditioned Water Balancing Valves *(23 05 23 00-0579)*

Note: Working pressures up to 300 PSIG. Iron and bronze body construction (combination balancing, flow measuring and shut-off). Excludes portable read-out meter.

23 05 23 00-0581	EA	1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	138.81	51.71
23 05 23 00-0582	EA	3/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	167.24	68.95
23 05 23 00-0583	EA	1" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	314.04	78.78
23 05 23 00-0584	EA	1-1/4" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	412.62	97.34
23 05 23 00-0585	EA	1-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	480.76	103.43
23 05 23 00-0586	EA	2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	655.64	118.23
23 05 23 00-0587	EA	2-1/2" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,248.09	205.85
23 05 23 00-0588	EA	3" NPT Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,765.23	235.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0589	EA	3" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,395.76	158.78
23 05 23 00-0590	EA	4" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	1,731.54	266.18
23 05 23 00-0591	EA	6" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	2,025.96	336.23
23 05 23 00-0592	EA	8" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	3,421.67	429.63
23 05 23 00-0593	EA	10" Flanged Flow Control Valve, Iron And Bronze, Water Balancing Valve With Pressures Up To 300 PSIG	5,747.45	523.03

23 05 23 00-0594 Read Out Meters *(23 05 23 00-0579)*

Note: For use with conditioned portable water balancing valves.

23 05 23 00-0595	EA	0.5 - 25% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,008.67	
23 05 23 00-0596	EA	0.5 - 50% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,365.03	
23 05 23 00-0597	EA	0.5 - 75% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,365.03	
23 05 23 00-0598	EA	0.5 - 100% Accuracy Read Out Meter For Use With Portable Water Balancing Valve	1,365.03	

23 05 23 00-0599 Balancing Valves *(23 05 23)*

23 05 23 00-0600 Balancing Valves With Lever *(23 05 23 00-0599)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0601	EA	1/2" Threaded Balancing Valve With Lever	200.63	31.93
23 05 23 00-0602	EA	3/4" Threaded Balancing Valve With Lever	225.27	42.08
23 05 23 00-0603	EA	1" Threaded Balancing Valve With Lever	446.68	48.16
23 05 23 00-0604	EA	1-1/4" Threaded Balancing Valve With Lever	491.76	59.82
23 05 23 00-0605	EA	1-1/2" Threaded Balancing Valve With Lever	523.88	63.37
23 05 23 00-0606	EA	2" Threaded Balancing Valve With Lever	693.01	72.50
23 05 23 00-0607	EA	2-1/2" Flanged Balancing Valve With Lever	921.58	135.43
23 05 23 00-0608	EA	3" Flanged Balancing Valve With Lever	905.73	158.78
23 05 23 00-0609	EA	4" Flanged Balancing Valve With Lever	1,143.51	266.18
23 05 23 00-0610	EA	5" Flanged Balancing Valve With Lever	1,655.24	302.61
23 05 23 00-0611	EA	6" Flanged Balancing Valve With Lever	1,713.90	336.23
23 05 23 00-0612	EA	8" Flanged Balancing Valve With Lever	2,286.70	429.63

23 05 23 00-0613 Balancing Valves With Nut *(23 05 23 00-0599)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0614	EA	4" Flanged Balancing Valve With Nut	1,099.88	266.18
23 05 23 00-0615	EA	5" Flanged Balancing Valve With Nut	1,622.79	302.61
23 05 23 00-0616	EA	6" Flanged Balancing Valve With Nut	1,666.91	336.23
23 05 23 00-0617	EA	8" Flanged Balancing Valve With Nut	2,230.77	429.63

23 05 23 00-0618 Balancing Valves With Hand Wheel *(23 05 23 00-0599)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0619	EA	4" Flanged Balancing Valve With Hand Wheel	1,520.51	266.18
23 05 23 00-0620	EA	5" Flanged Balancing Valve With Hand Wheel	2,068.04	302.61
23 05 23 00-0621	EA	6" Flanged Balancing Valve With Hand Wheel	2,112.16	336.23
23 05 23 00-0622	EA	8" Flanged Balancing Valve With Hand Wheel	3,022.81	429.63
23 05 23 00-0623	EA	10" Flanged Balancing Valve With Hand Wheel	4,631.88	523.03
23 05 23 00-0624	EA	12" Flanged Balancing Valve With Hand Wheel	6,078.95	423.44
23 05 23 00-0625	EA	14" Flanged Balancing Valve With Hand Wheel	7,892.53	798.38

23 05 23 00-0626 Balancing Valves With Chain Wheel *(23 05 23 00-0599)*

Note: DeZurik PEC eccentric, non-lubricated plug valves, cast iron high temperature faced plug, nickel seats, buna vee packing, bronze bearings with integral gage taps and schrader fittings for metering connections.

23 05 23 00-0627	EA	4" Flanged Balancing Valve With Chain Wheel	1,757.68	266.18
23 05 23 00-0628	EA	5" Flanged Balancing Valve With Chain Wheel	2,304.08	302.61
23 05 23 00-0629	EA	6" Flanged Balancing Valve With Chain Wheel	2,348.20	336.23
23 05 23 00-0630	EA	8" Flanged Balancing Valve With Chain Wheel	3,306.96	429.63
23 05 23 00-0631	EA	10" Flanged Balancing Valve With Chain Wheel	4,910.43	523.03
23 05 23 00-0632	EA	12" Flanged Balancing Valve With Chain Wheel	6,597.17	423.14
23 05 23 00-0633	EA	14" Flanged Balancing Valve With Chain Wheel	8,341.13	798.38

23 05 23 00-0634 Calibrated Balancing Valves *(23 05 23 00-0599)*

Note: Bell & Gossett CB Series.

23 05 23 00-0635	EA	1/2" Brazed Or Soldered Calibrated Balancing Valve (CB-1/2S)	92.02	10.14
23 05 23 00-0636	EA	3/4" Brazed Or Soldered Calibrated Balancing Valve (CB-3/4S)	109.32	11.15
23 05 23 00-0637	EA	1" Brazed Or Soldered Calibrated Balancing Valve (CB-1S)	133.43	12.67
23 05 23 00-0638	EA	1-1/4" Brazed Or Soldered Calibrated Balancing Valve (CB-1-1/4S)	178.81	13.48
23 05 23 00-0639	EA	1" Threaded Calibrated Balancing Valve (CB-1)	141.58	12.67
23 05 23 00-0640	EA	1-1/4" Threaded Calibrated Balancing Valve (CB-1-1/4)	192.89	13.48
23 05 23 00-0641	EA	1-1/2" Threaded Calibrated Balancing Valve (CB-1-1/2)	224.05	15.62
23 05 23 00-0642	EA	2" Threaded Calibrated Balancing Valve (CB-2)	299.76	18.45
23 05 23 00-0643	EA	2-1/2" Threaded Calibrated Balancing Valve (CB-2-1/2)	550.34	27.07
23 05 23 00-0644	EA	3" Threaded Calibrated Balancing Valve (CB-3)	767.58	31.43
23 05 23 00-0645	EA	2-1/2" Flanged Calibrated Balancing Valve (CB-2-1/2F)	732.97	147.02
23 05 23 00-0646	EA	3" Flanged Calibrated Balancing Valve (CB-3F)	1,049.79	172.37
23 05 23 00-0647	EA	4" Flanged Calibrated Balancing Valve (CB-4F)	1,648.43	288.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0648	EA	5" Flanged Calibrated Balancing Valve (CB-5F)	2,348.73	328.52
23 05 23 00-0649	EA	6" Flanged Calibrated Balancing Valve (CB-6F)	3,071.29	365.02
23 05 23 00-0650	EA	8" Flanged Calibrated Balancing Valve (CB-8F)	5,491.06	466.41
23 05 23 00-0651	EA	10" Flanged Calibrated Balancing Valve (CB-10F)	7,604.63	558.87
23 05 23 00-0652	EA	12" Flanged Calibrated Balancing Valve (CB-12F)	15,873.52	678.62
23 05 23 00-0653	EA	4" Grooved Calibrated Balancing Valve (CB-4G)	1,869.13	34.91
23 05 23 00-0654	EA	5" Grooved Calibrated Balancing Valve (CB-5G)	2,159.27	46.01
23 05 23 00-0655	EA	6" Grooved Calibrated Balancing Valve (CB-6G)	2,868.60	59.00
23 05 23 00-0656	EA	8" Grooved Calibrated Balancing Valve (CB-8G)	5,353.45	74.88
23 05 23 00-0657	EA	10" Grooved Calibrated Balancing Valve (CB-10G)	7,189.23	83.90
23 05 23 00-0658	EA	12" Grooved Calibrated Balancing Valve (CB-12G)	14,770.82	102.30

23 05 23 00-0659 Butterfly Valves *(23 05 23)*

23 05 23 00-0660 Cast Iron Body, Iron Disc, 150 PSI, Wafer Type, Butterfly Valves *(23 05 23 00-0659)*

Note: With on-off handle

23 05 23 00-0661	EA	2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	289.98	135.10
		For 200 PSI, Add	*58.11*	
		For Work In Restricted Working Space, Add	*50.67*	
23 05 23 00-0662	EA	2-1/2" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	297.81	135.34
		For 200 PSI, Add	*61.49*	
		For Work In Restricted Working Space, Add	*50.91*	
23 05 23 00-0663	EA	3" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	336.55	158.68
		For 200 PSI, Add	*66.22*	
		For Work In Restricted Working Space, Add	*59.58*	
23 05 23 00-0664	EA	4" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	506.51	266.01
		For 200 PSI, Add	*83.11*	
		For Work In Restricted Working Space, Add	*100.01*	
23 05 23 00-0665	EA	5" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	653.79	324.78
		For 200 PSI, Add	*118.25*	
		For Work In Restricted Working Space, Add	*122.23*	
23 05 23 00-0666	EA	6" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	752.34	360.86
		For 200 PSI, Add	*144.60*	
		For Work In Restricted Working Space, Add	*135.32*	
23 05 23 00-0667	EA	8" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	968.81	415.00
		For 200 PSI, Add	*217.58*	
		For Work In Restricted Working Space, Add	*154.66*	
23 05 23 00-0668	EA	10" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,509.94	505.21
		For 200 PSI, Add	*421.65*	
		For Work In Restricted Working Space, Add	*189.45*	
23 05 23 00-0669	EA	12" Butterfly Valve, Cast Iron, With Iron Disc, On Off Handle, 150 PSI Wafer Type	1,884.63	613.47
		For 200 PSI, Add	*537.20*	
		For Work In Restricted Working Space, Add	*229.64*	

23 05 23 00-0670 Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve *(23 05 23 00-0659)*

23 05 23 00-0671	EA	2-1/2" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	994.17	27.06
		For Work In Restricted Working Space, Add	*15.96*	
23 05 23 00-0672	EA	3" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,076.70	31.42
		For Work In Restricted Working Space, Add	*19.01*	
23 05 23 00-0673	EA	4" Crimped Ductile Iron, 200 PSI, Handle Butterfly Valve	1,346.27	35.47
		For Work In Restricted Working Space, Add	*25.08*	

23 05 23 00-0674 Cast Iron Body, Bronze Disc, Gear Operated, 200 LB, Lug Type, Butterfly Valves *(23 05 23 00-0659)*

23 05 23 00-0675	EA	2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	501.14	135.10
		For Work In Restricted Working Space, Add	*50.67*	
23 05 23 00-0676	EA	2-1/2" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	504.75	135.34
		For Work In Restricted Working Space, Add	*50.91*	
23 05 23 00-0677	EA	3" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	550.53	158.68
		For Work In Restricted Working Space, Add	*59.58*	
23 05 23 00-0678	EA	4" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	730.34	266.01
		For Work In Restricted Working Space, Add	*100.01*	
23 05 23 00-0679	EA	5" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	901.55	324.78
		For Work In Restricted Working Space, Add	*122.23*	
23 05 23 00-0680	EA	6" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	998.61	360.86
		For Work In Restricted Working Space, Add	*135.32*	
23 05 23 00-0681	EA	8" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,225.02	415.00
		For Work In Restricted Working Space, Add	*154.66*	
23 05 23 00-0682	EA	10" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	1,547.95	505.21
		For Work In Restricted Working Space, Add	*189.45*	
23 05 23 00-0683	EA	12" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 200 PSI	2,097.20	613.47
		For Work In Restricted Working Space, Add	*229.64*	

23 05 23 00-0684 Cast Iron Body, Bronze Disc, Gear Operated, 150 LB, Lug Type, Butterfly Valves *(23 05 23 00-0659)*

23 05 23 00-0685	EA	14" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	3,468.59	818.48
		For 200 PSI, Add	*855.82*	
		For Work In Restricted Working Space, Add	*327.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 23 00-0686	EA	16" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	4,394.27	960.34
		For 200 PSI, Add	*1,149.79*	
		For Work In Restricted Working Space, Add	*360.13*	
23 05 23 00-0687	EA	18" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	6,079.08	1,069.47
		For 200 PSI, Add	*1,708.30*	
		For Work In Restricted Working Space, Add	*400.14*	
23 05 23 00-0688	EA	20" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	7,776.72	1,200.42
		For 200 PSI, Add	*2,259.43*	
		For Work In Restricted Working Space, Add	*450.16*	
23 05 23 00-0689	EA	24" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	10,416.45	1,473.25
		For 200 PSI, Add	*3,085.07*	
		For Work In Restricted Working Space, Add	*554.04*	
23 05 23 00-0690	EA	30" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	21,359.29	2,328.75
		For 200 PSI, Add	*6,622.35*	
		For Work In Restricted Working Space, Add	*889.16*	
23 05 23 00-0691	EA	36" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	27,077.46	3,175.56
		For 200 PSI, Add	*8,414.15*	
		For Work In Restricted Working Space, Add	*1,111.45*	
23 05 23 00-0692	EA	42" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	32,978.52	4,657.49
		For 200 PSI, Add	*9,820.37*	
		For Work In Restricted Working Space, Add	*1,709.92*	
23 05 23 00-0693	EA	48" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	40,132.37	5,821.87
		For 200 PSI, Add	*11,780.18*	
		For Work In Restricted Working Space, Add	*2,222.90*	
23 05 23 00-0694	EA	54" Butterfly Valve, Cast Iron, With Bronze Disc Gear Operated, 150 PSI	48,502.92	6,986.24
		For 200 PSI, Add	*14,126.71*	
		For Work In Restricted Working Space, Add	*2,778.62*	

23 05 29 Hangers and Supports for HVAC Piping and Equipment *(23 05)*

23 05 29 00-0001 Hangers And Supports *(23 05 29)*

23 05 29 00-0002 Clevis Hangers *(23 05 29 00-0001)*

23 05 29 00-0003 Steel Clevis Hanger (Cooper B-Line B3100) *(23 05 29 00-0002)*

Note: Type 1.

23 05 29 00-0004	EA	1/2" Steel Clevis Hanger (Cooper B-Line B3100)	19.15	8.40
		For Work In Restricted Working Space, Add	*5.04*	
23 05 29 00-0005	EA	3/4" Steel Clevis Hanger (Cooper B-Line B3100)	21.02	9.34
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0006	EA	1" Steel Clevis Hanger (Cooper B-Line B3100)	22.08	9.34
		For Work In Restricted Working Space, Add	*5.90*	
23 05 29 00-0007	EA	1-1/4" Steel Clevis Hanger (Cooper B-Line B3100)	22.99	10.09
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0008	EA	1-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	23.29	10.09
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0009	EA	2" Steel Clevis Hanger (Cooper B-Line B3100)	24.45	10.27
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0010	EA	2-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	27.36	10.64
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0011	EA	3" Steel Clevis Hanger (Cooper B-Line B3100)	29.52	11.20
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0012	EA	3-1/2" Steel Clevis Hanger (Cooper B-Line B3100)	30.68	12.30
		For Work In Restricted Working Space, Add	*7.03*	
23 05 29 00-0013	EA	4" Steel Clevis Hanger (Cooper B-Line B3100)	33.99	13.07
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0014	EA	5" Steel Clevis Hanger (Cooper B-Line B3100)	43.87	15.63
		For Work In Restricted Working Space, Add	*9.38*	
23 05 29 00-0015	EA	6" Steel Clevis Hanger (Cooper B-Line B3100)	52.88	18.67
		For Work In Restricted Working Space, Add	*11.20*	
23 05 29 00-0016	EA	8" Steel Clevis Hanger (Cooper B-Line B3100)	72.44	23.34
		For Work In Restricted Working Space, Add	*14.00*	
23 05 29 00-0017	EA	10" Steel Clevis Hanger (Cooper B-Line B3100)	108.15	31.74
		For Work In Restricted Working Space, Add	*18.67*	
23 05 29 00-0018	EA	12" Steel Clevis Hanger (Cooper B-Line B3100)	127.86	35.00
		For Work In Restricted Working Space, Add	*21.00*	
23 05 29 00-0019	EA	14" Steel Clevis Hanger (Cooper B-Line B3100)	161.75	39.20
		For Work In Restricted Working Space, Add	*24.08*	
23 05 29 00-0020	EA	16" Steel Clevis Hanger (Cooper B-Line B3100)	203.95	46.67
		For Work In Restricted Working Space, Add	*28.00*	
23 05 29 00-0021	EA	18" Steel Clevis Hanger (Cooper B-Line B3100)	254.07	58.34
		For Work In Restricted Working Space, Add	*35.00*	
23 05 29 00-0022	EA	20" Steel Clevis Hanger (Cooper B-Line B3100)	428.70	70.01
		For Work In Restricted Working Space, Add	*42.00*	
23 05 29 00-0023	EA	24" Steel Clevis Hanger (Cooper B-Line B3100)	673.29	81.67
		For Work In Restricted Working Space, Add	*49.01*	

23 05 29 00-0024 Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C) *(23 05 29 00-0002)*

23 05 29 00-0025	EA	1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	25.37	8.40
		For Work In Restricted Working Space, Add	*5.04*	
23 05 29 00-0026	EA	3/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	27.24	9.34
		For Work In Restricted Working Space, Add	*5.60*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0027	EA	1" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	28.45	9.34
		For Work In Restricted Working Space, Add	*5.90*	
23 05 29 00-0028	EA	1-1/4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	29.48	10.09
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0029	EA	1-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	30.28	10.09
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0030	EA	2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	31.04	10.27
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0031	EA	2-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	35.40	10.64
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0032	EA	3" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	37.30	11.20
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0033	EA	3-1/2" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	41.73	13.07
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0034	EA	4" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	46.98	13.07
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0035	EA	5" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	80.50	15.63
		For Work In Restricted Working Space, Add	*9.38*	
23 05 29 00-0036	EA	6" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	100.26	18.67
		For Work In Restricted Working Space, Add	*11.20*	
23 05 29 00-0037	EA	8" Steel Clevis Hanger, Plastic Coated (Cooper B-Line B3100C)	118.61	23.34
		For Work In Restricted Working Space, Add	*14.00*	

23 05 29 00-0038 Steel Clevis Hanger, Light Duty (Cooper B-Line B3104) *(23 05 29 00-0002)*

23 05 29 00-0039	EA	1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	18.92	8.40
		For Work In Restricted Working Space, Add	*5.04*	
23 05 29 00-0040	EA	3/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	20.84	9.34
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0041	EA	1" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	22.04	9.34
		For Work In Restricted Working Space, Add	*5.90*	
23 05 29 00-0042	EA	1-1/4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	22.63	10.09
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0043	EA	1-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	22.81	10.09
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0044	EA	2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	23.48	10.27
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0045	EA	2-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	26.08	10.64
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0046	EA	3" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	27.35	11.20
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0047	EA	3-1/2" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	30.77	13.07
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0048	EA	4" Steel Clevis Hanger, Light Duty (Cooper B-Line B3104)	32.01	13.07
		For Work In Restricted Working Space, Add	*7.47*	

23 05 29 00-0049 Extended Steel Clevis Hanger (Cooper B-Line B3108) *(23 05 29 00-0002)*

23 05 29 00-0050	EA	3/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	28.62	9.34
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0051	EA	1" Steel Extended Clevis Hanger (Cooper B-Line B3108)	29.68	9.34
		For Work In Restricted Working Space, Add	*5.90*	
23 05 29 00-0052	EA	1-1/4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	30.23	10.09
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0053	EA	1-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	31.47	10.09
		For Work In Restricted Working Space, Add	*6.06*	
23 05 29 00-0054	EA	2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	34.09	10.27
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0055	EA	2-1/2" Steel Extended Clevis Hanger (Cooper B-Line B3108)	36.86	10.64
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0056	EA	3" Steel Extended Clevis Hanger (Cooper B-Line B3108)	38.84	11.20
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0057	EA	4" Steel Extended Clevis Hanger (Cooper B-Line B3108)	47.16	13.07
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0058	EA	5" Steel Extended Clevis Hanger (Cooper B-Line B3108)	59.55	15.63
		For Work In Restricted Working Space, Add	*9.38*	
23 05 29 00-0059	EA	6" Steel Extended Clevis Hanger (Cooper B-Line B3108)	73.92	18.67
		For Work In Restricted Working Space, Add	*11.20*	
23 05 29 00-0060	EA	8" Steel Extended Clevis Hanger (Cooper B-Line B3108)	106.94	23.34
		For Work In Restricted Working Space, Add	*14.00*	
23 05 29 00-0061	EA	10" Steel Extended Clevis Hanger (Cooper B-Line B3108)	151.36	31.74
		For Work In Restricted Working Space, Add	*18.67*	
23 05 29 00-0062	EA	12" Steel Extended Clevis Hanger (Cooper B-Line B3108)	169.97	35.00
		For Work In Restricted Working Space, Add	*21.00*	

23 05 29 00-0063 Steel Clevis Hanger, Flat Top (Cooper B-Line B3109) *(23 05 29 00-0002)*

23 05 29 00-0064	EA	2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	35.55	10.27
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0065	EA	2-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	38.23	10.64
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0066	EA	3" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	40.39	11.20
		For Work In Restricted Working Space, Add	*6.59*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0067	EA	3-1/2" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	44.51	13.07
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0068	EA	4" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	47.60	13.07
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0069	EA	5" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	58.98	15.63
		For Work In Restricted Working Space, Add	*9.38*	
23 05 29 00-0070	EA	6" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	68.53	18.67
		For Work In Restricted Working Space, Add	*11.20*	
23 05 29 00-0071	EA	8" Steel Clevis Hanger, Flat Top (Cooper B-Line B3109)	92.01	23.34
		For Work In Restricted Working Space, Add	*14.00*	

23 05 29 00-0072 Adjustable Hangers *(23 05 29 00-0001)*

23 05 29 00-0073 Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690) *(23 05 29 00-0072)*

Note: Type 5.

23 05 29 00-0074	EA	1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	17.70	7.36
		For Work In Restricted Working Space, Add	*4.41*	
23 05 29 00-0075	EA	3/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	19.32	8.16
		For Work In Restricted Working Space, Add	*4.90*	
23 05 29 00-0076	EA	1" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	21.11	9.07
		For Work In Restricted Working Space, Add	*5.44*	
23 05 29 00-0077	EA	1-1/4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	23.23	10.07
		For Work In Restricted Working Space, Add	*6.04*	
23 05 29 00-0078	EA	1-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	24.43	10.57
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0079	EA	2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	26.36	11.09
		For Work In Restricted Working Space, Add	*6.65*	
23 05 29 00-0080	EA	2-1/2" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	31.21	11.59
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0081	EA	3" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	32.61	12.09
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0082	EA	4" Steel J-Hanger Hanger With Bolt (Cooper B-Line B3690)	39.48	13.60
		For Work In Restricted Working Space, Add	*8.16*	

23 05 29 00-0083 Adjustable Swivel Steel Ring (Cooper B-Line B3170) *(23 05 29 00-0072)*

Note: Type 10.

23 05 29 00-0084	EA	1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	20.04	9.34
		For Work In Restricted Working Space, Add	*5.60*	
		For 304 Stainless Steel, Add	*9.04*	
		For 316 Stainless Steel, Add	*11.65*	
23 05 29 00-0085	EA	3/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	21.15	9.34
		For Work In Restricted Working Space, Add	*5.90*	
		For 304 Stainless Steel, Add	*9.90*	
		For 316 Stainless Steel, Add	*12.75*	
23 05 29 00-0086	EA	1" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	22.24	10.27
		For Work In Restricted Working Space, Add	*6.22*	
		For 304 Stainless Steel, Add	*9.90*	
		For 316 Stainless Steel, Add	*12.75*	
23 05 29 00-0087	EA	1-1/4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	23.64	11.20
		For Work In Restricted Working Space, Add	*6.59*	
		For 304 Stainless Steel, Add	*11.09*	
		For 316 Stainless Steel, Add	*14.28*	
23 05 29 00-0088	EA	1-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	26.57	13.07
		For Work In Restricted Working Space, Add	*7.47*	
		For 304 Stainless Steel, Add	*11.09*	
		For 316 Stainless Steel, Add	*14.28*	
23 05 29 00-0089	EA	2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	28.44	13.07
		For Work In Restricted Working Space, Add	*8.00*	
		For 304 Stainless Steel, Add	*11.68*	
		For 316 Stainless Steel, Add	*15.05*	
23 05 29 00-0090	EA	2-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	31.60	14.00
		For Work In Restricted Working Space, Add	*8.62*	
		For 304 Stainless Steel, Add	*19.01*	
		For 316 Stainless Steel, Add	*24.48*	
23 05 29 00-0091	EA	3" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	34.11	15.87
		For Work In Restricted Working Space, Add	*9.33*	
		For 304 Stainless Steel, Add	*19.80*	
		For 316 Stainless Steel, Add	*25.50*	
23 05 29 00-0092	EA	3-1/2" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	38.08	17.03
		For Work In Restricted Working Space, Add	*10.22*	
		For 304 Stainless Steel, Add	*26.53*	
		For 316 Stainless Steel, Add	*34.17*	
23 05 29 00-0093	EA	4" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	41.35	18.67
		For Work In Restricted Working Space, Add	*11.20*	
		For 304 Stainless Steel, Add	*26.53*	
		For 316 Stainless Steel, Add	*34.17*	
23 05 29 00-0094	EA	5" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	50.36	21.01
		For Work In Restricted Working Space, Add	*12.60*	
		For 304 Stainless Steel, Add	*55.18*	
		For 316 Stainless Steel, Add	*71.06*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0095	EA	6" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	55.15	23.34
		For Work In Restricted Working Space, Add	*14.00*	
		For 304 Stainless Steel, Add	*55.97*	
		For 316 Stainless Steel, Add	*72.08*	
23 05 29 00-0096	EA	8" Adjustable Swivel Steel Ring (Cooper B-Line B3170)	66.09	28.00
		For Work In Restricted Working Space, Add	*16.80*	
		For 304 Stainless Steel, Add	*66.53*	
		For 316 Stainless Steel, Add	*85.68*	

23 05 29 00-0097 Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT) *(23 05 29 00-0072)*

23 05 29 00-0098	EA	1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	21.33	9.34
		For Work In Restricted Working Space, Add	*5.60*	
		For 304 Stainless Steel, Add	*17.56*	
		For 316 Stainless Steel, Add	*22.61*	
23 05 29 00-0099	EA	3/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	22.31	9.34
		For Work In Restricted Working Space, Add	*5.90*	
		For 304 Stainless Steel, Add	*17.56*	
		For 316 Stainless Steel, Add	*22.61*	
23 05 29 00-0100	EA	1" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	23.40	10.27
		For Work In Restricted Working Space, Add	*6.22*	
		For 304 Stainless Steel, Add	*17.56*	
		For 316 Stainless Steel, Add	*22.61*	
23 05 29 00-0101	EA	1-1/4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	24.62	11.20
		For Work In Restricted Working Space, Add	*6.59*	
		For 304 Stainless Steel, Add	*17.56*	
		For 316 Stainless Steel, Add	*22.61*	
23 05 29 00-0102	EA	1-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	27.77	13.07
		For Work In Restricted Working Space, Add	*7.47*	
		For 304 Stainless Steel, Add	*19.01*	
		For 316 Stainless Steel, Add	*24.48*	
23 05 29 00-0103	EA	2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	29.55	13.07
		For Work In Restricted Working Space, Add	*8.00*	
		For 304 Stainless Steel, Add	*19.01*	
		For 316 Stainless Steel, Add	*24.48*	
23 05 29 00-0104	EA	2-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	36.29	14.00
		For Work In Restricted Working Space, Add	*8.62*	
		For 304 Stainless Steel, Add	*49.96*	
		For 316 Stainless Steel, Add	*64.35*	
23 05 29 00-0105	EA	3" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	40.49	15.87
		For Work In Restricted Working Space, Add	*9.33*	
		For 304 Stainless Steel, Add	*61.91*	
		For 316 Stainless Steel, Add	*79.73*	
23 05 29 00-0106	EA	3-1/2" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	44.18	17.03
		For Work In Restricted Working Space, Add	*10.22*	
		For 304 Stainless Steel, Add	*66.79*	
		For 316 Stainless Steel, Add	*86.02*	
23 05 29 00-0107	EA	4" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	49.64	18.67
		For Work In Restricted Working Space, Add	*11.20*	
		For 304 Stainless Steel, Add	*81.25*	
		For 316 Stainless Steel, Add	*104.64*	
23 05 29 00-0108	EA	5" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	54.49	21.01
		For Work In Restricted Working Space, Add	*12.60*	
		For 304 Stainless Steel, Add	*82.43*	
		For 316 Stainless Steel, Add	*106.17*	
23 05 29 00-0109	EA	6" Copper Tubing Adjustable Swivel Ring (Cooper B-Line B3170CT)	64.74	23.34
		For Work In Restricted Working Space, Add	*14.00*	
		For 304 Stainless Steel, Add	*119.26*	
		For 316 Stainless Steel, Add	*153.60*	

23 05 29 00-0110 Roller Hangers *(23 05 29 00-0001)*

23 05 29 00-0111 Single Pipe Roll (Cooper B-Line B3114) *(23 05 29 00-0110)*

Note: Excludes rod and nuts. Type 41.

23 05 29 00-0112	EA	2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	34.43	7.47
		For Work In Restricted Working Space, Add	*4.48*	
23 05 29 00-0113	EA	2-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	37.76	8.41
		For Work In Restricted Working Space, Add	*5.04*	
23 05 29 00-0114	EA	3" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	41.71	9.81
		For Work In Restricted Working Space, Add	*5.89*	
23 05 29 00-0115	EA	3-1/2" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	48.04	11.21
		For Work In Restricted Working Space, Add	*6.72*	
23 05 29 00-0116	EA	4" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	68.39	12.61
		For Work In Restricted Working Space, Add	*7.57*	
23 05 29 00-0117	EA	5" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	59.13	14.01
		For Work In Restricted Working Space, Add	*8.41*	
23 05 29 00-0118	EA	6" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	74.01	16.81
		For Work In Restricted Working Space, Add	*10.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0119	EA	8" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	101.88	19.62
		For Work In Restricted Working Space, Add	*11.77*	
23 05 29 00-0120	EA	10" Single Pipe Roll (Cooper B-Line B3114) Note: Excludes rod and nuts.	120.72	23.35
		For Work In Restricted Working Space, Add	*14.01*	

23 05 29 00-0121 Adjustable Clevis Roller Hanger (Cooper B-Line B3110) *(23 05 29 00-0110)*

Note: Type 43.

23 05 29 00-0122	EA	2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	50.23	13.18
		For Work In Restricted Working Space, Add	*7.61*	
		For 304 Stainless Steel, Add	*164.21*	
		For 316 Stainless Steel, Add	*211.48*	
23 05 29 00-0123	EA	2-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	52.05	13.58
		For Work In Restricted Working Space, Add	*8.15*	
		For 304 Stainless Steel, Add	*164.21*	
		For 316 Stainless Steel, Add	*211.48*	
23 05 29 00-0124	EA	3" Steel Clevis Roller Hanger (Cooper B-Line B3110)	56.72	14.20
		For Work In Restricted Working Space, Add	*8.69*	
		For 304 Stainless Steel, Add	*183.15*	
		For 316 Stainless Steel, Add	*235.88*	
23 05 29 00-0125	EA	3-1/2" Steel Clevis Roller Hanger (Cooper B-Line B3110)	67.36	15.21
		For Work In Restricted Working Space, Add	*9.13*	
		For 304 Stainless Steel, Add	*243.80*	
		For 316 Stainless Steel, Add	*313.99*	
23 05 29 00-0126	EA	4" Steel Clevis Roller Hanger (Cooper B-Line B3110)	70.74	17.23
		For Work In Restricted Working Space, Add	*10.14*	
		For 304 Stainless Steel, Add	*243.80*	
		For 316 Stainless Steel, Add	*313.99*	
23 05 29 00-0127	EA	5" Steel Clevis Roller Hanger (Cooper B-Line B3110)	80.24	18.55
		For Work In Restricted Working Space, Add	*11.13*	
		For 304 Stainless Steel, Add	*284.66*	
		For 316 Stainless Steel, Add	*366.61*	
23 05 29 00-0128	EA	6" Steel Clevis Roller Hanger (Cooper B-Line B3110)	94.12	20.28
		For Work In Restricted Working Space, Add	*12.17*	
		For 304 Stainless Steel, Add	*353.50*	
		For 316 Stainless Steel, Add	*455.26*	
23 05 29 00-0129	EA	8" Steel Clevis Roller Hanger (Cooper B-Line B3110)	130.86	25.35
		For Work In Restricted Working Space, Add	*15.21*	
		For 304 Stainless Steel, Add	*529.06*	
		For 316 Stainless Steel, Add	*681.36*	
23 05 29 00-0130	EA	10" Steel Clevis Roller Hanger (Cooper B-Line B3110)	163.10	34.48
		For Work In Restricted Working Space, Add	*20.28*	
		For 304 Stainless Steel, Add	*630.30*	
		For 316 Stainless Steel, Add	*811.75*	
23 05 29 00-0131	EA	12" Steel Clevis Roller Hanger (Cooper B-Line B3110)	216.44	38.02
		For Work In Restricted Working Space, Add	*22.82*	
		For 304 Stainless Steel, Add	*926.57*	
		For 316 Stainless Steel, Add	*1,193.32*	
23 05 29 00-0132	EA	14" Steel Clevis Roller Hanger (Cooper B-Line B3110)	476.24	43.60
		For Work In Restricted Working Space, Add	*26.16*	
		For 304 Stainless Steel, Add	*2,567.66*	
		For 316 Stainless Steel, Add	*3,306.84*	
23 05 29 00-0133	EA	16" Steel Clevis Roller Hanger (Cooper B-Line B3110)	600.79	50.70
		For Work In Restricted Working Space, Add	*30.42*	
		For 304 Stainless Steel, Add	*3,295.97*	
		For 316 Stainless Steel, Add	*4,244.82*	

23 05 29 00-0134 Roller Chair (Cooper B-Line B3120) *(23 05 29 00-0110)*

23 05 29 00-0135	EA	2" Steel Roller Chair (Cooper B-Line B3120)	48.59	13.18
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0136	EA	2-1/2" Steel Roller Chair (Cooper B-Line B3120)	52.41	13.58
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0137	EA	3" Steel Roller Chair (Cooper B-Line B3120)	54.78	14.20
		For Work In Restricted Working Space, Add	*8.69*	
23 05 29 00-0138	EA	3-1/2" Steel Roller Chair (Cooper B-Line B3120)	63.30	15.21
		For Work In Restricted Working Space, Add	*9.13*	
23 05 29 00-0139	EA	4" Steel Roller Chair (Cooper B-Line B3120)	70.57	17.23
		For Work In Restricted Working Space, Add	*10.14*	
23 05 29 00-0140	EA	5" Steel Roller Chair (Cooper B-Line B3120)	77.06	18.55
		For Work In Restricted Working Space, Add	*11.13*	
23 05 29 00-0141	EA	6" Steel Roller Chair (Cooper B-Line B3120)	96.20	20.28
		For Work In Restricted Working Space, Add	*12.17*	
23 05 29 00-0142	EA	8" Steel Roller Chair (Cooper B-Line B3120)	125.91	25.35
		For Work In Restricted Working Space, Add	*15.21*	
23 05 29 00-0143	EA	10" Steel Roller Chair (Cooper B-Line B3120)	161.95	34.48
		For Work In Restricted Working Space, Add	*20.28*	
23 05 29 00-0144	EA	12" Steel Roller Chair (Cooper B-Line B3120)	213.44	38.02
		For Work In Restricted Working Space, Add	*22.82*	
23 05 29 00-0145	EA	14" Steel Roller Chair (Cooper B-Line B3120)	231.30	43.60
		For Work In Restricted Working Space, Add	*26.16*	
23 05 29 00-0146	EA	16" Steel Roller Chair (Cooper B-Line B3120)	280.28	50.70
		For Work In Restricted Working Space, Add	*30.42*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0147	EA	18" Steel Roller Chair (Cooper B-Line B3120)	381.45	63.37
		For Work In Restricted Working Space, Add	*38.02*	
23 05 29 00-0148	EA	20" Steel Roller Chair (Cooper B-Line B3120)	473.75	76.05
		For Work In Restricted Working Space, Add	*45.63*	

23 05 29 00-0149 Adjustable Roller Support (Cooper B-Line B3122) *(23 05 29 00-0110)*

23 05 29 00-0150	EA	2" Steel Adjustable Roller Support (Cooper B-Line B3122)	56.24	13.18
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0151	EA	2-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	63.72	13.58
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0152	EA	3" Steel Adjustable Roller Support (Cooper B-Line B3122)	66.84	14.20
		For Work In Restricted Working Space, Add	*8.69*	
23 05 29 00-0153	EA	3-1/2" Steel Adjustable Roller Support (Cooper B-Line B3122)	70.68	15.21
		For Work In Restricted Working Space, Add	*9.13*	
23 05 29 00-0154	EA	4" Steel Adjustable Roller Support (Cooper B-Line B3122)	86.03	17.23
		For Work In Restricted Working Space, Add	*10.14*	
23 05 29 00-0155	EA	5" Steel Adjustable Roller Support (Cooper B-Line B3122)	98.00	18.55
		For Work In Restricted Working Space, Add	*11.13*	
23 05 29 00-0156	EA	6" Steel Adjustable Roller Support (Cooper B-Line B3122)	115.11	20.28
		For Work In Restricted Working Space, Add	*12.17*	
23 05 29 00-0157	EA	8" Steel Adjustable Roller Support (Cooper B-Line B3122)	164.84	25.35
		For Work In Restricted Working Space, Add	*15.21*	
23 05 29 00-0158	EA	10" Steel Adjustable Roller Support (Cooper B-Line B3122)	203.93	34.48
		For Work In Restricted Working Space, Add	*20.28*	
23 05 29 00-0159	EA	12" Steel Adjustable Roller Support (Cooper B-Line B3122)	236.68	38.02
		For Work In Restricted Working Space, Add	*22.82*	
23 05 29 00-0160	EA	14" Steel Adjustable Roller Support (Cooper B-Line B3122)	342.57	43.60
		For Work In Restricted Working Space, Add	*26.16*	
23 05 29 00-0161	EA	16" Steel Adjustable Roller Support (Cooper B-Line B3122)	411.87	50.70
		For Work In Restricted Working Space, Add	*30.42*	
23 05 29 00-0162	EA	18" Steel Adjustable Roller Support (Cooper B-Line B3122)	463.33	63.37
		For Work In Restricted Working Space, Add	*38.02*	

23 05 29 00-0163 Adjustable Double Roller Support (Cooper B-Line B3122A) *(23 05 29 00-0110)*

23 05 29 00-0164	EA	2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	56.68	13.18
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0165	EA	2-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	64.11	13.58
		For Work In Restricted Working Space, Add	*8.15*	
23 05 29 00-0166	EA	3" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	67.50	14.20
		For Work In Restricted Working Space, Add	*8.69*	
23 05 29 00-0167	EA	3-1/2" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	70.10	15.21
		For Work In Restricted Working Space, Add	*9.13*	
23 05 29 00-0168	EA	4" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	90.50	17.23
		For Work In Restricted Working Space, Add	*10.14*	
23 05 29 00-0169	EA	5" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	103.26	18.55
		For Work In Restricted Working Space, Add	*11.13*	
23 05 29 00-0170	EA	6" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	121.39	20.28
		For Work In Restricted Working Space, Add	*12.17*	
23 05 29 00-0171	EA	8" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	174.57	25.35
		For Work In Restricted Working Space, Add	*15.21*	
23 05 29 00-0172	EA	10" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	215.59	34.48
		For Work In Restricted Working Space, Add	*20.28*	
23 05 29 00-0173	EA	12" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	250.33	38.02
		For Work In Restricted Working Space, Add	*22.82*	
23 05 29 00-0174	EA	14" Steel Adjustable Double Roller Support (Cooper B-Line B3122A)	364.40	43.60
		For Work In Restricted Working Space, Add	*26.16*	

23 05 29 00-0175 Pipe And Riser Clamps *(23 05 29 00-0001)*

Note: Includes bolts and weldless eye nuts.

23 05 29 00-0176 Steel Pipe Clamp (Cooper B-Line B3140) *(23 05 29 00-0175)*

Note: Type 4.

23 05 29 00-0177	EA	1/2" Steel Pipe Clamp (Cooper B-Line B3140)	17.88	6.04
		For Work In Restricted Working Space, Add	*3.63*	
23 05 29 00-0178	EA	3/4" Steel Pipe Clamp (Cooper B-Line B3140)	18.08	6.14
		For Work In Restricted Working Space, Add	*3.69*	
23 05 29 00-0179	EA	1" Steel Pipe Clamp (Cooper B-Line B3140)	18.32	6.24
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0180	EA	1-1/4" Steel Pipe Clamp (Cooper B-Line B3140)	20.29	6.34
		For Work In Restricted Working Space, Add	*3.81*	
23 05 29 00-0181	EA	1-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	20.49	6.44
		For Work In Restricted Working Space, Add	*3.87*	
23 05 29 00-0182	EA	2" Steel Pipe Clamp (Cooper B-Line B3140)	22.03	6.54
		For Work In Restricted Working Space, Add	*3.93*	
23 05 29 00-0183	EA	2-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	22.96	6.75
		For Work In Restricted Working Space, Add	*4.05*	
23 05 29 00-0184	EA	3" Steel Pipe Clamp (Cooper B-Line B3140)	24.46	6.95
		For Work In Restricted Working Space, Add	*4.17*	
23 05 29 00-0185	EA	3-1/2" Steel Pipe Clamp (Cooper B-Line B3140)	29.04	7.06
		For Work In Restricted Working Space, Add	*4.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0186	EA	4" Steel Pipe Clamp (Cooper B-Line B3140)	33.07	9.07
		For Work In Restricted Working Space, Add	*5.44*	
23 05 29 00-0187	EA	5" Steel Pipe Clamp (Cooper B-Line B3140)	48.03	12.09
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0188	EA	6" Steel Pipe Clamp (Cooper B-Line B3140)	66.81	15.11
		For Work In Restricted Working Space, Add	*9.07*	
23 05 29 00-0189	EA	8" Steel Pipe Clamp (Cooper B-Line B3140)	78.74	17.63
		For Work In Restricted Working Space, Add	*10.58*	
23 05 29 00-0190	EA	10" Steel Pipe Clamp (Cooper B-Line B3140)	118.68	20.15
		For Work In Restricted Working Space, Add	*12.09*	
23 05 29 00-0191	EA	12" Steel Pipe Clamp (Cooper B-Line B3140)	165.58	22.16
		For Work In Restricted Working Space, Add	*13.30*	
23 05 29 00-0192	EA	14" Steel Pipe Clamp (Cooper B-Line B3140)	275.92	24.17
		For Work In Restricted Working Space, Add	*14.51*	
23 05 29 00-0193	EA	16" Steel Pipe Clamp (Cooper B-Line B3140)	299.09	26.19
		For Work In Restricted Working Space, Add	*15.71*	
23 05 29 00-0194	EA	18" Steel Pipe Clamp (Cooper B-Line B3140)	495.92	28.20
		For Work In Restricted Working Space, Add	*16.92*	
23 05 29 00-0195	EA	20" Steel Pipe Clamp (Cooper B-Line B3140)	575.16	30.22
		For Work In Restricted Working Space, Add	*18.13*	
23 05 29 00-0196	EA	24" Steel Pipe Clamp (Cooper B-Line B3140)	753.90	33.25
		For Work In Restricted Working Space, Add	*19.94*	

23 05 29 00-0197 Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142) *(23 05 29 00-0175)*

23 05 29 00-0198	EA	3" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	40.77	6.53
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0199	EA	4" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	55.04	6.53
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0200	EA	5" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	60.67	6.77
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0201	EA	6" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	99.64	7.00
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0202	EA	8" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	108.55	7.46
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0203	EA	10" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	189.78	7.46
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0204	EA	12" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	309.80	8.40
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0205	EA	14" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	394.01	9.34
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0206	EA	16" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	427.66	11.20
		For Work In Restricted Working Space, Add	*6.72*	
23 05 29 00-0207	EA	18" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,345.68	13.07
		For Work In Restricted Working Space, Add	*7.84*	
23 05 29 00-0208	EA	20" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,547.54	14.00
		For Work In Restricted Working Space, Add	*8.40*	
23 05 29 00-0209	EA	24" Two Bolt Steel Heavy Duty Pipe Clamp (Cooper B-Line B3142)	1,984.41	14.93
		For Work In Restricted Working Space, Add	*8.96*	

23 05 29 00-0210 Steel Riser Clamp (Cooper B-Line B3373) *(23 05 29 00-0175)*

Note: Type 8.

23 05 29 00-0211	EA	1/2" Steel Riser Clamp (Cooper B-Line B3373)	18.45	5.60
		For Work In Restricted Working Space, Add	*3.36*	
23 05 29 00-0212	EA	3/4" Steel Riser Clamp (Cooper B-Line B3373)	19.30	5.70
		For Work In Restricted Working Space, Add	*3.42*	
23 05 29 00-0213	EA	1" Steel Riser Clamp (Cooper B-Line B3373)	19.58	5.79
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0214	EA	1-1/4" Steel Riser Clamp (Cooper B-Line B3373)	21.44	5.88
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-0215	EA	1-1/2" Steel Riser Clamp (Cooper B-Line B3373)	22.39	5.97
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-0216	EA	2" Steel Riser Clamp (Cooper B-Line B3373)	22.96	6.07
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0217	EA	2-1/2" Steel Riser Clamp (Cooper B-Line B3373)	23.99	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0218	EA	3" Steel Riser Clamp (Cooper B-Line B3373)	25.57	6.44
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0219	EA	3-1/2" Steel Riser Clamp (Cooper B-Line B3373)	28.50	6.53
		For Work In Restricted Working Space, Add	*3.92*	
23 05 29 00-0220	EA	4" Steel Riser Clamp (Cooper B-Line B3373)	34.26	8.40
		For Work In Restricted Working Space, Add	*5.04*	
23 05 29 00-0221	EA	5" Steel Riser Clamp (Cooper B-Line B3373)	44.05	11.20
		For Work In Restricted Working Space, Add	*6.72*	
23 05 29 00-0222	EA	6" Steel Riser Clamp (Cooper B-Line B3373)	56.02	14.00
		For Work In Restricted Working Space, Add	*8.40*	
23 05 29 00-0223	EA	8" Steel Riser Clamp (Cooper B-Line B3373)	78.54	16.34
		For Work In Restricted Working Space, Add	*9.80*	
23 05 29 00-0224	EA	10" Steel Riser Clamp (Cooper B-Line B3373)	105.20	18.67
		For Work In Restricted Working Space, Add	*11.20*	
23 05 29 00-0225	EA	12" Steel Riser Clamp (Cooper B-Line B3373)	128.74	20.53
		For Work In Restricted Working Space, Add	*12.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0226	EA	14" Steel Riser Clamp (Cooper B-Line B3373)	176.71	22.40
		For Work In Restricted Working Space, Add	*13.44*	
23 05 29 00-0227	EA	16" Steel Riser Clamp (Cooper B-Line B3373)	349.65	24.27
		For Work In Restricted Working Space, Add	*14.56*	

23 05 29 00-0228 Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C) *(23 05 29 00-0175)*

23 05 29 00-0229	EA	1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	35.68	5.60
		For Work In Restricted Working Space, Add	*3.36*	
23 05 29 00-0230	EA	3/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	36.22	5.70
		For Work In Restricted Working Space, Add	*3.42*	
23 05 29 00-0231	EA	1" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	37.83	5.79
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0232	EA	1-1/4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	40.66	5.88
		For Work In Restricted Working Space, Add	*3.53*	
23 05 29 00-0233	EA	1-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	46.42	5.97
		For Work In Restricted Working Space, Add	*3.59*	
23 05 29 00-0234	EA	2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	49.51	6.07
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0235	EA	2-1/2" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	53.82	6.25
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0236	EA	3" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	59.46	6.44
		For Work In Restricted Working Space, Add	*3.86*	
23 05 29 00-0237	EA	4" Steel Riser Clamp, Plastic Coated (Cooper B-Line B3373C)	80.75	8.40
		For Work In Restricted Working Space, Add	*5.04*	

23 05 29 00-0238 Two Bolt Steel Underground Clamp (Cooper B-Line B3132) *(23 05 29 00-0175)*

Note: Type 42

23 05 29 00-0239	EA	4" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	84.83	6.53
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0240	EA	6" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	89.92	7.00
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0241	EA	8" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	98.93	7.46
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0242	EA	10" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	106.01	7.46
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0243	EA	12" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	128.69	8.40
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0244	EA	14" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	412.12	9.34
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0245	EA	16" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	553.07	11.20
		For Work In Restricted Working Space, Add	*6.72*	
23 05 29 00-0246	EA	18" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	659.24	13.07
		For Work In Restricted Working Space, Add	*7.84*	
23 05 29 00-0247	EA	20" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	964.08	14.00
		For Work In Restricted Working Space, Add	*8.40*	
23 05 29 00-0248	EA	24" Two Bolt Steel Underground Clamp (Cooper B-Line B3132)	1,332.01	14.93
		For Work In Restricted Working Space, Add	*8.96*	

23 05 29 00-0249 Four Bolt Steel Underground Clamp (Cooper B-Line B3134) *(23 05 29 00-0175)*

23 05 29 00-0250	EA	4" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	77.93	6.53
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0251	EA	6" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	84.00	7.00
		For Work In Restricted Working Space, Add	*4.23*	
23 05 29 00-0252	EA	8" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	150.39	7.46
		For Work In Restricted Working Space, Add	*4.47*	
23 05 29 00-0253	EA	10" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	167.86	7.46
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0254	EA	12" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	242.76	8.40
		For Work In Restricted Working Space, Add	*5.03*	
23 05 29 00-0255	EA	14" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	374.88	9.34
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0256	EA	16" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	503.85	11.20
		For Work In Restricted Working Space, Add	*6.72*	
23 05 29 00-0257	EA	18" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	599.89	13.07
		For Work In Restricted Working Space, Add	*7.84*	
23 05 29 00-0258	EA	20" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	880.72	14.00
		For Work In Restricted Working Space, Add	*8.40*	
23 05 29 00-0259	EA	24" Four Bolt Steel Underground Clamp (Cooper B-Line B3134)	1,208.62	14.93
		For Work In Restricted Working Space, Add	*8.96*	

23 05 29 00-0260 Split Pipe Clamps And Rings *(23 05 29 00-0001)*

23 05 29 00-0261 Adjustable Split Ring Swivel Hanger (Cooper B-Line B3171) *(23 05 29 00-0260)*

Note: Type 6.

23 05 29 00-0262	EA	3/4" Adjustable Swivel Ring (Cooper B-Line B3171)	31.05	8.56
		For Work In Restricted Working Space, Add	*5.14*	
23 05 29 00-0263	EA	1" Adjustable Swivel Ring (Cooper B-Line B3171)	32.89	9.07
		For Work In Restricted Working Space, Add	*5.44*	
23 05 29 00-0264	EA	1-1/4" Adjustable Swivel Ring (Cooper B-Line B3171)	35.61	10.07
		For Work In Restricted Working Space, Add	*6.04*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0265	EA	1-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	38.57	10.57
		For Work In Restricted Working Space, Add	*6.35*	
23 05 29 00-0266	EA	2" Adjustable Swivel Ring (Cooper B-Line B3171)	41.92	11.09
		For Work In Restricted Working Space, Add	*6.65*	
23 05 29 00-0267	EA	2-1/2" Adjustable Swivel Ring (Cooper B-Line B3171)	53.27	11.59
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0268	EA	3" Adjustable Swivel Ring (Cooper B-Line B3171)	58.90	12.09
		For Work In Restricted Working Space, Add	*7.25*	
23 05 29 00-0269	EA	4" Adjustable Swivel Ring (Cooper B-Line B3171)	80.19	13.60
		For Work In Restricted Working Space, Add	*8.16*	
23 05 29 00-0270	EA	5" Adjustable Swivel Ring (Cooper B-Line B3171)	102.08	17.13
		For Work In Restricted Working Space, Add	*10.28*	
23 05 29 00-0271	EA	6" Adjustable Swivel Ring (Cooper B-Line B3171)	138.48	20.15
		For Work In Restricted Working Space, Add	*12.09*	

23 05 29 00-0272 Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R) *(23 05 29 00-0260)*

Note: Type 11.

23 05 29 00-0273	EA	1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	18.98	7.10
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0274	EA	3/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	20.08	7.10
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0275	EA	1" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	22.02	9.12
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0276	EA	1-1/4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	24.14	9.12
		For Work In Restricted Working Space, Add	*5.33*	
23 05 29 00-0277	EA	1-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	27.48	9.12
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0278	EA	2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	32.60	10.14
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-0279	EA	2-1/2" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	45.73	10.14
		For Work In Restricted Working Space, Add	*6.33*	
23 05 29 00-0280	EA	3" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	51.37	11.15
		For Work In Restricted Working Space, Add	*6.61*	
23 05 29 00-0281	EA	4" Extension Split Pipe Clamp, Malleable Iron (Cooper B-Line B3198R)	54.44	12.17
		For Work In Restricted Working Space, Add	*7.24*	

23 05 29 00-0282 Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H) *(23 05 29 00-0260)*

Note: Type 12.

23 05 29 00-0283	EA	1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	18.98	7.10
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0284	EA	3/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	20.08	7.60
		For Work In Restricted Working Space, Add	*4.54*	
23 05 29 00-0285	EA	1" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	22.02	8.62
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0286	EA	1-1/4" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	24.14	9.12
		For Work In Restricted Working Space, Add	*5.33*	
23 05 29 00-0287	EA	1-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	27.48	9.12
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0288	EA	2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	32.60	10.14
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-0289	EA	2-1/2" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	45.73	10.64
		For Work In Restricted Working Space, Add	*6.33*	
23 05 29 00-0290	EA	3" Hinged Extension Split Pipe Clamp (Cooper B-Line B3198H)	51.37	11.15
		For Work In Restricted Working Space, Add	*6.61*	

23 05 29 00-0291 Pipe Straps *(23 05 29 00-0001)*

23 05 29 00-0292 Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B-3180) *(23 05 29 00-0291)*

23 05 29 00-0293	EA	1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	12.81	5.07
		For Work In Restricted Working Space, Add	*3.04*	
23 05 29 00-0294	EA	3/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	13.33	6.08
		For Work In Restricted Working Space, Add	*3.20*	
23 05 29 00-0295	EA	1" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	13.93	6.08
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0296	EA	1-1/4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	14.71	6.08
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0297	EA	1-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	15.55	7.10
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0298	EA	2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	18.26	7.10
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0299	EA	2-1/2" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	23.04	7.10
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0300	EA	3" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	30.59	7.10
		For Work In Restricted Working Space, Add	*4.68*	
23 05 29 00-0301	EA	4" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	36.30	9.12
		For Work In Restricted Working Space, Add	*5.47*	
23 05 29 00-0302	EA	6" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	45.16	10.14
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-0303	EA	8" Standard Two Hole Pipe Strap, Galvanized Steel (Cooper B-Line B3180)	57.35	11.15
		For Work In Restricted Working Space, Add	*6.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0304		**Two Hole Copper-Clad Pipe Straps** *(23 05 29 00-0291)*		
23 05 29 00-0305	EA	1/2" Two Hole Copper-Clad Pipe Strap	5.50	
		For Work In Restricted Working Space, Add	*1.52*	
23 05 29 00-0306	EA	3/4" Two Hole Copper-Clad Pipe Strap	5.83	
		For Work In Restricted Working Space, Add	*1.60*	
23 05 29 00-0307	EA	1" Two Hole Copper-Clad Pipe Strap	6.45	
		For Work In Restricted Working Space, Add	*1.67*	
23 05 29 00-0308	EA	1-1/4" Two Hole Copper-Clad Pipe Strap	7.11	
		For Work In Restricted Working Space, Add	*1.75*	
23 05 29 00-0309	EA	1-1/2" Two Hole Copper-Clad Pipe Strap	7.60	
		For Work In Restricted Working Space, Add	*1.82*	
23 05 29 00-0310	EA	2" Two Hole Copper-Clad Pipe Strap	8.25	
		For Work In Restricted Working Space, Add	*1.98*	
23 05 29 00-0311		**One Hole Galvanized Steel Pipe Straps** *(23 05 29 00-0291)*		
23 05 29 00-0312	EA	1/2" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	2.88	
		For Work In Restricted Working Space, Add	*0.51*	
23 05 29 00-0313	EA	3/4" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.49	
		For Work In Restricted Working Space, Add	*0.54*	
23 05 29 00-0314	EA	1" One Hole Galvanized Steel Pipe Strap (Anvil 185D)	3.75	
		For Work In Restricted Working Space, Add	*0.59*	
23 05 29 00-0315	EA	1-1/4" Galvanized Steel Strap, 1 Hole	4.02	
		For Work In Restricted Working Space, Add	*0.63*	
23 05 29 00-0316	EA	1-1/2" Galvanized Steel Strap, 1 Hole	4.32	
		For Work In Restricted Working Space, Add	*0.69*	
23 05 29 00-0317	EA	2" Galvanized Steel Strap, 1 Hole	4.82	
		For Work In Restricted Working Space, Add	*0.76*	
23 05 29 00-0318		**Pipe and Equipment Support Brackets** *(23 05 29 00-0001)*		
23 05 29 00-0319		**Pipe and Equipment Supports, Light Duty Welded Steel Bracket (Cooper B-Line B3068)** *(23 05 29 00-0318)*		
		Note: Up to 750# load.		
23 05 29 00-0320	EA	9" x 9" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	141.85	11.20
		For Work In Restricted Working Space, Add	*6.72*	
		For Galvanized, Add	*23.89*	
23 05 29 00-0321	EA	13" x 13" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	144.04	11.20
		For Work In Restricted Working Space, Add	*6.72*	
		For Galvanized, Add	*24.33*	
23 05 29 00-0322	EA	19" x 19" Light Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3068)	152.68	11.20
		For Work In Restricted Working Space, Add	*6.72*	
		For Galvanized, Add	*26.06*	
23 05 29 00-0323		**Pipe and Equipment Supports, Medium Duty Welded Steel Bracket (Cooper B-Line B3066)** *(23 05 29 00-0318)*		
		Note: Up to 1500# load.		
23 05 29 00-0324	EA	12" Wide x 18" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	352.92	11.20
		For Work In Restricted Working Space, Add	*6.72*	
		For Galvanized, Add	*66.10*	
23 05 29 00-0325	EA	18" Wide x 24" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	415.06	11.20
		For Work In Restricted Working Space, Add	*6.72*	
		For Galvanized, Add	*78.53*	
23 05 29 00-0326	EA	24" Wide x 30" Deep Medium Duty Welded Steel Bracket, Wall Mounted (Cooper B-Line B3066)	541.76	11.20
		For Work In Restricted Working Space, Add	*6.72*	
		For Galvanized, Add	*103.87*	
23 05 29 00-0327		**Pipe Alignment Guide** *(23 05 29 00-0001)*		
23 05 29 00-0328		**Pipe Alignment Guide, 1" Insulation** *(23 05 29 00-0327)*		
23 05 29 00-0329	EA	1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1/2)	559.70	17.74
23 05 29 00-0330	EA	3/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3/4)	560.63	18.20
23 05 29 00-0331	EA	1" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1)	561.56	18.67
23 05 29 00-0332	EA	1-1/4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/4)	562.50	19.13
23 05 29 00-0333	EA	1-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-1-1/2)	614.49	19.60
23 05 29 00-0334	EA	2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2)	626.18	21.47
23 05 29 00-0335	EA	2-1/2" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-2-1/2)	627.58	22.17
23 05 29 00-0336	EA	3" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-3)	628.97	22.87
23 05 29 00-0337	EA	4" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-4)	665.65	24.27
23 05 29 00-0338	EA	5" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-5)	774.88	30.80
23 05 29 00-0339	EA	6" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-6)	787.94	37.33
23 05 29 00-0340	EA	8" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-8)	885.53	46.67
23 05 29 00-0341	EA	10" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-10)	1,654.07	56.01
23 05 29 00-0342	EA	12" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-12)	2,523.18	74.67
23 05 29 00-0343	EA	14" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-14)	3,104.12	93.34
23 05 29 00-0344	EA	16" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-16)	3,739.26	104.54
23 05 29 00-0345	EA	18" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-18)	4,030.95	116.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0346	EA	20" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-20)	4,278.71	133.48
23 05 29 00-0347	EA	24" Diameter Pipe Alignment Guide, 1" Insulation (Cooper B-Line B3281-24)	5,406.60	140.01

23 05 29 00-0348 Pipe Alignment Guide, 1-1/2" Insulation *(23 05 29 00-0327)*

23 05 29 00-0349	EA	1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1/2)	560.63	18.20
23 05 29 00-0350	EA	3/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3/4)	612.62	18.67
23 05 29 00-0351	EA	1" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1)	613.56	19.13
23 05 29 00-0352	EA	1-1/4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/4)	614.49	19.60
23 05 29 00-0353	EA	1-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-1-1/2)	615.43	20.07
23 05 29 00-0354	EA	2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2)	627.11	21.93
23 05 29 00-0355	EA	2-1/2" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-2-1/2)	628.51	22.64
23 05 29 00-0356	EA	3" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-3)	663.78	23.34
23 05 29 00-0357	EA	4" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-4)	666.58	24.74
23 05 29 00-0358	EA	5" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-5)	776.28	31.50
23 05 29 00-0359	EA	6" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-6)	789.81	38.27
23 05 29 00-0360	EA	8" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-8)	887.86	47.84
23 05 29 00-0361	EA	10" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-10)	1,656.87	57.40
23 05 29 00-0362	EA	12" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-12)	2,526.92	76.54
23 05 29 00-0363	EA	14" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-14)	3,108.79	95.67
23 05 29 00-0364	EA	16" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-16)	3,744.86	107.34
23 05 29 00-0365	EA	18" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-18)	4,036.55	119.48
23 05 29 00-0366	EA	20" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-20)	4,285.25	136.74
23 05 29 00-0367	EA	24" Diameter Pipe Alignment Guide, 1-1/2" Insulation (Cooper B-Line B3282-24)	5,413.60	143.51

23 05 29 00-0368 Pipe Alignment Guide, 2" Insulation *(23 05 29 00-0327)*

23 05 29 00-0369	EA	1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1/2)	612.62	18.67
23 05 29 00-0370	EA	3/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3/4)	621.51	19.13
23 05 29 00-0371	EA	1" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1)	622.44	19.60
23 05 29 00-0372	EA	1-1/4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/4)	623.38	20.07
23 05 29 00-0373	EA	1-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-1-1/2)	624.31	20.53
23 05 29 00-0374	EA	2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2)	661.91	22.40
23 05 29 00-0375	EA	2-1/2" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-2-1/2)	663.78	23.34
23 05 29 00-0376	EA	3" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-3)	664.95	23.92
23 05 29 00-0377	EA	4" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-4)	763.67	25.20
23 05 29 00-0378	EA	5" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-5)	777.68	32.20
23 05 29 00-0379	EA	6" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-6)	870.60	39.20
23 05 29 00-0380	EA	8" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-8)	977.61	49.00
23 05 29 00-0381	EA	10" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-10)	1,659.66	58.80
23 05 29 00-0382	EA	12" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-12)	2,530.65	78.41
23 05 29 00-0383	EA	14" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-14)	3,113.45	98.01
23 05 29 00-0384	EA	16" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-16)	3,750.25	110.04
23 05 29 00-0385	EA	18" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-18)	4,042.62	122.50
23 05 29 00-0386	EA	20" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-20)	4,291.78	140.01
23 05 29 00-0387	EA	24" Diameter Pipe Alignment Guide, 2" Insulation (Cooper B-Line B3283-24)	5,420.60	147.01

23 05 29 00-0388 Pipe Alignment Guide, 2-1/2" Insulation *(23 05 29 00-0327)*

23 05 29 00-0389	EA	1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1/2)	621.51	19.13
23 05 29 00-0390	EA	3/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3/4)	656.31	19.60
23 05 29 00-0391	EA	1" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1)	657.25	20.07
23 05 29 00-0392	EA	1-1/4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/4)	658.18	20.53
23 05 29 00-0393	EA	1-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-1-1/2)	659.11	21.01
23 05 29 00-0394	EA	2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2)	662.84	22.87
23 05 29 00-0395	EA	2-1/2" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-2-1/2)	664.95	23.92
23 05 29 00-0396	EA	3" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-3)	762.27	24.50
23 05 29 00-0397	EA	4" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-4)	764.61	25.66
23 05 29 00-0398	EA	5" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-5)	857.53	32.67
23 05 29 00-0399	EA	6" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-6)	872.46	40.14
23 05 29 00-0400		8" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-8)	1,642.40	50.17
23 05 29 00-0401	EA	10" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-10)	2,494.25	60.20
23 05 29 00-0402	EA	12" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-12)	3,077.98	80.27
23 05 29 00-0403	EA	14" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-14)	3,118.67	100.34
23 05 29 00-0404	EA	16" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-16)	3,756.06	112.94
23 05 29 00-0405	EA	18" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-18)	4,048.68	125.54
23 05 29 00-0406	EA	20" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-20)	4,298.78	143.51
23 05 29 00-0407	EA	24" Diameter Pipe Alignment Guide, 2-1/2" Insulation (Cooper B-Line B3284-24)	5,428.06	150.74

23 05 29 00-0408 Pipe Alignment Guide, 3" Insulation *(23 05 29 00-0327)*

23 05 29 00-0409	EA	1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1/2)	656.31	19.60
23 05 29 00-0410	EA	3/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3/4)	657.25	20.07
23 05 29 00-0411	EA	1" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1)	658.18	20.53
23 05 29 00-0412	EA	1-1/4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/4)	659.11	21.01
23 05 29 00-0413	EA	1-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-1-1/2)	660.05	21.47
23 05 29 00-0414	EA	2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2)	759.94	23.34
23 05 29 00-0415	EA	2-1/2" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-2-1/2)	762.27	24.50
23 05 29 00-0416	EA	3" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-3)	763.67	25.20
23 05 29 00-0417	EA	4" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-4)	844.83	26.32

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0418	EA	5" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-5)	859.39	33.60
23 05 29 00-0419	EA	6" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-6)	961.74	41.07
23 05 29 00-0420	EA	8" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-8)	1,644.73	51.34
23 05 29 00-0421	EA	10" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-10)	2,497.05	61.61
23 05 29 00-0422	EA	12" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-12)	3,081.71	82.14
23 05 29 00-0423	EA	14" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-14)	3,123.34	102.67
23 05 29 00-0424	EA	16" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-16)	3,761.67	115.74
23 05 29 00-0425	EA	18" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-18)	4,054.29	128.34
23 05 29 00-0426	EA	20" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-20)	4,305.78	147.01
23 05 29 00-0427	EA	24" Diameter Pipe Alignment Guide, 3" Insulation (Cooper B-Line B3285-24)	5,435.53	154.47

23 05 29 00-0428 Pipe Alignment Guide, 3-1/2" Insulation *(23 05 29 00-0327)*

23 05 29 00-0429	EA	1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1/2)	657.25	20.07
23 05 29 00-0430	EA	3/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3/4)	754.34	20.53
23 05 29 00-0431	EA	1" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1)	755.27	21.01
23 05 29 00-0432	EA	1-1/4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/4)	756.21	21.47
23 05 29 00-0433	EA	1-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-1-1/2)	757.14	21.93
23 05 29 00-0434	EA	2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2)	761.11	23.92
23 05 29 00-0435	EA	2-1/2" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-2-1/2)	763.49	25.11
23 05 29 00-0436	EA	3" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-3)	843.85	25.84
23 05 29 00-0437	EA	4" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-4)	846.32	27.07
23 05 29 00-0438	EA	5" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-5)	948.67	34.54
23 05 29 00-0439	EA	6" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-6)	1,626.06	42.00
23 05 29 00-0440	EA	8" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-8)	2,478.85	52.50
23 05 29 00-0441	EA	10" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-10)	3,044.28	63.15
23 05 29 00-0442	EA	12" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-12)	3,698.19	84.00
23 05 29 00-0443	EA	14" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-14)	3,740.66	105.24
23 05 29 00-0444	EA	16" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-16)	4,047.28	118.54
23 05 29 00-0445	EA	18" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-18)	4,274.98	131.61
23 05 29 00-0446	EA	20" Diameter Pipe Alignment Guide, 3-1/2" Insulation (Cooper B-Line B3286-20)	5,427.13	150.28

23 05 29 00-0447 Pipe Alignment Guide, 4" Insulation *(23 05 29 00-0327)*

23 05 29 00-0448	EA	1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1/2)	754.34	20.53
23 05 29 00-0449	EA	3/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3/4)	755.27	21.01
23 05 29 00-0450	EA	1" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1)	756.21	21.47
23 05 29 00-0451	EA	1-1/4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/4)	757.14	21.93
23 05 29 00-0452	EA	1-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-1-1/2)	758.07	22.40
23 05 29 00-0453	EA	2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2)	841.19	24.50
23 05 29 00-0454	EA	2-1/2" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-2-1/2)	843.53	25.66
23 05 29 00-0455	EA	3" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-3)	845.11	26.46
23 05 29 00-0456	EA	4" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-4)	935.13	27.77
23 05 29 00-0457	EA	5" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-5)	1,612.99	35.47
23 05 29 00-0458	EA	6" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-6)	1,627.93	42.94
23 05 29 00-0459	EA	8" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-8)	2,481.18	53.67
23 05 29 00-0460	EA	10" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-10)	3,047.73	64.87
23 05 29 00-0461	EA	12" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-12)	3,702.39	86.11
23 05 29 00-0462	EA	14" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-14)	4,012.28	107.34
23 05 29 00-0463	EA	16" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-16)	4,254.44	121.34
23 05 29 00-0464	EA	18" Diameter Pipe Alignment Guide, 4" Insulation (Cooper B-Line B3287-18)	5,397.26	135.34

23 05 29 00-0465 Sway Bracing For No Hub Pipe *(23 05 29 00-0001)*

23 05 29 00-0466	EA	1-1/2" Sway Bracing	108.14	12.32
		For Work In Restricted Working Space, Add	*7.37*	
23 05 29 00-0467	EA	2" Sway Bracing	111.49	12.98
		For Work In Restricted Working Space, Add	*7.78*	
23 05 29 00-0468	EA	3" Sway Bracing	115.55	13.72
		For Work In Restricted Working Space, Add	*8.24*	
23 05 29 00-0469	EA	4" Sway Bracing	131.14	15.59
		For Work In Restricted Working Space, Add	*9.33*	
23 05 29 00-0470	EA	6" Sway Bracing	192.55	23.34
		For Work In Restricted Working Space, Add	*14.00*	
23 05 29 00-0471	EA	8" Sway Bracing	214.13	29.12
		For Work In Restricted Working Space, Add	*17.50*	
23 05 29 00-0472	EA	10" Sway Bracing	242.88	38.93
		For Work In Restricted Working Space, Add	*23.33*	

23 05 29 00-0473 Pipe Stand With Adjustable Saddle (Cooper B-Line B3088T-18 Base, B3093 Adjustable Pipe Saddle) *(23 05 29 00-0001)*

Note: Heights listed is total for base and adjustable saddle

23 05 29 00-0474	EA	23" to 28" High Pipe Stand With Adjustable Saddle For 1-1/4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	228.89	9.34
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0475	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 1-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	234.16	10.27
		For Work In Restricted Working Space, Add	*6.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0476	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	452.51	11.67
		For Work In Restricted Working Space, Add	*7.00*	
23 05 29 00-0477	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 2-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	556.48	13.07
		For Work In Restricted Working Space, Add	*7.84*	
23 05 29 00-0478	EA	24" to 29" High Pipe Stand With Adjustable Saddle For 3" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	563.94	14.47
		For Work In Restricted Working Space, Add	*8.68*	
23 05 29 00-0479	EA	25" to 29" High Pipe Stand With Adjustable Saddle For 3-1/2" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	618.99	16.34
		For Work In Restricted Working Space, Add	*9.80*	
23 05 29 00-0480	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 4" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	739.63	17.74
		For Work In Restricted Working Space, Add	*10.64*	
23 05 29 00-0481	EA	25" to 30" High Pipe Stand With Adjustable Saddle For 5" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	748.57	19.13
		For Work In Restricted Working Space, Add	*11.48*	
23 05 29 00-0482	EA	26" to 31" High Pipe Stand With Adjustable Saddle For 6" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	760.05	21.01
		For Work In Restricted Working Space, Add	*12.60*	
23 05 29 00-0483	EA	28" to 33" High Pipe Stand With Adjustable Saddle For 8" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	791.11	22.87
		For Work In Restricted Working Space, Add	*13.72*	
23 05 29 00-0484	EA	29" to 34" High Pipe Stand With Adjustable Saddle For 10" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	846.46	25.20
		For Work In Restricted Working Space, Add	*15.12*	
23 05 29 00-0485	EA	30" to 35" High Pipe Stand With Adjustable Saddle For 12" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	872.00	28.00
		For Work In Restricted Working Space, Add	*16.80*	
23 05 29 00-0486	EA	32" to 37" High Pipe Stand With Adjustable Saddle For 14" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,062.31	30.80
		For Work In Restricted Working Space, Add	*18.48*	
23 05 29 00-0487	EA	33" to 38" High Pipe Stand With Adjustable Saddle For 16" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,157.00	34.54
		For Work In Restricted Working Space, Add	*20.72*	
23 05 29 00-0488	EA	35" to 40" High Pipe Stand With Adjustable Saddle For 18" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	1,634.70	38.27
		For Work In Restricted Working Space, Add	*22.96*	
23 05 29 00-0489	EA	36" to 41" High Pipe Stand With Adjustable Saddle For 20" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,003.53	42.00
		For Work In Restricted Working Space, Add	*25.20*	
23 05 29 00-0490	EA	39" to 44" High Pipe Stand With Adjustable Saddle For 24" Pipe (Cooper B-Line B3088T-18 Base, With B3093 Adjustable Pipe Saddle)	2,395.94	45.73
		For Work In Restricted Working Space, Add	*27.44*	

23 05 29 00-0491 Channel Mounted Cushion Clamp *(23 05 29 00-0001)*

Note: Includes fastening into channel.

23 05 29 00-0492	EA	1/2" Channel Mounted Cushion Clamp For 3/8" Pipe (Cooper B-Line BVT050)	12.47	4.21
23 05 29 00-0493	EA	5/8" Channel Mounted Cushion Clamp For 1/2" Pipe (Cooper B-Line BVT062)	13.14	4.67
23 05 29 00-0494	EA	7/8" Channel Mounted Cushion Clamp For 3/4" Pipe (Cooper B-Line BVT087)	14.83	4.90
23 05 29 00-0495	EA	1-1/8" Channel Mounted Cushion Clamp For 1" Pipe (Cooper B-Line BVT112)	15.99	5.13
23 05 29 00-0496	EA	1-3/8" Channel Mounted Cushion Clamp For 1-1/4" Pipe (Cooper B-Line BVT137)	17.99	5.60
23 05 29 00-0497	EA	1-5/8" Channel Mounted Cushion Clamp For 1-1/2" Pipe (Cooper B-Line BVT162)	20.54	5.83
23 05 29 00-0498	EA	2-1/8" Channel Mounted Cushion Clamp For 2" Pipe (Cooper B-Line BVT212)	27.29	6.07
23 05 29 00-0499	EA	2-5/8" Channel Mounted Cushion Clamp For 2-1/2" Pipe (Cooper B-Line BVT262)	30.36	6.53
23 05 29 00-0500	EA	3-1/8" Channel Mounted Cushion Clamp For 3" Pipe (Cooper B-Line BVT312)	37.90	7.46
23 05 29 00-0501	EA	4-1/8" Channel Mounted Cushion Clamp For 4" Pipe (Cooper B-Line BVT412)	60.46	8.40

23 05 29 00-0502 Galvanized Steel Cushion Tube Clamp (KMC) *(23 05 29 00-0001)*

Note: Excludes fastening bolt and drilling if necessary.

23 05 29 00-0503	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/8" Pipe Note: 19/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.38
23 05 29 00-0504	EA	1/2" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/8" Pipe Note: 23/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.47
23 05 29 00-0505	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1/2" Pipe Note: 23/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.52
23 05 29 00-0506	EA	5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1/2" Pipe Note: 27/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.67
23 05 29 00-0507	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3/4" Pipe Note: 27/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.50
23 05 29 00-0508	EA	7/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3/4" Pipe Note: 31/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.75
23 05 29 00-0509	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1" Pipe Note: 31/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.60
23 05 29 00-0510	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1" Pipe Note: 1-1/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.91
23 05 29 00-0511	EA	1-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1" Pipe Note: 1-5/32" Center To Center Length, 17/32" Hole Diameter For Screw	3.93
23 05 29 00-0512	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/4" Pipe Note: 1-3/32" Center To Center Length, 9/32" Hole Diameter For Screw	3.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0513	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/4" Pipe Note: 1-7/32" Center To Center Length, 13/32" Hole Diameter For Screw	3.88	
23 05 29 00-0514	EA	1-3/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/4" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	4.33	
23 05 29 00-0515	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 1-1/2" Pipe Note: 1-5/16" Center To Center Length, 9/32" Hole Diameter For Screw	3.90	
23 05 29 00-0516	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 1-1/2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	4.18	
23 05 29 00-0517	EA	1-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 1-1/2" Pipe Note: 1-13/16" Center To Center Length, 17/32" Hole Diameter For Screw	4.66	
23 05 29 00-0518	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2" Pipe Note: 1-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	4.70	
23 05 29 00-0519	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2" Pipe Note: 1-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	4.96	
23 05 29 00-0520	EA	2-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2" Pipe Note: 1-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	5.48	
23 05 29 00-0521	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 2-1/2" Pipe Note: 1-11/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.63	
23 05 29 00-0522	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 2-1/2" Pipe Note: 1-13/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.41	
23 05 29 00-0523	EA	2-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 2-1/2" Pipe Note: 1-15/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.47	
23 05 29 00-0524	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3" Pipe Note: 1-15/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.79	
23 05 29 00-0525	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3" Pipe Note: 2-1/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.41	
23 05 29 00-0526	EA	3-1/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3" Pipe Note: 2-3/16" Center To Center Length, 17/32" Hole Diameter For Screw	6.78	
23 05 29 00-0527	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 3-1/2" Pipe Note: 2-3/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.99	
23 05 29 00-0528	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 3-1/2" Pipe Note: 2-5/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.36	
23 05 29 00-0529	EA	3-5/8" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 3-1/2" Pipe Note: 2-7/16" Center To Center Length, 17/32" Hole Diameter For Screw	7.81	
23 05 29 00-0530	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1/2" Width For 4" Pipe Note: 2-7/16" Center To Center Length, 9/32" Hole Diameter For Screw	5.95	
23 05 29 00-0531	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 3/4" Width For 4" Pipe Note: 2-9/16" Center To Center Length, 13/32" Hole Diameter For Screw	6.49	
23 05 29 00-0532	EA	4" Vinyl Coated Galvanized Cushion Tube Clamp, 1" Width For 4" Pipe Note: 2-11/16" Center To Center Length, 17/32" Hole Diameter For Screw	8.13	

23 05 29 00-0533 Rooftop Pipe Supports *(23 05 29 00-0001)*

Note: Excludes pipe/conduit clamps and straps.

23 05 29 00-0534 Rooftop Support Base *(23 05 29 00-0533)*

23 05 29 00-0535	EA	4" x 6" x 4.8" Rooftop Support Base (Cooper B-Line Dura-Blok DBM)	32.73	7.60
23 05 29 00-0536	EA	4" x 6" x 9.6" Rooftop Support Base (Cooper B-Line Dura-Blok DBP)	45.56	10.14

23 05 29 00-0537 Rooftop Support Base With 14 Gauge Galvanized Channel *(23 05 29 00-0533)*

23 05 29 00-0538	EA	5" x 6" x 4.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB5)	37.10	7.60
23 05 29 00-0539	EA	5" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10)	52.66	10.14
23 05 29 00-0540	EA	5" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB20)	96.67	12.67
23 05 29 00-0541	EA	5" x 6" x 30.8" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB30)	133.39	15.20
23 05 29 00-0542	EA	5" x 6" x 41.4" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB40)	184.40	17.74
23 05 29 00-0543	EA	5" x 6" x 52" Rooftop Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB48)	194.62	20.27

23 05 29 00-0544 Rooftop Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0533)*

23 05 29 00-0545	EA	6-7/16" x 6" x 9.6" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB610)	64.24	10.14
23 05 29 00-0546	EA	6-7/16" x 6" x 20.2" Support Base With 14 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB620)	101.84	12.67
23 05 29 00-0547	EA	6-7/16" x 6" x 30.8" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB630)	135.46	15.20
23 05 29 00-0548	EA	6-7/16" x 6" x 41.4" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB640)	184.52	17.74
23 05 29 00-0549	EA	6-7/16" x 6" x 52" Rooftop Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB648)	207.15	15.20

23 05 29 00-0550 Rooftop Bridge Support Base With 12 Gauge Galvanized Channel *(23 05 29 00-0533)*

23 05 29 00-0551	EA	5-5/8" x 6" x 28" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-28)	107.44	15.20
23 05 29 00-0552	EA	5-5/8" x 6" x 36" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-36)	122.40	17.74
23 05 29 00-0553	EA	5-5/8" x 6" x 42" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-42)	127.43	20.27
23 05 29 00-0554	EA	5-5/8" x 6" x 50" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-50)	139.54	22.80
23 05 29 00-0555	EA	5-5/8" x 6" x 60" Rooftop Bridge Support Base With 12 Gauge Galvanized Channel (Cooper B-Line Dura-Blok DB10-60)	178.23	25.34

23 05 29 00-0556 Rooftop Pipe Support Base And Rod *(23 05 29 00-0533)*

23 05 29 00-0557	EA	9.69" To 11.19" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1/2CT)	77.97	10.14
23 05 29 00-0558	EA	9.84" To 11.34" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-3/4CT)	77.97	10.14

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0559	EA	9.95" To 11.45" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1CT)	78.40	10.14
23 05 29 00-0560	EA	10.13" To 11.63" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/4CT)	83.91	12.67
23 05 29 00-0561	EA	10.28" To 11.78" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-1-1/2CT)	80.74	12.67
23 05 29 00-0562	EA	10.53" To 12.03" Height Rooftop Pipe Support Base And Rod (Cooper B-Line Dura-Blok DBM-2CT)	84.81	12.67

23 05 29 00-0563 Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly *(23 05 29 00-0533)*

23 05 29 00-0564	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR2-3 1/2)	98.73	10.14
23 05 29 00-0565	EA	7.09" x 6" x 9.6" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR4-6)	110.12	10.14
23 05 29 00-0566	EA	8.34" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR8-10)	144.30	12.67
23 05 29 00-0567	EA	9.38" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR12-14)	190.84	12.67
23 05 29 00-0568	EA	9.78" x 6" x 20.2" Rooftop Support Base With 14 Gauge Galvanized Channel And Fixed Height Roller Assembly (Cooper B-Line Dura-Blok DBR16-20)	259.97	12.67

23 05 29 00-0569 Rooftop Support Base And Adjustable Height Roller Assembly *(23 05 29 00-0533)*

Note: Includes base, two zinc all threaded rod risers and pipe roller.

23 05 29 00-0570	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Roller Assembly (Cooper B-Line Dura-Blok DBR10-12)	123.22	15.20

23 05 29 00-0571 Rooftop Support Base And Adjustable Height Channel Assembly *(23 05 29 00-0533)*

Note: Includes base, two zinc all threaded rod and 14 gauge slotted channel.

23 05 29 00-0572	EA	Up To 8" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-8)	80.95	12.67
23 05 29 00-0573	EA	Up To 12" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-12)	110.20	15.20
23 05 29 00-0574	EA	Up To 16" Height, 6" x 9.6" Rooftop Support Base And Adjustable Height Channel Assembly (Cooper B-Line Dura-Blok DBE10-16)	122.93	17.74

23 05 29 00-0575 Rooftop Support Bases With Channel Support And Risers Assembly *(23 05 29 00-0533)*

Note: Includes two support bases, two 12 gauge galvanized channel risers and one 12 gauge galvanized channel support. Dimensions are "overall" (height x width x length).

23 05 29 00-0576	EA	23" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2318DS)	295.41	20.27
23 05 29 00-0577	EA	29" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2918DS)	298.69	20.27
23 05 29 00-0578	EA	41" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4118DS)	310.18	20.27
23 05 29 00-0579	EA	53" x 25-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5318DS)	336.56	20.27
23 05 29 00-0580	EA	23" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2324DS)	289.57	20.27
23 05 29 00-0581	EA	29" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2924DS)	300.56	20.27
23 05 29 00-0582	EA	41" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4124DS)	312.05	20.27
23 05 29 00-0583	EA	53" x 31-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5324DS)	338.42	20.27
23 05 29 00-0584	EA	23" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2336DS)	302.63	20.27
23 05 29 00-0585	EA	29" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2936DS)	306.47	20.27
23 05 29 00-0586	EA	41" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4136DS)	317.74	20.27
23 05 29 00-0587	EA	53" x 43-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5336DS)	344.23	20.27
23 05 29 00-0588	EA	23" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2348DS)	315.99	20.27
23 05 29 00-0589	EA	29" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB2948DS)	319.49	20.27
23 05 29 00-0590	EA	41" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB4148DS)	330.76	20.27
23 05 29 00-0591	EA	53" x 55-5/8" x 20.2" Rooftop Support Bases With Channel Support And Risers Assembly (Cooper B-Line Dura-Blok DB5348DS)	357.24	20.27

23 05 29 00-0592 Threaded Rod, Accessories And Attachments *(23 05 29)*

23 05 29 00-0593 Threaded Rod And Rod Accessories *(23 05 29 00-0592)*

23 05 29 00-0594 Threaded Rod *(23 05 29 00-0593)*

Note: Fully threaded.

23 05 29 00-0595	LF	3/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	3.29	0.63
		For Work In Restricted Working Space, Add	*0.38*	
		For Galvanized, Add	*0.81*	
		For Zinc Plated, Add	*0.58*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0596	LF	1/2" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	4.57	0.68
		For Work In Restricted Working Space, Add	*0.41*	
		For Galvanized, Add	*1.29*	
		For Zinc Plated, Add	*0.92*	
23 05 29 00-0597	LF	5/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	6.39	0.70
		For Work In Restricted Working Space, Add	*0.42*	
		For Galvanized, Add	*2.00*	
		For Zinc Plated, Add	*1.42*	
23 05 29 00-0598	LF	3/4" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	10.50	0.72
		For Work In Restricted Working Space, Add	*0.43*	
		For Galvanized, Add	*3.62*	
		For Zinc Plated, Add	*2.58*	
23 05 29 00-0599	LF	7/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	11.45	0.75
		For Work In Restricted Working Space, Add	*0.45*	
		For Galvanized, Add	*3.98*	
		For Zinc Plated, Add	*2.84*	
23 05 29 00-0600	LF	1" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	15.67	0.84
		For Work In Restricted Working Space, Add	*0.51*	
		For Galvanized, Add	*5.59*	
		For Zinc Plated, Add	*3.98*	
23 05 29 00-0601	LF	1-1/8" Diameter, Plain Finish Steel, Low Carbon Threaded Rod	19.52	0.94
		For Work In Restricted Working Space, Add	*0.56*	
		For Galvanized, Add	*7.06*	
		For Zinc Plated, Add	*5.03*	

23 05 29 00-0602 Rod Couplings *(23 05 29 00-0593)*

23 05 29 00-0603	EA	3/8" Diameter, Threaded Rod Coupling Nut	7.81	
		For Work In Restricted Working Space, Add	*1.87*	
23 05 29 00-0604	EA	1/2" Diameter, Threaded Rod Coupling Nut	8.90	
		For Work In Restricted Working Space, Add	*2.07*	
23 05 29 00-0605	EA	5/8" Diameter, Threaded Rod Coupling Nut	11.30	
		For Work In Restricted Working Space, Add	*2.33*	
23 05 29 00-0606	EA	3/4" Diameter, Threaded Rod Coupling Nut	13.99	
		For Work In Restricted Working Space, Add	*2.55*	
23 05 29 00-0607	EA	7/8" Diameter, Threaded Rod Coupling Nut	21.17	
		For Work In Restricted Working Space, Add	*2.80*	
23 05 29 00-0608	EA	1" Diameter, Threaded Rod Coupling Nut	25.13	
		For Work In Restricted Working Space, Add	*3.29*	
23 05 29 00-0609	EA	1-1/8" Diameter, Threaded Rod Coupling Nut	49.89	
		For Work In Restricted Working Space, Add	*3.73*	

23 05 29 00-0610 Flat Washers *(23 05 29 00-0593)*

Note: Zinc plated.

23 05 29 00-0611	EA	3/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.56	0.20
		For Work In Restricted Working Space, Add	*0.13*	
		For Galvanized, Add	*0.04*	
23 05 29 00-0612	EA	1/2" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	0.77	0.20
		For Work In Restricted Working Space, Add	*0.14*	
		For Galvanized, Add	*0.08*	
23 05 29 00-0613	EA	5/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.14	0.30
		For Work In Restricted Working Space, Add	*0.17*	
		For Galvanized, Add	*0.15*	
23 05 29 00-0614	EA	3/4" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.56	0.30
		For Work In Restricted Working Space, Add	*0.22*	
		For Galvanized, Add	*0.21*	
23 05 29 00-0615	EA	7/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	1.84	0.40
		For Work In Restricted Working Space, Add	*0.26*	
		For Galvanized, Add	*0.25*	
23 05 29 00-0616	EA	1" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.15	0.40
		For Work In Restricted Working Space, Add	*0.28*	
		For Galvanized, Add	*0.30*	
23 05 29 00-0617	EA	1-1/8" Inside Diameter, Zinc Plated Steel, Low Carbon Flat Washer	2.43	0.50
		For Work In Restricted Working Space, Add	*0.32*	
		For Galvanized, Add	*0.34*	

23 05 29 00-0618 Hex Nuts *(23 05 29 00-0593)*

Note: Grade 2 and zinc plated.

23 05 29 00-0619	EA	3/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.68	0.25
		For Work In Restricted Working Space, Add	*0.17*	
		For Galvanized, Add	*0.03*	
23 05 29 00-0620	EA	1/2" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	0.90	0.25
		For Work In Restricted Working Space, Add	*0.19*	
		For Galvanized, Add	*0.07*	
23 05 29 00-0621	EA	5/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.25	0.25
		For Work In Restricted Working Space, Add	*0.20*	
		For Galvanized, Add	*0.15*	
23 05 29 00-0622	EA	3/4" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	1.49	0.50
		For Work In Restricted Working Space, Add	*0.21*	
		For Galvanized, Add	*0.20*	
23 05 29 00-0623	EA	7/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.22	0.50
		For Work In Restricted Working Space, Add	*0.23*	
		For Galvanized, Add	*0.37*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0624	EA	1" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	2.84	0.50
		For Work In Restricted Working Space, Add	*0.26*	
		For Galvanized, Add	*0.50*	
23 05 29 00-0625	EA	1-1/8" Diameter, Zinc Plated Steel, Low Carbon/Grade 2 Hex Nut	4.70	0.50
		For Work In Restricted Working Space, Add	*0.28*	
		For Galvanized, Add	*0.94*	

23 05 29 00-0626 Turnbuckle (Cooper B-Line B3202) *(23 05 29 00-0593)*

Note: Type 13.

23 05 29 00-0627	EA	3/8" Turnbuckle (Cooper B-Line B3202)	29.58	5.07
		For Work In Restricted Working Space, Add	*3.04*	
23 05 29 00-0628	EA	1/2" Turnbuckle (Cooper B-Line B3202)	35.43	5.57
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0629	EA	5/8" Turnbuckle (Cooper B-Line B3202)	37.95	6.08
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0630	EA	3/4" Turnbuckle (Cooper B-Line B3202)	48.33	7.10
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0631	EA	7/8" Turnbuckle (Cooper B-Line B3202)	63.30	7.60
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0632	EA	1" Turnbuckle (Cooper B-Line B3202)	78.85	8.11
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-0633	EA	1-1/8" Turnbuckle (Cooper B-Line B3202)	110.49	9.13
		For Work In Restricted Working Space, Add	*7.61*	

23 05 29 00-0634 Swivel Turnbuckle (Cooper B-Line B3224) *(23 05 29 00-0593)*

Note: Type 15.

23 05 29 00-0635	EA	3/8" Swivel Turnbuckle (Cooper B-Line B3224)	17.30	5.07
		For Work In Restricted Working Space, Add	*3.04*	
23 05 29 00-0636	EA	1/2" Swivel Turnbuckle (Cooper B-Line B3224)	20.19	5.67
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0637	EA	5/8" Swivel Turnbuckle (Cooper B-Line B3224)	27.65	6.28
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0638	EA	3/4" Swivel Turnbuckle (Cooper B-Line B3224)	33.75	7.20
		For Work In Restricted Working Space, Add	*4.34*	

23 05 29 00-0639 Forged Steel Clevis (Cooper B-Line B3201) *(23 05 29 00-0593)*

Note: Type 14.

23 05 29 00-0640	EA	3-9/16" Forged Steel Clevis With Pin, 3/8" To 5/8" Rod Size (Cooper B-Line B3201)	104.49	9.34
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0641	EA	4" Forged Steel Clevis With Pin, 3/4" To 7/8" Rod Size (Cooper B-Line B3201)	157.21	9.80
		For Work In Restricted Working Space, Add	*5.90*	
23 05 29 00-0642	EA	5-1/16" Forged Steel Clevis With Pin, 1" Rod Size (Cooper B-Line B3201)	170.24	10.27
		For Work In Restricted Working Space, Add	*6.22*	
23 05 29 00-0643	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/8" Rod Size (Cooper B-Line B3201)	177.13	11.20
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0644	EA	5-1/16" Forged Steel Clevis With Pin, 1-1/4" Rod Size (Cooper B-Line B3201)	185.74	12.61
		For Work In Restricted Working Space, Add	*7.47*	
23 05 29 00-0645	EA	6" Forged Steel Clevis With Pin, 1-1/2" Rod Size (Cooper B-Line B3201)	312.95	16.34
		For Work In Restricted Working Space, Add	*9.80*	
23 05 29 00-0646	EA	5-15/16" Forged Steel Clevis With Pin, 1-3/4" Rod Size (Cooper B-Line B3201)	338.93	18.67
		For Work In Restricted Working Space, Add	*11.20*	
23 05 29 00-0647	EA	7" Forged Steel Clevis With Pin, 2" Rod Size (Cooper B-Line B3201)	398.53	23.34
		For Work In Restricted Working Space, Add	*14.00*	

23 05 29 00-0648 Welded Eye Rod (Cooper B-Line B3211) *(23 05 29 00-0593)*

23 05 29 00-0649	EA	3/8" Diameter x 8" Length Shank, Welded Eye Rod	29.07	5.47
		For Work In Restricted Working Space, Add	*3.29*	
23 05 29 00-0650	EA	3/8" Diameter x 10" Length Shank, Welded Eye Rod	30.05	5.57
		For Work In Restricted Working Space, Add	*3.36*	
23 05 29 00-0651	EA	3/8" Diameter x 12" Length Shank, Welded Eye Rod	31.04	5.67
		For Work In Restricted Working Space, Add	*3.42*	
23 05 29 00-0652	EA	3/8" Diameter x 14" Length Shank, Welded Eye Rod	31.25	5.78
		For Work In Restricted Working Space, Add	*3.48*	
23 05 29 00-0653	EA	3/8" Diameter x 18" Length Shank, Welded Eye Rod	33.23	5.98
		For Work In Restricted Working Space, Add	*3.61*	
23 05 29 00-0654	EA	3/8" Diameter x 24" Length Shank, Welded Eye Rod	35.46	6.39
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0655	EA	3/8" Diameter x 30" Length Shank, Welded Eye Rod	36.86	6.69
		For Work In Restricted Working Space, Add	*3.99*	
23 05 29 00-0656	EA	3/8" Diameter x 36" Length Shank, Welded Eye Rod	39.87	6.99
		For Work In Restricted Working Space, Add	*4.18*	
23 05 29 00-0657	EA	3/8" Diameter x 42" Length Shank, Welded Eye Rod	42.06	7.30
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0658	EA	3/8" Diameter x 48" Length Shank, Welded Eye Rod	44.27	7.60
		For Work In Restricted Working Space, Add	*4.56*	
23 05 29 00-0659	EA	1/2" Diameter x 8" Length Shank, Welded Eye Rod	39.65	6.08
		For Work In Restricted Working Space, Add	*3.65*	
23 05 29 00-0660	EA	1/2" Diameter x 10" Length Shank, Welded Eye Rod	40.64	6.18
		For Work In Restricted Working Space, Add	*3.71*	

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23 05 29 00-0661	EA	1/2" Diameter x 12" Length Shank, Welded Eye Rod	41.67	6.28
		For Work In Restricted Working Space, Add	*3.78*	
23 05 29 00-0662	EA	1/2" Diameter x 14" Length Shank, Welded Eye Rod	42.68	6.39
		For Work In Restricted Working Space, Add	*3.85*	
23 05 29 00-0663	EA	1/2" Diameter x 18" Length Shank, Welded Eye Rod	44.69	6.59
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0664	EA	1/2" Diameter x 24" Length Shank, Welded Eye Rod	48.51	7.00
		For Work In Restricted Working Space, Add	*4.19*	
23 05 29 00-0665	EA	1/2" Diameter x 30" Length Shank, Welded Eye Rod	51.55	7.30
		For Work In Restricted Working Space, Add	*4.39*	
23 05 29 00-0666	EA	1/2" Diameter x 36" Length Shank, Welded Eye Rod	55.36	7.60
		For Work In Restricted Working Space, Add	*4.59*	
23 05 29 00-0667	EA	1/2" Diameter x 42" Length Shank, Welded Eye Rod	58.37	8.01
		For Work In Restricted Working Space, Add	*4.79*	
23 05 29 00-0668	EA	1/2" Diameter x 48" Length Shank, Welded Eye Rod	61.42	8.32
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0669	EA	5/8" Diameter x 8" Length Shank, Welded Eye Rod	54.44	6.80
		For Work In Restricted Working Space, Add	*4.08*	
23 05 29 00-0670	EA	5/8" Diameter x 10" Length Shank, Welded Eye Rod	56.23	6.90
		For Work In Restricted Working Space, Add	*4.15*	
23 05 29 00-0671	EA	5/8" Diameter x 12" Length Shank, Welded Eye Rod	58.06	7.00
		For Work In Restricted Working Space, Add	*4.22*	
23 05 29 00-0672	EA	5/8" Diameter x 14" Length Shank, Welded Eye Rod	59.08	7.20
		For Work In Restricted Working Space, Add	*4.29*	
23 05 29 00-0673	EA	5/8" Diameter x 18" Length Shank, Welded Eye Rod	61.89	7.40
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0674	EA	5/8" Diameter x 24" Length Shank, Welded Eye Rod	66.52	7.70
		For Work In Restricted Working Space, Add	*4.64*	
23 05 29 00-0675	EA	5/8" Diameter x 30" Length Shank, Welded Eye Rod	71.14	8.11
		For Work In Restricted Working Space, Add	*4.85*	
23 05 29 00-0676	EA	5/8" Diameter x 36" Length Shank, Welded Eye Rod	74.97	8.42
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0677	EA	5/8" Diameter x 42" Length Shank, Welded Eye Rod	79.61	8.82
		For Work In Restricted Working Space, Add	*5.27*	
23 05 29 00-0678	EA	5/8" Diameter x 48" Length Shank, Welded Eye Rod	84.22	9.13
		For Work In Restricted Working Space, Add	*5.48*	
23 05 29 00-0679	EA	3/4" Diameter x 8" Length Shank, Welded Eye Rod	67.28	7.70
		For Work In Restricted Working Space, Add	*4.64*	
23 05 29 00-0680	EA	3/4" Diameter x 10" Length Shank, Welded Eye Rod	69.89	7.80
		For Work In Restricted Working Space, Add	*4.71*	
23 05 29 00-0681	EA	3/4" Diameter x 12" Length Shank, Welded Eye Rod	71.69	8.01
		For Work In Restricted Working Space, Add	*4.78*	
23 05 29 00-0682	EA	3/4" Diameter x 14" Length Shank, Welded Eye Rod	74.28	8.11
		For Work In Restricted Working Space, Add	*4.85*	
23 05 29 00-0683	EA	3/4" Diameter x 18" Length Shank, Welded Eye Rod	78.69	8.32
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0684	EA	3/4" Diameter x 24" Length Shank, Welded Eye Rod	84.89	8.72
		For Work In Restricted Working Space, Add	*5.21*	
23 05 29 00-0685	EA	3/4" Diameter x 30" Length Shank, Welded Eye Rod	91.11	9.02
		For Work In Restricted Working Space, Add	*5.43*	
23 05 29 00-0686	EA	3/4" Diameter x 36" Length Shank, Welded Eye Rod	98.12	9.43
		For Work In Restricted Working Space, Add	*5.65*	
23 05 29 00-0687	EA	3/4" Diameter x 42" Length Shank, Welded Eye Rod	105.10	9.73
		For Work In Restricted Working Space, Add	*5.86*	
23 05 29 00-0688	EA	3/4" Diameter x 48" Length Shank, Welded Eye Rod	111.32	10.14
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-0689	EA	7/8" Diameter x 8" Length Shank, Welded Eye Rod	80.74	8.92
		For Work In Restricted Working Space, Add	*5.38*	
23 05 29 00-0690	EA	7/8" Diameter x 10" Length Shank, Welded Eye Rod	84.13	9.13
		For Work In Restricted Working Space, Add	*5.45*	
23 05 29 00-0691	EA	7/8" Diameter x 12" Length Shank, Welded Eye Rod	86.74	9.23
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0692	EA	7/8" Diameter x 14" Length Shank, Welded Eye Rod	89.33	9.33
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0693	EA	7/8" Diameter x 18" Length Shank, Welded Eye Rod	94.57	9.63
		For Work In Restricted Working Space, Add	*5.75*	
23 05 29 00-0694	EA	7/8" Diameter x 24" Length Shank, Welded Eye Rod	103.15	9.93
		For Work In Restricted Working Space, Add	*5.98*	
23 05 29 00-0695	EA	7/8" Diameter x 30" Length Shank, Welded Eye Rod	110.96	10.35
		For Work In Restricted Working Space, Add	*6.20*	
23 05 29 00-0696	EA	7/8" Diameter x 36" Length Shank, Welded Eye Rod	119.57	10.75
		For Work In Restricted Working Space, Add	*6.43*	
23 05 29 00-0697	EA	7/8" Diameter x 42" Length Shank, Welded Eye Rod	127.38	11.05
		For Work In Restricted Working Space, Add	*6.65*	
23 05 29 00-0698	EA	7/8" Diameter x 48" Length Shank, Welded Eye Rod	135.21	11.45
		For Work In Restricted Working Space, Add	*6.88*	
23 05 29 00-0699	EA	1" Diameter x 8" Length Shank, Welded Eye Rod	101.49	10.75
		For Work In Restricted Working Space, Add	*6.42*	
23 05 29 00-0700	EA	1" Diameter x 10" Length Shank, Welded Eye Rod	104.91	10.85
		For Work In Restricted Working Space, Add	*6.51*	
23 05 29 00-0701	EA	1" Diameter x 12" Length Shank, Welded Eye Rod	108.34	10.95
		For Work In Restricted Working Space, Add	*6.59*	
23 05 29 00-0702	EA	1" Diameter x 14" Length Shank, Welded Eye Rod	111.75	11.15
		For Work In Restricted Working Space, Add	*6.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0703	EA	1" Diameter x 18" Length Shank, Welded Eye Rod	118.57	11.45
		For Work In Restricted Working Space, Add	*6.84*	
23 05 29 00-0704	EA	1" Diameter x 24" Length Shank, Welded Eye Rod	128.86	11.86
		For Work In Restricted Working Space, Add	*7.10*	
23 05 29 00-0705	EA	1" Diameter x 30" Length Shank, Welded Eye Rod	139.14	12.27
		For Work In Restricted Working Space, Add	*7.35*	
23 05 29 00-0706	EA	1" Diameter x 36" Length Shank, Welded Eye Rod	150.15	12.67
		For Work In Restricted Working Space, Add	*7.61*	
23 05 29 00-0707	EA	1" Diameter x 42" Length Shank, Welded Eye Rod	160.42	13.08
		For Work In Restricted Working Space, Add	*7.86*	
23 05 29 00-0708	EA	1" Diameter x 48" Length Shank, Welded Eye Rod	170.71	13.48
		For Work In Restricted Working Space, Add	*8.11*	

23 05 29 00-0709 Welded Linked Eye Rod (Cooper B-Line B3211X) *(23 05 29 00-0593)*

23 05 29 00-0710	EA	3/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	63.50	7.40
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0711	EA	3/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	65.21	7.60
		For Work In Restricted Working Space, Add	*4.58*	
23 05 29 00-0712	EA	3/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	66.92	7.90
		For Work In Restricted Working Space, Add	*4.71*	
23 05 29 00-0713	EA	3/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	67.56	8.20
		For Work In Restricted Working Space, Add	*4.91*	
23 05 29 00-0714	EA	3/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	70.78	8.52
		For Work In Restricted Working Space, Add	*5.09*	
23 05 29 00-0715	EA	3/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	74.71	9.12
		For Work In Restricted Working Space, Add	*5.47*	
23 05 29 00-0716	EA	3/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	77.26	9.73
		For Work In Restricted Working Space, Add	*5.85*	
23 05 29 00-0717	EA	3/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	82.47	10.44
		For Work In Restricted Working Space, Add	*6.23*	
23 05 29 00-0718	EA	1/2" Diameter x 16" Length Shank, Linked Welded Eye Rod	83.01	8.21
		For Work In Restricted Working Space, Add	*4.93*	
23 05 29 00-0719	EA	1/2" Diameter x 20" Length Shank, Linked Welded Eye Rod	84.75	8.42
		For Work In Restricted Working Space, Add	*5.06*	
23 05 29 00-0720	EA	1/2" Diameter x 24" Length Shank, Linked Welded Eye Rod	86.55	8.62
		For Work In Restricted Working Space, Add	*5.20*	
23 05 29 00-0721	EA	1/2" Diameter x 30" Length Shank, Linked Welded Eye Rod	88.53	9.02
		For Work In Restricted Working Space, Add	*5.40*	
23 05 29 00-0722	EA	1/2" Diameter x 36" Length Shank, Linked Welded Eye Rod	91.79	9.33
		For Work In Restricted Working Space, Add	*5.60*	
23 05 29 00-0723	EA	1/2" Diameter x 48" Length Shank, Linked Welded Eye Rod	98.39	10.03
		For Work In Restricted Working Space, Add	*6.01*	
23 05 29 00-0724	EA	1/2" Diameter x 60" Length Shank, Linked Welded Eye Rod	103.68	10.65
		For Work In Restricted Working Space, Add	*6.41*	
23 05 29 00-0725	EA	1/2" Diameter x 72" Length Shank, Linked Welded Eye Rod	110.26	11.35
		For Work In Restricted Working Space, Add	*6.82*	
23 05 29 00-0726	EA	5/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	112.35	9.13
		For Work In Restricted Working Space, Add	*5.50*	
23 05 29 00-0727	EA	5/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	115.40	9.43
		For Work In Restricted Working Space, Add	*5.64*	
23 05 29 00-0728	EA	5/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	118.52	9.63
		For Work In Restricted Working Space, Add	*5.78*	
23 05 29 00-0729	EA	5/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	120.53	10.03
		For Work In Restricted Working Space, Add	*5.99*	
23 05 29 00-0730	EA	5/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	125.15	10.35
		For Work In Restricted Working Space, Add	*6.20*	
23 05 29 00-0731	EA	5/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	133.09	11.05
		For Work In Restricted Working Space, Add	*6.62*	
23 05 29 00-0732	EA	5/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	141.02	11.76
		For Work In Restricted Working Space, Add	*7.04*	
23 05 29 00-0733	EA	5/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	147.66	12.47
		For Work In Restricted Working Space, Add	*7.46*	
23 05 29 00-0734	EA	3/4" Diameter x 16" Length Shank, Linked Welded Eye Rod	142.87	10.35
		For Work In Restricted Working Space, Add	*6.23*	
23 05 29 00-0735	EA	3/4" Diameter x 20" Length Shank, Linked Welded Eye Rod	147.34	10.65
		For Work In Restricted Working Space, Add	*6.38*	
23 05 29 00-0736	EA	3/4" Diameter x 24" Length Shank, Linked Welded Eye Rod	150.40	10.85
		For Work In Restricted Working Space, Add	*6.52*	
23 05 29 00-0737	EA	3/4" Diameter x 30" Length Shank, Linked Welded Eye Rod	155.04	11.25
		For Work In Restricted Working Space, Add	*6.74*	
23 05 29 00-0738	EA	3/4" Diameter x 36" Length Shank, Linked Welded Eye Rod	162.31	11.56
		For Work In Restricted Working Space, Add	*6.95*	
23 05 29 00-0739	EA	3/4" Diameter x 48" Length Shank, Linked Welded Eye Rod	172.87	12.27
		For Work In Restricted Working Space, Add	*7.38*	
23 05 29 00-0740	EA	3/4" Diameter x 60" Length Shank, Linked Welded Eye Rod	183.48	12.98
		For Work In Restricted Working Space, Add	*7.82*	
23 05 29 00-0741	EA	3/4" Diameter x 72" Length Shank, Linked Welded Eye Rod	195.41	13.79
		For Work In Restricted Working Space, Add	*8.25*	
23 05 29 00-0742	EA	7/8" Diameter x 16" Length Shank, Linked Welded Eye Rod	171.94	11.97
		For Work In Restricted Working Space, Add	*7.20*	
23 05 29 00-0743	EA	7/8" Diameter x 20" Length Shank, Linked Welded Eye Rod	177.68	12.27
		For Work In Restricted Working Space, Add	*7.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0744	EA	7/8" Diameter x 24" Length Shank, Linked Welded Eye Rod	182.12	12.47
		For Work In Restricted Working Space, Add	*7.51*	
23 05 29 00-0745	EA	7/8" Diameter x 30" Length Shank, Linked Welded Eye Rod	186.78	12.88
		For Work In Restricted Working Space, Add	*7.73*	
23 05 29 00-0746	EA	7/8" Diameter x 36" Length Shank, Linked Welded Eye Rod	195.42	13.28
		For Work In Restricted Working Space, Add	*7.96*	
23 05 29 00-0747	EA	7/8" Diameter x 48" Length Shank, Linked Welded Eye Rod	209.98	14.00
		For Work In Restricted Working Space, Add	*8.40*	
23 05 29 00-0748	EA	7/8" Diameter x 60" Length Shank, Linked Welded Eye Rod	223.24	14.80
		For Work In Restricted Working Space, Add	*8.85*	
23 05 29 00-0749	EA	7/8" Diameter x 72" Length Shank, Linked Welded Eye Rod	237.83	15.51
		For Work In Restricted Working Space, Add	*9.31*	
23 05 29 00-0750	EA	1" Diameter x 16" Length Shank, Linked Welded Eye Rod	219.70	14.30
		For Work In Restricted Working Space, Add	*8.59*	
23 05 29 00-0751	EA	1" Diameter x 20" Length Shank, Linked Welded Eye Rod	225.50	14.60
		For Work In Restricted Working Space, Add	*8.75*	
23 05 29 00-0752	EA	1" Diameter x 24" Length Shank, Linked Welded Eye Rod	231.30	14.90
		For Work In Restricted Working Space, Add	*8.92*	
23 05 29 00-0753	EA	1" Diameter x 30" Length Shank, Linked Welded Eye Rod	237.39	15.31
		For Work In Restricted Working Space, Add	*9.18*	
23 05 29 00-0754	EA	1" Diameter x 36" Length Shank, Linked Welded Eye Rod	248.65	15.72
		For Work In Restricted Working Space, Add	*9.43*	
23 05 29 00-0755	EA	1" Diameter x 48" Length Shank, Linked Welded Eye Rod	266.07	16.53
		For Work In Restricted Working Space, Add	*9.94*	
23 05 29 00-0756	EA	1" Diameter x 60" Length Shank, Linked Welded Eye Rod	283.50	17.44
		For Work In Restricted Working Space, Add	*10.45*	
23 05 29 00-0757	EA	1" Diameter x 72" Length Shank, Linked Welded Eye Rod	302.11	18.25
		For Work In Restricted Working Space, Add	*10.95*	

23 05 29 00-0758 Attachments *(23 05 29 00-0592)*

23 05 29 00-0759 Welded Beam Attachments (B-Line B-3083) *(23 05 29 00-0758)*

Note: Type 22.

23 05 29 00-0760	EA	3/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	41.79	9.47
		For Work In Restricted Working Space, Add	*5.68*	
23 05 29 00-0761	EA	1/2" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	44.59	9.94
		For Work In Restricted Working Space, Add	*5.98*	
23 05 29 00-0762	EA	5/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	47.48	10.50
		For Work In Restricted Working Space, Add	*6.31*	
23 05 29 00-0763	EA	3/4" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	60.57	11.17
		For Work In Restricted Working Space, Add	*6.68*	
23 05 29 00-0764	EA	7/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	72.67	11.83
		For Work In Restricted Working Space, Add	*7.10*	
23 05 29 00-0765	EA	1" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	101.86	13.54
		For Work In Restricted Working Space, Add	*8.12*	
23 05 29 00-0766	EA	1-1/8" Rod Size, Welded Beam Attachment With Pin (B-Line B-3083)	144.22	14.20
		For Work In Restricted Working Space, Add	*8.52*	

23 05 29 00-0767 C-Clamp Style Beam Clamps (B-Line B-3034) *(23 05 29 00-0758)*

Note: Type 23. Top or bottom flange mount.

23 05 29 00-0768	EA	3/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	15.47	5.17
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0769	EA	1/2" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	18.36	6.59
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0770	EA	5/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	20.78	7.10
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0771	EA	3/4" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	26.52	7.60
		For Work In Restricted Working Space, Add	*4.68*	
23 05 29 00-0772	EA	7/8" Rod Size, C-Clamp Style Beam Clamp (B-Line B-3034)	38.12	8.11
		For Work In Restricted Working Space, Add	*5.07*	

23 05 29 00-0773 Bottom Mount I-Beam Clamps (B-Line B-3055) *(23 05 29 00-0758)*

Note: Type 21. For attaching threaded rod centered under beam flanges.

23 05 29 00-0774	EA	3/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	41.44	7.10
		For Work In Restricted Working Space, Add	*5.07*	
23 05 29 00-0775	EA	1/2" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	60.51	9.13
		For Work In Restricted Working Space, Add	*5.53*	
23 05 29 00-0776	EA	5/8" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	86.07	10.14
		For Work In Restricted Working Space, Add	*6.08*	
23 05 29 00-0777	EA	3/4" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	102.91	11.15
		For Work In Restricted Working Space, Add	*6.76*	
23 05 29 00-0778	EA	1" Rod Size, Up To 6" Flange Width, Bottom Mount I-Beam Clamp (B-Line B-3055)	247.26	12.17
		For Work In Restricted Working Space, Add	*7.61*	

23 05 29 00-0779 Steel U-Bolts (B-Line B-3188) *(23 05 29 00-0758)*

Note: Type 24. Includes plate and nuts.

23 05 29 00-0780	EA	1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	12.60	2.53
		For Work In Restricted Working Space, Add	*3.04*	
23 05 29 00-0781	EA	3/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	13.64	3.04
		For Work In Restricted Working Space, Add	*3.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0782	EA	1" Pipe Size, Steel U-Bolt (B-Line B-3188)	14.67	3.04
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0783	EA	1-1/4" Pipe Size, Steel U-Bolt (B-Line B-3188)	16.62	3.04
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0784	EA	1-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	17.19	3.55
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0785	EA	2" Pipe Size, Steel U-Bolt (B-Line B-3188)	18.40	3.55
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0786	EA	2-1/2" Pipe Size, Steel U-Bolt (B-Line B-3188)	26.16	3.55
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0787	EA	3" Pipe Size, Steel U-Bolt (B-Line B-3188)	28.83	4.05
		For Work In Restricted Working Space, Add	*4.68*	
23 05 29 00-0788	EA	4" Pipe Size, Steel U-Bolt (B-Line B-3188)	34.70	4.56
		For Work In Restricted Working Space, Add	*5.07*	

23 05 29 00-0789 Copper Standoff Brackets With Flange *(23 05 29 00-0758)*

Note: Installed in wood, concrete, concrete block or steel.

23 05 29 00-0790	EA	Clamp Size 1/2", Copper Standoff Brackets With Flange	31.20	14.50
		For Work In Restricted Working Space, Add	*8.69*	
23 05 29 00-0791	EA	Clamp Size 3/4", Copper Standoff Brackets With Flange	31.33	14.50
		For Work In Restricted Working Space, Add	*8.69*	
23 05 29 00-0792	EA	Clamp Size 1", Copper Standoff Brackets With Flange	31.47	14.50
		For Work In Restricted Working Space, Add	*8.69*	
23 05 29 00-0793	EA	Clamp Size 1 1/4", Copper Standoff Brackets With Flange	33.49	15.41
		For Work In Restricted Working Space, Add	*9.22*	
23 05 29 00-0794	EA	Clamp Size 1 1/2", Copper Standoff Brackets With Flange	33.76	15.41
		For Work In Restricted Working Space, Add	*9.22*	

23 05 29 00-0795 Malleable Iron Eye Sockets (B-Line B-3222) *(23 05 29 00-0758)*

Note: Type 16.

23 05 29 00-0796	EA	3/8" Rod Size, Malleable Iron Eye Socket	9.27	1.52
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0797	EA	1/2" Rod Size, Malleable Iron Eye Socket	11.82	2.03
		For Work In Restricted Working Space, Add	*1.22*	
23 05 29 00-0798	EA	5/8" Rod Size, Malleable Iron Eye Socket	20.03	2.03
		For Work In Restricted Working Space, Add	*1.23*	
23 05 29 00-0799	EA	3/4" Rod Size, Malleable Iron Eye Socket	28.08	2.03
		For Work In Restricted Working Space, Add	*1.22*	
23 05 29 00-0800	EA	7/8" Rod Size, Malleable Iron Eye Socket	30.39	2.53
		For Work In Restricted Working Space, Add	*1.52*	

23 05 29 00-0801 Steel Weldless Eye Nuts (B-Line B-3200) *(23 05 29 00-0758)*

Note: Type 17.

23 05 29 00-0802	EA	3/8" Rod Size, Steel Weldless Eye Nut	29.52	1.52
		For Work In Restricted Working Space, Add	*0.92*	
23 05 29 00-0803	EA	1/2" Rod Size, Steel Weldless Eye Nut	30.49	2.03
		For Work In Restricted Working Space, Add	*1.22*	
23 05 29 00-0804	EA	5/8" Rod Size, Steel Weldless Eye Nut	30.53	2.03
		For Work In Restricted Working Space, Add	*1.23*	
23 05 29 00-0805	EA	3/4" Rod Size, Steel Weldless Eye Nut	30.49	2.03
		For Work In Restricted Working Space, Add	*1.22*	
23 05 29 00-0806	EA	7/8" Rod Size, Steel Weldless Eye Nut	59.12	2.23
		For Work In Restricted Working Space, Add	*1.37*	
23 05 29 00-0807	EA	1" Rod Size, Steel Weldless Eye Nut	59.63	2.53
		For Work In Restricted Working Space, Add	*1.52*	

23 05 29 00-0808 Top Mount I-Beam Clamps (B-Line B-3042) *(23 05 29 00-0758)*

Note: For attaching threaded rod to either side of an I-beam.

23 05 29 00-0809	EA	3/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	20.70	4.73
		For Work In Restricted Working Space, Add	*2.84*	
23 05 29 00-0810	EA	1/2" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	24.81	5.21
		For Work In Restricted Working Space, Add	*3.13*	
23 05 29 00-0811	EA	5/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	29.95	5.68
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0812	EA	3/4" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	40.82	6.16
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0813	EA	7/8" Rod Size, Up To 6" Flange Width, Top Mount I-Beam Clamp	62.25	7.10
		For Work In Restricted Working Space, Add	*4.26*	
23 05 29 00-0814	EA	3/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	21.74	4.73
		For Work In Restricted Working Space, Add	*2.84*	
23 05 29 00-0815	EA	1/2" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	26.28	5.21
		For Work In Restricted Working Space, Add	*3.13*	
23 05 29 00-0816	EA	5/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	29.95	5.68
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0817	EA	3/4" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	44.69	6.16
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0818	EA	7/8" Rod Size, >6" To 8" Flange Width, Top Mount I-Beam Clamp	68.87	7.10
		For Work In Restricted Working Space, Add	*4.26*	
23 05 29 00-0819	EA	3/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	24.16	4.73
		For Work In Restricted Working Space, Add	*2.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0820	EA	1/2" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	29.00	5.21
		For Work In Restricted Working Space, Add	*3.13*	
23 05 29 00-0821	EA	5/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	36.34	5.68
		For Work In Restricted Working Space, Add	*3.44*	
23 05 29 00-0822	EA	3/4" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	51.94	6.16
		For Work In Restricted Working Space, Add	*3.62*	
23 05 29 00-0823	EA	7/8" Rod Size, >8" To 12" Flange Width, Top Mount I-Beam Clamp	83.03	7.10
		For Work In Restricted Working Space, Add	*4.26*	

23 05 29 00-0824 Side Beam Brackets (B-Line B-3062) *(23 05 29 00-0758)*

Note: Type 34.

23 05 29 00-0825	EA	3/8" Rod Size, Side Beam Bracket	17.19	6.59
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0826	EA	1/2" Rod Size, Side Beam Bracket	20.23	6.59
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0827	EA	5/8" Rod Size, Side Beam Bracket	25.92	7.10
		For Work In Restricted Working Space, Add	*4.34*	
23 05 29 00-0828	EA	3/4" Rod Size, Side Beam Bracket	45.19	7.60
		For Work In Restricted Working Space, Add	*4.68*	
23 05 29 00-0829	EA	7/8" Rod Size, Side Beam Bracket	52.79	8.62
		For Work In Restricted Working Space, Add	*5.07*	

23 05 29 00-0830 Hex Lag Bolts *(23 05 29 00-0758)*

Note: Also known as coach screws.

23 05 29 00-0831	EA	3/8" x 3-1/2" Long, Hex Lag Bolt	2.79	
		For Work In Restricted Working Space, Add	*0.63*	
23 05 29 00-0832	EA	3/8" x 4" Long, Hex Lag Bolt	2.93	
		For Work In Restricted Working Space, Add	*0.66*	
23 05 29 00-0833	EA	3/8" x 6" Long, Hex Lag Bolt	3.33	
		For Work In Restricted Working Space, Add	*0.68*	
23 05 29 00-0834	EA	3/8" x 8" Long, Hex Lag Bolt	4.09	
		For Work In Restricted Working Space, Add	*0.71*	
23 05 29 00-0835	EA	3/8" x 10" Long, Hex Lag Bolt	4.37	
		For Work In Restricted Working Space, Add	*0.73*	
23 05 29 00-0836	EA	3/8" x 12" Long, Hex Lag Bolt	5.28	
		For Work In Restricted Working Space, Add	*0.76*	
23 05 29 00-0837	EA	1/2" x 3-1/2" Long, Hex Lag Bolt	3.85	
		For Work In Restricted Working Space, Add	*0.76*	
23 05 29 00-0838	EA	1/2" x 4" Long, Hex Lag Bolt	4.07	
		For Work In Restricted Working Space, Add	*0.79*	
23 05 29 00-0839	EA	1/2" x 6" Long, Hex Lag Bolt	4.79	
		For Work In Restricted Working Space, Add	*0.83*	
23 05 29 00-0840	EA	1/2" x 8" Long, Hex Lag Bolt	5.62	
		For Work In Restricted Working Space, Add	*0.86*	
23 05 29 00-0841	EA	1/2" x 10" Long, Hex Lag Bolt	6.70	
		For Work In Restricted Working Space, Add	*0.90*	
23 05 29 00-0842	EA	1/2" x 12" Long, Hex Lag Bolt	7.20	
		For Work In Restricted Working Space, Add	*0.95*	
23 05 29 00-0843	EA	5/8" x 4" Long, Hex Lag Bolt	5.37	
		For Work In Restricted Working Space, Add	*0.84*	
23 05 29 00-0844	EA	3/4" x 5" Long, Hex Lag Bolt	6.33	
		For Work In Restricted Working Space, Add	*0.86*	

23 05 29 00-0845 Hanger Strap *(23 05 29 00-0592)*

23 05 29 00-0846	LF	3/4" Wide x 0.025" Thick Galvanized Hanger Strap	4.85	

23 05 29 00-0847 Shields And Saddles *(23 05 29)*

23 05 29 00-0848 Insulation Protection Shield *(23 05 29 00-0847)*

Note: Type 40.

23 05 29 00-0849 Insulation Protection Shield (Cooper B-Line B3151) *(23 05 29 00-0848)*

23 05 29 00-0850	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.18	2.43
		For Work In Restricted Working Space, Add	*2.43*	
23 05 29 00-0851	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.43	2.46
		For Work In Restricted Working Space, Add	*2.46*	
23 05 29 00-0852	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	16.88	2.49
		For Work In Restricted Working Space, Add	*2.50*	
23 05 29 00-0853	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	17.75	2.52
		For Work In Restricted Working Space, Add	*2.53*	
23 05 29 00-0854	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	19.85	2.58
		For Work In Restricted Working Space, Add	*2.59*	
23 05 29 00-0855	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3151)	24.76	2.64
		For Work In Restricted Working Space, Add	*2.65*	
23 05 29 00-0856	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	29.18	2.70
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0857	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 18" Length (Cooper B-Line B3151)	36.25	2.77
		For Work In Restricted Working Space, Add	*2.77*	
23 05 29 00-0858	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	47.33	2.80
		For Work In Restricted Working Space, Add	*2.80*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0859	EA	14" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	51.78	2.83
		For Work In Restricted Working Space, Add	*2.83*	
23 05 29 00-0860	EA	16" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	72.36	2.86
		For Work In Restricted Working Space, Add	*2.86*	
23 05 29 00-0861	EA	18" Outside Diameter, 14 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	81.63	2.89
		For Work In Restricted Working Space, Add	*2.89*	
23 05 29 00-0862	EA	20" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	153.99	2.92
		For Work In Restricted Working Space, Add	*2.92*	
23 05 29 00-0863	EA	24" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	167.59	2.98
		For Work In Restricted Working Space, Add	*2.98*	
23 05 29 00-0864	EA	30" Outside Diameter, 12 Gauge Insulation Protection Shield, 24" Length (Cooper B-Line B3151)	203.15	3.05
		For Work In Restricted Working Space, Add	*3.04*	

23 05 29 00-0865 Insulation Protection Shield (Cooper B-Line B3154) *(23 05 29 00-0848)*

23 05 29 00-0866	EA	1-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	13.97	2.43
		For Work In Restricted Working Space, Add	*2.43*	
23 05 29 00-0867	EA	2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.17	2.46
		For Work In Restricted Working Space, Add	*2.46*	
23 05 29 00-0868	EA	2-1/2" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	14.52	2.49
		For Work In Restricted Working Space, Add	*2.50*	
23 05 29 00-0869	EA	3" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	15.19	2.52
		For Work In Restricted Working Space, Add	*2.53*	
23 05 29 00-0870	EA	4" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	16.77	2.58
		For Work In Restricted Working Space, Add	*2.59*	
23 05 29 00-0871	EA	6" Outside Diameter, 18 Gauge Insulation Protection Shield, 8" Length (Cooper B-Line B3154)	20.38	2.64
		For Work In Restricted Working Space, Add	*2.65*	
23 05 29 00-0872	EA	8" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	22.04	2.70
		For Work In Restricted Working Space, Add	*2.71*	
23 05 29 00-0873	EA	10" Outside Diameter, 16 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	28.82	2.77
		For Work In Restricted Working Space, Add	*2.77*	
23 05 29 00-0874	EA	12" Outside Diameter, 14 Gauge Insulation Protection Shield, 12" Length (Cooper B-Line B3154)	35.13	2.80
		For Work In Restricted Working Space, Add	*2.80*	

23 05 29 00-0875 Pipe Covering Protection Saddle *(23 05 29 00-0847)*

Note: Sizes are pipe sizes.

23 05 29 00-0876 Saddle, For 1" Insulation (Cooper B-Line B3160) *(23 05 29 00-0875)*

23 05 29 00-0877	EA	3/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.28	3.35
		For Work In Restricted Working Space, Add	*3.35*	
23 05 29 00-0878	EA	1" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.37	3.38
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0879	EA	1-1/4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	25.47	3.41
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-0880	EA	1-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.85	3.47
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0881	EA	2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	26.94	3.50
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0882	EA	2-1/2" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	27.90	3.55
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0883	EA	3" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	31.42	3.61
		For Work In Restricted Working Space, Add	*3.61*	
23 05 29 00-0884	EA	4" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	35.72	3.66
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0885	EA	6" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	40.56	3.77
		For Work In Restricted Working Space, Add	*3.78*	
23 05 29 00-0886	EA	8" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	50.16	3.92
		For Work In Restricted Working Space, Add	*3.92*	
23 05 29 00-0887	EA	10" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	56.54	3.98
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0888	EA	12" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	67.77	3.98
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0889	EA	14" Pipe Saddle, For 1" Insulation (Cooper B-Line B3160)	74.36	4.12
		For Work In Restricted Working Space, Add	*4.12*	

23 05 29 00-0890 Saddle, For 1-1/2" Insulation (Cooper B-Line B3161) *(23 05 29 00-0875)*

23 05 29 00-0891	EA	3/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.03	3.35
		For Work In Restricted Working Space, Add	*3.35*	
23 05 29 00-0892	EA	1" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.12	3.38
		For Work In Restricted Working Space, Add	*3.38*	
23 05 29 00-0893	EA	1-1/4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	29.22	3.41
		For Work In Restricted Working Space, Add	*3.41*	
23 05 29 00-0894	EA	1-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	30.36	3.47
		For Work In Restricted Working Space, Add	*3.47*	
23 05 29 00-0895	EA	2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	33.05	3.50
		For Work In Restricted Working Space, Add	*3.49*	
23 05 29 00-0896	EA	2-1/2" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	35.85	3.55
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0897	EA	3" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	36.46	3.61
		For Work In Restricted Working Space, Add	*3.61*	
23 05 29 00-0898	EA	4" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	41.92	3.61
		For Work In Restricted Working Space, Add	*3.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0899	EA	6" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	47.58	3.77
		For Work In Restricted Working Space, Add	*3.78*	
23 05 29 00-0900	EA	8" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	57.04	3.92
		For Work In Restricted Working Space, Add	*3.92*	
23 05 29 00-0901	EA	10" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	64.68	3.98
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0902	EA	12" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	77.81	4.06
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0903	EA	14" Pipe Saddle, For 1-1/2" Insulation (Cooper B-Line B3161)	85.63	4.12
		For Work In Restricted Working Space, Add	*4.12*	

23 05 29 00-0904 Saddle, For 2" Insulation (Cooper B-Line B3162) *(23 05 29 00-0875)*

23 05 29 00-0905	EA	3/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.15	3.52
		For Work In Restricted Working Space, Add	*3.52*	
23 05 29 00-0906	EA	1" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	31.24	3.55
		For Work In Restricted Working Space, Add	*3.55*	
23 05 29 00-0907	EA	1-1/4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	33.10	3.58
		For Work In Restricted Working Space, Add	*3.58*	
23 05 29 00-0908	EA	1-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	34.17	3.63
		For Work In Restricted Working Space, Add	*3.64*	
23 05 29 00-0909	EA	2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.14	3.66
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0910	EA	2-1/2" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	35.34	3.73
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-0911	EA	3" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	37.53	3.78
		For Work In Restricted Working Space, Add	*3.78*	
23 05 29 00-0912	EA	4" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	39.74	3.85
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0913	EA	6" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	51.84	3.97
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0914	EA	8" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	59.27	4.12
		For Work In Restricted Working Space, Add	*4.12*	
23 05 29 00-0915	EA	10" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	62.42	4.17
		For Work In Restricted Working Space, Add	*4.18*	
23 05 29 00-0916	EA	12" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	85.99	4.26
		For Work In Restricted Working Space, Add	*4.26*	
23 05 29 00-0917	EA	14" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	95.74	4.33
		For Work In Restricted Working Space, Add	*4.32*	
23 05 29 00-0918	EA	16" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	105.69	4.43
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0919	EA	18" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	115.63	4.54
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0920	EA	20" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	127.23	4.65
		For Work In Restricted Working Space, Add	*4.66*	
23 05 29 00-0921	EA	24" Pipe Saddle, For 2" Insulation (Cooper B-Line B3162)	146.43	4.77
		For Work In Restricted Working Space, Add	*4.77*	

23 05 29 00-0922 Saddle, For 2-1/2" Insulation (Cooper B-Line B3163) *(23 05 29 00-0875)*

23 05 29 00-0923	EA	1-1/4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	35.26	3.66
		For Work In Restricted Working Space, Add	*3.66*	
23 05 29 00-0924	EA	1-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	37.43	3.72
		For Work In Restricted Working Space, Add	*3.72*	
23 05 29 00-0925	EA	2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	38.51	3.75
		For Work In Restricted Working Space, Add	*3.75*	
23 05 29 00-0926	EA	2-1/2" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	39.67	3.81
		For Work In Restricted Working Space, Add	*3.80*	
23 05 29 00-0927	EA	3" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	39.96	3.88
		For Work In Restricted Working Space, Add	*3.89*	
23 05 29 00-0928	EA	4" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	47.22	3.94
		For Work In Restricted Working Space, Add	*3.95*	
23 05 29 00-0929	EA	6" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	54.68	4.06
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0930	EA	8" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	64.39	4.21
		For Work In Restricted Working Space, Add	*4.20*	
23 05 29 00-0931	EA	10" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	69.31	4.28
		For Work In Restricted Working Space, Add	*4.29*	
23 05 29 00-0932	EA	12" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	88.20	4.37
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0933	EA	14" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	105.77	4.43
		For Work In Restricted Working Space, Add	*4.43*	
23 05 29 00-0934	EA	16" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	123.52	4.53
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0935	EA	18" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	131.45	4.64
		For Work In Restricted Working Space, Add	*4.66*	
23 05 29 00-0936	EA	20" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	140.28	4.77
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0937	EA	24" Pipe Saddle, For 2-1/2" Insulation (Cooper B-Line B3163)	149.12	4.89
		For Work In Restricted Working Space, Add	*4.88*	

23 05 29 00-0938 Saddle, For 3" Insulation (Cooper B-Line B3164) *(23 05 29 00-0875)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0939	EA	2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	39.89	3.85
		For Work In Restricted Working Space, Add	*3.83*	
23 05 29 00-0940	EA	2-1/2" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	43.90	3.91
		For Work In Restricted Working Space, Add	*3.92*	
23 05 29 00-0941	EA	3" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	45.97	3.97
		For Work In Restricted Working Space, Add	*3.98*	
23 05 29 00-0942	EA	4" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	48.01	4.03
		For Work In Restricted Working Space, Add	*4.03*	
23 05 29 00-0943	EA	6" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	55.85	4.15
		For Work In Restricted Working Space, Add	*4.15*	
23 05 29 00-0944	EA	8" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	71.35	4.31
		For Work In Restricted Working Space, Add	*4.32*	
23 05 29 00-0945	EA	10" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	77.76	4.38
		For Work In Restricted Working Space, Add	*4.37*	
23 05 29 00-0946	EA	12" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	103.04	4.47
		For Work In Restricted Working Space, Add	*4.46*	
23 05 29 00-0947	EA	14" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	124.20	4.53
		For Work In Restricted Working Space, Add	*4.55*	
23 05 29 00-0948	EA	16" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	145.35	4.64
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0949	EA	18" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	148.06	4.77
		For Work In Restricted Working Space, Add	*4.77*	
23 05 29 00-0950	EA	20" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	150.69	4.88
		For Work In Restricted Working Space, Add	*4.88*	
23 05 29 00-0951	EA	24" Pipe Saddle, For 3" Insulation (Cooper B-Line B3164)	193.08	5.00
		For Work In Restricted Working Space, Add	*5.00*	

23 05 29 00-0952 Saddle, For 4" Insulation (Cooper B-Line B3165) *(23 05 29 00-0875)*

23 05 29 00-0953	EA	2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	45.59	3.93
		For Work In Restricted Working Space, Add	*3.92*	
23 05 29 00-0954	EA	2-1/2" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	50.35	4.00
		For Work In Restricted Working Space, Add	*4.01*	
23 05 29 00-0955	EA	3" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	52.78	4.06
		For Work In Restricted Working Space, Add	*4.06*	
23 05 29 00-0956	EA	4" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	55.33	4.12
		For Work In Restricted Working Space, Add	*4.12*	
23 05 29 00-0957	EA	6" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	68.69	4.25
		For Work In Restricted Working Space, Add	*4.26*	
23 05 29 00-0958	EA	8" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	82.06	4.41
		For Work In Restricted Working Space, Add	*4.40*	
23 05 29 00-0959	EA	10" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	84.91	4.48
		For Work In Restricted Working Space, Add	*4.49*	
23 05 29 00-0960	EA	12" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	110.35	4.57
		For Work In Restricted Working Space, Add	*4.57*	
23 05 29 00-0961	EA	14" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	135.39	4.63
		For Work In Restricted Working Space, Add	*4.63*	
23 05 29 00-0962	EA	16" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	160.61	4.76
		For Work In Restricted Working Space, Add	*4.74*	
23 05 29 00-0963	EA	18" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	197.90	4.87
		For Work In Restricted Working Space, Add	*4.86*	
23 05 29 00-0964	EA	20" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	234.96	4.99
		For Work In Restricted Working Space, Add	*5.00*	
23 05 29 00-0965	EA	24" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	251.72	5.11
		For Work In Restricted Working Space, Add	*5.11*	
23 05 29 00-0966	EA	30" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	265.11	5.25
		For Work In Restricted Working Space, Add	*5.25*	
23 05 29 00-0967	EA	36" Pipe Saddle, For 4" Insulation (Cooper B-Line B3165)	275.00	5.38
		For Work In Restricted Working Space, Add	*5.37*	

23 05 29 00-0968 Adjustable Pipe Saddle Support (Cooper B-Line B3096) *(23 05 29 00-0847)*

23 05 29 00-0969	EA	2" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	104.63	12.67
23 05 29 00-0970	EA	3" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	110.10	14.70
23 05 29 00-0971	EA	4" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	134.33	16.73
23 05 29 00-0972	EA	5" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	139.60	18.25
23 05 29 00-0973	EA	6" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	154.88	20.28
23 05 29 00-0974	EA	8" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	174.39	25.35
23 05 29 00-0975	EA	10" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	227.57	33.97
23 05 29 00-0976	EA	12" Adjustable Pipe Saddle Support (Cooper B-Line B3096)	274.62	50.70

23 05 29 00-0977 Pipe Stanchion Support (Cooper B-Line B3090) *(23 05 29 00-0847)*

23 05 29 00-0978	EA	2-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	131.72	12.67
23 05 29 00-0979	EA	3" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	135.34	14.70
23 05 29 00-0980	EA	3-1/2" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	144.87	15.72
23 05 29 00-0981	EA	4" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	147.24	16.73
23 05 29 00-0982	EA	5" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	154.44	18.25
23 05 29 00-0983	EA	6" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	163.05	20.28
23 05 29 00-0984	EA	8" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	207.35	25.35
23 05 29 00-0985	EA	10" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	280.02	33.97
23 05 29 00-0986	EA	12" Pipe Stanchion Support With U-Bolt (Cooper B-Line B3090)	361.46	50.70

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-0987		**Pipe Saddle Support (Cooper B-Line B3095)** *(23 05 29 00-0847)*		
23 05 29 00-0988	EA	2-1/2" Pipe Saddle Support (Cooper B-Line B3095)	63.05	12.67
23 05 29 00-0989	EA	3" Pipe Saddle Support (Cooper B-Line B3095)	66.67	14.70
23 05 29 00-0990	EA	3-1/2" Pipe Saddle Support (Cooper B-Line B3095)	105.05	15.72
23 05 29 00-0991	EA	4" Pipe Saddle Support (Cooper B-Line B3095)	107.42	16.73
23 05 29 00-0992	EA	5" Pipe Saddle Support (Cooper B-Line B3095)	118.34	18.25
23 05 29 00-0993	EA	6" Pipe Saddle Support (Cooper B-Line B3095)	131.15	20.28
23 05 29 00-0994	EA	8" Pipe Saddle Support (Cooper B-Line B3095)	148.89	25.35
23 05 29 00-0995	EA	10" Pipe Saddle Support (Cooper B-Line B3095)	170.56	33.97
23 05 29 00-0996	EA	12" Pipe Saddle Support (Cooper B-Line B3095)	209.53	50.70
23 05 29 00-0997		**360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0847)*		
		Note: Insert is for use as isolated protective insulation at hangers.		
23 05 29 00-0998		**1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-0999	EA	1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.39	5.84
23 05 29 00-1000	EA	3/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.66	5.84
23 05 29 00-1001	EA	1" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.73	5.84
23 05 29 00-1002	EA	1-1/4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.00	5.84
23 05 29 00-1003	EA	1-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.97	6.19
23 05 29 00-1004	EA	2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.65	6.38
23 05 29 00-1005	EA	2-1/2" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.45	6.65
23 05 29 00-1006	EA	3" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.32	6.92
23 05 29 00-1007	EA	4" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.89	7.18
23 05 29 00-1008	EA	6" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.39	6.19
23 05 29 00-1009	EA	8" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.72	8.08
23 05 29 00-1010	EA	10" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	37.51	9.52
23 05 29 00-1011	EA	12" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.73	11.05
23 05 29 00-1012	EA	14" Diameter Pipe, 1" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	48.31	11.41
23 05 29 00-1013		**1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-1014	EA	1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	11.63	4.40
23 05 29 00-1015	EA	3/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	12.97	4.40
23 05 29 00-1016	EA	1" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.26	4.49
23 05 29 00-1017	EA	1-1/4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	13.73	4.58
23 05 29 00-1018	EA	1-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.17	4.58
23 05 29 00-1019	EA	2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	14.93	4.76
23 05 29 00-1020	EA	2-1/2" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	15.81	4.94
23 05 29 00-1021	EA	3" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.26	5.03
23 05 29 00-1022	EA	4" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.93	5.48
23 05 29 00-1023	EA	6" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.39	9.43
23 05 29 00-1024	EA	8" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.25	7.09
23 05 29 00-1025	EA	10" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.41	8.35
23 05 29 00-1026	EA	12" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.37	9.61
23 05 29 00-1027	EA	14" Diameter Pipe, 1-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.35	11.58
23 05 29 00-1028		**2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-1029	EA	1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.41	5.03
23 05 29 00-1030	EA	3/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	16.63	5.03
23 05 29 00-1031	EA	1" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.21	5.12
23 05 29 00-1032	EA	1-1/4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	17.73	5.21
23 05 29 00-1033	EA	1-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.27	5.30
23 05 29 00-1034	EA	2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.98	5.48
23 05 29 00-1035	EA	2-1/2" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.01	5.66
23 05 29 00-1036	EA	3" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.98	5.84
23 05 29 00-1037	EA	4" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.16	6.19
23 05 29 00-1038	EA	6" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.50	7.00
23 05 29 00-1039	EA	8" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.94	11.95
23 05 29 00-1040	EA	10" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.62	13.83
23 05 29 00-1041	EA	12" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	51.40	16.34
23 05 29 00-1042	EA	14" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.63	18.32
23 05 29 00-1043	EA	16" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.33	20.66
23 05 29 00-1044	EA	18" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.58	24.25
23 05 29 00-1045	EA	20" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	81.70	26.95
23 05 29 00-1046	EA	24" Diameter Pipe, 2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	92.28	30.54
23 05 29 00-1047		**2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate** *(23 05 29 00-0997)*		
23 05 29 00-1048	EA	1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.79	5.84
23 05 29 00-1049	EA	3/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.03	5.84

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1050	EA	1" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	19.74	5.93
23 05 29 00-1051	EA	1-1/4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.28	6.02
23 05 29 00-1052	EA	1-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	20.83	6.02
23 05 29 00-1053	EA	2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	21.70	6.29
23 05 29 00-1054	EA	2-1/2" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.87	6.47
23 05 29 00-1055	EA	3" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.97	6.74
23 05 29 00-1056	EA	4" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.42	7.09
23 05 29 00-1057	EA	6" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.28	8.08
23 05 29 00-1058	EA	8" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.01	8.98
23 05 29 00-1059	EA	10" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.69	10.33
23 05 29 00-1060	EA	12" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	54.47	12.84
23 05 29 00-1061	EA	14" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.48	14.10
23 05 29 00-1062	EA	16" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	72.70	17.97
23 05 29 00-1063	EA	18" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	78.06	18.87
23 05 29 00-1064	EA	20" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	88.64	21.56
23 05 29 00-1065	EA	24" Diameter Pipe, 2-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	104.42	26.05

23 05 29 00-1066 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*

23 05 29 00-1067	EA	1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	33.45	6.02
23 05 29 00-1068	EA	3/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	39.72	6.29
23 05 29 00-1069	EA	1" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	41.22	6.29
23 05 29 00-1070	EA	1-1/4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	42.20	6.47
23 05 29 00-1071	EA	1-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	43.34	6.65
23 05 29 00-1072	EA	2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	44.63	6.74
23 05 29 00-1073	EA	2-1/2" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	46.96	6.92
23 05 29 00-1074	EA	3" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	49.00	7.36
23 05 29 00-1075	EA	4" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.93	7.64
23 05 29 00-1076	EA	6" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	61.68	9.34
23 05 29 00-1077	EA	8" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	79.29	10.24
23 05 29 00-1078	EA	10" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	94.23	10.78
23 05 29 00-1079	EA	12" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	108.40	13.92
23 05 29 00-1080	EA	14" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	121.92	14.82
23 05 29 00-1081	EA	16" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	146.48	19.76
23 05 29 00-1082	EA	18" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	157.67	21.56
23 05 29 00-1083	EA	20" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	178.51	23.36
23 05 29 00-1084	EA	24" Diameter Pipe, 3" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	209.75	28.74

23 05 29 00-1085 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*

23 05 29 00-1086	EA	1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	18.79	5.84
23 05 29 00-1087	EA	3/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	22.68	7.09
23 05 29 00-1088	EA	1" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	23.72	7.09
23 05 29 00-1089	EA	1-1/4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	24.34	7.18
23 05 29 00-1090	EA	1-1/2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.07	7.27
23 05 29 00-1091	EA	2" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.99	7.55
23 05 29 00-1092	EA	2-1/2" Diameter Pipe, 3-1/2" 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.43	7.82
23 05 29 00-1093	EA	3" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.65	8.08
23 05 29 00-1094	EA	4" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	31.73	8.54
23 05 29 00-1095	EA	6" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	36.33	9.71
23 05 29 00-1096	EA	8" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	47.98	10.78
23 05 29 00-1097	EA	10" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	57.23	12.40
23 05 29 00-1098	EA	12" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	65.36	15.45
23 05 29 00-1099	EA	14" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.79	16.89
23 05 29 00-1100	EA	16" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	87.24	21.56
23 05 29 00-1101	EA	18" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	93.68	22.64
23 05 29 00-1102	EA	20" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	106.41	25.87
23 05 29 00-1103	EA	24" Diameter Pipe, 3-1/2" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	125.31	31.26

23 05 29 00-1104 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate *(23 05 29 00-0997)*

23 05 29 00-1105	EA	1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.32	7.90
23 05 29 00-1106	EA	3/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	25.66	7.90
23 05 29 00-1107	EA	1" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	26.64	7.99
23 05 29 00-1108	EA	1-1/4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	27.43	8.08
23 05 29 00-1109	EA	1-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	28.04	8.08
23 05 29 00-1110	EA	2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	29.58	8.63
23 05 29 00-1111	EA	2-1/2" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	30.84	8.72
23 05 29 00-1112	EA	3" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	32.36	9.07
23 05 29 00-1113	EA	4" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	35.68	9.61
23 05 29 00-1114	EA	6" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	40.86	10.87
23 05 29 00-1115	EA	8" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	53.31	11.76
23 05 29 00-1116	EA	10" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	64.39	14.01
23 05 29 00-1117	EA	12" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	73.55	17.42
23 05 29 00-1118	EA	14" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	83.03	18.96
23 05 29 00-1119	EA	16" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	98.20	24.25
23 05 29 00-1120	EA	18" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	105.34	25.42

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1121	EA	20" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	118.27	29.11
23 05 29 00-1122	EA	24" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	141.00	35.21
23 05 29 00-1123	EA	26" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	160.60	41.41
23 05 29 00-1124	EA	28" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	182.47	48.86
23 05 29 00-1125	EA	30" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	206.08	57.76
23 05 29 00-1126	EA	42" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	293.72	89.20
23 05 29 00-1127	EA	44" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	316.03	98.18
23 05 29 00-1128	EA	46" Diameter Pipe, 4" Thick 360 Degree Thermal Hanger Shield, Pre-Insulated With Calcium Silicate	336.50	105.99

23 05 29 00-1129 Equipment Housekeeping Pads *(23 05 29)*

See CSI section 03 31 13 00-0091 for Concrete Equipment Pads.

23 05 29 00-1130 Molded Plastic Condenser Pad *(23 05 29 00-1129)*

23 05 29 00-1131	EA	30" Round Molded Plastic Pad	77.29	12.67
23 05 29 00-1132	EA	30" Octagon Molded Plastic Pad	80.71	12.67
23 05 29 00-1133	EA	30" x 30" Molded Plastic Pad	77.29	12.67
23 05 29 00-1134	EA	36" x 36" Molded Plastic Pad	97.77	12.67
23 05 29 00-1135	EA	36" x 48" Molded Plastic Pad	136.08	12.67

23 05 29 00-1136 Inertia Base *(23 05 29 00-1129)*

Note: Includes spring isolators.

23 05 29 00-1137	EA	Up To 12 SF Inertia Base, 8" Thick With Spring Base	1,127.29	
23 05 29 00-1138	EA	>12 To 16 SF Inertia Base, 8" Thick With Spring Base	1,359.68	
23 05 29 00-1139	EA	>16 To 20 SF Inertia Base, 8" Thick With Spring Base	1,557.25	
23 05 29 00-1140	EA	>20 To 24 SF Inertia Base, 8" Thick With Spring Base	1,778.04	

23 05 29 00-1141 Hanger Assemblies *(23 05 29)*

Note: Includes hanger, rod, nuts, washers, clamps, upper attachment, etc. Not for use where detail is available.

23 05 29 00-1142	EA	1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	45.53	15.76
		For Work In Restricted Working Space, Add	*10.14*	
23 05 29 00-1143	EA	3/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	47.41	16.70
		For Work In Restricted Working Space, Add	*10.71*	
23 05 29 00-1144	EA	1" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	48.98	17.70
		For Work In Restricted Working Space, Add	*11.15*	
23 05 29 00-1145	EA	1-1/4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	49.88	17.73
		For Work In Restricted Working Space, Add	*11.32*	
23 05 29 00-1146	EA	1-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	50.19	17.73
		For Work In Restricted Working Space, Add	*11.32*	
23 05 29 00-1147	EA	2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	51.36	17.87
		For Work In Restricted Working Space, Add	*11.48*	
23 05 29 00-1148	EA	2-1/2" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	60.25	18.96
		For Work In Restricted Working Space, Add	*11.59*	
23 05 29 00-1149	EA	3" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	62.40	19.51
		For Work In Restricted Working Space, Add	*11.77*	
23 05 29 00-1150	EA	4" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	75.99	22.02
		For Work In Restricted Working Space, Add	*13.00*	
23 05 29 00-1151	EA	6" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	113.80	28.46
		For Work In Restricted Working Space, Add	*17.07*	
23 05 29 00-1152	EA	8" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	133.12	33.01
		For Work In Restricted Working Space, Add	*19.81*	
23 05 29 00-1153	EA	10" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	184.74	41.93
		For Work In Restricted Working Space, Add	*24.85*	
23 05 29 00-1154	EA	12" Standard Duty Clevis Pipe Hanger Assembly Note: Includes hanger, rod, nuts, washers and clamp.	204.26	45.13
		For Work In Restricted Working Space, Add	*27.12*	

23 05 29 00-1155 Steel Shapes For Hanger Devices *(23 05 29)*

23 05 29 00-1156 Angle Iron For Hanger Devices *(23 05 29 00-1155)*

23 05 29 00-1157	LF	1/2" x 1/2" x 1/8" Angle Iron For Hanger Devices	2.50	1.47
23 05 29 00-1158	LF	3/4" x 3/4" x 1/8" Angle Iron For Hanger Devices	3.30	1.84
23 05 29 00-1159	LF	1" x 1" x 1/8" Angle Iron For Hanger Devices	4.09	2.20
23 05 29 00-1160	LF	1-1/4" x 1-1/4" x 3/16" Angle Iron For Hanger Devices	5.78	2.74
23 05 29 00-1161	LF	1-1/2" x 1-1/2" x 3/16" Angle Iron For Hanger Devices	6.51	2.95
23 05 29 00-1162	LF	2" x 2" x 1/4" Angle Iron For Hanger Devices	8.99	3.31
23 05 29 00-1163	LF	2-1/2" x 2-1/2" x 1/4" Angle Iron For Hanger Devices	11.23	4.03
23 05 29 00-1164	LF	3" x 2" x 3/8" Angle Iron For Hanger Devices	14.75	4.72
23 05 29 00-1165	LF	3" x 3" x 3/8" Angle Iron For Hanger Devices	17.66	5.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 29 00-1166		**Channels For Hanger Devices** *(23 05 29 00-1155)*		
23 05 29 00-1167	LF	C2 x 1.78, 2" Wide Channels For Hanger Devices	7.49	3.73
23 05 29 00-1168	LF	C3 x 4.1, 3" Wide Channels For Hanger Devices	13.04	5.36
23 05 29 00-1169	LF	C4 x 5.4, 4" Wide Channels For Hanger Devices	16.34	6.44
23 05 29 00-1170	LF	C5 x 6.7 - 5" Wide Channels For Hanger Devices	19.64	7.51
23 05 29 00-1171	LF	C6 x 8.2 - 6" Wide Channels For Hanger Devices	23.79	9.03
23 05 29 00-1172	LF	C7 x 9.8 - 7" Wide Channels For Hanger Devices	28.39	10.75
23 05 29 00-1173	LF	C8 x 11.5 - 8" Wide Channels For Hanger Devices	32.26	11.83
23 05 29 00-1174		**Structural Bar Tees For Hanger Devices** *(23 05 29 00-1155)*		
23 05 29 00-1175	LF	3/4" x 3/4" x 1/8" Structural Bar Tee For Hanger Devices	8.08	5.25
23 05 29 00-1176	LF	1" x 1" x 1/8" Structural Bar Tee For Hanger Devices	9.73	6.20
23 05 29 00-1177	LF	1-1/2" x 1-1/2" x 1/4" Structural Bar Tee For Hanger Devices	14.27	7.16
23 05 29 00-1178	LF	2" x 2" x 1/4" Structural Bar Tee For Hanger Devices	18.40	9.54
23 05 29 00-1179	LF	2-1/2" x 2-1/2" x 3/8" Structural Bar Tee For Hanger Devices	25.52	11.46
23 05 29 00-1180	LF	3" x 3" x 3/8" Structural Bar Tee For Hanger Devices	31.94	14.80
23 05 29 00-1181		**Structural Zees For Hanger Devices** *(23 05 29 00-1155)*		
23 05 29 00-1182	LF	1-1/4" x 1-3/4" x 1-3/4" Structural Zee For Hanger Devices	14.29	7.16
23 05 29 00-1183	LF	2-11/16" x 3" x 2-11/16" Structural Zee For Hanger Devices	17.51	7.16
23 05 29 00-1184	LF	3-1/16" x 4" x 3-1/16" Structural Zee For Hanger Devices	25.85	7.16
23 05 29 00-1185	LF	3-1/4" x 5" x 3-1/4" Structural Zee For Hanger Devices	32.93	7.16
23 05 29 00-1186	LF	3-1/2" x 6" x 3-1/2" Structural Zee For Hanger Devices	40.48	7.16
23 05 29 00-1187		**Junior I-beams For Hanger Devices** *(23 05 29 00-1155)*		
23 05 29 00-1188	LF	3" I-beam (Junior) For Hanger Devices	17.50	10.51
23 05 29 00-1189	LF	4" I-beam (Junior) For Hanger Devices	20.23	11.46
23 05 29 00-1190	LF	5" I-beam (Junior) For Hanger Devices	23.52	12.42
23 05 29 00-1191	LF	6" I-beam (Junior) For Hanger Devices	25.74	13.85
23 05 29 00-1192	LF	7" I-beam (Junior) For Hanger Devices	30.93	14.80
23 05 29 00-1193	LF	8" I-beam (Junior) For Hanger Devices	33.53	15.76

23 05 48 Vibration and Seismic Controls for HVAC *(23 05)*

23 05 48 13 Vibration Controls for HVAC *(23 05 48)*

23 05 48 13-0001		**Unhoused Stable Steel Spring Isolators** *(23 05 48 13)*		
		Note: Includes leveling adjustment, cast top, base plate and pad. For use with floor mounted equipment only.		
23 05 48 13-0002	EA	60 LB Unhoused Steel Spring Isolator	93.25	28.38
23 05 48 13-0003	EA	115 LB Unhoused Steel Spring Isolator	99.16	28.38
23 05 48 13-0004	EA	1,130 LB Unhoused Steel Spring Isolator	118.78	28.38
23 05 48 13-0005		**Housed Stable Steel Spring Isolators** *(23 05 48 13)*		
		Note: Includes leveling adjustment, top plate, base plate and pad. For use with floor mounted equipment only. Mason Industries, Inc.		
23 05 48 13-0006	EA	To 770 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	433.72	28.38
23 05 48 13-0007	EA	To 1,040 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	491.78	28.38
23 05 48 13-0008	EA	To 1,600 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	520.81	28.38
23 05 48 13-0009	EA	To 2,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	636.94	28.38
23 05 48 13-0010	EA	To 3,250 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 1" Deflection	665.97	28.38
23 05 48 13-0011	EA	To 730 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	484.52	28.38
23 05 48 13-0012	EA	To 930 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	535.33	28.38
23 05 48 13-0013	EA	To 1,440 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	571.62	28.38
23 05 48 13-0014	EA	To 1,860 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	738.55	28.38
23 05 48 13-0015	EA	To 2,880 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	803.87	28.38
23 05 48 13-0016	EA	To 3,720 LB Housed Hot Dipped Galvanized Steel Spring Isolator, 2" Deflection	956.29	28.38
23 05 48 13-0017		**Vibration Isolators** *(23 05 48 13)*		
23 05 48 13-0018		**Spring And Rubber Hanger For 1" Deflection** *(23 05 48 13-0017)*		
23 05 48 13-0019	EA	50 To 500 LB Rated Spring And Rubber Hanger For Vibration Isolation With 3/4" Max Rod Size	123.32	18.25
23 05 48 13-0020	EA	600 To 1,000 LB Rated Spring And Rubber Hanger For Vibration Isolation With 7/8" Max Rod Size	259.47	20.28
23 05 48 13-0021		**Rubber-In-Shear Isolator Hanger** *(23 05 48 13-0017)*		
23 05 48 13-0022	EA	45-340 LB Rubber In Shear Hanger 0.38" Deflection With <1/2" Rod Size	68.52	15.21
23 05 48 13-0023	EA	130-700 LB Rubber In Shear Hanger 0.43" Deflection With <3/4" Rod Size	88.82	18.25
23 05 48 13-0024		**Spring Hanger For 1" Deflection** *(23 05 48 13-0017)*		
23 05 48 13-0025	EA	50 To 1,000 LB Rubber In Shear Hanger For 1" Deflection With <3/4" Rod Size	77.71	18.25

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0026		**Rubber-In-Shear Vibration Isolator** *(23 05 48 13-0017)*		
23 05 48 13-0027	EA	45 To 340 LB Rubber In Shear Vibration Isolation With 0.38" Deflection	143.00	34.48
23 05 48 13-0028	EA	130 To 700 LB Rubber In Shear Vibration Isolation With 0.43" Deflection	195.35	34.48
23 05 48 13-0029	EA	550 To 1,920 LB Rubber In Shear Vibration Isolation With 0.48" Deflection	375.01	34.48
23 05 48 13-0030		**Two-Piece Spring Type Vibration Isolator** *(23 05 48 13-0017)*		
		Note: For equipment support aluminum construction 1/2" adjusting and leveling bolt 1" deflection.		
23 05 48 13-0031	EA	50 To 1,000 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	120.94	34.48
23 05 48 13-0032	EA	>1,000 To 1,600 LB Rated Load 2-Piece Isolator Spring Type Vibration Isolator	124.84	34.48
23 05 48 13-0033		**Open Double Spring Type Vibration Isolator** *(23 05 48 13-0017)*		
		Note: For equipment support 1" deflection neoprene pad and 5/8" stud bolt.		
23 05 48 13-0034	EA	150 To 450 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	94.17	17.23
23 05 48 13-0035	EA	500 To 1,000 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	94.17	17.23
23 05 48 13-0036	EA	1,100 To 1,600 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	107.17	17.23
23 05 48 13-0037	EA	1,700 To 2,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	107.17	17.23
23 05 48 13-0038	EA	2,500 To 3,400 LB Rated Load Open Isolator, Double Spring Type Vibration Isolator	165.99	17.23
23 05 48 13-0039		**Isolation Pads** *(23 05 48 13-0017)*		
23 05 48 13-0040		**Laminated Neoprene And Cork Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0041	EA	2" x 2", 1" Thick Laminated Neoprene And Cork Isolation Pad	6.13	2.53
23 05 48 13-0042	EA	3" x 3", 1" Thick Laminated Neoprene And Cork Isolation Pad	7.83	2.63
23 05 48 13-0043	EA	4" x 4", 1" Thick Laminated Neoprene And Cork Isolation Pad	9.78	2.74
23 05 48 13-0044	EA	12" x 12", 1" Thick Laminated Neoprene And Cork Isolation Pad	38.43	3.15
23 05 48 13-0045	EA	18" x 18", 1" Thick Laminated Neoprene And Cork Isolation Pad	73.46	3.55
23 05 48 13-0046		**Neoprene And Steel Plate Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0047	EA	6" x 4", 5/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	54.64	2.53
23 05 48 13-0048	EA	6" x 4", 7/8" Thick Steel Plate And Ribbed Neoprene Isolation Pad	60.10	2.53
23 05 48 13-0049		**Neoprene Isolation Pad** *(23 05 48 13-0039)*		
23 05 48 13-0050	EA	2" x 2", 3/8" Thick Ribbed Neoprene Isolation Pad	5.72	2.53
23 05 48 13-0051	EA	3" x 3", 3/8" Thick Ribbed Neoprene Isolation Pad	6.52	2.53
23 05 48 13-0052	EA	4" x 4", 3/8" Thick Ribbed Neoprene Isolation Pad	7.77	2.53
23 05 48 13-0053	EA	12" x 12", 3/8" Thick Ribbed Neoprene Isolation Pad	37.81	3.05
23 05 48 13-0054	EA	18" x 18", 3/8" Thick Ribbed Neoprene Isolation Pad	69.05	3.55
23 05 48 13-0055		**Miscellaneous Piping Isolators** *(23 05 48 13-0017)*		
23 05 48 13-0056	EA	Vibration Isolator, 2" Deflector	635.81	30.42
		Note: M.M. Sausse Model # RMXA.		
23 05 48 13-0057		**Threaded Flexible Bronze Hose Connectors** *(23 05 48 13)*		
		Note: Includes hex threaded nipple ends.		
23 05 48 13-0058	EA	3/8" Diameter x 9" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	66.30	16.22
23 05 48 13-0059	EA	1/2" Diameter x 10" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	77.67	22.30
23 05 48 13-0060	EA	3/4" Diameter x 11" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	95.35	27.38
23 05 48 13-0061	EA	1" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	110.96	32.45
23 05 48 13-0062	EA	1-1/4" Diameter x 12" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	127.22	42.58
23 05 48 13-0063	EA	1-1/2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	143.29	45.32
23 05 48 13-0064	EA	2" Diameter x 14" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	191.85	53.73
23 05 48 13-0065	EA	2-1/2" Diameter x 16" Flexible Hose Connection, For Vibration Isolation, Bronze Hose With Hex Threaded Nipple Ends	264.84	83.75
23 05 48 13-0066		**Weld End Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0067	EA	1/2" Diameter x 10" Flexible Hose Connection, Weld Ends	254.20	58.20
23 05 48 13-0068	EA	3/4" Diameter x 10" Flexible Hose Connection, Weld Ends	298.29	63.88
23 05 48 13-0069	EA	1" Diameter x 10" Flexible Hose Connection, Weld Ends	338.03	67.63
23 05 48 13-0070	EA	1-1/4" Diameter x 11" Flexible Hose Connection, Weld Ends	377.45	77.06
23 05 48 13-0071	EA	1-1/2" Diameter x 12" Flexible Hose Connection, Weld Ends	429.65	83.15
23 05 48 13-0072	EA	2" Diameter x 14" Flexible Hose Connection, Weld Ends	538.05	108.18
23 05 48 13-0073	EA	2-1/2" Diameter x 16" Flexible Hose Connection, Weld Ends	822.70	121.68
23 05 48 13-0074	EA	3" Diameter x 16" Flexible Hose Connection, Weld Ends	1,021.19	136.88
23 05 48 13-0075	EA	4" Diameter x 18" Flexible Hose Connection, Weld Ends	1,407.53	202.79

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0076		**Flanged Flexible Hose Connectors** *(23 05 48 13)*		
23 05 48 13-0077		**Flanged Flexible Molded Rubber Hose Connectors** *(23 05 48 13-0076)*		
		Note: With helical wire reinforcement 150 PSI.		
23 05 48 13-0078	EA	1-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	201.14	76.05
23 05 48 13-0079	EA	2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	217.62	84.46
23 05 48 13-0080	EA	2-1/2" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	353.90	168.72
23 05 48 13-0081	EA	3" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	490.07	250.95
23 05 48 13-0082	EA	4" Diameter x 12" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	638.57	323.95
23 05 48 13-0083	EA	6" Diameter x 18" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	814.16	338.47
23 05 48 13-0084	EA	8" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	989.68	386.58
23 05 48 13-0085	EA	10" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	1,281.64	460.05
23 05 48 13-0086	EA	12" Diameter x 24" Molded Rubber Connectors With Helical Wire Reinforcement 150 PSI	3,105.88	575.39
23 05 48 13-0087		**Flanged Flexible Corrugated Stainless Steel Hose Connectors** *(23 05 48 13-0076)*		
		Note: With braided metal wire.		
23 05 48 13-0088	EA	1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	156.56	69.15
23 05 48 13-0089	EA	1" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	151.94	95.11
23 05 48 13-0090	EA	1-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	292.17	126.74
23 05 48 13-0091	EA	2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	379.09	190.11
23 05 48 13-0092	EA	2-1/2" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	407.67	209.17
23 05 48 13-0093	EA	3" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	473.68	253.29
23 05 48 13-0094	EA	4" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	606.49	324.25
23 05 48 13-0095	EA	4" Diameter x 30" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,100.35	447.35
23 05 48 13-0096	EA	4" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,259.17	524.41
23 05 48 13-0097	EA	6" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	839.02	405.35
23 05 48 13-0098	EA	6" Diameter x 36" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,591.61	507.70
23 05 48 13-0099	EA	8" Diameter x 12" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,371.07	541.54
23 05 48 13-0100	EA	10" Diameter x 13" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	1,613.70	626.21
23 05 48 13-0101	EA	12" Diameter x 14" Metal Wire Braid Connector, Over Corrugated Stainless Steel, 150 PSI For Vibration Isolation	2,076.19	676.94
23 05 48 13-0102		**Flanged Flexible Molded Teflon Hose Connectors** *(23 05 48 13-0076)*		
		Note: 150 PSI.		
23 05 48 13-0103	EA	2-1/2" Diameter x 3-3/16" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	877.49	147.02
23 05 48 13-0104	EA	3" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	984.15	172.37
23 05 48 13-0105	EA	4" Diameter x 3-5/8" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,491.40	289.70
23 05 48 13-0106	EA	6" Diameter x 4" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	1,814.20	338.47
23 05 48 13-0107	EA	8" Diameter x 6" Molded Teflon Connectors With Stainless Steel Flanges, 150 PSI, For Vibration Isolation	2,384.89	415.19
23 05 48 13-0108		**Flexible Hose Connectors Braided Metal Hose Type** *(23 05 48 13)*		
23 05 48 13-0109		**Braided Metal Hose Type Flexible Bronze Hose Connectors** *(23 05 48 13-0108)*		
		Note: MPT connection.		
23 05 48 13-0110	EA	1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	34.72	2.03
23 05 48 13-0111	EA	1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	41.51	2.03
23 05 48 13-0112	EA	1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	46.18	2.63
23 05 48 13-0113	EA	1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	56.18	2.63
23 05 48 13-0114	EA	3/4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	46.49	2.43
23 05 48 13-0115	EA	3/4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	56.18	2.43
23 05 48 13-0116	EA	3/4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	64.27	3.14
23 05 48 13-0117	EA	3/4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	79.36	3.14
23 05 48 13-0118	EA	1" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	63.44	2.84
23 05 48 13-0119	EA	1" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	69.39	2.84
23 05 48 13-0120	EA	1" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	82.45	3.75
23 05 48 13-0121	EA	1" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	104.52	3.75
23 05 48 13-0122	EA	1" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	126.42	3.75
23 05 48 13-0123	EA	1" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	148.39	3.75
23 05 48 13-0124	EA	1-1/4" Or 1-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	90.39	3.64
23 05 48 13-0125	EA	1-1/4" Or 1-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	99.65	3.64
23 05 48 13-0126	EA	1-1/4" Or 1-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	127.88	3.64
23 05 48 13-0127	EA	1-1/4" Or 1-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	177.81	4.85
23 05 48 13-0128	EA	1-1/4" Or 1-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	206.26	4.85
23 05 48 13-0129	EA	1-1/4" Or 1-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	244.11	4.85
23 05 48 13-0130	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	123.76	4.39
23 05 48 13-0131	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	143.11	4.39
23 05 48 13-0132	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	180.60	4.39
23 05 48 13-0133	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	240.88	5.88
23 05 48 13-0134	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	298.02	5.88
23 05 48 13-0135	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	355.11	5.88
23 05 48 13-0136	EA	2-1/2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	171.88	5.51
23 05 48 13-0137	EA	2-1/2" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	195.72	5.22
23 05 48 13-0138	EA	2-1/2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	219.80	5.22
23 05 48 13-0139	EA	2-1/2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	271.04	7.00
23 05 48 13-0140	EA	2-1/2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	319.47	7.00
23 05 48 13-0141	EA	2-1/2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	366.39	7.00
23 05 48 13-0142	EA	3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	271.06	7.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0143	EA	3" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	303.23	7.00
23 05 48 13-0144	EA	3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	417.85	7.00
23 05 48 13-0145	EA	3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	504.08	9.34
23 05 48 13-0146	EA	3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	469.62	9.34
23 05 48 13-0147	EA	3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	532.92	9.34
23 05 48 13-0148	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	496.03	8.12
23 05 48 13-0149	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	533.62	8.12
23 05 48 13-0150	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	571.20	8.12
23 05 48 13-0151	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	652.98	10.83
23 05 48 13-0152	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	727.86	10.83
23 05 48 13-0153	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, MPT Connection	804.36	10.83

23 05 48 13-0154 Braided Stainless Steel Flexible Hose Connectors *(23 05 48 13-0108)*

Note: Over braided carbon steel connection.

23 05 48 13-0155	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	147.47	4.45
23 05 48 13-0156	EA	2" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	178.23	4.45
23 05 48 13-0157	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	208.40	4.45
23 05 48 13-0158	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	272.78	5.96
23 05 48 13-0159	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	333.95	5.96
23 05 48 13-0160	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	395.04	5.96
23 05 48 13-0161	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	167.17	5.22
23 05 48 13-0162	EA	2-1/2" Or 3" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	199.32	5.22
23 05 48 13-0163	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	231.60	5.22
23 05 48 13-0164	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	300.04	7.00
23 05 48 13-0165	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	364.35	7.00
23 05 48 13-0166	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	427.77	7.00
23 05 48 13-0167	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	177.35	7.00
23 05 48 13-0168	EA	4" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	214.17	7.19
23 05 48 13-0169	LF	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	251.52	7.00
23 05 48 13-0170	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	333.09	9.34
23 05 48 13-0171	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	407.38	9.34
23 05 48 13-0172	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	483.78	9.34
23 05 48 13-0173	EA	6" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	357.62	13.63
23 05 48 13-0174	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	527.90	13.73
23 05 48 13-0175	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	707.98	18.08
23 05 48 13-0176	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	878.33	18.08
23 05 48 13-0177	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,048.63	18.08
23 05 48 13-0178	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	620.20	16.50
23 05 48 13-0179	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	749.04	16.50
23 05 48 13-0180	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,015.54	21.45
23 05 48 13-0181	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,271.12	21.45
23 05 48 13-0182	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,526.62	21.45
23 05 48 13-0183	EA	10" Diameter x 18" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	664.27	20.62
23 05 48 13-0184	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	986.36	20.62
23 05 48 13-0185	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,321.17	26.85
23 05 48 13-0186	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,644.39	26.85
23 05 48 13-0187	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,966.24	26.85
23 05 48 13-0188	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,318.48	24.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 48 13-0189	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	1,720.44	24.93
23 05 48 13-0190	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,152.28	33.55
23 05 48 13-0191	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,557.77	33.55
23 05 48 13-0192	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Stainless Steel Over Braided Carbon Steel Connection, Welded	2,965.16	33.55

23 05 48 13-0193 Braided Metal Hose Type Flexible Bronze Hose Connectors *(23 05 48 13-0108)*

Note: Flanged end connection (carbon steel ends).

23 05 48 13-0194	EA	2" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	187.33	4.39
23 05 48 13-0195	EA	2" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	409.81	124.42
23 05 48 13-0196	EA	2" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	486.66	124.42
23 05 48 13-0197	EA	2" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	563.52	124.42
23 05 48 13-0198	EA	2" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	640.40	124.42
23 05 48 13-0199	EA	2-1/2" Or 3" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	399.81	158.68
23 05 48 13-0200	EA	2-1/2" Or 3" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	480.80	158.68
23 05 48 13-0201	EA	2-1/2" Or 3" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	561.82	158.68
23 05 48 13-0202	EA	2-1/2" Or 3" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	642.87	158.68
23 05 48 13-0203	EA	2-1/2" Or 3" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	722.50	158.68
23 05 48 13-0204	EA	4" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	581.24	266.01
23 05 48 13-0205	EA	4" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	675.77	266.68
23 05 48 13-0206	EA	4" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	771.84	266.01
23 05 48 13-0207	EA	4" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	879.26	266.01
23 05 48 13-0208	EA	4" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	961.33	266.01
23 05 48 13-0209	EA	6" Diameter x 12" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	863.10	340.80
23 05 48 13-0210	EA	6" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,077.29	340.80
23 05 48 13-0211	EA	6" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,291.60	342.02
23 05 48 13-0212	EA	6" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,505.82	340.80
23 05 48 13-0213	EA	6" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,720.01	340.80
23 05 48 13-0214	EA	8" Diameter x 18" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,350.98	421.59
23 05 48 13-0215	EA	8" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,513.02	421.59
23 05 48 13-0216	EA	8" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	1,834.29	421.59
23 05 48 13-0217	EA	8" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,155.68	421.59
23 05 48 13-0218	EA	8" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,476.91	421.59
23 05 48 13-0219	EA	10" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,115.94	513.24
23 05 48 13-0220	EA	10" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,519.65	513.24
23 05 48 13-0221	EA	10" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,926.07	513.24
23 05 48 13-0222	EA	10" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,331.61	513.24
23 05 48 13-0223	EA	10" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,659.37	513.24
23 05 48 13-0224	EA	12" Diameter x 24" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	2,831.44	623.23
23 05 48 13-0225	EA	12" Diameter x 36" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,343.73	623.23
23 05 48 13-0226	EA	12" Diameter x 48" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	3,856.00	623.23
23 05 48 13-0227	EA	12" Diameter x 60" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,368.26	623.23
23 05 48 13-0228	EA	12" Diameter x 72" Long, Flexible Hose Connectors, Braided Metal Hose, Bronze, Flanged End Connection (Carbon Steel Ends)	4,880.55	623.23

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 05 53 Identification for HVAC Piping and Equipment *(23 05)*

23 05 53 00-0001 Systems Identification *(23 05 53)*

23 05 53 00-0002 Pipe Marker Snap-On Type Plastic *(23 05 53 00-0001)*

Note: Outside diameters include insulation where necessary.

23 05 53 00-0003	EA	1/2" Outside Diameter Snap-On Plastic Marker	12.88	
23 05 53 00-0004	EA	3/4" Outside Diameter Snap-On Plastic Marker	13.13	
23 05 53 00-0005	EA	1" Outside Diameter Snap-On Plastic Marker	13.26	
23 05 53 00-0006	EA	1-1/4" Outside Diameter Snap-On Plastic Marker	13.48	
23 05 53 00-0007	EA	1-1/2" Outside Diameter Snap-On Plastic Marker	15.07	
23 05 53 00-0008	EA	2" Outside Diameter Snap-On Plastic Marker	15.53	
23 05 53 00-0009	EA	2-1/2" Outside Diameter Snap-On Plastic Marker	22.25	
23 05 53 00-0010	EA	3" Outside Diameter Snap-On Plastic Marker	22.62	
23 05 53 00-0011	EA	3-1/2" Outside Diameter Snap-On Plastic Marker	23.01	
23 05 53 00-0012	EA	4" Outside Diameter Snap-On Plastic Marker	23.21	
23 05 53 00-0013	EA	4-1/2" Outside Diameter Snap-On Plastic Marker	23.43	
23 05 53 00-0014	EA	5" Outside Diameter Snap-On Plastic Marker	23.65	
23 05 53 00-0015	EA	6" Outside Diameter Snap-On Plastic Marker	24.65	
23 05 53 00-0016	EA	7" Outside Diameter Snap-On Plastic Marker	24.89	
23 05 53 00-0017	EA	8" Outside Diameter Snap-On Plastic Marker	29.52	
23 05 53 00-0018	EA	10" Outside Diameter Snap-On Plastic Marker	30.89	
23 05 53 00-0019	EA	12" Outside Diameter Snap-On Plastic Marker	35.87	
23 05 53 00-0020	EA	14" Outside Diameter Snap-On Plastic Marker	41.04	

23 05 53 00-0021 Pipe Markers Pressure-Sensitive *(23 05 53 00-0001)*

Note: Stick on include arrow tape. Outside diameter includes insulation where necessary.

23 05 53 00-0022	EA	1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	13.71	
23 05 53 00-0023	EA	3/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	14.22	
23 05 53 00-0024	EA	1" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.24	
23 05 53 00-0025	EA	1-1/4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	15.44	
23 05 53 00-0026	EA	1-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	16.81	
23 05 53 00-0027	EA	2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	17.11	
23 05 53 00-0028	EA	2-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.03	
23 05 53 00-0029	EA	3" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.43	
23 05 53 00-0030	EA	3-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	20.73	
23 05 53 00-0031	EA	4" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.05	
23 05 53 00-0032	EA	4-1/2" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	21.68	
23 05 53 00-0033	EA	5" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.36	
23 05 53 00-0034	EA	6" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	22.96	
23 05 53 00-0035	EA	7" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	23.54	
23 05 53 00-0036	EA	8" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	26.71	
23 05 53 00-0037	EA	10" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	27.83	
23 05 53 00-0038	EA	12" Outside Diameter Press-Sensitive Marker Stick-on With Arrow Tape Over Insulation	32.97	

23 05 53 00-0039 Valve Identification Tag *(23 05 53 00-0001)*

Note: Includes beaded chain and/or "S" hook.

23 05 53 00-0040	EA	2" Diameter Identification Tag, Brass	9.86	
23 05 53 00-0041	EA	1-1/2" Diameter Identification Tag, Plastic	9.38	
23 05 53 00-0042	EA	1-1/2" Diameter Identification Tag, Brass	9.24	

23 05 66 Anti-Microbial Ultraviolet Emitters for HVAC Ducts and Equipment *(23 05)*

23 05 66 00-0001 Double Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0002	EA	18" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-181-VO) Note: Includes tube.	557.59	71.14
23 05 66 00-0003	EA	24" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-241-VO) Note: Includes tube.	582.33	74.67
23 05 66 00-0004	EA	30" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-301-VO) Note: Includes tube.	585.93	77.87
23 05 66 00-0005	EA	36" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-361-VO) Note: Includes tube.	613.24	81.81
23 05 66 00-0006	EA	42" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-421-VO) Note: Includes tube.	661.76	85.32
23 05 66 00-0007	EA	62" Double Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire DE-621-VO) Note: Includes tube.	754.44	87.99

23 05 66 00-0008 Single Ended Ultraviolet HVAC Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0009	EA	12" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-121-VO) Note: Includes tube.	481.38	49.27
23 05 66 00-0010	EA	16" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-161-VO) Note: Includes tube.	490.51	53.33
23 05 66 00-0011	EA	20" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-201-VO) Note: Includes tube.	499.86	56.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0012	EA	24" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-241-VO) Note: Includes tube.	501.04	60.79
23 05 66 00-0013	EA	30" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-301-VO) Note: Includes tube.	521.62	64.00
23 05 66 00-0014	EA	36" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-361-VO) Note: Includes tube.	534.37	67.20
23 05 66 00-0015	EA	42" Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SE-421-VO) Note: Includes tube.	547.20	71.46
23 05 66 00-0016	EA	12" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-121-VO) Note: Includes tube.	561.61	49.27
23 05 66 00-0017	EA	16" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-161-VO) Note: Includes tube.	570.74	53.33
23 05 66 00-0018	EA	20" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-201-VO) Note: Includes tube.	580.09	56.53
23 05 66 00-0019	EA	24" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-241-VO) Note: Includes tube.	581.27	60.79
23 05 66 00-0020	EA	30" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-301-VO) Note: Includes tube.	601.85	64.00
23 05 66 00-0021	EA	36" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-361-VO) Note: Includes tube.	614.60	67.20
23 05 66 00-0022	EA	42" NEMA 4X Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire SEN-421-VO) Note: Includes tube.	627.43	71.46
23 05 66 00-0023	EA	16" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-161-VO) Note: Includes tube.	396.16	53.33
23 05 66 00-0024	EA	20" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-201-VO) Note: Includes tube.	405.51	56.53
23 05 66 00-0025	EA	24" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-241-VO) Note: Includes tube.	406.69	60.79
23 05 66 00-0026	EA	30" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-301-VO) Note: Includes tube.	427.28	64.00
23 05 66 00-0027	EA	36" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-361-VO) Note: Includes tube.	440.02	67.20
23 05 66 00-0028	EA	42" Residential Type Single Ended Ultraviolet HVAC Microbial Control Fixture (Steril-Aire RSE-421-VO) Note: Includes tube.	452.85	71.46

23 05 66 00-0029 Fan Coil Unit Ultraviolet Microbial Control Fixtures *(23 05 66)*

23 05 66 00-0030	EA	16" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	357.25	68.26
23 05 66 00-0031	EA	20" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	366.34	71.46
23 05 66 00-0032	EA	24" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	375.41	74.67
23 05 66 00-0033	EA	30" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	386.91	77.87
23 05 66 00-0034	EA	36" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	401.19	81.81
23 05 66 00-0035	EA	42" Fan Coil Unit Ultraviolet Microbial Control Fixture (Steril-Aire) Note: Includes tube.	414.01	85.32

23 05 66 00-0036 Ultraviolet HVAC Microbial Control Replacement Parts *(23 05 66)*

23 05 66 00-0037	EA	18" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-16-VO)	94.40
23 05 66 00-0038	EA	24" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-22-VO)	99.13
23 05 66 00-0039	EA	30" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-28-VO)	111.64
23 05 66 00-0040	EA	36" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-34-VO)	127.61
23 05 66 00-0041	EA	42" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-40-VO)	143.92
23 05 66 00-0042	EA	62" Double Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTD-60-VO)	175.15
23 05 66 00-0043	EA	12" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-12-VO)	91.20
23 05 66 00-0044	EA	16" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-16-VO)	96.07
23 05 66 00-0045	EA	20" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-20-VO)	101.15
23 05 66 00-0046	EA	24" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-24-VO)	98.07
23 05 66 00-0047	EA	30" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-30-VO)	114.38
23 05 66 00-0048	EA	36" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-36-VO)	122.87
23 05 66 00-0049	EA	42" Single Ended Ultraviolet HVAC Microbial Control Tube Replacement (Steril-Aire GTS-42-VO)	131.43
23 05 66 00-0050	EA	Removal And Replacement Of Power Supply For Ultraviolet Microbial Control Fixture (Steril-Aire)	266.84

23 05 66 00-0051 Ultraviolet HVAC Microbial Control Mounting Accessories *(23 05 66)*

23 05 66 00-0052	EA	Two Spring Clip, 61" Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006610) Note: Includes 61" emitter, power supply, wires and connectors.	484.29
23 05 66 00-0053	EA	Two Spring Clip, 61" Sleeved Emitter Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 11006620) Note: Includes 61" emitter, power supply, wires and connectors.	609.97
23 05 66 00-0054	EA	Two Spring Clip, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-1) Note: Includes power supply, wires and connectors. Excludes emitter.	291.24
23 05 66 00-0055	EA	Two Short Hook Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-2) Note: Includes power supply, wires and connectors. Excludes emitter.	306.63
23 05 66 00-0056	EA	Flat Plate For Metal, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-3) Note: Includes power supply, wires and connectors. Excludes emitter.	375.71
23 05 66 00-0057	EA	Flat Plate For Plastic, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-4) Note: Includes power supply, wires and connectors. Excludes emitter.	240.61
23 05 66 00-0058	EA	Insert Lamp Holder, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-5) Note: Includes power supply, wires and connectors. Excludes emitter.	259.53

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 66 00-0059	EA	16" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-6) Note: Includes power supply, wires and connectors. Excludes emitter.	343.58	
23 05 66 00-0060	EA	12" U-Bracket, Air Handler Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 10000166-7) Note: Includes power supply, wires and connectors. Excludes emitter.	339.21	
23 05 66 00-0061	LF	30 x 30 mm Framing Structure For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000101)	12.89	
23 05 66 00-0062	EA	Vertical Support Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000111)	44.21	
23 05 66 00-0063	EA	Joint Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000112)	15.94	
23 05 66 00-0064	EA	Emitter Mounting Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000113)	15.18	
23 05 66 00-0065	EA	Foundation Bracket FB 8WA For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000104)	41.09	
23 05 66 00-0066	EA	Slider Assembly Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000114)	45.68	
23 05 66 00-0067	EA	Splice Kit For Horizontal Rows For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000108)	40.82	
23 05 66 00-0068	EA	Gusset Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000115)	33.55	
23 05 66 00-0069	EA	ISO "A" Bracket Hanger For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 15000109)	31.81	
23 05 66 00-0070	EA	DE Boot Kit UV Resistant For 1 DE Fixture For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000223)	18.23	
23 05 66 00-0071	EA	DE Wiring Kit For Up To 65" (DE Bank Install) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000603)	35.49	
23 05 66 00-0072	EA	Cleaning Kit For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000100)	18.30	
23 05 66 00-0073	EA	480 To 220 Volt AC / 180 VA Step-Down Transformer For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000503)	67.98	
23 05 66 00-0074	EA	Interlock Switch (16 Amps At 125 Volt, 10 Amperes At 250 Volt Maximum Ampacity) For Ultraviolet HVAC Microbial Control Tube (Steril-Aire 90000120)	71.24	

23 05 93 Testing, Adjusting, and Balancing for HVAC *(23 05)*

Note: New systems include all necessary testing, startup, and checkout. Use these tasks for testing, startup, and checkout of existing systems or for third party testing and report when required.

23 05 93 00-0001 Heating And Ventilating Equipment *(23 05 93)*

23 05 93 00-0002	EA	Balancing Centrifugal Fans	390.61
		For Testing Of Unit Without Balancing, Deduct	*-195.31*
23 05 93 00-0003	EA	Balancing Heating And Ventilating Units	488.07
		For Testing Of Unit Without Balancing, Deduct	*-244.04*
23 05 93 00-0004	EA	Balancing In Line Fan	439.43
		For Testing Of Unit Without Balancing, Deduct	*-219.72*
23 05 93 00-0005	EA	Balancing Propeller And Wall Fan	97.65
		For Testing Of Unit Without Balancing, Deduct	*-48.83*
23 05 93 00-0006	EA	Balancing Roof Exhaust Fan	292.94
		For Testing Of Unit Without Balancing, Deduct	*-146.47*
23 05 93 00-0007	EA	Balancing Wall Fan	73.22
		For Testing Of Unit Without Balancing, Deduct	*-36.61*
23 05 93 00-0008	EA	Balancing Fan Section Exhaust	389.98
		For Testing Of Unit Without Balancing, Deduct	*-194.99*

23 05 93 00-0009 Air Conditioning Equipment *(23 05 93)*

23 05 93 00-0010	EA	Balancing Constant Volume Air Handling Unit	747.18
		For Testing Of Unit Without Balancing, Deduct	*-373.59*
23 05 93 00-0011	EA	Balancing Package A/C Unit	280.20
		For Testing Of Unit Without Balancing, Deduct	*-140.10*
23 05 93 00-0012	EA	Balancing Rooftop Heat And Cool Unit	373.59
		For Testing Of Unit Without Balancing, Deduct	*-186.80*
23 05 93 00-0013	EA	Balancing Variable Volume Air Handling Unit	1,307.56
		For Testing Of Unit Without Balancing, Deduct	*-653.78*

23 05 93 00-0014 Registers, Diffusers, Terminal Air Units And Dampers *(23 05 93)*

23 05 93 00-0015	EA	Balancing HVAC Duct System, Ceiling Height To 12' Supply, Return, Exhaust, Register And Diffuser	73.24
		For Testing Of Unit Without Balancing, Deduct	*-36.62*
23 05 93 00-0016	EA	Balancing HVAC Duct System, Ceiling Height >12' Supply, Return, Exhaust, Register And Diffuser	122.07
		For Testing Of Unit Without Balancing, Deduct	*-61.04*
23 05 93 00-0017	EA	Balancing HVAC Duct System, Floor Height Supply, Return, Exhaust, Register And Diffuser	63.47
		For Testing Of Unit Without Balancing, Deduct	*-31.74*
23 05 93 00-0018	EA	Balance Variable Air Volume Box	68.77
		For Testing Of Unit Without Balancing, Deduct	*-34.39*
23 05 93 00-0019	EA	Balance Constant Volume Box	68.77
		For Testing Of Unit Without Balancing, Deduct	*-34.39*
23 05 93 00-0020	EA	Balance Fan Powered Box	78.12
		For Testing Of Unit Without Balancing, Deduct	*-39.06*
23 05 93 00-0021	EA	Balance Lab Fume Hood	317.38
		For Testing Of Unit Without Balancing, Deduct	*-158.69*
23 05 93 00-0022	EA	Balance General Hood	244.13
		For Testing Of Unit Without Balancing, Deduct	*-122.07*
23 05 93 00-0023	EA	Balance Induction Unit	146.49
		For Testing Of Unit Without Balancing, Deduct	*-73.25*
23 05 93 00-0024	EA	Balance Moduline - Master	58.58
		For Testing Of Unit Without Balancing, Deduct	*-29.29*
23 05 93 00-0025	EA	Balance Moduline - Slave	29.30
		For Testing Of Unit Without Balancing, Deduct	*-14.65*
23 05 93 00-0026	EA	Balance Dampers	27.20
		For Testing Of Unit Without Balancing, Deduct	*-13.60*
23 05 93 00-0027	EA	Balance Regenerators	389.98
		For Testing Of Unit Without Balancing, Deduct	*-194.99*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0028		**Water Balancing Of Components** *(23 05 93)*		
23 05 93 00-0029	EA	Water Balance, Air Cool Condenser	513.73	
		For Testing Of Unit Without Balancing, Deduct	*-256.87*	
23 05 93 00-0030	EA	Water Balance, Cabinet Heater	65.38	
		For Testing Of Unit Without Balancing, Deduct	*-32.69*	
23 05 93 00-0031	EA	Water Balance, Chiller, Air Cooled	560.34	
		For Testing Of Unit Without Balancing, Deduct	*-280.17*	
23 05 93 00-0032	EA	Water Balance, Chiller, Water Cooled	747.18	
		For Testing Of Unit Without Balancing, Deduct	*-373.59*	
23 05 93 00-0033	EA	Water Balance, Cooling Tower	373.59	
		For Testing Of Unit Without Balancing, Deduct	*-186.80*	
23 05 93 00-0034	EA	Water Balance, Fan Coil And Vent	93.45	
		For Testing Of Unit Without Balancing, Deduct	*-46.73*	
23 05 93 00-0035	EA	Water Balance, Fin Tube And Radiant Panel	93.40	
		For Testing Of Unit Without Balancing, Deduct	*-46.70*	
23 05 93 00-0036	EA	Water Balance, Main And Duct Re-Heat Coil	102.74	
		For Testing Of Unit Without Balancing, Deduct	*-51.37*	
23 05 93 00-0037	EA	Water Balance, Pumps	280.21	
		For Testing Of Unit Without Balancing, Deduct	*-140.11*	
23 05 93 00-0038	EA	Water Balance, Unit Heater	65.38	
		For Testing Of Unit Without Balancing, Deduct	*-32.69*	
23 05 93 00-0039	EA	Water Balancing, Converter	280.31	
		For Testing Of Unit Without Balancing, Deduct	*-140.16*	
23 05 93 00-0040	EA	Water Balancing, Cocks And Valves	46.69	
		For Testing Of Unit Without Balancing, Deduct	*-23.35*	
23 05 93 00-0041	EA	Water Balance, Convector	56.03	
		For Testing Of Unit Without Balancing, Deduct	*-28.02*	
23 05 93 00-0042	EA	Water Balancing, Backflow Preventer Or Reduced Pressure Zone Valves	70.05	
		For Testing Of Unit Without Balancing, Deduct	*-35.03*	
23 05 93 00-0043	EA	Water Balance, Boiler, Up To 500 MBH	607.08	
		For Testing Of Unit Without Balancing, Deduct	*-303.54*	
23 05 93 00-0044	EA	>500 To 1,000 MBH, Water Balance, Boiler	1,120.77	
		For Testing Of Unit Without Balancing, Deduct	*-560.39*	
23 05 93 00-0045	EA	>1,000 MBH, Water Balance, Boiler	2,054.75	
		For Testing Of Unit Without Balancing, Deduct	*-1,027.38*	
23 05 93 00-0046		**Non Destructive Testing** *(23 05 93)*		
23 05 93 00-0047		**X-Ray Welds, Non-Destructive Testing** *(23 05 93 00-0046)*		
23 05 93 00-0048		**X-Ray Welds Minimum Set-Up Charge** *(23 05 93 00-0047)*		
23 05 93 00-0049	EA	X-Ray Welds Minimum Set-Up Charge	749.29	
		Note: For projects where the total charges are less than the minimum set-up charge, use this task exclusively. This task should not be used in conjunction with any other tasks in this section.		
23 05 93 00-0050		**Piping, X-Ray Welds, Non Destructive Testing** *(23 05 93 00-0047)*		
23 05 93 00-0051	EA	Up To 3/4" Piping, X-Ray Welds, Non Destructive Testing	76.54	
23 05 93 00-0052	EA	1" Piping, X-Ray Welds, Non Destructive Testing	87.14	
23 05 93 00-0053	EA	1-1/4" - 1-1/2" Piping, X-Ray Welds, Non Destructive Testing	97.74	
23 05 93 00-0054	EA	2" Piping, X-Ray Welds, Non Destructive Testing	103.28	
23 05 93 00-0055	EA	3" Piping, X-Ray Welds, Non Destructive Testing	108.82	
23 05 93 00-0056	EA	4" Piping, X-Ray Welds, Non Destructive Testing	114.80	
23 05 93 00-0057	EA	6" Piping, X-Ray Welds, Non Destructive Testing	125.87	
23 05 93 00-0058	EA	8" Piping, X-Ray Welds, Non Destructive Testing	136.94	
23 05 93 00-0059	EA	10" Piping, X-Ray Welds, Non Destructive Testing	142.93	
23 05 93 00-0060	EA	12" Piping, X-Ray Welds, Non Destructive Testing	148.93	
23 05 93 00-0061		**Liquid Penetration Of Welds, Non Destructive Testing** *(23 05 93 00-0046)*		
23 05 93 00-0062		**Piping, Liquid Penetration Of Welds, Non Destructive Testing** *(23 05 93 00-0061)*		
23 05 93 00-0063	EA	Up To 3/4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	89.19	
23 05 93 00-0064	EA	1" Piping, Liquid Penetration Of Welds, Non Destructive Testing	94.26	
23 05 93 00-0065	EA	1-1/4" - 1-1/2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	99.32	
23 05 93 00-0066	EA	2" Piping, Liquid Penetration Of Welds, Non Destructive Testing	101.86	
23 05 93 00-0067	EA	3" Piping, Liquid Penetration Of Welds, Non Destructive Testing	105.67	
23 05 93 00-0068	EA	4" Piping, Liquid Penetration Of Welds, Non Destructive Testing	109.47	
23 05 93 00-0069	EA	6" Piping, Liquid Penetration Of Welds, Non Destructive Testing	117.07	
23 05 93 00-0070	EA	8" Piping, Liquid Penetration Of Welds, Non Destructive Testing	124.67	
23 05 93 00-0071	EA	10" Piping, Liquid Penetration Of Welds, Non Destructive Testing	132.28	
23 05 93 00-0072	EA	12" Piping, Liquid Penetration Of Welds, Non Destructive Testing	139.89	
23 05 93 00-0073		**Hydrostatic Testing** *(23 05 93 00-0046)*		
		Note: Includes flushing and restoring of system.		
23 05 93 00-0074		**Piping, Hydrostatic Testing** *(23 05 93 00-0073)*		
23 05 93 00-0075	EA	Up To 100', Up To 1-1/2" Piping, Hydrostatic Testing	667.07	
23 05 93 00-0076	EA	>100' To 250', Up To 1-1/2" Piping, Hydrostatic Testing	952.95	
23 05 93 00-0077	EA	>250' To 500', Up To 1-1/2" Piping, Hydrostatic Testing	1,141.82	
23 05 93 00-0078	EA	>500' To 1,000', Up To 1-1/2" Piping, Hydrostatic Testing	1,520.91	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 05 93 00-0079	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Hydrostatic Testing	2,304.40	
23 05 93 00-0080	EA	Up To 100', >1-1/2" To 4" Piping, Hydrostatic Testing	886.93	
23 05 93 00-0081	EA	>100' To 250', >1-1/2" To 4" Piping, Hydrostatic Testing	1,267.42	
23 05 93 00-0082	EA	>250' To 500', >1-1/2" To 4" Piping, Hydrostatic Testing	1,508.83	
23 05 93 00-0083	EA	>500' To 1,000', >1-1/2" To 4" Piping, Hydrostatic Testing	1,977.16	
23 05 93 00-0084	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Hydrostatic Testing	2,991.11	
23 05 93 00-0085	EA	Up To 100', >4" To 10" Piping, Hydrostatic Testing	1,155.89	
23 05 93 00-0086	EA	>100' To 250', >4" To 10" Piping, Hydrostatic Testing	1,647.65	
23 05 93 00-0087	EA	>250' To 500', >4" To 10" Piping, Hydrostatic Testing	1,746.49	
23 05 93 00-0088	EA	>500' To 1,000', >4" To 10" Piping, Hydrostatic Testing	2,288.04	
23 05 93 00-0089	EA	>1,000' To 2,000', >4" To 10" Piping, Hydrostatic Testing	3,461.37	
23 05 93 00-0090	EA	Up To 100', >10" To 14" Piping, Hydrostatic Testing	1,500.63	
23 05 93 00-0091	EA	>100' To 250', >10" To 14" Piping, Hydrostatic Testing	2,139.40	
23 05 93 00-0092	EA	>250' To 500', >10" To 14" Piping, Hydrostatic Testing	2,270.88	
23 05 93 00-0093	EA	>500' To 1,000', >10" To 14" Piping, Hydrostatic Testing	2,978.50	
23 05 93 00-0094	EA	>1,000' To 2,000', >10" To 14" Piping, Hydrostatic Testing	4,512.89	

23 05 93 00-0095 Pneumatic Testing *(23 05 93 00-0046)*

Note: Includes soaping joints flushing and restoring of system. Can be used for gas or smoke test.

23 05 93 00-0096 Piping, Pneumatic Testing *(23 05 93 00-0095)*

23 05 93 00-0097	EA	Up To 100', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	758.64	
23 05 93 00-0098	EA	>100' To 250', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,082.48	
23 05 93 00-0099	EA	>250' To 500', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,169.57	
23 05 93 00-0100	EA	>500' To 1,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	1,498.11	
23 05 93 00-0101	EA	>1,000' To 2,000', Up To 1-1/2" Piping, Pneumatic Testing Note: Includes soaping joints.	2,343.38	
23 05 93 00-0102	EA	Up To 100', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	989.91	
23 05 93 00-0103	EA	>100' To 250', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,405.62	
23 05 93 00-0104	EA	>250' To 500', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,520.34	
23 05 93 00-0105	EA	>500' To 1,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	1,947.94	
23 05 93 00-0106	EA	>1,000' To 2,000', >1-1/2" To 4" Piping, Pneumatic Testing Note: Includes soaping joints.	3,045.95	
23 05 93 00-0107	EA	Up To 100', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,192.39	
23 05 93 00-0108	EA	>100' To 250', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,682.73	
23 05 93 00-0109	EA	>250' To 500', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	1,912.09	
23 05 93 00-0110	EA	>500' To 1,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	2,443.25	
23 05 93 00-0111	EA	>1,000' To 2,000', >4" To 10" Piping, Pneumatic Testing Note: Includes soaping joints.	3,826.01	
23 05 93 00-0112	EA	Up To 100', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	1,552.61	
23 05 93 00-0113	EA	>100' To 250', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,187.70	
23 05 93 00-0114	EA	>250' To 500', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	2,486.49	
23 05 93 00-0115	EA	>500' To 1,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	3,176.87	
23 05 93 00-0116	EA	>1,000' To 2,000', >10" To 14" Piping, Pneumatic Testing Note: Includes soaping joints.	4,981.85	

23 05 93 00-0117 EPA Testing Of Sludge *(23 05 93)*

23 05 93 00-0118	EA	Flashpoint And Lead Test For Lead	704.29	
23 05 93 00-0119	EA	Air Test/Combustion Gas Level	76.21	
23 05 93 00-0120	EA	Toxicity Test For Heavy Metals	1,079.59	
23 05 93 00-0121	EA	Aboveground Tank Water Settlement Test Including Water	820.09	

23 07 HVAC Insulation *(23)*

23 07 13 Duct Insulation *(23 07)*

Note: Based on SF surface area of duct to receive insulation.

23 07 13 00-0001 FSK Fiber Glass Duct Wrap Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing lapped and joints sealed vapor tight.

23 07 13 00-0002 Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0003	SF	1" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	2.71	1.80
		For Plain Blanket, With No Facing, Deduct	*-0.13*	
		For Work In Restricted Working Space, Add	*0.72*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0004	SF	1-1/2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.16	1.80
		For Plain Blanket, With No Facing, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*0.84*	
23 07 13 00-0005	SF	2" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.60	2.69
		For Plain Blanket, With No Facing, Deduct	*-0.16*	
		For Work In Restricted Working Space, Add	*0.96*	
23 07 13 00-0006	SF	3" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.24	3.15
		For Plain Blanket, With No Facing, Deduct	*-0.20*	
		For Work In Restricted Working Space, Add	*1.13*	
23 07 13 00-0007	SF	4" Thick, Type 75 (0.75 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.82	3.41
		For Plain Blanket, With No Facing, Deduct	*-0.31*	
		For Work In Restricted Working Space, Add	*1.22*	

23 07 13 00-0008 Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0009	SF	1" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.36	2.69
		For Plain Blanket, With No Facing, Deduct	*-0.14*	
		For Work In Restricted Working Space, Add	*0.90*	
23 07 13 00-0010	SF	1-1/2" Thick, Type 100 (1.0 LB/CF) FSK Fiber Glass Duct Wrap Insulation	3.89	3.15
		For Plain Blanket, With No Facing, Deduct	*-0.18*	
		For Work In Restricted Working Space, Add	*1.04*	
23 07 13 00-0011	SF	2" Thick, Type 100 (1.0 LB/CF) Fiber Glass FSK Duct Wrap Insulation	4.61	3.59
		For Plain Blanket, With No Facing, Deduct	*-0.21*	
		For Work In Restricted Working Space, Add	*1.23*	

23 07 13 00-0012 Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation *(23 07 13 00-0001)*

23 07 13 00-0013	SF	1" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	4.23	3.59
		For Plain Blanket, With No Facing, Deduct	*-0.25*	
		For Work In Restricted Working Space, Add	*1.08*	
23 07 13 00-0014	SF	1-1/2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	5.19	4.05
		For Plain Blanket, With No Facing, Deduct	*-0.43*	
		For Work In Restricted Working Space, Add	*1.24*	
23 07 13 00-0015	SF	2" Thick, Type 150 (1.5 LB/CF) FSK Fiber Glass Duct Wrap Insulation	6.05	4.49
		For Plain Blanket, With No Facing, Deduct	*-0.50*	
		For Work In Restricted Working Space, Add	*1.44*	

23 07 13 00-0016 3 LB/CF FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fasteners.

23 07 13 00-0017	SF	1" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation	8.56	4.79
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*19.56*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*14.55*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*11.98*	
		For Work In Restricted Working Space, Add	*2.39*	
23 07 13 00-0018	SF	1-1/2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation	11.07	5.83
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*24.26*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*18.35*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*15.03*	
		For Work In Restricted Working Space, Add	*2.91*	
23 07 13 00-0019	SF	2" Thick, 3 LB/CF FSK Rigid Fiber Glass Board Insulation	13.85	7.04
		For 8 Oz Canvas On Duct, Applied Over Deadening Felt And Finished, Add	*29.60*	
		For Finishing Cement 1/2" Thick Over 1" Wire Mesh, Add	*22.63*	
		For Non-Metallic Weatherproof Paste, 2 LB, Add	*18.48*	
		For Work In Restricted Working Space, Add	*3.51*	

23 07 13 00-0020 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation *(23 07 13)*

Note: Foil-scrim kraft (FSK) facing, sealed vapor tight and attached to ducts with mechanical fastener.

23 07 13 00-0021	SF	1" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	9.64	5.28
		For Work In Restricted Working Space, Add	*2.63*	
23 07 13 00-0022	SF	1-1/2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	12.60	6.42
		For Work In Restricted Working Space, Add	*3.20*	
23 07 13 00-0023	SF	2" Thick, 4.253 LB/CF FSK Rigid Fiber Glass Board Insulation	16.26	7.74
		For Work In Restricted Working Space, Add	*3.86*	

23 07 13 00-0024 Sheet Flexible Elastomeric Insulation *(23 07 13)*

23 07 13 00-0025	SF	3/8" Thick, Sheet Flexible Elastomeric Insulation	7.90	2.42
23 07 13 00-0026	SF	1/2" Thick, Sheet Flexible Elastomeric Insulation	8.43	2.56
23 07 13 00-0027	SF	3/4" Thick, Sheet Flexible Elastomeric Insulation	11.21	2.69
23 07 13 00-0028	SF	1" Thick, Sheet Flexible Elastomeric Insulation	12.98	2.82
23 07 13 00-0029	SF	1-1/2" Thick, Sheet Flexible Elastomeric Insulation	18.17	3.10
23 07 13 00-0030	SF	2" Thick, Sheet Flexible Elastomeric Insulation	21.54	3.37

23 07 13 00-0031 Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0032	SF	1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	11.90	2.56
23 07 13 00-0033	SF	3/4" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	13.12	2.69
23 07 13 00-0034	SF	1" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.65	2.82
23 07 13 00-0035	SF	1-1/2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	23.15	3.10

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 13 00-0036	SF	2" Thick, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	27.49	3.37

23 07 13 00-0037 Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation *(23 07 13)*

Note: Jacketing is a 3-ply laminate consisting of a PVC core, 0.012" thick aluminum foil jacketing and UV-protective Mylar film.

23 07 13 00-0038	SF	1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	14.37	2.56
23 07 13 00-0039	SF	3/4" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	15.59	2.69
23 07 13 00-0040	SF	1" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	17.55	2.82
23 07 13 00-0041	SF	1-1/2" Thick, Adhesive Backed, Aluminum Foil/Mylar Film, Multi-Layer Sheet Elastomeric Insulation	26.02	3.10

23 07 16 HVAC Equipment Insulation *(23 07)*

23 07 16 00-0001 Calcium Silicate Block Insulation *(23 07 16)*

23 07 16 00-0002	SF	1" Thick, Calcium Silicate Block Insulation	14.59	5.76
		For Work In Restricted Working Space, Add	*3.45*	
23 07 16 00-0003	SF	1-1/2" Thick, Calcium Silicate Block Insulation	17.58	6.48
		For Work In Restricted Working Space, Add	*3.89*	
23 07 16 00-0004	SF	2" Thick, Calcium Silicate Block Insulation	21.15	7.47
		For Work In Restricted Working Space, Add	*4.50*	
23 07 16 00-0005	SF	2-1/2" Thick, Calcium Silicate Block Insulation	25.25	8.77
		For Work In Restricted Working Space, Add	*5.27*	
23 07 16 00-0006	SF	3" Thick, Calcium Silicate Block Insulation	30.83	10.80
		For Work In Restricted Working Space, Add	*6.48*	

23 07 19 HVAC Piping Insulation *(23 07)*

See CSI section 22 07 19 00-0000 for pipe insulation.

23 07 19 00-0001 Calcium Silicate Pipe Insulation *(23 07 19)*

Note: Includes adhesive. Excludes fittings (a location requiring purchase of an insulation fitting or cutting and fitting straight sections, excludes couplings, plugs, etc.). For fittings/valves up to 3" add 2 LF for each fitting/valve or 3 LF for each flanged/grooved joint. For fittings/valves >3" add 3 LF for each fitting/valve or 4 LF for each flanged/grooved joint. See CSI section 22 07 19 00-0492 for protective jacketing.

23 07 19 00-0002 1" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0003	LF	1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.82	2.96
		For Work In Restricted Working Space, Add	*2.21*	
23 07 19 00-0004	LF	3/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.82	2.96
		For Work In Restricted Working Space, Add	*2.21*	
23 07 19 00-0005	LF	1" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.70	3.00
		For Work In Restricted Working Space, Add	*2.25*	
23 07 19 00-0006	LF	1-1/4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	12.90	3.04
		For Work In Restricted Working Space, Add	*2.28*	
23 07 19 00-0007	LF	1-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	13.05	3.08
		For Work In Restricted Working Space, Add	*2.31*	
23 07 19 00-0008	LF	2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.08	3.17
		For Work In Restricted Working Space, Add	*2.37*	
23 07 19 00-0009	LF	2-1/2" Diameter Pipe, 1" Thick Calcium Silicate Insulation	14.75	3.29
		For Work In Restricted Working Space, Add	*2.47*	
23 07 19 00-0010	LF	3" Diameter Pipe, 1" Thick Calcium Silicate Insulation	15.45	3.38
		For Work In Restricted Working Space, Add	*2.53*	
23 07 19 00-0011	LF	4" Diameter Pipe, 1" Thick Calcium Silicate Insulation	17.85	3.63
		For Work In Restricted Working Space, Add	*2.73*	
23 07 19 00-0012	LF	6" Diameter Pipe, 1" Thick Calcium Silicate Insulation	19.83	4.11
		For Work In Restricted Working Space, Add	*3.08*	

23 07 19 00-0013 1-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0014	LF	1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.44	3.08
		For Work In Restricted Working Space, Add	*2.31*	
23 07 19 00-0015	LF	3/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	13.53	3.08
		For Work In Restricted Working Space, Add	*2.31*	
23 07 19 00-0016	LF	1" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	14.53	3.26
		For Work In Restricted Working Space, Add	*2.45*	
23 07 19 00-0017	LF	1-1/4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.17	3.32
		For Work In Restricted Working Space, Add	*2.49*	
23 07 19 00-0018	LF	1-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	15.83	3.38
		For Work In Restricted Working Space, Add	*2.54*	
23 07 19 00-0019	LF	2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.05	3.57
		For Work In Restricted Working Space, Add	*2.68*	
23 07 19 00-0020	LF	2-1/2" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	17.95	3.63
		For Work In Restricted Working Space, Add	*2.72*	
23 07 19 00-0021	LF	3" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	18.64	3.75
		For Work In Restricted Working Space, Add	*2.81*	
23 07 19 00-0022	LF	4" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	20.88	4.06
		For Work In Restricted Working Space, Add	*3.04*	
23 07 19 00-0023	LF	6" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	24.19	4.73
		For Work In Restricted Working Space, Add	*3.55*	
23 07 19 00-0024	LF	8" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	28.86	4.99
		For Work In Restricted Working Space, Add	*3.75*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0025	LF	10" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	36.63	5.98
		For Work In Restricted Working Space, Add	*4.49*	
23 07 19 00-0026	LF	12" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	43.13	6.97
		For Work In Restricted Working Space, Add	*5.22*	
23 07 19 00-0027	LF	14" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	48.15	7.64
		For Work In Restricted Working Space, Add	*5.73*	
23 07 19 00-0028	LF	16" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	56.83	9.72
		For Work In Restricted Working Space, Add	*7.29*	
23 07 19 00-0029	LF	18" Diameter Pipe, 1-1/2" Thick Calcium Silicate Insulation	61.47	10.20
		For Work In Restricted Working Space, Add	*7.65*	

23 07 19 00-0030 2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0031	LF	1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	17.53	3.38
		For Work In Restricted Working Space, Add	*2.53*	
23 07 19 00-0032	LF	3/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.02	3.38
		For Work In Restricted Working Space, Add	*2.53*	
23 07 19 00-0033	LF	1" Diameter Pipe, 2" Thick Calcium Silicate Insulation	18.65	3.42
		For Work In Restricted Working Space, Add	*2.57*	
23 07 19 00-0034	LF	1-1/4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	19.49	3.46
		For Work In Restricted Working Space, Add	*2.60*	
23 07 19 00-0035	LF	1-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.05	3.51
		For Work In Restricted Working Space, Add	*2.63*	
23 07 19 00-0036	LF	2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	20.93	3.63
		For Work In Restricted Working Space, Add	*2.73*	
23 07 19 00-0037	LF	2-1/2" Diameter Pipe, 2" Thick Calcium Silicate Insulation	23.66	3.76
		For Work In Restricted Working Space, Add	*2.82*	
23 07 19 00-0038	LF	3" Diameter Pipe, 2" Thick Calcium Silicate Insulation	24.04	3.89
		For Work In Restricted Working Space, Add	*2.92*	
23 07 19 00-0039	LF	4" Diameter Pipe, 2" Thick Calcium Silicate Insulation	26.81	4.11
		For Work In Restricted Working Space, Add	*3.08*	
23 07 19 00-0040	LF	6" Diameter Pipe, 2" Thick Calcium Silicate Insulation	32.95	4.92
		For Work In Restricted Working Space, Add	*3.70*	
23 07 19 00-0041	LF	8" Diameter Pipe, 2" Thick Calcium Silicate Insulation	37.56	5.20
		For Work In Restricted Working Space, Add	*3.90*	
23 07 19 00-0042	LF	10" Diameter Pipe, 2" Thick Calcium Silicate Insulation	46.42	6.22
		For Work In Restricted Working Space, Add	*4.67*	
23 07 19 00-0043	LF	12" Diameter Pipe, 2" Thick Calcium Silicate Insulation	52.91	7.46
		For Work In Restricted Working Space, Add	*5.59*	
23 07 19 00-0044	LF	14" Diameter Pipe, 2" Thick Calcium Silicate Insulation	63.70	10.40
		For Work In Restricted Working Space, Add	*7.80*	
23 07 19 00-0045	LF	16" Diameter Pipe, 2" Thick Calcium Silicate Insulation	67.56	10.40
		For Work In Restricted Working Space, Add	*7.80*	
23 07 19 00-0046	LF	18" Diameter Pipe, 2" Thick Calcium Silicate Insulation	72.63	10.92
		For Work In Restricted Working Space, Add	*8.19*	
23 07 19 00-0047	LF	20" Diameter Pipe, 2" Thick Calcium Silicate Insulation	87.03	12.48
		For Work In Restricted Working Space, Add	*9.36*	
23 07 19 00-0048	LF	24" Diameter Pipe, 2" Thick Calcium Silicate Insulation	100.88	15.07
		For Work In Restricted Working Space, Add	*11.31*	

23 07 19 00-0049 2-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0050	LF	1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.17	3.89
		For Work In Restricted Working Space, Add	*2.93*	
23 07 19 00-0051	LF	3/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	21.69	3.89
		For Work In Restricted Working Space, Add	*2.93*	
23 07 19 00-0052	LF	1" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.07	3.95
		For Work In Restricted Working Space, Add	*2.97*	
23 07 19 00-0053	LF	1-1/4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.29	3.99
		For Work In Restricted Working Space, Add	*2.99*	
23 07 19 00-0054	LF	1-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	22.92	4.02
		For Work In Restricted Working Space, Add	*3.02*	
23 07 19 00-0055	LF	2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	23.89	4.19
		For Work In Restricted Working Space, Add	*3.14*	
23 07 19 00-0056	LF	2-1/2" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.20	4.33
		For Work In Restricted Working Space, Add	*3.25*	
23 07 19 00-0057	LF	3" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	27.58	4.48
		For Work In Restricted Working Space, Add	*3.36*	
23 07 19 00-0058	LF	4" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	32.25	4.72
		For Work In Restricted Working Space, Add	*3.54*	
23 07 19 00-0059	LF	6" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	40.62	5.37
		For Work In Restricted Working Space, Add	*4.03*	
23 07 19 00-0060	LF	8" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	46.48	5.99
		For Work In Restricted Working Space, Add	*4.49*	
23 07 19 00-0061	LF	10" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	55.73	6.90
		For Work In Restricted Working Space, Add	*5.18*	
23 07 19 00-0062	LF	12" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	64.37	8.59
		For Work In Restricted Working Space, Add	*6.44*	
23 07 19 00-0063	LF	14" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	71.32	9.37
		For Work In Restricted Working Space, Add	*7.03*	
23 07 19 00-0064	LF	16" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	86.04	11.98
		For Work In Restricted Working Space, Add	*8.98*	
23 07 19 00-0065	LF	18" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	90.93	12.57
		For Work In Restricted Working Space, Add	*9.43*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0066	LF	20" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	105.68	14.38
		For Work In Restricted Working Space, Add	*10.78*	
23 07 19 00-0067	LF	24" Diameter Pipe, 2-1/2" Thick Calcium Silicate Insulation	123.74	17.36
		For Work In Restricted Working Space, Add	*13.02*	

23 07 19 00-0068 3" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0069	LF	1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.25	4.31
		For Work In Restricted Working Space, Add	*3.23*	
23 07 19 00-0070	LF	3/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.36	4.31
		For Work In Restricted Working Space, Add	*3.23*	
23 07 19 00-0071	LF	1" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.60	4.36
		For Work In Restricted Working Space, Add	*3.27*	
23 07 19 00-0072	LF	1-1/4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	27.91	4.39
		For Work In Restricted Working Space, Add	*3.29*	
23 07 19 00-0073	LF	1-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	28.17	4.43
		For Work In Restricted Working Space, Add	*3.33*	
23 07 19 00-0074	LF	2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	29.11	4.60
		For Work In Restricted Working Space, Add	*3.45*	
23 07 19 00-0075	LF	2-1/2" Diameter Pipe, 3" Thick Calcium Silicate Insulation	32.61	4.76
		For Work In Restricted Working Space, Add	*3.57*	
23 07 19 00-0076	LF	3" Diameter Pipe, 3" Thick Calcium Silicate Insulation	33.20	4.92
		For Work In Restricted Working Space, Add	*3.70*	
23 07 19 00-0077	LF	4" Diameter Pipe, 3" Thick Calcium Silicate Insulation	39.68	5.21
		For Work In Restricted Working Space, Add	*3.90*	
23 07 19 00-0078	LF	6" Diameter Pipe, 3" Thick Calcium Silicate Insulation	47.31	5.90
		For Work In Restricted Working Space, Add	*4.43*	
23 07 19 00-0079	LF	8" Diameter Pipe, 3" Thick Calcium Silicate Insulation	55.21	6.58
		For Work In Restricted Working Space, Add	*4.94*	
23 07 19 00-0080	LF	10" Diameter Pipe, 3" Thick Calcium Silicate Insulation	65.78	7.60
		For Work In Restricted Working Space, Add	*5.70*	
23 07 19 00-0081	LF	12" Diameter Pipe, 3" Thick Calcium Silicate Insulation	75.37	9.44
		For Work In Restricted Working Space, Add	*7.08*	
23 07 19 00-0082	LF	14" Diameter Pipe, 3" Thick Calcium Silicate Insulation	83.82	10.31
		For Work In Restricted Working Space, Add	*7.73*	
23 07 19 00-0083	LF	16" Diameter Pipe, 3" Thick Calcium Silicate Insulation	97.07	13.18
		For Work In Restricted Working Space, Add	*9.88*	
23 07 19 00-0084	LF	18" Diameter Pipe, 3" Thick Calcium Silicate Insulation	105.01	13.83
		For Work In Restricted Working Space, Add	*10.37*	
23 07 19 00-0085	LF	20" Diameter Pipe, 3" Thick Calcium Silicate Insulation	123.30	15.82
		For Work In Restricted Working Space, Add	*11.86*	
23 07 19 00-0086	LF	24" Diameter Pipe, 3" Thick Calcium Silicate Insulation	145.49	19.11
		For Work In Restricted Working Space, Add	*14.33*	

23 07 19 00-0087 3-1/2" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0088	LF	1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	35.43	4.72
		For Work In Restricted Working Space, Add	*3.54*	
23 07 19 00-0089	LF	3/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	36.92	4.72
		For Work In Restricted Working Space, Add	*3.54*	
23 07 19 00-0090	LF	1" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	37.00	4.75
		For Work In Restricted Working Space, Add	*3.57*	
23 07 19 00-0091	LF	1-1/4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	37.08	4.79
		For Work In Restricted Working Space, Add	*3.59*	
23 07 19 00-0092	LF	1-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	38.33	4.85
		For Work In Restricted Working Space, Add	*3.64*	
23 07 19 00-0093	LF	2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	40.79	5.01
		For Work In Restricted Working Space, Add	*3.76*	
23 07 19 00-0094	LF	2-1/2" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	44.53	5.19
		For Work In Restricted Working Space, Add	*3.89*	
23 07 19 00-0095	LF	3" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	46.11	5.37
		For Work In Restricted Working Space, Add	*4.03*	
23 07 19 00-0096	LF	4" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	52.93	5.68
		For Work In Restricted Working Space, Add	*4.26*	
23 07 19 00-0097	LF	6" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	58.95	6.45
		For Work In Restricted Working Space, Add	*4.83*	
23 07 19 00-0098	LF	8" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	72.40	7.18
		For Work In Restricted Working Space, Add	*5.39*	
23 07 19 00-0099	LF	10" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	88.38	8.28
		For Work In Restricted Working Space, Add	*6.21*	
23 07 19 00-0100	LF	12" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	106.76	10.30
		For Work In Restricted Working Space, Add	*7.73*	
23 07 19 00-0101	LF	14" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	112.11	11.24
		For Work In Restricted Working Space, Add	*8.43*	
23 07 19 00-0102	LF	16" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	129.58	14.37
		For Work In Restricted Working Space, Add	*10.78*	
23 07 19 00-0103	LF	18" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	150.15	15.09
		For Work In Restricted Working Space, Add	*11.32*	
23 07 19 00-0104	LF	20" Diameter Pipe, 3-1/2" Thick Calcium Silicate Insulation	161.13	17.26
		For Work In Restricted Working Space, Add	*12.95*	

23 07 19 00-0105 4" Thick, Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 07 19 00-0106	LF	1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.84	5.25
		For Work In Restricted Working Space, Add	*3.94*	
23 07 19 00-0107	LF	3/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	44.89	5.25
		For Work In Restricted Working Space, Add	*3.94*	
23 07 19 00-0108	LF	1" Diameter Pipe, 4" Thick Calcium Silicate Insulation	45.12	5.34
		For Work In Restricted Working Space, Add	*4.01*	
23 07 19 00-0109	LF	1-1/4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	46.44	5.40
		For Work In Restricted Working Space, Add	*4.05*	
23 07 19 00-0110	LF	1-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	49.32	5.57
		For Work In Restricted Working Space, Add	*4.18*	
23 07 19 00-0111	LF	2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	50.29	5.74
		For Work In Restricted Working Space, Add	*4.31*	
23 07 19 00-0112	LF	2-1/2" Diameter Pipe, 4" Thick Calcium Silicate Insulation	55.32	5.83
		For Work In Restricted Working Space, Add	*4.37*	
23 07 19 00-0113	LF	3" Diameter Pipe, 4" Thick Calcium Silicate Insulation	56.88	6.04
		For Work In Restricted Working Space, Add	*4.53*	
23 07 19 00-0114	LF	4" Diameter Pipe, 4" Thick Calcium Silicate Insulation	65.01	6.39
		For Work In Restricted Working Space, Add	*4.79*	
23 07 19 00-0115	LF	6" Diameter Pipe, 4" Thick Calcium Silicate Insulation	75.34	7.24
		For Work In Restricted Working Space, Add	*5.43*	
23 07 19 00-0116	LF	8" Diameter Pipe, 4" Thick Calcium Silicate Insulation	90.28	8.08
		For Work In Restricted Working Space, Add	*6.06*	
23 07 19 00-0117	LF	10" Diameter Pipe, 4" Thick Calcium Silicate Insulation	103.92	9.33
		For Work In Restricted Working Space, Add	*7.00*	
23 07 19 00-0118	LF	12" Diameter Pipe, 4" Thick Calcium Silicate Insulation	117.45	11.58
		For Work In Restricted Working Space, Add	*8.69*	
23 07 19 00-0119	LF	14" Diameter Pipe, 4" Thick Calcium Silicate Insulation	124.62	12.66
		For Work In Restricted Working Space, Add	*9.50*	
23 07 19 00-0120	LF	16" Diameter Pipe, 4" Thick Calcium Silicate Insulation	146.46	16.18
		For Work In Restricted Working Space, Add	*12.14*	
23 07 19 00-0121	LF	18" Diameter Pipe, 4" Thick Calcium Silicate Insulation	155.99	16.96
		For Work In Restricted Working Space, Add	*12.72*	
23 07 19 00-0122	LF	20" Diameter Pipe, 4" Thick Calcium Silicate Insulation	172.05	19.41
		For Work In Restricted Working Space, Add	*14.56*	

23 07 19 00-0123 Weather-Protective Coating For Calcium Silicate Pipe Insulation *(23 07 19 00-0001)*

23 07 19 00-0124	SF	1/4" Thick (Two 1/8" Coats), Weatherproof Coating Over Glass Cloth Mesh (Insulkote ET)	4.29	
		For Work In Restricted Working Space, Add	*0.83*	

23 08 Commissioning of HVAC *(23)*

See CSI section 23 05 93 00-0000 for testing and balancing.

23 09 Instrumentation and Control for HVAC *(23)*

23 09 23 Direct-Digital Control System for HVAC *(23 09)*

23 09 23 11 Control Valves *(23 09 23)*

23 09 23 11-0001 Valves With Actuator *(23 09 23 11)*

23 09 23 11-0002	EA	1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G215+NV24-MFT US)	530.40	13.08
23 09 23 11-0003	EA	3/4" 2-Way Bronze Globe Valve With Actuator (Belimo G220+NV24-MFT US)	549.93	17.64
23 09 23 11-0004	EA	1" 2-Way Bronze Globe Valve With Actuator (Belimo B225+NV24-MFT US)	602.58	21.35
23 09 23 11-0005	EA	1-1/4" 2-Way Bronze Globe Valve With Actuator (Belimo B232+NV24-MFT US)	658.85	27.04
23 09 23 11-0006	EA	1-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G240+NV24-MFT US)	750.62	31.20
23 09 23 11-0007	EA	2" 2-Way Bronze Globe Valve With Actuator (Belimo G250+NV24-MFT US)	848.89	36.87
23 09 23 11-0008	EA	2-1/2" 2-Way Bronze Globe Valve With Actuator (Belimo G665+GMX24-MFTX1)	1,589.27	73.74
23 09 23 11-0009	EA	3" 2-Way Bronze Globe Valve With Actuator (Belimo G680+GMX24-MFTX1)	1,725.08	86.29
23 09 23 11-0010	EA	4" 2-Way Bronze Globe Valve With Actuator (Belimo G6100C+GMX24-MFTX1)	2,332.02	126.74
23 09 23 11-0011	EA	5" 2-Way Bronze Globe Valve With Actuator (Belimo G6125C+GMX24-MFTX1)	3,429.13	183.17
23 09 23 11-0012	EA	6" 2-Way Bronze Globe Valve With Actuator (Belimo G6150C+GMX24-MFTX1)	3,798.24	202.79
23 09 23 11-0013	EA	1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G315+NV24-MFT US)	572.53	19.62
23 09 23 11-0014	EA	3/4" 3-Way Bronze Globe Valve With Actuator (Belimo G320+NV24-MFT US)	592.30	26.45
23 09 23 11-0015	EA	1" 3-Way Bronze Globe Valve With Actuator (Belimo G325+NV24-MFT US)	642.83	32.02
23 09 23 11-0016	EA	1-1/4" 3-Way Bronze Globe Valve With Actuator (Belimo G332+NV24-MFT US)	714.37	40.56
23 09 23 11-0017	EA	1-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G340+NV24-MFT US)	915.74	46.80
23 09 23 11-0018	EA	2" 3-Way Bronze Globe Valve With Actuator (Belimo G350+NV24-MFT US)	1,017.01	55.31
23 09 23 11-0019	EA	2-1/2" 3-Way Bronze Globe Valve With Actuator (Belimo G765+GMX24-MFTX1)	1,800.79	110.62
23 09 23 11-0020	EA	3" 3-Way Bronze Globe Valve With Actuator (Belimo G780+GMX24-MFTX1)	1,982.11	129.44
23 09 23 11-0021	EA	4" 3-Way Bronze Globe Valve With Actuator (Belimo G7100+2*GMX24-MFTX1)	2,885.01	190.11
23 09 23 11-0022	EA	5" 3-Way Bronze Globe Valve With Actuator (Belimo G7125+2*GMX24-MFTX1)	4,184.27	274.74
23 09 23 11-0023	EA	6" 3-Way Bronze Globe Valve With Actuator (Belimo G7150+2*GMX24-MFTX1)	4,651.13	304.19
23 09 23 11-0024	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE215N-35+ZONE24NC)	112.46	13.08
23 09 23 11-0025	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE220N-50+ZONE24NC)	132.78	17.64
23 09 23 11-0026	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE225N-80+ZONE24NC)	167.22	21.35
23 09 23 11-0027	EA	1/2" Two Way Brass Zone Valve With Actuator (Belimo ZONE315N-35+ZONE24NC)	137.77	19.62
23 09 23 11-0028	EA	3/4" Two Way Brass Zone Valve With Actuator (Belimo ZONE320N-50+ZONE24NC)	161.22	26.45
23 09 23 11-0029	EA	1" Two Way Brass Zone Valve With Actuator (Belimo ZONE325N-80+ZONE24NC)	201.58	32.02
23 09 23 11-0030	EA	1/2" 2-Way Brass Ball Valve With Actuator (Belimo B215B+LRB24-3)	186.64	13.08
23 09 23 11-0031	EA	3/4" 2-Way Brass Ball Valve With Actuator (Belimo B220B+LRB24-3)	221.38	17.64
23 09 23 11-0032	EA	1" 2-Way Brass Ball Valve With Actuator (Belimo B225+LRB24-3)	251.89	21.35

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0033	EA	1-1/4" 2-Way Brass Ball Valve With Actuator (Belimo B232+ARB24-3)	327.69	27.03
23 09 23 11-0034	EA	1-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B240+ARB24-3)	339.14	31.20
23 09 23 11-0035	EA	2" 2-Way Brass Ball Valve With Actuator (Belimo B250+ARB24-3)	431.88	36.87
23 09 23 11-0036	EA	2-1/2" 2-Way Brass Ball Valve With Actuator (Belimo B265+ARB24-3)	927.46	73.74
23 09 23 11-0037	EA	3" 2-Way Brass Ball Valve With Actuator (Belimo B280+ARB24-3)	1,088.91	86.29
23 09 23 11-0038	EA	1/2" 3-Way Brass Ball Valve With Actuator (Belimo B315B+LRB24-3)	226.37	19.62
23 09 23 11-0039	EA	3/4" 3-Way Brass Ball Valve With Actuator (Belimo B320B+LRB24-3)	261.99	26.45
23 09 23 11-0040	EA	1" 3-Way Brass Ball Valve With Actuator (Belimo B325+LRB24-3)	338.01	32.02
23 09 23 11-0041	EA	1-1/4" 3-Way Brass Ball Valve With Actuator (Belimo B331+ARB24-3)	479.32	40.56
23 09 23 11-0042	EA	1-1/2" 3-Way Brass Ball Valve With Actuator (Belimo B341+ARB24-3)	505.52	46.80
23 09 23 11-0043	EA	2" 3-Way Brass Ball Valve With Actuator (Belimo B352+ARB24-3)	669.59	55.31
23 09 23 11-0044	EA	2" 2-Way Butterfly Valve With Actuator (Belimo F650HD+AMB24-3X1)	547.98	67.60
23 09 23 11-0045	EA	2-1/2" 2-Way Butterfly Valve With Actuator (Belimo F665HD+AMB24-3X1)	575.55	73.74
23 09 23 11-0046	EA	3" 2-Way Butterfly Valve With Actuator (Belimo F680HD+GMB24-3X1)	756.09	86.29
23 09 23 11-0047	EA	4" 2-Way Butterfly Valve With Actuator (Belimo F6100HD+2*GMB24-3X1)	1,155.15	144.85
23 09 23 11-0048	EA	5" 2-Way Butterfly Valve With Actuator (Belimo F6125HD+SY2-24)	2,319.95	183.17
23 09 23 11-0049	EA	6" 2-Way Butterfly Valve With Actuator (Belimo F6150HD+SY3-24)	2,448.10	202.79
23 09 23 11-0050	EA	8" 2-Way Butterfly Valve With Actuator (Belimo F6200HD+SY4-24)	3,327.86	231.76
23 09 23 11-0051	EA	10" 2-Way Butterfly Valve With Actuator (Belimo F6250HD+SY4-24)	4,082.98	283.91
23 09 23 11-0052	EA	12" 2-Way Butterfly Valve With Actuator (Belimo F6300HS+SY4-24)	5,045.66	344.13
23 09 23 11-0053	EA	14" 2-Way Butterfly Valve With Actuator (Belimo F6350HD+SY5-24)	5,607.99	405.57
23 09 23 11-0054	EA	16" 2-Way Butterfly Valve With Actuator (Belimo F6400HD+SY6-110)	7,412.18	446.13
23 09 23 11-0055	EA	18" 2-Way Butterfly Valve With Actuator (Belimo F6450HD+SY8-110)	8,981.22	495.61
23 09 23 11-0056	EA	2" 3-Way Butterfly Valve With Actuator (Belimo F750HD+AMB24-3X1)	1,011.47	101.40
23 09 23 11-0057	EA	2-1/2" 3-Way Butterfly Valve With Actuator (Belimo F765HD+GMB24-3X1)	1,191.09	110.62
23 09 23 11-0058	EA	3" 3-Way Butterfly Valve With Actuator (Belimo F780HD+2*GMB24-3X1)	1,470.12	129.44
23 09 23 11-0059	EA	4" 3-Way Butterfly Valve With Actuator (Belimo F7100HD+2*GMB24-3X1)	1,888.22	217.27
23 09 23 11-0060	EA	5" 3-Way Butterfly Valve With Actuator (Belimo F7125HD+SY3-24)	3,859.97	274.74
23 09 23 11-0061	EA	6" 3-Way Butterfly Valve With Actuator (Belimo F7150HD+SY3-24)	3,997.25	304.19
23 09 23 11-0062	EA	8" 3-Way Butterfly Valve With Actuator (Belimo F7200HD+SY4-24)	5,037.51	347.67
23 09 23 11-0063	EA	10" 3-Way Butterfly Valve With Actuator (Belimo F7250HD+SY4-24)	6,666.66	425.85
23 09 23 11-0064	EA	12" 3-Way Butterfly Valve With Actuator (Belimo F7300HD+SY5-24)	8,103.23	516.19
23 09 23 11-0065	EA	14" 3-Way Butterfly Valve With Actuator (Belimo F7350HD+SY6-110)	12,637.38	608.36
23 09 23 11-0066	EA	16" 3-Way Butterfly Valve With Actuator (Belimo F7400HD+SY7-110)	14,090.97	669.20
23 09 23 11-0067	EA	18" 3-Way Butterfly Valve With Actuator (Belimo F7450HD+SY8-110)	21,675.83	743.42

23 09 23 11-0068 Valve Actuators *(23 09 23 11)*

23 09 23 11-0069	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-T)	389.66	83.77
23 09 23 11-0070	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 95 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3)	395.48	83.77
23 09 23 11-0071	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, Terminal Strip, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR-T)	444.12	83.77
23 09 23 11-0072	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-3-S)	443.79	83.77
23 09 23 11-0073	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-SR)	452.28	83.77
23 09 23 11-0074	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT)	508.02	83.77
23 09 23 11-0075	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-1)	545.74	83.77
23 09 23 11-0076	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 150 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX24-MFT95)	556.10	83.77
23 09 23 11-0077	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, 2.5 Seconds Run Time, 35 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRQX24-MFT)	581.10	83.77
23 09 23 11-0078	EA	120 Volt AC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-3)	433.53	83.77
23 09 23 11-0079	EA	120 Volt AC Power Supply, 2-10 Volt DC Control Input, 90 Seconds Run Time, 45 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo LRX120-SR)	485.98	83.77
23 09 23 11-0080	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Terminal Strip, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-T)	480.40	83.77
23 09 23 11-0081	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3)	488.91	83.77
23 09 23 11-0082	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARB24-3-5-14)	492.09	83.77
23 09 23 11-0083	EA	24 Volt AC/DC Power Supply, On/Off/Floating Point Control Input, Auxiliary Switch, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-3-S)	549.95	83.77
23 09 23 11-0084	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T)	574.90	83.77
23 09 23 11-0085	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR)	588.15	83.77
23 09 23 11-0086	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, Variable Run Time (90 To 350 Seconds), 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT)	585.52	83.77
23 09 23 11-0087	EA	24 Volt AC/DC Power Supply, Phasecut Control Input, 95 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-PC)	594.00	83.77
23 09 23 11-0088	EA	24 Volt AC/DC Power Supply, 0-135 Ohms Control Input, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT95)	593.47	83.77
23 09 23 11-0089	EA	24 Volt AC/DC Power Supply, 2-10 Volt DC Control Input, NEMA 4X, 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-SR-T N4)	648.52	83.77
23 09 23 11-0090	EA	24 Volt AC/DC Power Supply, Proportional/Multi-Function Control Input, NEMA 4X, Variable Run Time (75 To 350 Seconds), 160 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX24-MFT-T N4)	787.75	83.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 11-0091	EA	100-240 Volt AC Power Supply, On/Off/Floating Point Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-3)	521.28	83.77
23 09 23 11-0092	EA	100-240 Volt AC Power Supply, 2-10 Volt DC Control Input, 300, 150, Or 90 Seconds Run Time, 180 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo ARX120-SR)	623.21	83.77
23 09 23 11-0093	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 15 Seconds Run Time, 801 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY2-24)	1,422.58	83.77
23 09 23 11-0094	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 1,335 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY3-24)	1,596.67	83.77
23 09 23 11-0095	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 16 Seconds Run Time, 3,560 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY4-24)	1,918.86	83.77
23 09 23 11-0096	EA	24 Volt AC/DC Power Supply, On/Off Control Input, 22 Seconds Run Time, 4,450 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY5-24)	2,175.24	83.77
23 09 23 11-0097	EA	120 Volt AC Power Supply, On/Off Control Input, 28 Seconds Run Time, 5,785 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY6-110)	2,577.05	83.77
23 09 23 11-0098	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 8,900 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY7-110)	3,037.79	83.77
23 09 23 11-0099	EA	120 Volt AC Power Supply, On/Off Control Input, 46 Seconds Run Time, 13,350 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY8-110)	4,097.26	83.77
23 09 23 11-0100	EA	120 Volt AC Power Supply, On/Off Control Input, 58 Seconds Run Time, 17,800 IN-LB, Direct Coupled, Non-Spring Return, Valve Actuator (Belimo SY9-110)	5,004.38	83.77

23 09 23 12 Control Dampers *(23 09 23)*

23 09 23 12-0001 Rectangular Galvanized Volume Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0002	EA	8" x 8" Low Leakage Volume Control Damper (Johnson Controls VOPSN-008X008)	146.63	30.28
23 09 23 12-0003	EA	10" x 10" Low Leakage Volume Control Damper (Johnson Controls VOPSN-010X010)	165.06	33.20
23 09 23 12-0004	EA	12" x 12" Low Leakage Volume Control Damper (Johnson Controls VOPSN-012X012)	184.44	36.62
23 09 23 12-0005	EA	14" x 14" Low Leakage Volume Control Damper (Johnson Controls VOPSN-014X014)	213.41	42.97
23 09 23 12-0006	EA	16" x 16" Low Leakage Volume Control Damper (Johnson Controls VOPSN-016X016)	241.39	48.83
23 09 23 12-0007	EA	18" x 18" Low Leakage Volume Control Damper (Johnson Controls VOPSN-018X018)	245.47	54.93
23 09 23 12-0008	EA	20" x 20" Low Leakage Volume Control Damper (Johnson Controls VOPSN-020X020)	299.73	61.04
23 09 23 12-0009	EA	24" x 24" Low Leakage Volume Control Damper (Johnson Controls VOPSN-024X024)	358.03	73.24
23 09 23 12-0010	EA	32" x 32" Low Leakage Volume Control Damper (Johnson Controls VOPSN-032X032)	457.72	85.44
23 09 23 12-0011	EA	48" x 48" Low Leakage Volume Control Damper (Johnson Controls VOPSN-048X048)	672.64	97.65
23 09 23 12-0012	EA	60" x 60" Low Leakage Volume Control Damper (Johnson Controls VOPSN-060X060)	1,217.12	109.86
23 09 23 12-0013	EA	72" x 72" Low Leakage Volume Control Damper (Johnson Controls VOPSN-072X072)	1,541.91	122.07

23 09 23 12-0014 Round Galvanized Control Dampers *(23 09 23 12)*

Note: Excludes actuators.

23 09 23 12-0015	EA	6" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG06)	143.61	34.18
23 09 23 12-0016	EA	8" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG08)	148.57	36.62
23 09 23 12-0017	EA	10" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG10)	154.60	36.62
23 09 23 12-0018	EA	12" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG12)	171.82	41.51
23 09 23 12-0019	EA	14" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG14)	194.19	41.51
23 09 23 12-0020	EA	16" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG16)	211.56	48.83
23 09 23 12-0021	EA	18" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG18)	283.91	51.39
23 09 23 12-0022	EA	20" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG20)	296.70	53.27
23 09 23 12-0023	EA	22" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG22)	315.12	57.43
23 09 23 12-0024	EA	24" Diameter Round Low Leakage Volume Control Damper (Johnson Controls RCG24)	333.88	61.59

23 09 23 12-0025 Remote Damper Control *(23 09 23 12)*

23 09 23 12-0026	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-275B)	215.27	
		For Each 10' Flexible Casing And Wire, Add	*26.40*	
23 09 23 12-0027	EA	Remote Cable Control Concealed Ceiling Regulator For Damper (Young Regulator Co. 270-301B)	220.67	
		For Each 10' Flexible Casing And Wire, Add	*26.40*	

23 09 23 12-0028 Control Damper Actuators *(23 09 23 12)*

23 09 23 12-0029	EA	44 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo LMB24-SR)	426.58	80.68
23 09 23 12-0030	EA	90 IN-LB, 24 Volt AC/DC, 4-20mA, 2-10 Volt DC, Proportional Control, Non Spring Return Direct Coupled Control Damper Actuator (Belimo NMB24-SR)	463.20	80.68
23 09 23 12-0031	EA	90 IN-LB, 2 Position, 24 To 240 Volt AC Spring Return Direct Coupled Control Damper Actuator (Belimo NFBUP)	523.18	80.68
23 09 23 12-0032	EA	175 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo AMB24-SR)	551.84	80.68
23 09 23 12-0033	EA	90 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Spring Return Direct Coupled Control Damper Actuator (Belimo NFB24-SR)	568.85	80.68
23 09 23 12-0034	EA	360 IN-LB, 24 Volt AC, 4-20mA, 2-10 Volt DC, Proportional Control, Non-Spring Return Direct Coupled Control Damper Actuator (Belimo GMB24-SR)	635.72	80.68

23 09 23 13 Energy Meters *(23 09 23)*

23 09 23 13-0001 Surge Protectors *(23 09 23 13)*

23 09 23 13-0002	EA	Surge Protector, T100's, Summit, BCU, UPCM, PCM, TCM (Transtector TR2255)	231.89	8.55
23 09 23 13-0003	EA	Surge Protector, 1AC Outlet (Transtector TR2251)	176.35	8.55
23 09 23 13-0004	EA	Surge Protector, 2 AC Outlets (Transtector TR2254)	271.93	8.55
23 09 23 13-0005	EA	Surge Protector, DB-15 Connection (Transtector TR2259-DLP15)	149.22	8.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 13-0006	EA	Surge Protector, DB-25 Connection (Transtector TR2259-DLP25)	149.22	8.55
23 09 23 13-0007	EA	Surge Protector, DB-9 Connection (Transtector TR2259-DLP9)	149.22	8.55
23 09 23 13-0008	EA	Surge Protector, Individual Wire Connection (Transtector TR2258)	213.82	8.55
23 09 23 13-0009	EA	Surge Protector, Trane Communication Links (Transtector TR2257)	133.72	8.55

23 09 23 14 Flow Instruments *(23 09 23)*

23 09 23 14-0001 Water Flow Meters *(23 09 23 14)*

23 09 23 14-0002	EA	Insertion Electromagnetic Water Flow Meter (Onicon F-3500) Note: Excludes pipe fittings.	3,439.91	89.61

23 09 23 14-0003 Air Flow Monitoring Stations *(23 09 23 14)*

23 09 23 14-0004	EA	Analog Transmitter, 2 Point, 3 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 36" x 24" typical duct size.	2,702.91	93.75
23 09 23 14-0005	EA	Analog Transmitter, 3 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 48" x 36" typical duct size.	3,863.37	93.75
23 09 23 14-0006	EA	Analog Transmitter, 4 Point, 4 Sensor Air Flow Monitoring Station (Ebtron GTA116) Note: 10' cable, 60" x 48" typical duct size.	4,798.37	93.75

23 09 23 16 Gas Instruments *(23 09 23)*

23 09 23 16-0001 Gas Sensors *(23 09 23 16)*

23 09 23 16-0002	EA	6-1/4" x 6-1/8" CO2 Sensor, 0-2,000 ppm (Kele WCO-1B)	1,438.34	51.29
23 09 23 16-0003	EA	Wall Mounted CO2 Sensor, 0-2,000 ppm With LCD Display (Kele CD-AW-LCD)	642.61	34.20
23 09 23 16-0004	EA	CO Monitor/Transmitter, 0 To 250 ppm (Kele GMT-CO-S2) Note: Solid state sensor.	1,149.52	51.29
23 09 23 16-0005	EA	CO2 Transmitter, Duct Mount, No Display, 0-10 Volt DC Out, 24 Volt AC/Volt DC, 0-10 Or 4-20mA, 0-2,000 ppm Range With CD-AD Duct Probe Assembly (CDE CD-AD-LCD; CD-AD)	644.66	61.55

23 09 23 19 Moisture Instruments *(23 09 23)*

23 09 23 19-0001 Relative Humidity Sensors *(23 09 23 19)*

23 09 23 19-0002	EA	3% Duct Mounted RH Sensor (Kele HD30K)	415.78	61.55
23 09 23 19-0003	EA	10K Ohm Thermistor 3% Duct Mounted RH Sensor (Kele HD30K-T3)	426.10	61.55
23 09 23 19-0004	EA	3% RH Outdoor Air Sensor (Kele HO30K)	492.06	85.48
23 09 23 19-0005	EA	2% Surface Mounted RH Transmitter (Kele HW20K)	363.15	34.20

23 09 23 21 Motion Instruments *(23 09 23)*

23 09 23 21-0001 Peco Motion Sensors *(23 09 23 21)*

23 09 23 21-0002	EA	Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SA200-001)	136.81	24.04
23 09 23 21-0003	EA	Wall/Ceiling Mount Passive Infrared, 24 Volt, Slave Motion Sensor (Peco SB200-001)	134.35	24.04
23 09 23 21-0004	EA	Wall/Ceiling Passive Infrared, 24 Volt, Master Motion Sensor (Peco SD200-001)	175.66	24.04
23 09 23 21-0005	EA	Wall/Ceiling Mount, Passive Infrared, 24 Volt, Master Time Sensor (Peco SD200-002)	157.43	24.04
23 09 23 21-0006	EA	Door Switch Occupancy Sensor (Peco SE200-001)	57.24	24.04
23 09 23 21-0007	EA	Window Switch Occupancy Sensor (Peco SE200-002)	53.85	24.04
23 09 23 21-0008	EA	Power Pack And Controller (Peco SF200-001)	88.78	24.04

23 09 23 23 Pressure Instruments *(23 09 23)*

23 09 23 23-0001 Pressure Sensors *(23 09 23 23)*

23 09 23 23-0002	EA	0 To 0.5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-005)	548.48	72.19
23 09 23 23-0003	EA	0 To 5" W.C., Differential Pressure Transmitters With NEMA 1 Case (Kele T30-050)	493.03	72.19
23 09 23 23-0004	EA	0.05 To 12" W.C., Adjustable Differential Pressure Switches (Kele AFS-222)	224.71	72.19
23 09 23 23-0005	EA	0.05 To 2" W.C., Adjustable Differential Pressure Switches (Kele AFS-262)	231.15	72.19
23 09 23 23-0006	EA	0.4 To 2" W.C., Manual Reset Adjustable Differential Pressure Switches (Kele AFS-460)	243.76	72.19
23 09 23 23-0007	EA	0.05 To 12" W.C., 1/8" NPT, Adjustable Differential Pressure Switches (Kele AFS-145)	229.29	72.19
23 09 23 23-0008	EA	0 To 100 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P210D-BVA) Note: Excludes pipe fittings.	1,898.26	72.19
23 09 23 23-0009	EA	0 To 60 psid, Bypass Valve Assembly Option, Water Differential Pressure Transmitter (Kele 360C-P160D-BVA) Note: Excludes pipe fittings.	1,898.26	72.19
23 09 23 23-0010	EA	Magnahelic Gauge	559.10	44.13

23 09 23 27 Temperature Instruments *(23 09 23)*

23 09 23 27-0001 Air Temperature Sensors *(23 09 23 27)*

23 09 23 27-0002	EA	10K Ohm Thermistor Duct Temperature Sensor (Kele ST-D24)	177.98	61.55
23 09 23 27-0003	EA	10K Ohm Thermistor Duct Temperature Sensor, 1/2" LB Conduit Fitting (Kele ST-D24-XCO)	233.43	61.55
23 09 23 27-0004	EA	10K Ohm Thermistor Duct Temperature Sensor With Greenfield Fitting (Kele ST-D24-XG)	184.36	61.55
23 09 23 27-0005	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing (Kele ST-D24-XH)	190.90	61.55
23 09 23 27-0006	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 18" Probe (Kele ST-D24-XH-XL18)	193.08	61.55
23 09 23 27-0007	EA	10K Ohm Thermistor Duct Temperature Sensor With Handibox Housing, 6" Probe (Kele ST-D24-XH-XL6)	190.93	61.55
23 09 23 27-0008	EA	10K Ohm Thermistor Duct Temperature Sensor With Non Metallic Handibox Housing (Kele ST-D24-XHP)	192.08	61.55
23 09 23 27-0009	EA	10K Ohm Thermistor Duct Temperature Sensor With 4" Probe (Kele ST-D24-XL4)	203.10	61.55
23 09 23 27-0010	EA	10K Ohm Thermistor Duct Temperature Sensor With Weatherproof Housing (Kele ST-D24-XW)	212.73	61.55

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 27-0011	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor (Kele ST-O24)	264.67	85.48
23 09 23 27-0012	EA	10K Ohm Thermistor Outdoor Air Temperature Sensor With 25' Lead (Kele ST-O24-XC25)	272.08	85.48
23 09 23 27-0013	EA	Delta Style Surface Mounted 10K Ohm Thermistor Room Temperature Sensor (Kele BA/10K3-R-N-DF)	116.81	34.20
23 09 23 27-0014	EA	Delta Style Surface Mounted AD592 Room Temperature Sensor (Kele BA/592-10K-R)	119.53	34.20
23 09 23 27-0015	EA	Stainless Steel Plate 1K Ohm Room Temperature Sensor (Kele BA/1K8-SP)	112.36	34.20

23 09 23 27-0016 Water Temperature Sensors *(23 09 23 27)*

23 09 23 27-0017	EA	5" Immersion 20K Ohm Water Temp Sensor (Honeywell C7041D2001)	140.02	66.15
23 09 23 27-0018	EA	Strap-On 20K Ohm Water Temp Sensor (Honeywell C7041K2005)	330.66	66.15

23 09 23 27-0019 Peco Thermostats *(23 09 23 27)*

23 09 23 27-0020	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat With Humidification/Dehumidification Control (Peco T12532-IAQ)	288.20	16.03
23 09 23 27-0021	EA	3 Heating Stage, 2 Cooling Stage Programmable Thermostat (Peco T12532-001)	259.95	16.03

23 09 23 53 Proprietary Control Systems *(23 09 23)*

23 09 23 53-0001 EMCS General Costs *(23 09 23 53)*

23 09 23 53-0002 EMCS System Design Engineering *(23 09 23 53-0001)*

Note: Hourly labor rates are used for engineering projects only. Not used in conjunction with construction tasks.

23 09 23 53-0003	HR	EMCS Site Inspection Of Existing Facilities	264.47	
23 09 23 53-0004	HR	EMCS Engineering Project Management	264.47	
23 09 23 53-0005	HR	EMCS System Engineering, Schematic Design And Layout	280.50	
23 09 23 53-0006	HR	EMCS System Software Programming And Graphics Programming	280.50	
23 09 23 53-0007	HR	EMCS Graphics Picture Creation	180.38	
23 09 23 53-0008	HR	EMCS System Controls Training	264.47	
23 09 23 53-0009	HR	EMCS On Site System Diagnostics Field Technician	264.47	
23 09 23 53-0010	HR	EMCS Remote Technical Support Using Phone Or Internet	220.45	
23 09 23 53-0011	HR	EMCS Travel Time (All Personnel)	228.47	

23 09 23 53-0012 Field Tests, Checkout And Commissioning *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0013	PNT	EMCS Field Test Note: Priced per point.	140.30	
23 09 23 53-0014	PNT	EMCS Field Checkout And Startup Note: Priced per point.	140.30	
23 09 23 53-0015	PNT	EMCS Field Commissioning Note: Priced per point.	140.30	
23 09 23 53-0016	EA	EMCS Field Balance Support Note: Priced per controller.	120.21	

23 09 23 53-0017 EMCS System Engineering/Submittal Design And Layout *(23 09 23 53-0001)*

Note: A point is defined as any transmitter, switch, actuator, sensor or device (starter, VFD, controller, fan, electric coil, actuator, valve, etc.) that is monitored or controlled by the EMCS system. Most devices count as 1 point. Actuators, valves and thermostats count as 2 points.

23 09 23 53-0018	PNT	EMCS System Engineering/Submittal Design And Layout Note: Priced per point.	46.80	

23 09 23 53-0019 Alerton Controls *(23 09 23 53)*

23 09 23 53-0020	EA	50 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-SMALL)	9,111.54	
23 09 23 53-0021	EA	150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-MEDIUM)	11,779.98	
23 09 23 53-0022	EA	Dashboard Option, 150 Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-MEDIUM)	30,210.75	
23 09 23 53-0023	EA	Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-LARGE)	22,598.04	
23 09 23 53-0024	EA	Dashboard Option, Unlimited Devices, 1 WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-LARGE)	58,658.21	
23 09 23 53-0025	EA	Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-ENTERPRISE)	46,204.63	
23 09 23 53-0026	EA	Dashboard Option, Unlimited Devices, SQL Derver Interface, Unlimited WEBtalk VM, Alerton Building Suite 3 (Alerton ABS-3-D-ENTERPRISE)	70,678.25	
23 09 23 53-0027	EA	Alerton Building Suite Tech License (Alerton ABS-3-TECH)	1,935.85	
23 09 23 53-0028	EA	Enterprise Edition With SQL Server Support, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-ENT1)	26,652.80	
23 09 23 53-0029	EA	Unlimited Controllers, Unlimited Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-LRG)	19,428.74	
23 09 23 53-0030	EA	150 Controllers, 3 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-MED)	11,723.90	
23 09 23 53-0031	EA	50 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-SM)	7,144.25	
23 09 23 53-0032	EA	10 Controllers, 1 Workstation, Envision for BACtalk v2.6 (Alerton ENV-BT-2.6-XS)	2,728.71	
23 09 23 53-0033	EA	1 Ethernet, 1 MS/TP, BACtalk Control Module (Alerton 715000100)	4,968.46	256.46
23 09 23 53-0034	EA	Foreign Protocol Converter For P1 Systems, BACtalk Control Module (Alerton BCM-FPCS)	7,352.75	341.95
23 09 23 53-0035	EA	Modbus Gateway, BACtalk Control Module (Alerton BCM-MDBS)	7,254.98	341.95
23 09 23 53-0036	EA	V.90/56K Modem, BACtalk Control Module (Alerton BCM-MDM)	2,604.50	256.46
23 09 23 53-0037	EA	1 MS/TP, BACtalk Control Module (Alerton 715000300)	3,177.46	256.46
23 09 23 53-0038	EA	Power Supply, BACtalk Control Module (Alerton BCM-PWS)	2,428.20	256.46
23 09 23 53-0039	EA	1 TUX Trunk, BACtalk Control Module (Alerton BCM-TUX)	3,046.05	256.46
23 09 23 53-0040	EA	Web Server And Configurator CD, BACtalk Control Module (Alerton BCM-WEB)	7,348.42	256.46
23 09 23 53-0041	EA	BACtalk Field Level Gateway For Modbus (Alerton FLG-MODBUS)	3,276.35	341.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0042	EA	EXP BACnet Controller (Alerton VLX)	7,229.83	683.89
23 09 23 53-0043	EA	VLX BACnet High Performance Controller (Alerton VLX-PLATINUM)	8,483.94	683.89
23 09 23 53-0044	EA	Multiple Segment MS/TP Repeater (Alerton MSTP-REP)	1,125.19	76.15
23 09 23 53-0045	EA	4 Inputs, 2 Flow Transducers, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD)	2,103.67	256.46
23 09 23 53-0046	EA	4 Inputs, 2 Flow Transducers, 3 Binary Triac Outputs, 4 Ground-Switching Binary Triac Outputs, Dual-Duct VAV Controller (Alerton VAV-DD7)	2,235.90	256.46
23 09 23 53-0047	EA	4 Inputs, 1 Flow Transducers, 3 Hot-Switching Binary Triac Outputs, 2 Ground-Switching Binary Triac Outputs, Single-Duct VAV Controller (Alerton VAV-SD)	1,779.13	256.46
23 09 23 53-0048	EA	4 Universal Inputs, 5 Binary Outputs, 2 Analog Outputs, Single-Duct VAV Controller (Alerton VAV-SD2A)	1,963.45	256.46
23 09 23 53-0049	EA	5 Universal Inputs, 6 Binary Outputs, Integral Honeywell Actuator, Single-Duct VAV Controller (Alerton VAViH-SD)	1,955.43	256.46
23 09 23 53-0050	EA	11 Inputs, 8 Binary Triac Outputs, 8 Analog Outputs, BACtalk Field Controller For Central Plant Systems (Alerton VLC-1188)	3,013.20	256.46
23 09 23 53-0051	EA	16 Inputs, BACtalk Field Controller (Alerton VLC-1600)	2,284.78	256.46
23 09 23 53-0052	EA	16 Inputs, 16 Binary Triac Outputs, BACtalk Field Controller (Alerton VLC-16160)	3,448.65	341.95
23 09 23 53-0053	EA	4 Universal Inputs, 4 Binary Outputs, 4 Analog Outputs, Field Controller (Alerton VLC-444)	1,517.58	170.98
23 09 23 53-0054	EA	5 Inputs, 5 Binary Outputs, BACtalk Field Controller (Alerton VLC-550)	1,464.68	170.98
23 09 23 53-0055	EA	6 Inputs, 2 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-651R)	1,975.46	256.46
23 09 23 53-0056	EA	6 Inputs, 3 Binary Triac Outputs, 3 Isolated Relay Outputs, BACtalk Field Controller (Alerton VLC-660R)	1,975.46	256.46
23 09 23 53-0057	EA	8 Inputs, 5 Binary Triac Outputs, 3 Analog Outputs, BACtalk Field Controller (Alerton VLC-853)	2,402.57	256.46
23 09 23 53-0058	EA	16 Universal Inputs, 8 Binary Outputs, 8 Analog Outputs, Field Controller (Alerton VLCA-1688)	4,851.79	341.95
23 09 23 53-0059	EA	2 Fixed Inputs, 3 Universal Inputs, 6 Binary Outputs, 2 Analog Outputs, VisualLogic Display Controller (Alerton VLD-362)	2,051.59	256.46
23 09 23 53-0060	EA	Wireless Door Contact Sensor (Alerton AL-OC-DS)	143.12	9.62
23 09 23 53-0061	EA	One-Speed BACtalk Microset Wall Sensor (Alerton MS-1010-BT)	236.40	9.62
23 09 23 53-0062	EA	One-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1010H-BT)	614.63	9.62
23 09 23 53-0063	EA	Three-Speed BACtalk Microset Wall Sensor (Alerton MS-1030-BT)	614.63	9.62
23 09 23 53-0064	EA	Three-Speed BACtalk Microset Wall Sensor With RH Sensor (Alerton MS-1030H-BT)	476.81	9.62
23 09 23 53-0065	EA	BACnet-Compliant Wall Sensor (Alerton TS-1050-BT)	156.27	9.62
23 09 23 53-0066	EA	Wireless Temperature And Humidity Sensor (Alerton WTS-1000-KIT)	649.09	9.62
23 09 23 53-0067	EA	Wireless Temperature And Humidity Sensor With Temperature Adjustment Knob And Manual Override (Alerton WTS-1050-KIT)	729.24	9.62
23 09 23 53-0068	EA	10 12-Bit Inputs, 12 Binary Triac Outputs Expansion Module (Alerton EXP-10-12-0)	3,005.18	256.46
23 09 23 53-0069	EA	10 12-Bit Inputs, 4 Binary Triac Outputs Expansion Module (Alerton EXP-10-4-8)	3,202.30	256.46
23 09 23 53-0070	EA	22 12-Bit Inputs Expansion Module (Alerton EXP-22-0-0)	3,032.43	256.46
23 09 23 53-0071	EA	50 Devices, Ascent Compass 1 Software, Small License (Alerton Compass-1-SM)	7,458.88	
23 09 23 53-0072	EA	Global Controller Base Unit (Alerton ACM)	4,035.32	256.46
23 09 23 53-0073	EA	External Battery Pack For ACM (Alerton ACM-BATT)	878.54	142.65
23 09 23 53-0074	EA	Licenses The ACM For Capacity Of 32 Directly Connected Devices (Alerton ACM032)	663.06	
23 09 23 53-0075	EA	Microset 4 Wall Sensor (Alerton MS4-THC)	771.67	9.62

23 09 23 53-0076 Automated Logic Controls *(23 09 23 53)*

23 09 23 53-0077	EA	0 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0100)	3,403.17	256.46
23 09 23 53-0078	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M0320)	7,517.66	769.39
23 09 23 53-0079	EA	2 Digital Outputs, 2 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M220nx)	2,310.11	256.46
23 09 23 53-0080	EA	4 Digital Outputs, 10 Universal Inputs, 6 Analog Outputs Standalone Control Module (Automated Logic M4106nx)	4,972.62	341.95
23 09 23 53-0081	EA	8 Digital Outputs, 10 Universal Inputs, 2 Analog Outputs Standalone Control Module (Automated Logic M8102nx)	4,891.05	341.95
23 09 23 53-0082	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M16160)	7,824.37	683.89
23 09 23 53-0083	EA	8 Digital Outputs, 8 Universal Inputs, 0 Analog Outputs Standalone Control Module (Automated Logic M880nx)	4,360.83	341.95
23 09 23 53-0084	EA	0 Digital Outputs, 32 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX0320)	4,414.66	256.46
23 09 23 53-0085	EA	16 Digital Outputs, 16 Universal Inputs, 0 Analog Outputs Expander Control Module (Automated Logic MX16160)	7,334.94	683.89
23 09 23 53-0086	EA	No Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642)	1,457.67	170.98
23 09 23 53-0087	EA	With Display, Interior Wall Mounted, Standalone Controller For Heat Pumps, Fan Coil Units And Other Packaged HVAC Equipment (Automated Logic RC642D)	1,542.63	170.98
23 09 23 53-0088	EA	3 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN341+)	2,578.08	170.98
23 09 23 53-0089	EA	1 Digital Outputs, 4 Universal Inputs, 1 Analog Outputs Controller For Pressure Independent VAV Applications (Automated Logic ZN141+)	2,486.31	170.98
23 09 23 53-0090	EA	Air Flow Sensor And Damper Actuator Accessory For ZN341V+ Or ZN141V+ (Automated Logic ZASF)	2,098.02	256.46
23 09 23 53-0091	EA	Unlimited Points, Front End Software For Building Control (Automated Logic WC)	13,250.54	
23 09 23 53-0092	EA	500 Point, Front End Software For Building Control (Automated Logic WC500)	8,274.65	
23 09 23 53-0093	EA	Enterprise Integration Option, Front End Software For Building Control (Automated Logic WC-ENTERPRISE)	11,051.37	

23 09 23 53-0094 Cypress Envirosystems Controls *(23 09 23 53)*

23 09 23 53-0095 Wireless Pneumatic Thermostat *(23 09 23 53-0094)*

Note: Wireless pneumatic thermostats, hub and repeaters must be installed by installers certified by the manufacturer.

23 09 23 53-0096	EA	Two-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP) Note: One for every thermostat to be retrofitted.	379.10	10.69
		For >50 To 200, Deduct	*-19.10*	
		For >200, Deduct	*-38.16*	
23 09 23 53-0097	EA	Two-Pipe Reverse Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP) Note: One for every thermostat to be retrofitted.	379.10	10.69
		For >50 To 200, Deduct	*-19.10*	
		For >200, Deduct	*-38.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0098	EA	Single-Pipe Direct Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP)	379.10	10.69
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-19.10*	
		For >200, Deduct	*-38.16*	
23 09 23 53-0099	EA	Single-Pipe Indirect Acting Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP)	379.10	10.69
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-19.10*	
		For >200, Deduct	*-38.16*	
23 09 23 53-0100	EA	Two-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2DP-DB)	430.26	10.69
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-21.94*	
		For >200, Deduct	*-43.85*	
23 09 23 53-0101	EA	Two-Pipe Reverse Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T2RP-DB)	430.26	10.69
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-21.94*	
		For >200, Deduct	*-43.85*	
23 09 23 53-0102	EA	Single-Pipe Direct Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1DP-DB)	430.26	10.69
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-21.94*	
		For >200, Deduct	*-43.85*	
23 09 23 53-0103	EA	Single-Pipe Indirect Acting Deadband Wireless Pneumatic Thermostat (Cypress Envirosystems WPT-800-T1RP-DB)	441.27	10.69
		Note: One for every thermostat to be retrofitted.		
		For >50 To 200, Deduct	*-22.56*	
		For >200, Deduct	*-45.07*	
23 09 23 53-0104	EA	Wireless Pneumatic Thermostat Blank Cover (Cypress Envirosystems WPT-800-MCOV)	33.23	10.69
		Note: Optional cover.		
		For >50 To 200, Deduct	*-1.25*	
		For >200, Deduct	*-2.50*	
23 09 23 53-0105	EA	Green Box Controller (Cypress Envirosystems GBC-800-001)	4,175.66	10.69
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-208.40*	
		For >2, Deduct	*-416.43*	
23 09 23 53-0106	EA	WPT USB Hub (Cypress Envirosystems WPT-800-HUSB)	308.14	10.69
		Note: One unit for up to 100 thermostats.		
		For 2, Deduct	*-16.54*	
		For >2, Deduct	*-33.05*	
23 09 23 53-0107	EA	WPT Repeater (Cypress Envirosystems WPT-800-RWAL)	544.16	10.69
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-27.28*	
		For >10, Deduct	*-54.52*	
23 09 23 53-0108	EA	24 Volt, WPT Repeater (Cypress Envirosystems WPT-800-RWAL24V)	677.52	10.69
		Note: One unit for up to 15 thermostats.		
		For >5 To 10, Deduct	*-31.73*	
		For >10, Deduct	*-63.40*	

23 09 23 53-0109 Delta Controls *(23 09 23 53)*

23 09 23 53-0110 Software *(23 09 23 53-0109)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0111	EA	Orca Software Unlimited Points License (Delta Controls DOW333-USB)	1,678.59	
23 09 23 53-0112	EA	Orca Graphics Module, Delta Controls Orca View With Graphics Creation Capabilities (Delta Controls DOW333-I-USB)	2,690.82	
23 09 23 53-0113	EA	Orca Historical Module, Delta Controls Historian Package With Unlimited Archiving Trend Logs (Delta Controls DHS330-HL-USB)	5,830.11	
23 09 23 53-0114	EA	Web Server Unlimited Points License, Delta Controls Web Server Front End (Delta Controls DWS330-L-USB)	9,302.58	
23 09 23 53-0115	EA	Web Server Limited Points (Maximum I/O 2500) License, Delta Controls Web Server Front End (Delta Controls DWS330-M-USB)	4,817.88	
23 09 23 53-0116	EA	Web Server Limited Points (Maximum I/O 250) License, Delta Controls Web Server Front End (Delta Controls DWS330-S-USB)	1,678.59	
23 09 23 53-0117	EA	100 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.01)	3,920.94	
23 09 23 53-0118	EA	1,000 User Energy Portal, Data Collection Controller, Web PC Server Program License (Delta Controls EP-2.02)	4,817.88	
23 09 23 53-0119	EA	KW Meter With H8163-2400-4-3 Series, With 3, 2,400 Amperes CT's And BACnet MS/TP Interface (Delta Controls H8186-CB)	1,781.81	106.86
23 09 23 53-0120	EA	Delta Controls Touch Screen (Delta Controls DHMI-7-I)	1,836.63	

23 09 23 53-0121 EMCS Central Equipment And Controllers *(23 09 23 53-0109)*

23 09 23 53-0122	EA	Fully Programmable, Native BACnet Building Controller (Delta Controls DSC-1616E + DFM1616)	6,632.77	427.43
		Note: Includes 32 Universal Inputs/32 Analog Or Binary Outputs HOA's, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), SubLAN (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS, Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup		
23 09 23 53-0123	EA	Fully Programmable, Native BACnet Building Controller, 16 Universal Inputs/16 Analog Or Binary Outputs HOA'S, Twisted-Pair Ethernet Port, BACnet IP, BACnet Over Ethernet, Main LAN RS-485 BACnet MS/TP (Maximum Of 99 Devices), Sublan (Net2) BACnet MS/TP (Maximum 99 Devices) Or Delta LINKnet At 76,800 BPS (Maximum 12 Devices On LINKnet, With 2 DFM Devices) Serial RS-232 BACnet PTP, Real-Time Clock With Lithium Battery And SRAM Backup (Delta Controls DSC-1616E)	5,197.66	427.43
23 09 23 53-0124	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,002.49	427.43

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0125	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 8 Analog Or Binary Outputs (Delta Controls DAC-1180)	4,002.49	427.43
23 09 23 53-0126	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 11 Universal Inputs, 4 Analog Output Or 6 Binary (Triac) Outputs (Delta Controls DAC-1146)	4,002.49	427.43
23 09 23 53-0127	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	3,783.93	427.43
23 09 23 53-0128	EA	VAV Controllers Are Native BACnet Application Controllers That Are Fully Programmable, Communicate On A RS-485 LAN Using The MS/TP BACnet Protocol, 3 Universal Inputs, 4 Binary Outputs, Actuator Position Feedback, Supports 4 BACstat Network Sensors On LINKnet For Room Sensing And Control Or 2 Delta Field Modules On LINKnet For I/O Expansion (Delta Controls DVC-304AF)	1,251.77	213.72
23 09 23 53-0129	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,155.34	213.72
23 09 23 53-0130	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 6 Universal Inputs, 3 Binary (Triac) Outputs And 3 Analog Outputs (Delta Controls DAC-633 R3)	1,219.32	213.72
23 09 23 53-0131	EA	Fully Programmable, Native BACnet Advanced Application Controller That Communicates On A RS-485 LAN Using The BACnet MS/TP Protocol, 4 Binary Triac Outputs (24 Volt AC), 3 Binary Relay Outputs For Fan Speed Control, 240 Volt AC, 1 HP (60 LRA/10 FLA) LED Status Indication Of Each Output (Delta Controls DFC-304R3-240)	1,155.34	213.72
23 09 23 53-0132	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 16 Universal Inputs, 16 Analog Outputs (Delta Controls DFM-1616)	2,503.69	267.14
23 09 23 53-0133	EA	Remotely Expandable I/O To Delta's BACnet Controllers, 4 Universal Inputs, 4 Analog Outputs (Delta Controls DFM-440)	662.54	106.86
23 09 23 53-0134	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 4 Universal Inputs, 4 Binary Triac Outputs (Delta Controls DFM-404)	703.19	106.86
23 09 23 53-0135	EA	Remotely Expandable I/O To Delta's BACnet™ Controllers, 16 Universal Inputs (Delta Controls DFM-1600)	808.63	106.86

23 09 23 53-0136 Network, VAV And Special Sensors *(23 09 23 53-0109)*

23 09 23 53-0137	EA	BACnet MS/TP VAV Network Room Temperature Sensor With LCD Display (Delta Controls DNS-24)	206.50	34.20
23 09 23 53-0138	EA	BACnet MS/TP VAV Network Temperature And Humidity Sensor With LCD Display (Delta Controls DNS-H24)	275.56	38.47
23 09 23 53-0139	EA	Programmable BACnet MS/TP Thermostat With 8 Button Keypad And LCD Display For DX Unit, Fan Coils And RTU (Delta Controls DAC-T305-G2B)	517.81	16.03

23 09 23 53-0140 Honeywell Controls *(23 09 23 53)*

23 09 23 53-0141 EMCS Central Equipment And Controllers *(23 09 23 53-0140)*

23 09 23 53-0142 EMCS Network Area Controllers (BACnet Or Lon) *(23 09 23 53-0141)*

Note: Includes loading software, software license, loading data base and mounting on wall.

23 09 23 53-0143	EA	Network Area Java Controller Supporting 126 Devices (Honeywell WC2003B2004) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 minimum RS-232 serial ports, 1 minimum RS-485 electrically isolated ports, 1 LonWorks port (supports 126 devices), and web user interface software.	8,884.61	520.93
23 09 23 53-0144	EA	Network Area Java Controller Supporting 27 Devices (Honeywell WC2003B1022) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-232 port, 1 RS-485 port, 1 LonWorks port with driver, Lon tunnel service, BACnet driver, wind river VxWorks OS with Jeode java virtual machine, Niagara control engine and web user interface software (supports 27 device).	6,320.32	520.93
23 09 23 53-0145	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Supports up to 10 devices.	5,020.36	520.93
23 09 23 53-0146	EA	Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-EZ) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, 1 RS-232 serial port, 1 RS-485 serial port, NDIO port, 2 communication card option slots, BACnet IP Client, and BACnet MS/TP. Includes WEB user interface and Enterprise connectivity pack.	6,054.82	520.93
23 09 23 53-0147	EA	Niagara Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LN) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485 communications. Includes Niagara network ethernet communication between stations.	4,984.75	520.93
23 09 23 53-0148	EA	Web UI Network Area Java Controller Supporting 10 Devices (Honeywell WEB-201-LU) Note: Includes 128 MB RAM / 64 MB Flash, 2 10/100 Mb ethernet ports, factory installed LON card, NDIO port and MODBus TCP driver. Excludes RS232 and RS485.	4,984.75	520.93
23 09 23 53-0149	EA	16 Point BACnet IP Network Area Java Controller (Honeywell WEB-216-B) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,342.52	520.93
23 09 23 53-0150	EA	16 Point Web UI And BACnet IP Network Area Java Controller (Honeywell WEB-216-BU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,718.10	520.93
23 09 23 53-0151	EA	16 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,342.52	520.93
23 09 23 53-0152	EA	16 Point Web UI And Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 16 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,718.10	520.93

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0153	EA	34 Point BACnet IP Network Area Java Controller (Honeywell WEB-234-B) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,721.33	520.93
23 09 23 53-0154	EA	34 Point Web UI and BACnet IP Network Area Java Controller (Honeywell WEB-234-BU.) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	6,096.91	520.93
23 09 23 53-0155	EA	34 Point Niagara Network Area Java Controller (Honeywell WEB-216-N) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this controller.	5,721.33	520.93
23 09 23 53-0156	EA	34 Point Web UI and Niagara Network Area Java Controller (Honeywell WEB-216-NU) Note: Includes 34 IO point equipment controller consisting of a controller, one IO-16 module and BACnet IP client communications. Includes 64 MB RAM / 64 MB Flash, 2 10/100 MB ethernet ports, NDIO port and 2 communication card option slots. Excludes RS232 and RS485. The LON card is not an option on this.	6,096.91	520.93
23 09 23 53-0157	EA	Network Area Java Controller Supporting 27 Devices (Controller Only) (Honeywell WEB-403-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	6,037.01	520.93
23 09 23 53-0158	EA	Unrestricted Network Area Java Controller Supporting 27 Devices (Controller Only) Note: Unrestricted limit on connected devices. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. Honeywell WEB-403-EXP-AX. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	7,291.64	520.93
23 09 23 53-0159	EA	Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EZ) Note: Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service.	7,678.55	520.93
23 09 23 53-0160	EA	Expanded Easy Pack Network Area Java Controller Supporting 27 Devices (Honeywell WEB-403-EXP-EZ) Note: Unrestricted limit on connected devices. Includes controller plus User Interface Station Pack and Enterprise Connectivity Station Pack bundled as an "easy-order" bundle. Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 1 RS-485 port, 1 RS-232 port, 1 LonWorks FTT 10 port, 6 universal inputs (analog or contact/pulse input), 4 form C (SPDT) relay outputs. Excludes UI service and Enterprise connectivity service. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	8,933.17	520.93
23 09 23 53-0161	EA	Network Area Java Controller Supporting 124 Devices (Controller Only) (Honeywell WEB-545-AX) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other WEBs controllers, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Excludes UI service and Enterprise connectivity service.	7,696.36	520.93
23 09 23 53-0162	EA	Easy Pack Network Area Java Controller Supporting 124 Devices (Honeywell WEB-545-EZ) Note: Includes 128 MB RAM / 32 MB Flash, 10/100 MB ethernet port, 4 RS-485 port, 2 RS-232 port, 1 LonWorks port. As with other JACEs, capacity is limited by the characteristics of the application. Unit is supplied with a steel, wall mountable enclosure, and 120 volt power supply. Includes WEB-545-AX plus User Interface Station Pack (UI-SP-5XX) and Enterprise Connectivity Station Pack (EC-SP-5XX) bundled as an "easy-order" bundle.	10,087.43	520.93

23 09 23 53-0163 EMCS Network Interfaces *(23 09 23 53-0141)*

Note: Includes installation, start-up and tech labor.

23 09 23 53-0164	EA	Serial LonTalk Adapter For LonWorks Bus And A PC (Honeywell Q7760A2001) Note: For desktop computer.	1,227.80	144.26
23 09 23 53-0165	EA	Serial LonTalk Card For LonWorks Bus And A PC (Honeywell Q7752B2009) Note: For laptop computer.	1,053.78	96.17
23 09 23 53-0166	EA	FTT-10 To FTT-10 Router (Honeywell Q7751A2010)	1,356.11	180.38
23 09 23 53-0167	EA	4FTT-10 To TP/FTT-1250 Multi Port Router (Honeywell Q7751J2002)	2,028.75	260.53
23 09 23 53-0168	EA	Two Way Lon Repeater (Honeywell Q7740A1008)	1,091.42	260.53
23 09 23 53-0169	EA	FTT Termination Module For Network Bus (Honeywell 209541B)	86.87	32.06

23 09 23 53-0170 DDC Application Specific Controller Assemblies *(23 09 23 53-0141)*

Note: Includes submittal generation, installation, field test, checkout and start-up. Includes control enclosure, transformer, terminal strip and ancillary devices. (For example, fan coil unit include valves, actuators with controller and thermostat; VAVs include controller, thermostat and hot water valve if VAV has reheat coil). Excludes graphics and database generation. Excludes discharge air sensor.

23 09 23 53-0171	EA	Up To 10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,092.95	745.34
23 09 23 53-0172	EA	>10 Factory Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,692.22	441.32
23 09 23 53-0173	EA	Up To 10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	2,261.25	745.34
23 09 23 53-0174	EA	>10 Field Installed Cooling Only Or Electric Reheat VAV Or FPB Controller Assemblies	1,860.53	485.14
23 09 23 53-0175	EA	Up To 10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,482.65	829.55
23 09 23 53-0176	EA	>10 Factory Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,182.05	621.92
23 09 23 53-0177	EA	Up To 10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	3,071.65	829.55
23 09 23 53-0178	EA	>10 Field Installed Steam Or Hot Water Heating VAV Or FPB Controller Assemblies	2,650.96	634.74
23 09 23 53-0179	EA	Up To 10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,879.56	829.55
23 09 23 53-0180	EA	>10 Factory Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,478.83	490.48
23 09 23 53-0181	EA	Up To 10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	2,100.01	829.55
23 09 23 53-0182	EA	>10 Field Installed Application Specific Heat Pump Or Gas Heat With DX Cooling Controller Assemblies	1,699.18	552.46
23 09 23 53-0183	EA	Up To 10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,434.22	829.55
23 09 23 53-0184	EA	>10 Factory Installed Application Specific Fan Coil Unit Controller Assemblies	2,025.49	489.41
23 09 23 53-0185	EA	Up To 10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,654.67	829.55
23 09 23 53-0186	EA	>10 Field Installed Application Specific Fan Coil Unit Controller Assemblies	2,245.83	551.39
23 09 23 53-0187	EA	Up To 10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	3,015.74	829.55
23 09 23 53-0188	EA	>10 Factory Installed Application Specific Unit Ventilator Controller Assemblies	2,651.14	530.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0189	EA	Up To 10 Field Installed Application Specific Unit Ventilator Controller Assemblies	3,456.65	829.55
23 09 23 53-0190	EA	>10 Field Installed Application Specific Unit Ventilator Controller Assemblies	3,091.94	620.85

23 09 23 53-0191 DDC Programmable Controller Assemblies *(23 09 23 53-0141)*

Note: Includes installation, field test, checkout and start-up. Includes control enclosure, transformer and terminal strip only. Excludes ancillary devices. Excludes submittal generation/system engineering and database generation. See CSI section 23 09 23 53-0198 for additional components.

23 09 23 53-0192	EA	3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,165.83	637.20
23 09 23 53-0193	EA	Oversized Enclosure 3 AO, 6 UI, 8 DO And 4 DI Small Programmable Controller Assemblies	2,472.78	637.20
23 09 23 53-0194	EA	6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	3,251.71	749.40
23 09 23 53-0195	EA	Oversized Enclosure 6 AO, 8 AI, 8 DO And 8 DI Medium Programmable Controller Assemblies	3,558.66	749.40
23 09 23 53-0196	EA	10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	5,760.09	877.63
23 09 23 53-0197	EA	Oversized Enclosure 10 AO, 16 AI, 16 DO And 16 DI Large Programmable Controller Assemblies	6,114.92	877.63

23 09 23 53-0198 EMCS Optional DDC Controller Hardware *(23 09 23 53-0141)*

Note: Used to expand the capacity of DDC programmable controller assemblies.

23 09 23 53-0199	EA	6 DO (Repay), 3 AI, 3 DI AHU Controller (Honeywell W7750A2005) Note: For constant volume single zone and heat pump AHUs.	369.10	
23 09 23 53-0200	EA	6 AI, 5 DI, 8 DO (Triac) AHU Controller (Honeywell W7750B2011) Note: For constant volume single zone and heat pump AHUs.	426.57	
23 09 23 53-0201	EA	3 AO, 6 AI, 5 DI, 5 DO (Triac) AHU Controller (Honeywell W7750C2001) Note: For constant volume single zone and heat pump AHUs.	446.81	
23 09 23 53-0202	EA	VAV Controller Compatible Printed Wiring Board (Honeywell W7751B2010)	421.72	
23 09 23 53-0203	EA	VAV Controller With Internally Wired Subbase (Honeywell W7751D2016)	428.19	
23 09 23 53-0204	EA	VAV Controller With Externally Wired Subbase (Honeywell W7751F2011)	418.48	
23 09 23 53-0205	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751H2025)	360.20	
23 09 23 53-0206	EA	VAV Controller With Premounted ML6161 Actuator (Honeywell W7751J2004)	313.25	
23 09 23 53-0207	EA	Fan Coil Unit Controller With Electric Reheat Relay (Honeywell W7752F2002)	458.95	
23 09 23 53-0208	EA	Fan Coil Unit Controller Without Electric Reheat Relay (Honeywell W7752G2000)	410.38	
23 09 23 53-0209	EA	Unit Ventilator Controller With Heating, Cooling, Actuator And Fan Control (Honeywell W7753A2002)	453.28	
23 09 23 53-0210	EA	Building Manager, Monitor And Control HVAC Equipment (Honeywell W7760A2011)	962.42	
23 09 23 53-0211	EA	Plant Controller, Monitor And Control HVAC Equipment (Honeywell W7760C2017)	1,197.15	
23 09 23 53-0212	EA	Remote IO Device For Ancillary Point Monitoring And Control (Honeywell W7761A2002)	598.17	
23 09 23 53-0213	EA	Remote IO, UUKL-UL 864 Approved (Honeywell W7761A2010)	589.27	
23 09 23 53-0214	EA	Hydronic Controller Without Wall Module (Honeywell W7762B1027)	288.97	
23 09 23 53-0215	EA	Hydronic Controller With Built-in Wall Module (Honeywell W7763C1016)	328.63	
23 09 23 53-0216	EA	IO Module, 24 Volt AC Without Overrides (Honeywell XFC3A06001)	607.08	
23 09 23 53-0217	EA	IO Module, 24 Volt AC With Overrides (Honeywell XFC3D06001)	649.17	
23 09 23 53-0218	EA	AI Module (Honeywell XFL521B)	406.34	
23 09 23 53-0219	EA	AO Module (Honeywell XFL522B)	406.34	
23 09 23 53-0220	EA	DI Module (Honeywell XFL523B)	406.34	
23 09 23 53-0221	EA	DO Module (Honeywell XFL524B)	406.34	
23 09 23 53-0222	EA	Distributed IO, Lonwork Bus Connector Module With Endplate (Honeywell XSL511)	72.04	
23 09 23 53-0223	EA	Distributed IO, Terminal Block For AI, AO And DI Modules (Honeywell XSL513)	135.99	
23 09 23 53-0224	EA	Distributed IO, Terminal Block For DO Modules (Honeywell XSL514)	133.56	
23 09 23 53-0225	EA	Lon Analog IO Module, 24 Volt AC/DC, 10 Digital Inputs (Honeywell XIO-10DI)	408.76	
23 09 23 53-0226	EA	Lon Hub (Honeywell XIO-HUB)	60.71	
23 09 23 53-0227	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Outputs (Honeywell XIO-4AO)	408.76	
23 09 23 53-0228	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Inputs (Honeywell XIO-4DI)	376.39	
23 09 23 53-0229	EA	Lon Digital IO, 24 Volt AC/DC, 4 Digital Outputs (Honeywell XIO-4DO)	376.39	
23 09 23 53-0230	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog Inputs (Honeywell XIO-4NTC)	396.62	
23 09 23 53-0231	EA	Lon Analog IO, 24 Volt AC/DC, 4 Analog PT1000 Inputs (Honeywell XIO-4PT1000)	396.62	
23 09 23 53-0232	EA	Lon Analog IO, 24 Volt AC/DC, 8 Analog Inputs (Honeywell XIO-8AI)	570.65	
23 09 23 53-0233	EA	16 Point IO Module For Network Area Controllers (Honeywell WEB-IO-16) Note: Includes 8 universal inputs, 4 relay outputs, and 4 analog outputs.	673.45	
23 09 23 53-0234	EA	34 Point IO Module For Network Area Controllers (Honeywell W7750A2005) Note: Includes 16 universal inputs, 10 relay outputs, and 8 analog outputs.	1,431.08	

23 09 23 53-0235 EMCS Software *(23 09 23 53-0140)*

23 09 23 53-0236 Software Packages And License *(23 09 23 53-0235)*

Note: Includes installation on equipment.

23 09 23 53-0237	EA	On Board Programming Tool For Network Area Controllers (Honeywell WP-AX-WEB) Note: Requires UI services to be installed on NAC.	456.52	
23 09 23 53-0238	EA	Software Upgrade To Provide Unrestricted Connected Device Limit (Honeywell WEB-403-EXUP-AX) Note: Upgrade existing network area controller. As with other WEBs controllers, capacity is limited by the characteristics of the application including size and complexity.	1,798.46	
23 09 23 53-0239	EA	WEBStation-AX Software For Windows (Honeywell WEB-S-AX) Note: Includes Archon database. WEBs controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes one copy of WP-AX (WEBPro-AX).	5,099.44	
23 09 23 53-0240	EA	Small Building WEBStation-AX Based Software (Honeywell WEB-S-AX-SBS) Note: For up to 3 NAC controllers. NAC controllers must have Enterprise Connectivity Station Pack (EC-SP). Includes Archon database.	3,035.38	
23 09 23 53-0241	EA	Upgrade Small Building To Large Building Software Note: Upgrade WEB-S-AX-SBS to WEB-S-AX.	3,498.27	
23 09 23 53-0242	EA	Additional Copy Of WEBPro-AX (Honeywell WEB-S-AX-W) Note: One copy is included with WEB-S-AX and WEBStation-AX.	2,485.67	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0243	EA	WEBs Energy Suite (WES) Base Software (Honeywell WES-BASE-AX)	4,383.80	
		Note: Includes license for 10 points of E^2 Profiler and 2 licensed meters of Cost Profiler. Limit of one WES-BASE per WEBStation-AX Supervisor. Additional E^2 Profiler point requirements or Cost Profiler meter requirements may use one or any combination of point/meter bundles. One WES-BASE required per WES project.		
23 09 23 53-0244	EA	Perpetual License One Meter Point Bundle Of A Cost Profiler Meter And Two E^2 Profiler Points (Honeywell WES-CP-AX)	623.97	
		Note: Can be combined with the required single instance of VES-BASE as well as with any combination of other EP points and CP meters.		
23 09 23 53-0245	EA	Perpetual License For One Point Of E^2 Profiler (Honeywell WES-E2-AX)	433.75	
		Note: Can be combined with the required single instance of VES-BASE as well as with any number of other EP Points and Cost Profiler meters.		
23 09 23 53-0246	EA	Perpetual License For An Unlimited Bundle Of E2 Points And CP Meters	23,489.70	
		Note: Sold on a per server basis. Purchase of this product must be accompanied by VES-M1-ENT-AX maintenance. The first year price of maintenance is included with VES-ENT-AX.		
23 09 23 53-0247	EA	Annual Maintenance For Enterprise WEBs-AX Energy Suite (Honeywell WES-M1-ENT-AX)	21,446.03	
		Note: The first year cost of VES-M1-ENT-AX is included with VES-ENT-AX. After the first year VES-M1-ENT-AX maintenance fee will be invoiced annually.		
23 09 23 53-0248	EA	Standard WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX)	8,131.58	
23 09 23 53-0249	EA	Small WEBStation-AX Supervisor Bundled With WES-BASE-AX (Honeywell WES-S-AX-SBS)	6,067.52	
23 09 23 53-0250	EA	Add 500 Modbus TCP Points To WEBStation With WS-OSD Option (Honeywell WS-MTCP-500)	1,754.05	
23 09 23 53-0251	EA	Add 500 OPC Points To WEBStation With WS-OSD Option (Honeywell WS-OPC-500)	1,754.05	
23 09 23 53-0252	EA	Vykon Oracle Driver For Support Of Oracle Database (Honeywell WS-ORCL)	12,141.52	
		Note: Excludes Oracle.		
23 09 23 53-0253	EA	Open System Driver Option (Honeywell WS-SNMP-500)	1,618.87	
		Note: Adds 25 points each of BACnet IP, OPC (client), Modbus TCP and SNMP to a standard WEBStation. Can be purchase with the WS or added later. Web Supervisor required to purchase this option.		
23 09 23 53-0254	EA	Add 500 SNMP Points To WEBStation With WS-OSD Option (Honeywell WS-SNMP-500)	1,754.05	
23 09 23 53-0255	EA	WEBStation Software WS-1 And First Copy Of WEBPro Software (Honeywell ZW2000A1003)	4,587.07	
		Note: For a single Honeywell WEB NP controller. Excludes software keys for the additional nodes.		
23 09 23 53-0256	EA	WEBStation Additional Node (Honeywell ZW2000B1002)	1,754.05	
23 09 23 53-0257	EA	WEBStation Software And 20 Pack Of Node Software Keys (Honeywell ZW2000C1001)	29,410.01	
23 09 23 53-0258	EA	WEBStation Software And 50 Pack Of Node Software Keys (Honeywell ZW2000D1000)	53,962.60	
23 09 23 53-0259	EA	WEBStation Software And 100 Pack Of Node Software Keys (Honeywell ZW2000E1009)	94,434.35	
23 09 23 53-0260	EA	Master WEBStation Software For Monitoring Multiple WEBStations (Honeywell ZW2000F1008)	4,856.61	
23 09 23 53-0261	EA	Additional Master WEBStation Software Licenses (Honeywell ZW200G1007)	2,428.30	
23 09 23 53-0262	EA	Additional Copies Of Workplace Pro WP-1 (Web Pro) (Honeywell ZW2001A1001)	1,987.06	
23 09 23 53-0263	EA	Upgrade Existing NAC To Provide Unrestricted Connected Device Limit (Honeywell WC2003B1055)	2,162.70	
		Note: As with other WEBs, capacity is limited by the characteristics of the application including size and complexity.		

23 09 23 53-0264 Initial Database Generation *(23 09 23 53-0235)*

23 09 23 53-0265	PNT	Database Generation For Central Plant	71.70	
23 09 23 53-0266	PNT	Database Generation For Programmable Controller	71.70	
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0267	EA	Database Generation For Application Specific Controller	71.70	
		Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.		
23 09 23 53-0268	EA	Replication Of Database Generation For Application Specific Controller	49.91	
		Note: Price per copy made.		
23 09 23 53-0269	EA	Database Generation For Remote IO Modules, Sensors, Etcetera	49.91	

23 09 23 53-0270 Application Software Programs *(23 09 23 53-0235)*

23 09 23 53-0271	EA	Basic Application Program Package	2,992.04	
		Note: One per project. Includes program inputs, command priorities, alarms, trends for analog and digital points, energy totalization, schedules, calendars, special events, occupied and unoccupied setpoints, ventilation and recirculation modes, hot water reset program, chilled water reset program, condenser water reset program, and fail-over logic.		
23 09 23 53-0272	EA	Optimum Start/Stop Program	100.02	
		Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0273	EA	Duty Cycling Program	47.24	
23 09 23 53-0274	EA	Hot Deck/Cold Deck Reset Application Program	5,140.21	
23 09 23 53-0275	EA	Boiler Optimization Program	6,735.93	
23 09 23 53-0276	EA	Chiller Optimization Program	9,124.50	
23 09 23 53-0277	EA	Lighting Control Program	4,403.13	
23 09 23 53-0278	EA	Demand Limiting Program	87.73	
		Note: Priced per controller requiring optimum start programming.		
23 09 23 53-0279	EA	Email Alarm Server Configuration	3,396.83	

23 09 23 53-0280 Color Graphics Generation *(23 09 23 53-0235)*

Note: Priced per page.

23 09 23 53-0281	EA	Single Site Home Page Graphics Page With HTML Navigation Code	1,792.89	
23 09 23 53-0282	EA	Multi Site Home Page Graphics Page With HTML Navigation Code	3,183.20	
23 09 23 53-0283	EA	Color Graphics Page For Central Plant	814.58	
23 09 23 53-0284	EA	Color Graphics Page For Building Floor Plan	752.18	
23 09 23 53-0285	EA	Replication Of Color Graphics Page For Central Plant	408.63	
23 09 23 53-0286	EA	Color Graphics Page For Programmable Controller	916.42	
		Note: For VAV AHU, large CV AHU, or heat exchanger, etc.		
23 09 23 53-0287	EA	Replication Of Color Graphics Page For Programmable Controller	195.97	
		Note: Priced per copy made.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0288	EA	Color Graphics Page For Application Specific Controller Note: Price per each VAV box, fan coil unit, unit ventilator or small CV AHU. Task used for the first piece of each equipment.	847.61	
23 09 23 53-0289	EA	Replication Of Color Graphics Page For Application Specific Cont Note: Priced per copy made.	84.74	

23 09 23 53-0290 Sensors, Actuators And Control Devices *(23 09 23 53-0140)*

Note: Includes installation, startup, checkout and miscellaneous parts for installation. Excludes conduit, wire and cable. Excludes engineering and programming labor. Each device is considered one control point. No engineering or programming time required for replacement parts.

23 09 23 53-0291 Special Sensors *(23 09 23 53-0290)*

23 09 23 53-0292	EA	Dewpoint Sensor (Honeywell C7232B1014)	1,493.83	66.15
23 09 23 53-0293	EA	Enthalpy Sensor -25 To 125 F	1,556.38	66.15
23 09 23 53-0294	EA	Outdoor Mounted Temperature And Humidity Transmitter (Honeywell H7635C1002)	773.74	132.29
23 09 23 53-0295	EA	Freezestat (Honeywell L482A1004)	548.83	220.45
23 09 23 53-0296	EA	Wall Mounted Occupancy Sensor	375.79	66.15
23 09 23 53-0297	EA	Ceiling Mounted Occupancy Sensor	306.84	66.15
23 09 23 53-0298	EA	I/P Positioner With Gauge	360.11	66.15
23 09 23 53-0299	EA	Non Communicating Duct Mounted Smoke Detector With Sampling Tube	432.07	66.15
23 09 23 53-0300	EA	EP Transducer	360.11	44.13
23 09 23 53-0301	EA	Electric Heat Sequencer	579.48	88.15

23 09 23 53-0302 Meters *(23 09 23 53-0290)*

23 09 23 53-0303	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer	3,665.31	528.95
23 09 23 53-0304	EA	208 - 480 Volt, Up To 2,400 Amperes, KW/KWh Meter/Current Transformer With LON interface	5,366.74	617.11
23 09 23 53-0305	EA	1 To 300 Amperes, Current Transformer For KW Meter	1,323.43	220.45
23 09 23 53-0306	EA	300 To 800 Amperes, Current Transformer For KW Meter	1,484.58	220.45
23 09 23 53-0307	EA	800 To 2,400 Amperes, Current Transformer For KW Meter	1,793.63	220.45

23 09 23 53-0308 Direct Coupled Actuators *(23 09 23 53-0290)*

23 09 23 53-0309	EA	44 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4105A1002)	477.94	80.56
23 09 23 53-0310	EA	88 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4110A1200)	523.34	80.56
23 09 23 53-0311	EA	175 IN-LB, 2 Position, 120 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS4120A1209)	601.41	80.56
23 09 23 53-0312	EA	44 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8105A1008)	451.38	80.56
23 09 23 53-0313	EA	88 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8110A1206)	500.20	80.56
23 09 23 53-0314	EA	175 IN-LB, 2 Position, 24 Volt AC Spring Return Direct Coupled Damper Actuator (Honeywell MS8120A1205)	548.55	80.56
23 09 23 53-0315	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator	502.87	80.56
23 09 23 53-0316	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7510A2206)	572.49	80.56
23 09 23 53-0317	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Spring Return Direct Coupled Damper Actuator (Honeywell MS7520A2205)	647.64	80.56
23 09 23 53-0318	EA	44 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7505A2209)	415.15	80.56
23 09 23 53-0319	EA	88 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC Or Floating Control, Non- Spring Return Direct Coupled Damper Actuator (Honeywell MN7510A2209)	452.23	80.56
23 09 23 53-0320	EA	175 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6120A1200)	526.70	80.56
23 09 23 53-0321	EA	175 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7220A2007)	561.76	80.56
23 09 23 53-0322	EA	300 IN-LB, 24 Volt AC, 4-20 mA, Floating Control, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN6134A10030)	561.32	80.56
23 09 23 53-0323	EA	300 IN-LB, 24 Volt AC, 4-20mA, 0-10 Volt DC, Non-Spring Return Direct Coupled Damper Actuator (Honeywell MN7234A2008)	657.46	80.56
23 09 23 53-0324	EA	Pneumatic Spring Return Damper Actuator Without Positive Positioner (Honeywell MP909E1018)	430.35	80.56
23 09 23 53-0325	EA	Pneumatic Spring Return Damper Actuator With Positive Positioner (Honeywell MP909H1368)	741.44	80.56
23 09 23 53-0326	EA	Foot Mount Kit With Damper Linkage And Connectors For Direct Coupled Actuator	327.97	80.56
23 09 23 53-0327	EA	Direct Coupled Damper Actuator Enclosure For Outdoor Use	493.20	80.56

23 09 23 53-0328 Thermostats *(23 09 23 53-0140)*

23 09 23 53-0329 Electric And Electronic Thermostats *(23 09 23 53-0328)*

Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as one control point.

23 09 23 53-0330	EA	Line Voltage 120 Volt, Heat/Cool Thermostat (Honeywell T651A3018)	171.99	16.03
23 09 23 53-0331	EA	Electronic Non Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell TH5320)	183.49	16.03
23 09 23 53-0332	EA	Electronic Programmable Heating/Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6110)	170.71	16.03
23 09 23 53-0333	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6220)	188.22	16.03
23 09 23 53-0334	EA	Electronic Programmable Three Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH6320)	201.39	16.03
23 09 23 53-0335	EA	Electronic Programmable Two Heating/Two Cooling Heat Pump Or Conventional Unit Thermostat (Honeywell TH8321)	285.76	16.03
23 09 23 53-0336	EA	Humidity Control Electronic Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7351F)	405.92	16.03
23 09 23 53-0337	EA	Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350H)	643.52	16.03
23 09 23 53-0338	EA	Modulating Lon Communicating Humidity Control Programmable Heat/Cool Heat Pump Or Conventional Unit Thermostat (Honeywell T7350M)	684.80	16.03

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0339		**Pneumatic Thermostats** *(23 09 23 53-0328)*		
		Note: Includes installation, startup and checkout labor. Excludes engineering and programming labor. Each thermostat counts as two control point.		
23 09 23 53-0340	EA	Pneumatic Thermostat (Honeywell TP970B2182)	224.78	16.03
23 09 23 53-0341		**Thermostats Guards** *(23 09 23 53-0328)*		
23 09 23 53-0342	EA	9-3/4" x 7-1/4" x 3-3/8" Universal Thermostat Guard (Honeywell TG512A1009)	56.92	16.03
23 09 23 53-0343	EA	7-1/2" x 6-1/2" x 2-15/16" Universal Thermostat Guard (Honeywell TG511)	66.51	16.03
23 09 23 53-0344	EA	5-7/8" x 5-7/8" x 2-1/2" Deep Universal Thermostat Guard (Honeywell TG510)	63.06	16.03
23 09 23 53-0345		**Johnson Controls** *(23 09 23 53)*		
23 09 23 53-0346		**Software** *(23 09 23 53-0345)*		
		Note: Excludes programming, set-up and commissioning of application.		
23 09 23 53-0347	EA	5 Concurrent User Application And Data Server (Johnson Controls MS-ADS05U-0)	13,082.37	
23 09 23 53-0348	EA	10 Concurrent User External Application And Data Server (Johnson Controls MS-ADX10U-0)	15,457.91	
23 09 23 53-0349	EA	N2 Controllers Commissioning And Download Software (Johnson Controls MW-MTOOL-0)	835.44	
23 09 23 53-0350	EA	N2 Controllers Download Cable Kit (Johnson Controls AS-CBLPRO-2)	1,226.94	
23 09 23 53-0351	EA	BACnet FEU Controllers Commissioning And Download Software (Johnson Controls MS-CCTSWO-0)	2,115.04	
23 09 23 53-0352	EA	BACnet Controllers Download Bluetooth Converter (Johnson Controls MS-BTCVT-0)	842.07	
23 09 23 53-0353	EA	New User FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-0)	838.16	
23 09 23 53-0354	EA	Upgrade FX Tools Pro CD-Rom (FX Builder, FX Builder Expres, FX CommPro N2, FX CommPro LON, FX CommPro BACnet) Software (Johnson Controls LP-FXTPRO-6)	353.45	
23 09 23 53-0355		**Supervisory Controllers** *(23 09 23 53-0345)*		
23 09 23 53-0356	EA	NAE With 1 RS-485, Support For 50 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE3510-2)	6,483.99	427.43
23 09 23 53-0357	EA	NAE With 1 RS-485, Support For 100 Devices (Either N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE4511-2)	9,616.92	427.43
23 09 23 53-0358	EA	NAE With 2 RS-485, Support For 200 Devices (N2 Or BACnet MS/TP) Supervisory Controllers (Johnson Controls MS-NAE5511-1)	12,756.78	427.43
23 09 23 53-0359	EA	NCE, 33 Points, Network Control Engine, 32 N2 Device Support Supervisory Controllers (Johnson Controls MS-NCE2510-0)	5,277.21	427.43
23 09 23 53-0360		**Controllers** *(23 09 23 53-0345)*		
23 09 23 53-0361	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-FEU1610-0)	760.35	106.86
23 09 23 53-0362	EA	10 Point Field Equipment Controller With 2 UI, 1 BI, 3 BO, 4 CO, 24 Volt AC And Sensor Actuator Bus, Mounting Base And Integral Display (Johnson Controls MS-FEU1620-0)	969.25	213.72
23 09 23 53-0363	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Mounting Base (Johnson Controls MS-FEU2610-0)	1,334.29	213.72
23 09 23 53-0364	EA	17 Point Field Equipment Controller With 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC, Sensor Actuator Bus And Integral Display (Johnson Controls MS-FEU2620-0)	1,543.18	213.72
23 09 23 53-0365	EA	BACnet MS/TP 4-Point I/O Module With 4 BI, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM1710-0)	640.51	106.86
23 09 23 53-0366	EA	BACnet MS/TP 6 Point I/O Module With 2 UI, 2 UO, 2 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM2710-0)	693.77	106.86
23 09 23 53-0367	EA	BACnet MS/TP 12 Point I/O Module with 4 UI, 4 UO, 4 BO, Field Controller Bus And Sensor Actuator Bus Support (Johnson Controls MS-IOM3710-0)	773.67	106.86
23 09 23 53-0368	EA	17 Point I/O Module with 6 UI, 2 BI, 3 BO, 2 AO, 4 CO, 24 Volt AC And Sensor Actuator Bus With Mounting Base (Johnson Controls MS-IOU4710-0)	784.32	106.86
23 09 23 53-0369	EA	BACnet MS/TP Rooftop Controller For Stand-Alone And Networked Zoning Systems (Johnson Controls TEC2664Z-2)	1,597.54	213.72
23 09 23 53-0370	EA	32-bit, Integrated VAV Controller/Actuator/DPT, 3 UI, 3 BO, and 2 CO; 24 Volt AC; Field Controller Bus And Sensor Actuator Bus (Johnson Controls MS-VMA1630-0)	770.82	106.86
23 09 23 53-0371	EA	32-bit, Integrated VAV Controller/Actuator/Pressure Sensor - DPT, 3 UI and 3 BO, 2 CO, 24 Volt AC, and Sensor Actuator Bus (Johnson Controls MS-VMA1930-0)	1,075.30	106.86
		Note: Includes 6-pin Sensor Port for use with TE-7xx Series Non-Communicating Sensors and two Ethernet Ports for BACnet/IP Communications		
23 09 23 53-0372		**Master FX Controllers** *(23 09 23 53-0345)*		
23 09 23 53-0373	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X00-000C)	1,965.05	213.72
23 09 23 53-0374	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X01-000C)	2,091.41	213.72
23 09 23 53-0375	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X02-000C)	2,154.19	213.72
23 09 23 53-0376	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X03-000C)	2,116.03	213.72
23 09 23 53-0377	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X04-000C)	2,056.40	213.72
23 09 23 53-0378	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X11-000C)	2,065.96	213.72
23 09 23 53-0379	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card Without Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X14-000C)	2,056.40	213.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0380	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X50-000C)	2,091.54	213.72
23 09 23 53-0381	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, N2 Open Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X51-000C)	2,200.66	213.72
23 09 23 53-0382	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X52-000C)	2,273.41	213.72
23 09 23 53-0383	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X53-000C)	2,237.03	213.72
23 09 23 53-0384	EA	6 AI, 8 DI, 4 AO, 9 DO, 9 Relays, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X54-000C)	2,162.58	213.72
23 09 23 53-0385	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, No Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X60-000C)	2,091.54	213.72
23 09 23 53-0386	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, N2 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X61-000C)	2,200.66	213.72
23 09 23 53-0387	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, LON Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X62-000C)	2,273.41	213.72
23 09 23 53-0388	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, RS-232 Communication Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X63-000C)	2,237.03	213.72
23 09 23 53-0389	EA	6 AI, 8 DI, 4 AO, 9 DO, 4 Relays, 5 Triac, BACnet Communications Card With Integral Display, Extended Temperature Range Master Controllers (Johnson Controls LP-FX16X64-000C)	2,162.58	213.72
23 09 23 53-0390	EA	N2 Open Communication Card For FX16 (Johnson Controls LP-NET151-010C)	235.74	53.43
23 09 23 53-0391	EA	LON Communication Card For FX15 and FX16 (Johnson Controls LP-NET152-010C)	325.26	53.43
23 09 23 53-0392	EA	RS-232 Communication Card For FX16 (Johnson Controls LP-NET163-000C)	260.87	53.43
23 09 23 53-0393	EA	BACnet Communications Card For FX16 (Johnson Controls LP-NET164-000C)	235.74	53.43
23 09 23 53-0394	EA	Remote Medium User Interface For FX16 (Johnson Controls LP-DIS60P20-0C)	645.74	53.43
23 09 23 53-0395	EA	Facility Explorer Extension I/O Module (Johnson Controls LP-XT91D00-000C)	599.69	53.43
23 09 23 53-0396	EA	5 UI, 4 BI, 3 AO, 6 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X01-000C)	610.48	53.43
23 09 23 53-0397	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO Expansion I/O Module (Johnson Controls LP-XM07X11-000C)	610.48	53.43
23 09 23 53-0398	EA	5 UI, 4 BI, 3 AO, 6 Relay DO (Manual Overrides For 2 AO And 4 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X51-000C)	664.33	53.43
23 09 23 53-0399	EA	5 UI, 4 BI, 3 AO, 2 Triac DO, 4 Relay DO (Manual Overrides For 2 AO, 2 Triac DO, And 2 Relay DO) Expansion I/O Module (Johnson Controls LP-XM07X61-000C)	664.33	53.43
23 09 23 53-0400	EA	6 UI, 12 BI, 4 AO, 9 Relay DO Expansion I/O Module (Johnson Controls LP-XM14X01-000C)	819.17	53.43
23 09 23 53-0401	EA	6 UI, 12 BI, 4 AO, 4 Triac DO Expansion I/O Module (Johnson Controls LP-XM14X11-000C)	819.17	53.43
23 09 23 53-0402	EA	6 UI, 12 BI, 4 AO, 9 Relay DO (Manual Overrides For 3 AO And 7 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X51-000C)	906.69	53.43
23 09 23 53-0403	EA	6 UI, 12 BI, 4 AO, 4 Triac DO, 5 Relay DO (Manual Overrides For 3 AO, 2 Triac DO, And 5 Relay DO) Expansion I/O Module (Johnson Controls LP-XM14X61-000C)	906.69	53.43

23 09 23 53-0404 VAV, Network And Special Sensors *(23 09 23 53-0345)*

23 09 23 53-0405	EA	3" x 4-1/2", Surface Or Box Mounted, LCD RH Display, 3% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHR7001-0)	417.45	34.20
23 09 23 53-0406	EA	3" x 4-1/2", Surface Or Box Mounted, Addressing Switch BACnet Temperature Sensor (Johnson Controls NS-BTN7003-0)	153.30	34.20
23 09 23 53-0407	EA	3" x 4-1/2", Surface Or Box Mounted, 3% RH Accuracy, BACnet Temperature And Humidity Sensor (Johnson Controls NS-BHN7001-0)	327.71	34.20
23 09 23 53-0408	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, 2% RH Accuracy, Occupancy Override, Adjustable Temperature Setpoint Addressing Switch BACnet Temperature And Humidity Sensor (Johnson Controls NS-BPB7003-0)	480.03	34.20
23 09 23 53-0409	EA	3" x 4-1/2", Surface Or Box Mounted, LCD Display, Occupancy Override, Adjustable Temperature Setpoint, BACnet Temperature Sensor (Johnson Controls NS-BTB7001-0)	173.08	34.20
23 09 23 53-0410	EA	3" x 4-1/2", Surface Or Box Mounted CO2 Sensor, 0 To 2,000 ppm (Johnson Controls NS-BCN7004-0)	437.08	34.20

23 09 23 53-0411 Sensors - Hard Wired Type *(23 09 23 53-0345)*

23 09 23 53-0412	EA	Duct Mount Temperature Sensor, Platinum RT, With Handi-Box (Johnson Controls TFDCR00)	165.81	61.55
23 09 23 53-0413	EA	Well Insertion Temperature Sensor, With Stainless 4-1/2" Well (Johnson Controls TIGB1C0)	130.69	34.20
23 09 23 53-0414	EA	BACnet MS/TP Networked, Single Stage Thermostat (Johnson Controls TEC2601-2) Note: For fan coil units, unit heaters and single stage packaged heating/cooling equipment.	329.46	16.03
23 09 23 53-0415	EA	BACnet MS/TP Networked Two Outputs, Dehumidification Capability And Three Speed Fan Control Thermostat (Johnson Controls TEC2616-2) Note: For two or four pipe fan coils, cabinet unit heaters or other equipment using on/off, floating, or proportional 0 to 10 Volt DC control input, three speeds of fan control, and dehumidification capability.	438.78	16.03
23 09 23 53-0416	EA	BACnet MS/TP Networked Thermostats With Two Outputs (Johnson Controls TEC2627VVT-2) Note: For VVT systems.	330.06	16.03
23 09 23 53-0417	EA	BACnet MS/TP Zone Controller For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2)	427.32	34.20
23 09 23 53-0418	EA	BACnet Zone Controller With Occupancy Sensor For Proportional Zone Damper, On/Off Or Proportional Reheat Control (Johnson Controls TEC2647Z-2+PIR)	521.94	34.20

23 09 23 53-0419 Melink Intelli-Hood IH3 Controls *(23 09 23 53)*

23 09 23 53-0420 Kitchen Ventilation Controllers *(23 09 23 53-0419)*

23 09 23 53-0421	EA	Fully Programmable Kitchen Ventilation Controller (Melink Intelli-Hood 2SYS-3001) Note: RS-485 communication protocol supports up to 39 Hood Controllers, 10 graphical user interface devices, 10 auxiliary power supplies, and 10 auxiliary light controllers. Modbus VFD communications interface for support of up to 64 variable frequency drives, programmable I/O points include: 3 digital inputs, 4 digital outputs, 1 analog output, and 1 analog input. BACnet over TCP/IP Interface, Real-Time Clock with battery back-up.	7,399.28	427.43
23 09 23 53-0422	EA	Graphical User Interface (Melink Intelli-Hood 2KPD-3001) Note: Full color 2.5" display and programming interface device. RS-485 communication protocol for interface with main controller.	1,310.00	88.15

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0423	EA	Hood Controller (Melink Intelli-Hood 2SEN-3001) Note: 6 point field I/O device, RS-485 communication protocol, supports up to 4 field temperature sensors and 1 optic sensor system.	2,290.77	355.84

23 09 23 53-0424 Kitchen Ventilation Sensors *(23 09 23 53-0419)*

23 09 23 53-0425	EA	Duct Mount Stainless Steel RTD (Melink Intelli-Hood 2SEN-3005-Q) Note: Includes UL listed mounting compression fitting, stainless steel probe protection sleeve, RJ-45 communication connector.	404.70	61.55
23 09 23 53-0426	EA	Optic Sensor System For Detection Of Cooking Effluent (Melink Intelli-Hood 2SEN-3004-28) Note: Includes air purge unit, infrared emitter/receiver with stainless steel housings. Auto-calibration, 0.2 second response time, conformal-coated circuit boards, purge pipe assembly complete with UL listed compression fittings, communication interface cables and blower box assembly.	3,362.75	341.95

23 09 23 53-0427 Siemens Controls *(23 09 23 53)*

23 09 23 53-0428	EA	Concealed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1083)	318.68	16.03
23 09 23 53-0429	EA	Exposed Temperature Set Point Adjustment, Electric Line Voltage Heating/Cooling Thermostat (Siemens 134-1085)	231.00	16.03
23 09 23 53-0430	EA	SPST/Manual Reset, 1" To 12" Set Point Range, Differential Static Pressure Airflow Switch (Siemens 141-0575)	260.70	72.19
23 09 23 53-0431	EA	-0.5" To 0.5" WG, Low Differential Pressure Transmitter (Siemens 141-0591)	372.64	72.19
23 09 23 53-0432	EA	Spring Clip Mounting Kit For Thermostat (Siemens 182-685)	53.03	10.69
23 09 23 53-0433	EA	Two Position, Pneumatic Circuit, RL243 Switching Relay (Siemens 243-0001)	179.10	106.86
23 09 23 53-0434	EA	3/4" Two Way, Normally Closed, 6.3 Cv, FxF, Brass Trim, Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 260-02012)	283.93	17.64
23 09 23 53-0435	EA	1" Three Way, 10 Cv, FxF, Stainless Steel Trim. Floating, Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 266-02079)	501.28	32.02
23 09 23 53-0436	EA	1" Three Way, 10 Cv, FxF, Brass Trim, 0 To 10 Volt DC, 4 To 20 mA Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 274-03203)	992.97	32.02
23 09 23 53-0437	EA	1-1/4" Two Way, 16 Cv, FxF, Stainless Steel Trim, 0 To 10 Volt DC Electronic Spring Return Actuator, Globe Valve And Actuator Assembly (Siemens 298-03006)	846.58	40.56
23 09 23 53-0438	EA	36" Rigid Probe, 4 To 20 mA, 20 To 120 Degree F Range, Duct Averaging Sensor (Siemens 535-490-36)	254.52	61.55
23 09 23 53-0439	EA	-58 To 122 Degree F Range, Outside Air Temperature Sensor (Siemens 536-768)	203.22	34.20
23 09 23 53-0440	EA	Unit Conditioner Controller With Secure Mode (Siemens 540-110C)	1,157.03	170.98
23 09 23 53-0441	EA	9-Pin, Female To RJ-11 Cable (Siemens 540-143)	77.70	5.34
23 09 23 53-0442	EA	Terminal Box Controller, Electronic Output, For Trane (Siemens 540-800)	1,303.66	170.98
23 09 23 53-0443	EA	MMI Extension Cable (Siemens 545-712)	172.41	5.34
23 09 23 53-0444	EA	Remote Pressure Transmitter (Siemens 547-003)	977.53	34.20
23 09 23 53-0445	EA	Cooling Only, GDE, BACnet Actuating Terminal Equipment Controller (Siemens 550-400)	669.59	85.48
23 09 23 53-0446	EA	BACnet Unit Conditioner Fan Coil Controller (Siemens 550-433)	551.65	85.48
23 09 23 53-0447	EA	Door Lock And Key Assembly (Siemens 567-225)	33.40	21.37
23 09 23 53-0448	EA	Insight Advanced Software Package (Siemens 571-010-381-USB) Note: Includes one user license and one sentinel key.	9,775.72	
23 09 23 53-0449	EA	BACnet Client Option For Insight Advanced Software Package (Siemens 571-188)	427.59	
23 09 23 53-0450	EA	Soft Controller Option For Insight Advanced Software Package (Siemens 571-620)	2,220.03	
23 09 23 53-0451	EA	1" Steam, Normally Open, 10 Cv, Stainless Steel Trim, Class 250 Globe Valve (Siemens 599-03059)	333.81	10.65
23 09 23 53-0452	EA	2" Steam, Normally Open, 40 Cv, Stainless Steel Trim, Class 250 Glove Valve (Siemens 599-03062)	698.51	18.45
23 09 23 53-0453	EA	Firefinder XLS Driver, Modular Equipment Controller With RS-485 BLN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, HOA-Ready (Siemens 986-83481C)	9,703.49	427.43
23 09 23 53-0454	EA	SiPass Driver, Modular Equipment Controller With RS-485 ALN, 8 DI, 8 DO, 8 AI, 8 AO, Point Expansion Support, Modem With HOA (Siemens 986-83482F)	10,837.54	427.43
23 09 23 53-0455	EA	7" x 13-7/16" x 3-3/4" Weather Shield (Siemens ASK75.3U)	124.75	16.03
23 09 23 53-0456	EA	Two Position, 24 Volt AC/Volt DC, Standard Cabling, Dual Auxiallary Switches, Electronic Damper Actuator With Spring Return (Siemens GMA126.1U)	479.78	80.56
23 09 23 53-0457	EA	Modulating, 0 To 10 Volt DC, 24 Volt AC/Volt DC, Standard Cabling, Electronic Damper Actuator With Spring Return (Siemens GMA161.1U)	499.46	80.56
23 09 23 53-0458	EA	License To Enable 4 TX-I/O Modules On the Island Bus And FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-36.A)	2,817.76	
23 09 23 53-0459	EA	License To Enable FLN Support On PXC-16 or PXC-24 "F" Models (Siemens LSM-FLN)	568.98	
23 09 23 53-0460	EA	License To Enable FLN Support On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-FLN36.A)	1,831.21	
23 09 23 53-0461	EA	License To Enable BACnet Field Panel Web Server (PXC-36) Or Web Services (PXC-16/24) (Siemens LSM-FPWEB)	1,310.89	
23 09 23 53-0462	EA	License To Enable 4 TX-I/O Modules On the Island Bus On Models PXC36-E.A And PXC36-PE.A (Siemens LSM-IB36.A)	1,126.91	
23 09 23 53-0463	EA	License To Enable SNMP Agent License To Enable SNMP Agent (Siemens LSM-SNMP)	3,331.65	
23 09 23 53-0464	EA	16-Switch HOA Upgrade Kit (Siemens PXA16-M)	535.40	2.14
23 09 23 53-0465	EA	16-Switch HOA Upgrade Kit (Extended Temp, UL 916) With HMI Cable (Siemens PXA16-MR)	596.87	8.55
23 09 23 53-0466	EA	8-Switch HOA Upgrade Kit (Siemens PXA8-M)	305.18	2.14
23 09 23 53-0467	EA	18" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC18)	373.01	21.37
23 09 23 53-0468	EA	19" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC19)	593.97	21.37
23 09 23 53-0469	EA	34" NEMA Type 1 Enclosure (Utility Cabinet) (Siemens PXA-ENC34)	788.01	21.37
23 09 23 53-0470	EA	Serial Cable Required For HOA Or PXM10T/S Connection To Non-Rooftop Variants Of The 16-Point And 24-Point Compact Series (Siemens PXA-HMI.CABLEP5)	32.02	10.69
23 09 23 53-0471	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB115V192VA)	749.77	53.43
23 09 23 53-0472	EA	115 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB115V384VA)	1,065.97	53.43
23 09 23 53-0473	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 192 VA PX Series Service Box (Siemens PXA-SB230V192VA)	866.27	53.43
23 09 23 53-0474	EA	230 Volt, 24 Volt AC, 50/60 Hertz, 384 VA PX Series Service Box (Siemens PXA-SB230V384VA)	1,199.12	53.43
23 09 23 53-0475	EA	PXC Modular, BACnet/IP Or MS/TP ALN, P1 Or MS/TP FLN, PXX-485.3 Is Also Required As The Connection To The FLN Devices (Siemens PXC00-E96.A)	5,756.29	598.41
23 09 23 53-0476	EA	PXC Modular Series For BACnet Networks, TX-I/O Module, 96 Node (Siemens PXC100-E96.A)	4,453.81	170.98
23 09 23 53-0477	EA	Peer To Peer, TX-I/O, 96 Node, APOGEE Automation System, Programmable Controller - Modular (Siemens PXC100-PE96.A)	7,530.88	683.89

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0478	EA	16 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC16.2-E.A)	2,675.56	320.58
23 09 23 53-0479	EA	16 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC16.2-EF.A)	2,901.29	320.58
23 09 23 53-0480	EA	16 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC16.2-M.A)	2,751.72	320.58
23 09 23 53-0481	EA	24 Point, BACnet/IP ALN Compact Programmable Controller (Siemens PXC24.2-E.A)	3,310.77	341.95
23 09 23 53-0482	EA	24 Point, BACnet/IP ALN, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-EF.A)	3,466.63	341.95
23 09 23 53-0483	EA	24 Point, BACnet/IP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-ER.A)	3,427.97	341.95
23 09 23 53-0484	EA	24 Point, BACnet/IP ALN, Rooftop, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC24.2-ERF.A)	3,567.62	341.95
23 09 23 53-0485	EA	24 Point, MS/TP ALN Compact Programmable Controller (Siemens PXC24.2-M.A)	3,424.45	341.95
23 09 23 53-0486	EA	24 Point, MS/TP ALN, Rooftop Compact Programmable Controller (Siemens PXC24.2-MR.A)	3,566.66	341.95
23 09 23 53-0487	EA	36 Point, BACnet/IP Or MS/TP ALN Compact Programmable Controller (Siemens PXC36-E.A)	5,408.82	598.41
23 09 23 53-0488	EA	36 Point, BACnet/IP or MS/TP ALN, Island Bus, P1 Or MS/TP FLN Compact Programmable Controller (Siemens PXC36-EF.A)	8,322.07	683.89
23 09 23 53-0489	EA	License To Enable The Island Bus On PXC00-E96.A and PXC00-PE96.A (Siemens PXF-TXIO.A)	845.35	
23 09 23 53-0490	EA	Controller Mounted Operator Display Module With Point Monitor And Optional Blue Backlight (Siemens PXM10S)	510.38	42.75
23 09 23 53-0491	EA	Controller Mounted Operator Display Module (Siemens PXM10T)	632.81	85.48
23 09 23 53-0492	EA	Provides FLN Support For The PXC Modular (Siemens PXX-485.3)	585.87	21.37
		Note: Includes Three RS-485 P1 FLN Connections Or One MS/TP FLN Connection, Maximum Of 96 Devices Supported		
23 09 23 53-0493	EA	Full Feature With Display, Override And Temperature Setpoint Adjustment, Room Temperature Sensor, 10K Ohm Type III Thermistor (Siemens QAA22SS.FWSN)	303.47	61.55
23 09 23 53-0494	EA	Digital Temperature Room Unit for TEC, Sensing, Setpoint, Override, Display, No Logo (Siemens QAA2280.FWNC)	206.58	34.20
23 09 23 53-0495	EA	4" Platinum, 1,000 Ohm, 385 Alpha Probe, Immersion Temperature Sensor (Siemens QAE2012.010)	137.70	34.20
23 09 23 53-0496	EA	8" Platinum, 1,000 Ohm, 385 Alpha Probe, Duct Temperature Sensor (Siemens QAM2012.020)	182.76	61.55
23 09 23 53-0497	EA	24' Flexible Averaging Probe (Siemens QAM2012.750)	276.76	61.55
23 09 23 53-0498	EA	2 Meter Flexible Duct Temperature Sensor With Four Mounting Clamps (Siemens QAM2120.200)	223.67	61.55
23 09 23 53-0499	EA	10 HP, 240 Volt, NEMA 2 Variable Frequency Drive (Siemens SED2-7.5/22X)	2,416.56	344.30
23 09 23 53-0500	EA	Two Sets, Address Keys 1 - 12, Accessory For TX-I/O Module (Siemens TXA1.K12)	29.63	10.69
23 09 23 53-0501	EA	Labels For HOA And TX-I/O Modules (Siemens TXA1.LLT-P100)	0.55	
23 09 23 53-0502	EA	16 Digital Input Module (Siemens TXM1.16D)	452.51	10.69
23 09 23 53-0503	EA	6 Digital Output Relay Points, Manual Override, Digital Output Module (Siemens TXM1.6R-M)	667.88	10.69
23 09 23 53-0504	EA	8 Universal Points, Local Override/Identification, Digital Output Module (Siemens TXM1.8X-ML)	1,052.21	21.37
23 09 23 53-0505	EA	1.2 A, 4A Fuse, Power Supply (Siemens TXS1.12F4)	386.81	34.20

23 09 23 53-0506 Trane Controls *(23 09 23 53)*

23 09 23 53-0507 Software *(23 09 23 53-0506)*

Note: Excludes programming, set-up and commissioning of application.

23 09 23 53-0508	EA	Summit + Building Management Package (Trane 40201152)	4,902.79	
23 09 23 53-0509	EA	Summit Current Version Software (Trane 40201111)	2,804.61	
23 09 23 53-0510	EA	Summit Customer Upgrade Package, Currently V10-V16 To V17 (Trane 40201113)	657.03	
23 09 23 53-0511	EA	Rover Service Software And Hardware, Complete Kit (Trane X1365150001)	2,789.29	
23 09 23 53-0512	EA	Tracer SC With -X1365152401 - BACnet (2 Pack) (Trane BMSC000AAA011000)	7,555.86	

23 09 23 53-0513 EMCS Central Equipment And Controllers *(23 09 23 53-0506)*

23 09 23 53-0514	EA	Summit BTMX Operator Display Upgrade (Trane 40201224)	5,035.28	427.43
23 09 23 53-0515	EA	Summit BTMX Retrofit Kit For BMTS And BMTW BCU (Trane 49500531)	10,367.65	427.43
23 09 23 53-0516	EA	Summit BTMX Retrofit Kit For Tracer 100 (Trane 49500532)	10,367.65	427.43
23 09 23 53-0517	EA	Summit BTMX, 120 Volt, (Trane BMTX-001-A-A-B0-00)	9,209.80	427.43
23 09 23 53-0518	EA	Summit BTMX, 120 Volt, With Display (Trane BMTX-001-A-A-B0-10)	10,556.02	427.43
23 09 23 53-0519	EA	Summit CCP Upgrade ROM Kit (Trane 40201095)	173.88	26.72
23 09 23 53-0520	EA	Summit Comm5 Repeater (Trane 49500457)	1,348.98	213.72
23 09 23 53-0521	EA	AHU Controller MP580/581 E Board Only (Trane 40201157)	2,197.35	267.14
23 09 23 53-0522	EA	AHU Controller MP581 120 Volt AC With Enclosure And Display (Trane BMTM000AAC01)	2,797.51	320.58
23 09 23 53-0523	EA	AHU Controller MP581 120 Volt AC With Enclosure, No Display (Trane BMTM000AAC00)	2,262.49	320.58
23 09 23 53-0524	EA	AHU Controller MP581 Operator Door Display (Trane 40201156)	1,960.63	320.58
23 09 23 53-0525	EA	AHU Controller MP581 Portable, Rugged, With Case (Trane 49500491)	1,958.29	320.58
23 09 23 53-0526	EA	Controller MP503 I/O Module With Metal Enclosure (Trane 49500590)	846.56	106.86
23 09 23 53-0527	EA	Controller MP503 I/O Module With Plastic Cover (Trane 49500490)	780.06	106.86
23 09 23 53-0528	EA	Controller MP581 EX2 Expansion Module With Metal Enclosure (Trane 49500500)	1,427.17	213.72
23 09 23 53-0529	EA	Controller MP581 EX2 Expansion Module With Plastic Cover (Trane 49500499)	1,372.02	213.72
23 09 23 53-0530	EA	2 Position, FCU Controller ZN511 Zone With Metal Enclosure (Trane 49500569)	755.69	106.86
23 09 23 53-0531	EA	2 Position, FCU Controller ZN511 Zone With Plastic Cover (Trane 4950-0469)	675.61	106.86
23 09 23 53-0532	EA	4 Position, FCU Controller ZN517 Zone With Metal Enclosure (Trane 49500596)	952.75	106.86
23 09 23 53-0533	EA	4 Position, FCU Controller ZN517 Zone With Plastic Cover (Trane 49500496)	873.10	106.86
23 09 23 53-0534	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 4950049)	762.82	106.86
23 09 23 53-0535	EA	Modulating FCU Controller ZN520 Zone With Plastic Cover (Trane 49500496)	731.94	106.86
23 09 23 53-0536	EA	Modulating Tri ST FCU Controller ZN521 Zone With Metal Cover (Trane 49500570)	826.15	106.86
23 09 23 53-0537	EA	Modulating Tri ST FCU Controller ZN521 Zone With Plastic Cover (Trane 49500470)	762.82	106.86
23 09 23 53-0538	EA	DDC VAV Retrofit Kit (Trane VRTODD01)	1,125.82	213.72
23 09 23 53-0539	EA	DDC VAV Retrofit Kit With Belimo Actuator (Trane VRTODD01BLMO)	1,204.58	213.72

23 09 23 53-0540 Network, VAV And Special Sensors *(23 09 23 53-0506)*

23 09 23 53-0541	EA	Digital Display Zone Sensor (Trane X13790464010)	176.26	34.20
23 09 23 53-0542	EA	Single Setpoint Wall Mounted Zone Temperature Sensor (Trane X13511529010)	124.65	34.20
23 09 23 53-0543	EA	Wall Mounted Zone Temperature-Only Sensor (Trane X13511528010)	115.95	34.20
23 09 23 53-0544	EA	Ceiling Mount Zone Occupancy Sensor (Trane X13790421-01)	214.93	38.47
23 09 23 53-0545	EA	Zone LCD O/C Setpoint, 3 Speed Fan (Trane 41901121)	136.53	34.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0546	EA	Zone Sensor LCD O/C Setpoint (Trane 41901120)	136.53	34.20
23 09 23 53-0547	EA	Duct CO2 Sensor, 0 To 2,000 ppm (Trane X13790423010)	440.53	61.55
23 09 23 53-0548	EA	Room CO2 Sensor, 0 To 2,000 ppm (Trane X13790422010)	389.54	34.20
23 09 23 53-0549	EA	Transformer 120/24 40 VA (Trane X13550284010)	111.60	34.20
23 09 23 53-0550	EA	Transformer 24 Volt AC Wall Plug-In (Trane 35803005)	108.49	34.20
23 09 23 53-0551	EA	Transformer UL Listed 120 Volt AC, 40 VA (Trane 35812022)	103.51	34.20
23 09 23 53-0552	EA	Controller UC400 VAV Kit With Enclosure, And Belimo (Trane 5189454010)	1,235.78	213.72
23 09 23 53-0553	EA	Controller UC400 VAV Kit With Enclosure, No Actuator (Trane 5189456010)	1,193.29	213.72
23 09 23 53-0554	EA	Controller UC400 XM32 Module (4 Relay) (Trane X13651563010)	1,104.73	213.72
23 09 23 53-0555	EA	Controller UC400 XM70 (8UI,6UI/AO,4R,1P) (Trane X13651568010)	1,909.95	320.58
23 09 23 53-0556	EA	Controller UC400 XM30 I/O Module (4 UI/AO) (Trane X13651537010)	1,104.73	213.72
23 09 23 53-0557	EA	Controller UC210 VAV With Belimo Actuator (Trane BMUC210AAA0B00011)	1,149.60	213.72
23 09 23 53-0558	EA	Controller UC210 VAV Without Actuator (Trane BMUC210AAA0100011)	1,153.23	213.72
23 09 23 53-0559	EA	Controller Optional Metal Enclosure, UC210 (Trane 501898)	447.14	212.81
23 09 23 53-0560	EA	Controller UC400 PM014 24 Volt AC To 1.4 Amperes, 24 Volt DC (Trane X1365153801)	596.91	212.81
23 09 23 53-0561	EA	Controller Tracer UC600 Controller (Trane BMUC600AAA0100011)	2,098.36	320.58
23 09 23 53-0562	EA	Controller UC600 Tracer TD7 Display (Trane X13651571010)	2,029.96	320.58
23 09 23 53-0563	EA	Controller UC600 TD7 Mounting Bracket (Trane X05010511010)	127.14	42.59
23 09 23 53-0564	EA	Controller UC400 13" DIN Rail Enclosure, 120 Volt (Trane X13651559010)	418.94	42.59
23 09 23 53-0565	EA	SC 24" DIN Rail Enclosure, 120 Volt (Trane X13651552010)	2,140.64	320.58
23 09 23 53-0566	EA	BACnet Term (2 Pack) (Trane X1365152401)	206.28	76.61
23 09 23 53-0567	EA	Tracer ES Add License (Trane X40250125010)	2,613.84	
23 09 23 53-0568	EA	Kit - Tracer TU For Controls (Trane X4509151201)	3,764.17	427.43
23 09 23 53-0569	EA	Kit - Tracer TU Complete (Trane X4509151301)	4,806.30	427.43
23 09 23 53-0570	EA	Tracer TU Adapter Wired/Wireless (Trane X13651529010)	469.93	76.61
23 09 23 53-0571	EA	Sensor Wireless Zone Sensor, Fahrenheit (Trane X13790492010)	286.50	76.61
23 09 23 53-0572	EA	Sensor Wireless Display Sensor (Trane X13790822010)	318.83	76.61
23 09 23 53-0573	EA	Sensor Wireless Receiver, 100mW (Trane X13790854010)	289.61	76.61
23 09 23 53-0574	EA	Sensor Wireless Comm Interface (WCI) Indoor, 100mW (Trane X13790901010)	378.95	76.61
23 09 23 53-0575	EA	Sensor Wireless Comm Interface (WCI) Outdoor, 100mW (Trane X13790941010)	409.40	76.61

23 09 23 53-0576 Control Sensors, Meters, Relays, Power Supplies, Valves, Dampers And Actuators *(23 09 23 53)*

23 09 23 53-0577 Room Pressure Monitoring *(23 09 23 53-0576)*

23 09 23 53-0578	EA	Hospital Room Pressure Monitor With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8640-PM)	2,232.01	48.83
23 09 23 53-0579	EA	Hospital Room Pressure Controller With Digital Interface Monitor, Through Wall Sensor Transformer And Plenum Rated Cable (TSI 8630-PC)	3,580.25	48.83
		Note: Excludes dampers and actuators.		
23 09 23 53-0580	EA	Hospital Room Pressure Status Remote Visual Display (TSI 8694-4)	288.09	29.30
23 09 23 53-0581	EA	Hospital Room Pressure Status Remote Negative/Neutral Key Switch (TSI 8694-7)	331.12	29.30

23 09 23 53-0582 Current Switches And Current Sensors *(23 09 23 53-0576)*

23 09 23 53-0583	EA	Up To 20 Amperes, 0 To 5 Volt DC, Current Sensor (Senva C-1203)	117.81	34.20
23 09 23 53-0584	EA	Up To 20 Amperes, 4-20mA, Current Sensor (Senva C-1205)	121.54	34.20
23 09 23 53-0585	EA	0.5 To 135 Amperes Range, Split Core, VFD Current Switch (Senva C-2350VFD-L)	176.26	34.20
23 09 23 53-0586	EA	0.15 To 100 Amperes Range, Split Core, Current Switch With NC Command Relay (Senva C-2300 And CR4-24)	112.84	34.20
23 09 23 53-0587	EA	0 To 50/100/200 Amperes (Selectable), 4-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970HCA)	303.11	34.20
23 09 23 53-0588	EA	0 To 20/40/80 Amperes (Selectable), 0-20mA, 0 To 5 Volt DC, Split Core, DC Current Sensor (Veris H970LCC)	200.92	34.20
23 09 23 53-0589	EA	1 To 135 Amperes, N.O. Contact, 1 Ampere At 110 Volt, Current Switch (Veris H709)	158.34	34.20
23 09 23 53-0590	EA	0 To 10/20/40 Amperes, 4-20mA Analog Output, Solid Core, Loop Powered, Current Switch (Veris H721)	158.34	34.20
23 09 23 53-0591	EA	Energy Meter H8163 Series, With BACnet Output (Veris H8186-CB-BAC)	3,785.41	170.98
23 09 23 53-0592	EA	100 Amperes, Modbus RTU, Power Transducer (Veris H8035-0100-2)	956.87	34.20
		Note: 3 phase networked transducer.		
23 09 23 53-0593	EA	2,400 Amperes, Three Current Switches, Pulse Output, Phase Loss Alarm Output, Energy Meter (Veris H8163-2400-4-3)	1,443.49	34.20
23 09 23 53-0594	EA	Up To 20 Amperes, 0-5 Volt DC, Current Transducer (Kele 4CTV)	168.35	34.20
23 09 23 53-0595	EA	Solid Core Fixed Setpoint Digital Output Current Switch (Veris H-800)	276.34	90.83
23 09 23 53-0596	EA	Split Core Fixed Setpoint Digital Output Current Switch (Veris H-900)	276.64	90.83
23 09 23 53-0597	EA	Solid Core Adjustable Setpoint Digital Output Current Sensor (Veris H-708)	291.56	90.83
23 09 23 53-0598	EA	Split Core Adjustable Setpoint Digital Output Current Sensor (Veris H-908)	295.29	90.83
23 09 23 53-0599	EA	Solid And Split Core Adjustable Setpoint Digital Output VFD Current Switch (Veris H-904)	316.44	90.83
23 09 23 53-0600	EA	Toggle Switch	116.31	42.75
23 09 23 53-0601	EA	Maintained Pushbutton Switch	122.40	42.75
23 09 23 53-0602	EA	Manual Time Switch	179.81	42.75
23 09 23 53-0603	EA	Emergency Stop Switch	282.47	42.75
23 09 23 53-0604	EA	Float Switch	300.18	42.75
23 09 23 53-0605	EA	Break Glass Switch	888.01	42.75
23 09 23 53-0606	EA	Boiler E-Stop Switch	603.04	42.75

23 09 23 53-0607 Relays *(23 09 23 53-0576)*

23 09 23 53-0608	EA	DPDT, 24 Volt AC, Blade, Standard Relay (Kele RH2B-UAC24V)	101.02	34.20
23 09 23 53-0609	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Multi-Voltage Relay Module (Kele PAM-1)	108.67	34.20
23 09 23 53-0610	EA	SPDT, 24 Volt AC/Volt DC, 120 Volt AC Power Relay (Kele RIB2401B)	150.21	42.75
		Note: Box type.		
23 09 23 53-0611	EA	Motor Starter Interface, 300msec Pulse (Kele PIL-2)	177.28	34.20
23 09 23 53-0612	EA	DP Relay Socket, DIN Rail Mounted (Kele SH2B-05)	95.48	34.20

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 23 53-0613	EA	SP Relay Socket, DIN Rail Mounted (Kele SH1B-05)	94.36	34.20
23 09 23 53-0614	EA	SPDT, 24 Volt AC, Blade, Standard Relay (Kele RH1B-UAC24V)	101.02	34.20
23 09 23 53-0615	EA	DPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH2B-ULAC24V)	104.52	34.20
23 09 23 53-0616	EA	SPDT, 24 Volt AC, Blade, Indicator Light Relay (Kele RH1B-ULAC24V)	105.48	34.20
23 09 23 53-0617	EA	SPDT Pilot Relay, Universal (Kele RIBU1C) Note: Box type.	117.99	42.75
23 09 23 53-0618	EA	SPST Pilot Relay With HOA Switch (Kele RIBU1S) Note: Box type.	149.20	42.75
23 09 23 53-0619	EA	SPDT 3 Phase Line Voltage Monitor, .1-5 Minute Delay On Break Timer (ICM400)	245.47	42.75
23 09 23 53-0620	EA	SPDT 3-Phase Line Voltage Monitor, 0-10 Minute Delay On Break Timer (ICM450)	244.09	42.75

23 09 23 53-0621 Transformers *(23 09 23 53-0576)*

23 09 23 53-0622	EA	50 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X050CBA)	116.99	34.20
23 09 23 53-0623	EA	75 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X075CAB)	125.67	34.20
23 09 23 53-0624	EA	75 VA, 120/208/240/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X075CBA)	125.67	34.20
23 09 23 53-0625	EA	100 VA, 120-24 Volt AC, CB Foot And Dual Hub Control Transformer (Veris X100CAB)	133.53	34.20
23 09 23 53-0626	EA	100 VA, 120/240/277/480-24 Volt AC, CB Foot And Single Hub Control Transformer (Veris X100CBA)	138.37	34.20

23 09 23 53-0627 Power Supplies *(23 09 23 53-0576)*

23 09 23 53-0628	EA	Solid Core Current Operated Switch, Terminals, Adjustable Trip, 0.5-150A, SPST (Kele RIBXKTA)	165.83	34.20
23 09 23 53-0629	EA	AC/DC Power Supply, 1.2 Amperes At 24 Volt Output (Kele DCPA-1.2)	189.92	34.20
23 09 23 53-0630	EA	DC Power Supply, 5 Volt DC And 24 Volt DC Output (Kele DCP-524)	179.06	34.20
23 09 23 53-0631	EA	DC Power Supply, 24 Volt DC, DIN Rail Mounted (Kele DCP-250-D)	184.20	34.20
23 09 23 53-0632	EA	DC Power Supply, 24 Volt DC, Hub Mounted (Kele DCP-250-H)	179.62	34.20
23 09 23 53-0633	EA	DC Power Supply, 24 Volt DC, Panel Mounted (Kele DCP-250-P)	187.28	34.20
23 09 23 53-0634	EA	DC Power Supply, 24 Volt AC In To Custom DC Out, At 1.5 Amperes (Kele DCP-1.5-W-C)	145.12	34.20

23 09 43 Pneumatic Control System For HVAC *(23 09)*

23 09 43 00-0001 Pneumatic Tubing For HVAC Instrumentation and Control Devices *(23 09 43)*

23 09 43 00-0002 Polyurethane Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0003	LF	1/4" Outside Diameter x 1/32" Thick Wall Polyurethane Pneumatic Tubing	2.02	0.84
23 09 43 00-0004	LF	5/32" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	2.48	0.86
23 09 43 00-0005	LF	3/8" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.12	0.89
23 09 43 00-0006	LF	1/2" Outside Diameter x 1/16" Thick Wall Polyurethane Pneumatic Tubing	3.85	0.91

23 09 43 00-0007 Fire Resistant Polyethylene Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0008	LF	1/4" Outside Diameter x .040" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.85	0.84
23 09 43 00-0009	LF	5/32" Outside Diameter x .030" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	1.98	0.86
23 09 43 00-0010	LF	3/8" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.21	0.89
23 09 43 00-0011	LF	1/2" Outside Diameter x .062" Thick Wall Fire Resistant Polyethylene Pneumatic Tubing	2.66	0.91

23 09 43 00-0012 Nylon Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0013	LF	1/8" Outside Diameter x .016" Thick Wall Nylon Pneumatic Tubing	2.11	0.81
23 09 43 00-0014	LF	1/4" Outside Diameter x .035" Thick Wall Nylon Pneumatic Tubing	2.68	0.84
23 09 43 00-0015	LF	3/8" Outside Diameter x .050" Thick Wall Nylon Pneumatic Tubing	3.86	0.89
23 09 43 00-0016	LF	1/2" Outside Diameter x .062" Thick Wall Nylon Pneumatic Tubing	4.84	0.91

23 09 43 00-0017 Flexible Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0018	LF	1/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	2.08	0.84
23 09 43 00-0019	LF	3/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.14	0.89
23 09 43 00-0020	LF	1/2" Outside Diameter Flexible Vinyl Pneumatic Tubing	3.71	0.91
23 09 43 00-0021	LF	5/8" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.43	0.94
23 09 43 00-0022	LF	3/4" Outside Diameter Flexible Vinyl Pneumatic Tubing	4.97	0.97
23 09 43 00-0023	LF	1" Outside Diameter Flexible Vinyl Pneumatic Tubing	6.65	0.99

23 09 43 00-0024 Braided Vinyl Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0025	LF	5/8" Outside Diameter Braided Vinyl Pneumatic Tubing	2.73	0.94
23 09 43 00-0026	LF	3/4" Outside Diameter Braided Vinyl Pneumatic Tubing	3.11	0.97
23 09 43 00-0027	LF	1" Outside Diameter Braided Vinyl Pneumatic Tubing	3.78	0.99

23 09 43 00-0028 Copper Pneumatic Tubing *(23 09 43 00-0001)*

23 09 43 00-0029	LF	1/4" Outside Diameter Copper Pneumatic Tubing	4.49	1.81
23 09 43 00-0030	LF	3/8" Outside Diameter Copper Pneumatic Tubing	5.42	2.08
23 09 43 00-0031	LF	1/2" Outside Diameter Copper Pneumatic Tubing	6.30	2.39
23 09 43 00-0032	LF	5/8" Outside Diameter Copper Pneumatic Tubing	7.71	2.76
23 09 43 00-0033	LF	3/4" Outside Diameter Copper Pneumatic Tubing	8.78	3.17

23 09 43 00-0034 Brass Couplings *(23 09 43 00-0001)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 09 43 00-0035		Straight Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0036	EA	1/4" x 1/4" Straight Brass Coupling	9.74	4.56
23 09 43 00-0037	EA	3/8" x 1/4" Straight Brass Coupling	9.84	4.56
23 09 43 00-0038	EA	3/8" x 3/8" Straight Brass Coupling	9.94	4.56
23 09 43 00-0039		Elbow Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0040	EA	1/4" x 1/4" Elbow Brass Coupling	10.30	4.56
23 09 43 00-0041	EA	3/8" x 3/8" Elbow Brass Coupling	10.64	4.56
23 09 43 00-0042		Tee Brass Couplings *(23 09 43 00-0034)* Note: Barb x Barb		
23 09 43 00-0043	EA	1/4" x 1/4" x 1/4" Tee Brass Coupling	15.75	7.10
23 09 43 00-0044	EA	3/8" x 3/8" x 1/4" Tee Brass Coupling	17.98	7.60
23 09 43 00-0045	EA	3/8" x 3/8" x 3/8" Tee Brass Coupling	17.62	7.60

23 10 Facility Fuel Systems *(23)*

23 11 Facility Fuel Piping *(23 10)*

23 11 23 Facility Natural-Gas Piping *(23 11)*

23 11 23 00-0001		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Piping *(23 11 23)*		
23 11 23 00-0002		Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)* Note: Includes UV resistant polyethylene jacket. Excludes fittings and pipe hangers.		
23 11 23 00-0003	LF	3/8" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.10	1.78
23 11 23 00-0004	LF	1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	5.61	1.93
23 11 23 00-0005	LF	3/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	6.68	2.08
23 11 23 00-0006	LF	1" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	8.35	2.20
23 11 23 00-0007	LF	1-1/4" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	9.78	2.32
23 11 23 00-0008	LF	1-1/2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	14.67	2.41
23 11 23 00-0009	LF	2" Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	19.73	2.57
23 11 23 00-0010		Fittings And Accessories For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0001)*		
23 11 23 00-0011		Male Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0012	EA	3/8" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.51	
23 11 23 00-0013	EA	3/8" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	24.51	
23 11 23 00-0014	EA	1/2" x 3/8", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.26	
23 11 23 00-0015	EA	1/2" x 1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.26	
23 11 23 00-0016	EA	3/4" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.31	
23 11 23 00-0017	EA	1" x 3/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.44	
23 11 23 00-0018	EA	1" x 1", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	42.44	
23 11 23 00-0019	EA	1-1/4" x 1-1/4", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.70	
23 11 23 00-0020	EA	1-1/2" x 1-1/2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	127.62	
23 11 23 00-0021	EA	2" x 2", (CSST x Threaded) Male Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	205.27	
23 11 23 00-0022		Female Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0023	EA	3/8" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	23.78	
23 11 23 00-0024	EA	1/2" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.26	
23 11 23 00-0025	EA	1/2" x 3/8", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.26	
23 11 23 00-0026	EA	3/4" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.31	
23 11 23 00-0027	EA	3/4" x 1/2", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.31	
23 11 23 00-0028	EA	1" x 3/4", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.67	
23 11 23 00-0029	EA	1" x 1", (CSST x Threaded) Female Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	40.67	
23 11 23 00-0030		Reducing Adaptors For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*		
23 11 23 00-0031	EA	3/4" x 1/2", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.74	
23 11 23 00-0032	EA	1" x 3/4", (CSST x Threaded) Reducing Adaptor For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	41.32	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 11 23 00-0033 Couplings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0034	EA	3/8" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.32	
23 11 23 00-0035	EA	1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	35.78	
23 11 23 00-0036	EA	3/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.56	
23 11 23 00-0037	EA	1" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.10	
23 11 23 00-0038	EA	1-1/4" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	116.39	
23 11 23 00-0039	EA	1-1/2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	225.12	
23 11 23 00-0040	EA	2" Coupling For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	372.35	

23 11 23 00-0041 Tees For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0042	EA	1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.83	
23 11 23 00-0043	EA	3/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.71	
23 11 23 00-0044	EA	1" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	110.56	
23 11 23 00-0045	EA	1-1/4" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	188.32	
23 11 23 00-0046	EA	1-1/2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	202.39	
23 11 23 00-0047	EA	2" Tee For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	232.04	

23 11 23 00-0048 Indoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0049	EA	3/8" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.19	
23 11 23 00-0050	EA	1/2" x 1/2", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	30.24	
23 11 23 00-0051	EA	3/4" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.86	
23 11 23 00-0052	EA	1" x 3/4", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	43.61	
23 11 23 00-0053	EA	1" x 1", (CSST x Threaded) Indoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	44.22	

23 11 23 00-0054 Outdoor Termination Fittings For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0055	EA	3/8" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.00	
23 11 23 00-0056	EA	1/2" x 1/2", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	32.93	
23 11 23 00-0057	EA	3/4" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	38.55	
23 11 23 00-0058	EA	1" x 3/4", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.21	
23 11 23 00-0059	EA	1" x 1", (CSST x Threaded) Outdoor Termination Fitting For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	45.21	

23 11 23 00-0060 Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0061	EA	3/8" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	51.99	
23 11 23 00-0062	EA	1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	53.32	
23 11 23 00-0063	EA	3/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.81	
23 11 23 00-0064	EA	1" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	86.07	
23 11 23 00-0065	EA	1-1/4" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	89.29	
23 11 23 00-0066	EA	1-1/2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	126.74	
23 11 23 00-0067	EA	2" Indoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	156.52	

23 11 23 00-0068 Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe *(23 11 23 00-0010)*

23 11 23 00-0069	EA	3/8" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.71	
23 11 23 00-0070	EA	1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	55.98	
23 11 23 00-0071	EA	3/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	61.40	
23 11 23 00-0072	EA	1" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	107.46	
23 11 23 00-0073	EA	1-1/4" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	110.86	
23 11 23 00-0074	EA	1-1/2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	150.78	
23 11 23 00-0075	EA	2" Outdoor Floor Flange Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	189.09	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0076		**Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0077	EA	1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	31.16	
23 11 23 00-0078	EA	3/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.60	
23 11 23 00-0079	EA	1" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	50.05	
23 11 23 00-0080	EA	1-1/4" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	75.92	
23 11 23 00-0081	EA	1-1/2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	145.34	
23 11 23 00-0082	EA	2" Indoor Bracket Termination Assembly For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	230.02	
23 11 23 00-0083		**Stub-Outs For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting plate.		
23 11 23 00-0084	EA	1/2" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.93	
23 11 23 00-0085	EA	3/4" Appliance Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	29.32	
23 11 23 00-0086	EA	1/2" Fireplace Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	26.96	
23 11 23 00-0087	EA	1/2" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	27.04	
23 11 23 00-0088	EA	3/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	28.23	
23 11 23 00-0089	EA	1" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	33.31	
23 11 23 00-0090	EA	1-1/4" Meter Stub-Out For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	39.80	
23 11 23 00-0091		**Flush Mount Gas Valve Kits For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes flush fitting plastic valve box and 90 degree brass shut-off valve.		
23 11 23 00-0092	EA	1/2" x 1/2", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	75.52	18.67
23 11 23 00-0093	EA	3/4" x 3/4", (CSST x Threaded) Flush Mount Gas Valve Kit For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	84.99	19.60
23 11 23 00-0094		**Shut-Off Valves For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0095	EA	3/8" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	54.85	16.34
23 11 23 00-0096	EA	1/2" x 1/2", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	63.91	19.41
23 11 23 00-0097	EA	3/4" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	78.30	23.34
23 11 23 00-0098	EA	1" x 3/4", (CSST x Threaded) Shut-Off Valve For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	98.39	31.17
23 11 23 00-0099		**Manifolds For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
		Note: Includes mounting hardware.		
23 11 23 00-0100	EA	1/2" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	67.22	19.41
23 11 23 00-0101	EA	3/4" Inlet, Three 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	76.57	23.34
23 11 23 00-0102	EA	1/2" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	71.69	19.41
23 11 23 00-0103	EA	3/4" Inlet, Four 1/2" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	79.46	23.34
23 11 23 00-0104	EA	2" x 1-1/2" Inlet, Four 1" Outlets, Manifold For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	154.62	58.34
23 11 23 00-0105		**Pressure Regulators For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe** *(23 11 23 00-0010)*		
23 11 23 00-0106	EA	1/2" Port, 250 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.84	19.41
23 11 23 00-0107	EA	1/2" Port, 355 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	70.84	19.41
23 11 23 00-0108	EA	1/2" Port, 425 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	97.60	19.41
23 11 23 00-0109	EA	3/4" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	105.37	23.34
23 11 23 00-0110	EA	3/4" Port, 810 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	105.37	23.34
23 11 23 00-0111	EA	1" Port, 550 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	120.93	31.17
23 11 23 00-0112	EA	1-1/4" Port, 1,000 MBTU Pressure Regulator For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	178.30	35.00
23 11 23 00-0113	EA	1/2" Port, 200 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	92.87	19.41
23 11 23 00-0114	EA	3/4" Port, 425 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	226.58	23.34
23 11 23 00-0115	EA	1-1/4" Port, 900 MBTU Pressure Regulator With Over Pressure Protection Device For Corrugated Stainless Steel Tubing (CSST), Flexible Gas Pipe	546.16	35.00
23 11 23 00-0116		**Polymer Coated Stainless Steel, Flexible Gas Appliance Connectors (Brass Craft)** *(23 11 23)*		
23 11 23 00-0117		**3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0118	EA	12" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-12)	45.96	14.00
23 11 23 00-0119	EA	18" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-18)	51.20	14.93
23 11 23 00-0120	EA	24" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-24)	56.22	14.93
23 11 23 00-0121	EA	30" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-30)	59.23	15.87

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23 11 23 00-0122	EA	36" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-36)	63.18	15.87
23 11 23 00-0123	EA	48" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-48)	72.55	16.80
23 11 23 00-0124	EA	60" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-60)	81.02	16.80
23 11 23 00-0125	EA	72" Length, 3/4" MIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC11-72)	89.40	17.74

23 11 23 00-0126 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0127	EA	12" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-12)	45.96	14.00
23 11 23 00-0128	EA	18" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-18)	51.20	14.93
23 11 23 00-0129	EA	24" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-24)	56.22	14.93
23 11 23 00-0130	EA	30" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-30)	59.23	15.87
23 11 23 00-0131	EA	36" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-36)	63.18	15.87
23 11 23 00-0132	EA	48" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-48)	72.55	16.80
23 11 23 00-0133	EA	60" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-60)	81.02	16.80
23 11 23 00-0134	EA	72" Length, 3/4" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC14-72)	89.40	17.74

23 11 23 00-0135 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0136	EA	12" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-12)	45.96	14.00
23 11 23 00-0137	EA	18" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-18)	51.20	14.93
23 11 23 00-0138	EA	24" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-24)	56.22	14.93
23 11 23 00-0139	EA	30" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-30)	59.23	15.87
23 11 23 00-0140	EA	36" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-36)	63.18	15.87
23 11 23 00-0141	EA	48" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-48)	72.55	16.80
23 11 23 00-0142	EA	60" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-60)	81.02	16.80
23 11 23 00-0143	EA	72" Length, 3/4" MIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC15-72)	89.40	17.74

23 11 23 00-0144 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0145	EA	12" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-12)	45.96	14.00
23 11 23 00-0146	EA	18" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-18)	51.20	14.93
23 11 23 00-0147	EA	24" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-24)	69.86	14.93
23 11 23 00-0148	EA	30" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-30)	59.23	15.87
23 11 23 00-0149	EA	36" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-36)	63.18	15.87
23 11 23 00-0150	EA	48" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-48)	72.55	16.80
23 11 23 00-0151	EA	60" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-60)	81.02	16.80
23 11 23 00-0152	EA	72" Length, 3/4" FIP x 3/4" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC21-72)	89.40	17.74

23 11 23 00-0153 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0154	EA	12" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-12)	51.22	14.00
23 11 23 00-0155	EA	18" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-18)	57.73	14.93
23 11 23 00-0156	EA	24" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-24)	56.22	14.93
23 11 23 00-0157	EA	30" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-30)	67.56	15.87
23 11 23 00-0158	EA	36" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-36)	63.18	15.87

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0159	EA	48" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-48)	72.55	16.80
23 11 23 00-0160	EA	60" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-60)	81.02	16.80
23 11 23 00-0161	EA	72" Length, 3/4" FIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC22-72)	89.40	17.74

23 11 23 00-0162 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0163	EA	12" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-12)	45.96	14.00
23 11 23 00-0164	EA	24" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-24)	63.94	14.93
23 11 23 00-0165	EA	30" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-30)	59.23	15.87
23 11 23 00-0166	EA	36" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-36)	63.18	15.87
23 11 23 00-0167	EA	48" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-48)	72.55	16.80
23 11 23 00-0168	EA	60" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-60)	94.92	16.80
23 11 23 00-0169	EA	72" Length, 3/4" FIP Elbow x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC23-72)	89.40	17.74

23 11 23 00-0170 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0171	EA	12" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-12)	45.96	14.00
23 11 23 00-0172	EA	18" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-18)	51.20	14.93
23 11 23 00-0173	EA	24" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-24)	56.22	14.93
23 11 23 00-0174	EA	30" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-30)	59.23	15.87
23 11 23 00-0175	EA	36" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-36)	63.18	15.87
23 11 23 00-0176	EA	48" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-48)	72.55	16.80
23 11 23 00-0177	EA	60" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-60)	81.02	16.80
23 11 23 00-0178	EA	72" Length, 3/4" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC24-72)	89.40	17.74

23 11 23 00-0179 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0180	EA	12" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-12)	45.96	14.00
23 11 23 00-0181	EA	18" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-18)	51.20	14.93
23 11 23 00-0182	EA	24" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-24)	56.22	14.93
23 11 23 00-0183	EA	30" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-30)	59.23	15.87
23 11 23 00-0184	EA	36" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-36)	63.18	15.87
23 11 23 00-0185	EA	48" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-48)	72.55	16.80
23 11 23 00-0186	EA	60" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-60)	81.02	16.80
23 11 23 00-0187	EA	72" Length, 3/4" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC25-72)	89.40	17.74

23 11 23 00-0188 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0189	EA	18" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-18)	57.73	14.93
23 11 23 00-0190	EA	24" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-24)	56.22	14.93
23 11 23 00-0191	EA	30" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-30)	67.56	15.87
23 11 23 00-0192	EA	36" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-36)	72.39	15.87
23 11 23 00-0193	EA	48" Length, 3/4" FIP Elbow x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC34-48)	84.25	16.80

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0194		**1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0195	EA	12" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-12)	45.96	14.00
23 11 23 00-0196	EA	18" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-18)	51.20	14.93
23 11 23 00-0197	EA	24" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-24)	50.76	14.93
23 11 23 00-0198	EA	30" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-30)	59.23	15.87
23 11 23 00-0199	EA	36" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-36)	56.65	15.87
23 11 23 00-0200	EA	48" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-48)	74.54	16.80
23 11 23 00-0201	EA	60" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-60)	81.02	16.80
23 11 23 00-0202	EA	72" Length, 1/2" MIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC44-72)	89.40	17.74
23 11 23 00-0203		**1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0204	EA	12" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-12)	45.96	14.00
23 11 23 00-0205	EA	18" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-18)	46.75	14.93
23 11 23 00-0206	EA	24" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-24)	47.75	14.93
23 11 23 00-0207	EA	30" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-30)	59.23	15.87
23 11 23 00-0208	EA	36" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-36)	63.18	15.87
23 11 23 00-0209	EA	48" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-48)	64.03	16.80
23 11 23 00-0210	EA	60" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-60)	81.02	16.80
23 11 23 00-0211	EA	72" Length, 1/2" FIP x 1/2" MIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC54-72)	89.40	17.74
23 11 23 00-0212		**1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0213	EA	12" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-12)	45.96	14.00
23 11 23 00-0214	EA	18" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-18)	51.20	14.93
23 11 23 00-0215	EA	24" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-24)	56.22	14.93
23 11 23 00-0216	EA	30" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-30)	59.23	15.87
23 11 23 00-0217	EA	36" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-36)	52.11	15.87
23 11 23 00-0218	EA	48" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-48)	72.55	16.80
23 11 23 00-0219	EA	60" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-60)	81.02	16.80
23 11 23 00-0220	EA	72" Length, 1/2" FIP x 1/2" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC55-72)	89.40	17.74
23 11 23 00-0221		**3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0222	EA	12" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-12)	64.69	14.00
23 11 23 00-0223	EA	18" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-18)	69.89	14.93
23 11 23 00-0224	EA	24" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-24)	74.91	14.93
23 11 23 00-0225	EA	30" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-30)	77.90	15.87
23 11 23 00-0226	EA	36" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-36)	82.02	15.87
23 11 23 00-0227	EA	48" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-48)	90.81	16.80
23 11 23 00-0228	EA	60" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-60)	100.03	16.80
23 11 23 00-0229	EA	72" Length, 3/4" MIP x 3/4" FIP, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC1J-72)	108.43	17.74

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0230		**3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0231	EA	12" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-12)	74.02	18.67
23 11 23 00-0232	EA	18" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-18)	79.23	19.60
23 11 23 00-0233	EA	24" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-24)	84.24	19.60
23 11 23 00-0234	EA	30" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-30)	87.24	20.53
23 11 23 00-0235	EA	36" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-36)	91.35	20.53
23 11 23 00-0236	EA	48" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-48)	100.14	21.47
23 11 23 00-0237	EA	60" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-60)	109.37	21.47
23 11 23 00-0238	EA	72" Length, 3/4" FIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2J-72)	117.76	22.40
23 11 23 00-0239		**3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0240	EA	12" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	74.02	18.67
23 11 23 00-0241	EA	18" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	79.23	19.60
23 11 23 00-0242	EA	24" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	84.24	19.60
23 11 23 00-0243	EA	30" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	87.24	20.53
23 11 23 00-0244	EA	36" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	91.35	20.53
23 11 23 00-0245	EA	48" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	100.14	21.47
23 11 23 00-0246	EA	60" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	109.37	21.47
23 11 23 00-0247	EA	72" Length, 3/4" MIP x 3/4" FIP Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-72)	117.76	22.40
23 11 23 00-0248		**3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0249	EA	12" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-12)	89.24	18.67
23 11 23 00-0250	EA	18" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-18)	94.46	19.60
23 11 23 00-0251	EA	24" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-24)	99.46	19.60
23 11 23 00-0252	EA	30" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-30)	102.46	20.53
23 11 23 00-0253	EA	36" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-36)	106.60	20.53
23 11 23 00-0254	EA	48" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-48)	115.37	21.47
23 11 23 00-0255	EA	60" Length, 3/4" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4J-60)	124.61	21.47
23 11 23 00-0256		**3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0257	EA	12" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-12)	89.24	18.67
23 11 23 00-0258	EA	18" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-18)	94.46	19.60
23 11 23 00-0259	EA	24" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-24)	99.46	19.60
23 11 23 00-0260	EA	36" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-36)	106.60	20.53
23 11 23 00-0261	EA	48" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-48)	115.37	21.47
23 11 23 00-0262	EA	60" Length, 3/4" FIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC2P-60)	124.61	21.47
23 11 23 00-0263		**1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft)** *(23 11 23 00-0116)*		
23 11 23 00-0264	EA	12" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-12)	89.24	18.67
23 11 23 00-0265	EA	18" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-18)	94.46	19.60

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 23 00-0266	EA	24" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-24)	99.46	19.60
23 11 23 00-0267	EA	30" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-30)	102.46	20.53
23 11 23 00-0268	EA	36" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-36)	106.60	20.53
23 11 23 00-0269	EA	48" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-48)	115.37	21.47
23 11 23 00-0270	EA	60" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-60)	124.61	21.47
23 11 23 00-0271	EA	72" Length, 1/2" MIP x 3/4" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4P-72)	132.99	22.40

23 11 23 00-0272 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0273	EA	12" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-12)	70.00	18.67
23 11 23 00-0274	EA	18" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-18)	75.24	19.60
23 11 23 00-0275	EA	24" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-24)	80.28	19.60
23 11 23 00-0276	EA	30" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-30)	83.23	20.53
23 11 23 00-0277	EA	36" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-36)	87.36	20.53
23 11 23 00-0278	EA	48" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-48)	96.12	21.47
23 11 23 00-0279	EA	72" Length, 1/2" MIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC4K-72)	113.71	22.40

23 11 23 00-0280 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft) *(23 11 23 00-0116)*

23 11 23 00-0281	EA	18" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-18)	86.07	19.60
23 11 23 00-0282	EA	24" Length, 1/2" FIP x 1/2" FIP Angle Ball Valve, 1/2" Diameter, Polymer Coated Stainless Steel, Flexible Gas Appliance Connector (Brass Craft CSSC5K-24)	92.30	19.60

23 11 23 00-0283 Quarter-Turn, Gas Ball Valve *(23 11 23)*

23 11 23 00-0284	EA	3/8" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top™ T-3000 102-102)	40.01	9.93
23 11 23 00-0285	EA	1/2" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-103)	39.38	10.14
23 11 23 00-0286	EA	3/4" FIP x FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-104)	57.93	11.15
23 11 23 00-0287	EA	3/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-112)	39.55	9.93
23 11 23 00-0288	EA	1/2" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-113)	41.57	10.14
23 11 23 00-0289	EA	1/2" Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-118)	48.01	10.14
23 11 23 00-0290	EA	5/8" Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-121)	50.98	10.64
23 11 23 00-0291	EA	5/8" (7/8"-14) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-114)	54.26	10.64
23 11 23 00-0292	EA	5/8" (15/16"-16) Flare x 3/4" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-115)	54.26	10.64
23 11 23 00-0293	EA	3/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-312)	42.00	9.93
23 11 23 00-0294	EA	1/2" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-313)	44.02	10.14
23 11 23 00-0295	EA	5/8" Flare x Flare, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-314)	55.99	10.64
23 11 23 00-0296	EA	1/2" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-413)	44.34	10.14
23 11 23 00-0297	EA	3/4" FIP x 1/8" Texas Pattern, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-414)	59.78	11.15
23 11 23 00-0298	EA	3/8" (9/16"-24) Flare x 1/2" FIP, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3000 102-119)	41.88	9.93
23 11 23 00-0299	EA	3/8" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-612)	39.23	9.93
23 11 23 00-0300	EA	1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-613)	39.37	10.14
23 11 23 00-0301	EA	3/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-614)	54.40	11.15
23 11 23 00-0302	EA	1" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-615)	76.02	12.67
23 11 23 00-0303	EA	1-1/4" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-616)	112.66	13.17
23 11 23 00-0304	EA	1-1/2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-617)	134.97	15.20
23 11 23 00-0305	EA	2" T-Handle, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3001 102-618)	168.29	18.24
23 11 23 00-0306	EA	1/2" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-713)	40.79	10.14
23 11 23 00-0307	EA	3/4" Flathead, 175 PSI, Forged Brass, Quarter-Turn, Gas Ball Valve (Legend Blue Top T-3002 102-714)	53.96	11.15

23 11 23 00-0308 Gas Stops *(23 11 23)*

23 11 23 00-0309 Brass/Bronze Gas Stops *(23 11 23 00-0308)*

Note: Flat or square head

23 11 23 00-0310	EA	3/8" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	45.26	10.14
23 11 23 00-0311	EA	1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	45.40	10.14
23 11 23 00-0312	EA	3/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	59.65	11.15
23 11 23 00-0313	EA	1" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	83.37	12.67
23 11 23 00-0314	EA	1-1/4" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	110.72	13.48
23 11 23 00-0315	EA	1-1/2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	139.08	15.61

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23 11 23 00-0316	EA	2" Threaded, Flat Head, Bronze Gas Valve (A.Y. McDonald 10596)	191.95	18.44

23 11 23 00-0317 Iron Body Gas Stops *(23 11 23 00-0308)*

23 11 23 00-0318	EA	1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	60.53	10.14
23 11 23 00-0319	EA	3/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	74.54	11.15
23 11 23 00-0320	EA	1" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	92.35	12.67
23 11 23 00-0321	EA	1-1/4" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	119.44	13.48
23 11 23 00-0322	EA	1-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	150.03	15.61
23 11 23 00-0323	EA	2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	194.44	18.44
23 11 23 00-0324	EA	2-1/2" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	374.10	24.92
23 11 23 00-0325	EA	3" Threaded, Bronze Flat Head Plug, Iron Body Gas Valve (A.Y. McDonald 10685B)	500.74	28.93

23 11 23 00-0326 Bronze Body Solenoid Valves, 150 PSI Gas *(23 11 23)*

23 11 23 00-0327	EA	1/4" Solenoid Valve, Bronze, 150 PSI, Gas	151.83	10.14
23 11 23 00-0328	EA	1/2" Solenoid Valve, Bronze, 150 PSI, Gas	176.93	10.14
23 11 23 00-0329	EA	3/4" Solenoid Valve, Bronze, 150 PSI, Gas	225.43	11.15
23 11 23 00-0330	EA	1" Solenoid Valve, Bronze, 150 PSI, Gas	337.42	12.67
23 11 23 00-0331	EA	1-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	602.42	15.61
23 11 23 00-0332	EA	2" Solenoid Valve, Bronze, 150 PSI, Gas	1,022.95	18.44
23 11 23 00-0333	EA	2-1/2" Solenoid Valve, Bronze, 150 PSI, Gas	1,267.94	24.92
23 11 23 00-0334	EA	3" Solenoid Valve, Bronze, 150 PSI, Gas	1,907.98	28.93

23 11 26 Facility Liquefied-Petroleum Gas Piping *(23 11)*

23 11 26 00-0001 Fiberglass Reinforced Plastic Pipe And Fittings *(23 11 26)*

23 11 26 00-0002 Fiberglass Reinforced Plastic Pipe *(23 11 26 00-0001)*

Note: For double containment fiberglass pipe, select both outer containment pipe size and inner containment pipe size (include in modifier for use as inner pipe).

23 11 26 00-0003	LF	2" Fiberglass Reinforced Plastic Pipe	16.68	6.72
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-7.52*	
23 11 26 00-0004	LF	3" Fiberglass Reinforced Plastic Pipe	20.00	8.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-9.03*	
23 11 26 00-0005	LF	4" Fiberglass Reinforced Plastic Pipe	26.88	11.85
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.31*	
23 11 26 00-0006	LF	5" Fiberglass Reinforced Plastic Pipe	31.38	13.62
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-14.99*	
23 11 26 00-0007	LF	6" Fiberglass Reinforced Plastic Pipe	36.52	15.22
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-17.15*	
23 11 26 00-0008	LF	8" Fiberglass Reinforced Plastic Pipe	49.01	18.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.37*	
23 11 26 00-0009	LF	10" Fiberglass Reinforced Plastic Pipe	64.27	21.56
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-24.29*	
23 11 26 00-0010	LF	12" Fiberglass Reinforced Plastic Pipe	95.46	27.15
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-30.56*	

23 11 26 00-0011 Fiberglass Reinforced Plastic Fittings *(23 11 26 00-0001)*

23 11 26 00-0012 Fiberglass Reinforced Plastic Flanged 90 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0013	EA	2" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	133.45	66.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-75.28*	
23 11 26 00-0014	EA	3" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	157.93	80.36
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-90.33*	
23 11 26 00-0015	EA	4" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	188.12	93.34
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-104.93*	
23 11 26 00-0016	EA	5" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	227.87	107.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.33*	
23 11 26 00-0017	EA	6" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	272.42	120.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.32*	
23 11 26 00-0018	EA	8" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	382.93	150.39
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.16*	
23 11 26 00-0019	EA	10" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	487.99	181.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-203.72*	
23 11 26 00-0020	EA	12" Fiberglass Reinforced Plastic Flanged 90 Degree Elbow	727.10	224.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.61*	

23 11 26 00-0021 Fiberglass Reinforced Plastic Flanged 45 Degree Elbows *(23 11 26 00-0011)*

23 11 26 00-0022	EA	2" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	133.70	66.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-75.28*	
23 11 26 00-0023	EA	3" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	158.00	80.36
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-90.33*	
23 11 26 00-0024	EA	4" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	188.38	93.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.01*	
23 11 26 00-0025	EA	5" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	233.47	110.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-122.51*	
23 11 26 00-0026	EA	6" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	272.33	120.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0027	EA	8" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	382.93	150.39
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.16*	
23 11 26 00-0028	EA	10" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	560.58	181.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-203.72*	
23 11 26 00-0029	EA	12" Fiberglass Reinforced Plastic Flanged 45 Degree Elbow	727.10	224.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.61*	

23 11 26 00-0030 Fiberglass Reinforced Plastic Flanged Tees *(23 11 26 00-0011)*

23 11 26 00-0031	EA	2" Fiberglass Reinforced Plastic Flanged Tee	210.62	100.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-112.91*	
23 11 26 00-0032	EA	3" Fiberglass Reinforced Plastic Flanged Tee	257.75	120.97
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.99*	
23 11 26 00-0033	EA	4" Fiberglass Reinforced Plastic Flanged Tee	295.44	140.10
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-157.53*	
23 11 26 00-0034	EA	5" Fiberglass Reinforced Plastic Flanged Tee	362.73	166.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-183.83*	
23 11 26 00-0035	EA	6" Fiberglass Reinforced Plastic Flanged Tee	421.44	181.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-203.72*	
23 11 26 00-0036	EA	8" Fiberglass Reinforced Plastic Flanged Tee	527.35	224.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.61*	
23 11 26 00-0037	EA	10" Fiberglass Reinforced Plastic Flanged Tee	768.75	271.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-305.57*	
23 11 26 00-0038	EA	12" Fiberglass Reinforced Plastic Flanged Tee	999.41	330.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-371.48*	

23 11 26 00-0039 Fiberglass Reinforced Plastic Flanged Wyes *(23 11 26 00-0011)*

23 11 26 00-0040	EA	2" Fiberglass Reinforced Plastic Flanged Wye	251.28	100.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-112.91*	
23 11 26 00-0041	EA	3" Fiberglass Reinforced Plastic Flanged Wye	315.71	120.78
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.81*	
23 11 26 00-0042	EA	4" Fiberglass Reinforced Plastic Flanged Wye	369.34	140.10
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-157.52*	
23 11 26 00-0043	EA	5" Fiberglass Reinforced Plastic Flanged Wye	425.67	166.42
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-183.83*	
23 11 26 00-0044	EA	6" Fiberglass Reinforced Plastic Flanged Wye	473.41	181.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-203.72*	
23 11 26 00-0045	EA	8" Fiberglass Reinforced Plastic Flanged Wye	609.54	224.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.61*	
23 11 26 00-0046	EA	10" Fiberglass Reinforced Plastic Flanged Wye	872.41	271.73
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-305.57*	
23 11 26 00-0047	EA	12" Fiberglass Reinforced Plastic Flanged Wye	1,112.41	330.37
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-371.48*	

23 11 26 00-0048 Fiberglass Reinforced Plastic Flanged Concentric Reducers *(23 11 26 00-0011)*

23 11 26 00-0049	EA	2" Fiberglass Reinforced Plastic Flanged Concentric Reducer	151.27	66.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-75.28*	
23 11 26 00-0050	EA	3" Fiberglass Reinforced Plastic Flanged Concentric Reducer	190.61	80.36
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-90.33*	
23 11 26 00-0051	EA	4" Fiberglass Reinforced Plastic Flanged Concentric Reducer	213.50	93.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.01*	
23 11 26 00-0052	EA	5" Fiberglass Reinforced Plastic Flanged Concentric Reducer	248.26	110.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-122.51*	
23 11 26 00-0053	EA	6" Fiberglass Reinforced Plastic Flanged Concentric Reducer	276.77	120.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.32*	
23 11 26 00-0054	EA	8" Fiberglass Reinforced Plastic Flanged Concentric Reducer	359.83	150.39
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.16*	
23 11 26 00-0055	EA	10" Fiberglass Reinforced Plastic Flanged Concentric Reducer	450.38	181.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-203.72*	
23 11 26 00-0056	EA	12" Fiberglass Reinforced Plastic Flanged Concentric Reducer	595.79	224.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.61*	

23 11 26 00-0057 Fiberglass Reinforced Plastic Bell x Male Or Female Adapters *(23 11 26 00-0011)*

23 11 26 00-0058	EA	2" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	133.10	66.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-75.28*	
23 11 26 00-0059	EA	3" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	155.91	80.36
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-90.33*	
23 11 26 00-0060	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	178.83	93.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.01*	
23 11 26 00-0061	EA	4" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	214.30	110.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-122.51*	
23 11 26 00-0062	EA	6" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	243.54	120.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.32*	
23 11 26 00-0063	EA	8" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	268.27	150.39
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.16*	
23 11 26 00-0064	EA	10" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	333.03	181.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-203.72*	
23 11 26 00-0065	EA	12" Fiberglass Reinforced Plastic Bell x Male Or Female Adapter	470.33	224.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.61*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0066		**Fiberglass Reinforced Plastic Nipples** *(23 11 26 00-0011)*		
23 11 26 00-0067	EA	2" x 6" Fiberglass Reinforced Plastic Nipple	21.08	8.03
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-9.03*	
23 11 26 00-0068	EA	2" x 12" Fiberglass Reinforced Plastic Nipple	42.09	16.05
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.02*	
23 11 26 00-0069	EA	3" x 8" Fiberglass Reinforced Plastic Nipple	57.97	12.32
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.86*	
23 11 26 00-0070	EA	3" x 12" Fiberglass Reinforced Plastic Nipple	69.46	16.87
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-18.97*	
23 11 26 00-0071	EA	4" x 8" Fiberglass Reinforced Plastic Nipple	61.55	12.00
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-13.54*	
23 11 26 00-0072	EA	4" x 12" Fiberglass Reinforced Plastic Nipple	77.26	18.05
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-20.30*	
23 11 26 00-0073	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	93.70	20.21
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-22.33*	
23 11 26 00-0074	EA	6" x 12" Fiberglass Reinforced Plastic Nipple	110.15	21.65
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-24.38*	
23 11 26 00-0075	EA	8" x 18" Fiberglass Reinforced Plastic Nipple	70.42	25.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-28.42*	
23 11 26 00-0076	EA	8" x 24" Fiberglass Reinforced Plastic Nipple	97.46	36.09
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-40.57*	
23 11 26 00-0077	EA	10" x 18" Fiberglass Reinforced Plastic Nipple	103.46	25.71
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-28.88*	
23 11 26 00-0078	EA	10" x 24" Fiberglass Reinforced Plastic Nipple	155.23	38.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-43.26*	
23 11 26 00-0079	EA	12" x 18" Fiberglass Reinforced Plastic Nipple	117.72	26.53
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-29.79*	
23 11 26 00-0080	EA	12" x 24" Fiberglass Reinforced Plastic Nipple	158.53	39.70
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-44.69*	
23 11 26 00-0081		**Fiberglass Reinforced Plastic Sleeve Couplings** *(23 11 26 00-0011)*		
23 11 26 00-0082	EA	2" Fiberglass Reinforced Plastic Sleeve Coupling	108.67	66.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-75.28*	
23 11 26 00-0083	EA	3" Fiberglass Reinforced Plastic Sleeve Coupling	130.55	80.36
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-90.33*	
23 11 26 00-0084	EA	4" Fiberglass Reinforced Plastic Sleeve Coupling	151.39	93.43
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-105.01*	
23 11 26 00-0085	EA	5" Fiberglass Reinforced Plastic Sleeve Coupling	179.07	110.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-122.51*	
23 11 26 00-0086	EA	6" Fiberglass Reinforced Plastic Sleeve Coupling	200.51	120.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.32*	
23 11 26 00-0087	EA	8" Fiberglass Reinforced Plastic Sleeve Coupling	254.99	150.39
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-169.16*	
23 11 26 00-0088	EA	10" Fiberglass Reinforced Plastic Sleeve Coupling	316.46	181.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-203.72*	
23 11 26 00-0089	EA	12" Fiberglass Reinforced Plastic Sleeve Coupling	389.68	224.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.61*	
23 11 26 00-0090		**Fiberglass Reinforced Plastic Flanges** *(23 11 26 00-0011)*		
23 11 26 00-0091	EA	2" Fiberglass Reinforced Plastic Flange	109.71	66.92
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-75.28*	
23 11 26 00-0092	EA	3" Fiberglass Reinforced Plastic Flange	131.92	80.36
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-90.33*	
23 11 26 00-0093	EA	4" Fiberglass Reinforced Plastic Flange	150.61	90.13
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-101.31*	
23 11 26 00-0094	EA	5" Fiberglass Reinforced Plastic Flange	178.70	107.27
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-118.41*	
23 11 26 00-0095	EA	6" Fiberglass Reinforced Plastic Flange	206.53	120.35
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-135.32*	
23 11 26 00-0096	EA	8" Fiberglass Reinforced Plastic Flange	251.37	143.98
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-161.93*	
23 11 26 00-0097	EA	10" Fiberglass Reinforced Plastic Flange	325.83	181.16
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-203.72*	
23 11 26 00-0098	EA	12" Fiberglass Reinforced Plastic Flange	427.16	224.64
		For Use As Inner Pipe In Double Wall Pipe System, Deduct	*-252.61*	
23 11 26 00-0099		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing And Fittings** *(23 11 26)*		
23 11 26 00-0100		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing** *(23 11 26 00-0099)*		
23 11 26 00-0101	LF	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	69.20	28.84
23 11 26 00-0102	LF	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	82.31	34.17
23 11 26 00-0103	LF	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	111.34	50.40
23 11 26 00-0104	LF	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	151.39	65.34
23 11 26 00-0105	LF	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	201.81	77.58
23 11 26 00-0106	LF	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	262.67	92.02

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0107	LF	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing	334.24	116.11

23 11 26 00-0108 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Fittings *(23 11 26 00-0099)*

23 11 26 00-0109 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0110	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,086.50	356.92
23 11 26 00-0111	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,267.25	428.42
23 11 26 00-0112	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	1,550.22	497.87
23 11 26 00-0113	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	2,495.64	641.71
23 11 26 00-0114	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	3,826.78	802.29
23 11 26 00-0115	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	5,054.37	965.22
23 11 26 00-0116	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 90 Degree Elbow	6,664.25	1,195.27

23 11 26 00-0117 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbows *(23 11 26 00-0108)*

23 11 26 00-0118	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,087.70	356.92
23 11 26 00-0119	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,265.15	428.42
23 11 26 00-0120	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	1,548.57	497.87
23 11 26 00-0121	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	2,485.92	641.71
23 11 26 00-0122	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	3,812.71	802.29
23 11 26 00-0123	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	5,035.68	965.68
23 11 26 00-0124	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged 45 Degree Elbow	6,642.20	1,197.98

23 11 26 00-0125 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tees *(23 11 26 00-0108)*

23 11 26 00-0126	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,548.55	535.40
23 11 26 00-0127	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	1,916.47	645.26
23 11 26 00-0128	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	2,180.63	747.18
23 11 26 00-0129	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	3,308.66	966.12
23 11 26 00-0130	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	4,162.02	1,197.98
23 11 26 00-0131	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	6,656.49	1,447.51
23 11 26 00-0132	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Tee	8,890.62	1,755.07

23 11 26 00-0133 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wyes *(23 11 26 00-0108)*

23 11 26 00-0134	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,053.39	535.40
23 11 26 00-0135	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	2,637.83	644.51
23 11 26 00-0136	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	3,098.49	747.18
23 11 26 00-0137	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	3,953.94	966.12
23 11 26 00-0138	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	5,182.51	1,197.98
23 11 26 00-0139	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	7,943.66	1,447.51
23 11 26 00-0140	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Wye	10,293.71	1,755.07

23 11 26 00-0141 Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducers *(23 11 26 00-0108)*

23 11 26 00-0142	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,167.06	356.92
23 11 26 00-0143	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,513.62	428.42
23 11 26 00-0144	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	1,658.93	497.87
23 11 26 00-0145	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,158.33	641.71
23 11 26 00-0146	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	2,870.33	802.29
23 11 26 00-0147	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	3,666.75	965.22
23 11 26 00-0148	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanged Concentric Reducer	5,007.65	1,195.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 11 26 00-0149		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapters** *(23 11 26 00-0108)*		
23 11 26 00-0150	EA	2" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	941.44	356.92
23 11 26 00-0151	EA	3" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,082.74	428.42
23 11 26 00-0152	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,228.46	497.87
23 11 26 00-0153	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,745.73	641.71
23 11 26 00-0154	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	1,733.50	802.29
23 11 26 00-0155	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	2,209.56	965.22
23 11 26 00-0156	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Bell x Male Or Female Adapter	3,449.91	1,195.27
23 11 26 00-0157		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipples** *(23 11 26 00-0108)*		
23 11 26 00-0158	EA	2" x 6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	176.43	42.84
23 11 26 00-0159	EA	2" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	352.51	85.49
23 11 26 00-0160	EA	3" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	588.87	65.71
23 11 26 00-0161	EA	3" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	683.33	89.95
23 11 26 00-0162	EA	4" x 8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	636.40	64.15
23 11 26 00-0163	EA	4" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	767.58	96.26
23 11 26 00-0164	EA	6" x 12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,137.37	115.66
23 11 26 00-0165	EA	8" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	605.97	134.79
23 11 26 00-0166	EA	8" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	827.00	192.43
23 11 26 00-0167	EA	10" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,011.88	136.95
23 11 26 00-0168	EA	10" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,518.72	205.15
23 11 26 00-0169	EA	12" x 18" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,180.32	141.28
23 11 26 00-0170	EA	12" x 24" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Nipple	1,546.43	211.91
23 11 26 00-0171		**Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flanges** *(23 11 26 00-0108)*		
23 11 26 00-0172	EA	4" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	913.21	480.50
23 11 26 00-0173	EA	6" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,286.18	641.71
23 11 26 00-0174	EA	8" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	1,592.00	768.11
23 11 26 00-0175	EA	10" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,120.23	965.22
23 11 26 00-0176	EA	12" Fiberglass Reinforced Carrier Pipe With Coated Steel Secondary Containment Casing Flange	2,913.91	1,195.27

23 12 Facility Fuel Pumps *(23 10)*

23 12 13 Facility Fuel-Oil Pumps *(23 12)*

23 12 13 00-0001 Cast Iron Internal Gear Rotary Pump *(23 12 13)*

Note: Heavy duty type with relief valve, 1150 RPM drip-proof motor, common base plate. For viscosity to 20 centipoise; diesel oil, and light oil.

23 12 13 00-0002 10 GPM 1" Discharge *(23 12 13 00-0001)*

23 12 13 00-0003	EA	10 GPM Cast Iron Rotary Pump, 20 PSI 1/2 HP With 1" Discharge	903.55	270.85
23 12 13 00-0004	EA	10 GPM Cast Iron Rotary Pump, 40 PSI 3/4 HP With 1" Discharge	969.75	327.82
23 12 13 00-0005	EA	10 GPM Cast Iron Rotary Pump, 60 PSI 1 HP With 1" Discharge	1,077.56	389.47

23 12 13 00-0006 25 GPM 1-1/4" Discharge *(23 12 13 00-0001)*

23 12 13 00-0007	EA	25 GPM Cast Iron Rotary Pump, 20 PSI 1 HP With 1-1/4" Discharge	1,032.86	270.85
23 12 13 00-0008	EA	25 GPM Cast Iron Rotary Pump, 40 PSI 1.5 HP With 1-1/4" Discharge	1,096.71	327.82
23 12 13 00-0009	EA	25 GPM Cast Iron Rotary Pump, 60 PSI 2 HP With 1-1/4" Discharge	1,160.39	389.47

23 12 13 00-0010 Pump, Fuel Oil, 2 Stage 3450 RPM 100 PSI *(23 12 13)*

23 12 13 00-0011	EA	1/4 HP Pump Fuel Oil/Diesel	704.00	151.77
23 12 13 00-0012	EA	1/3 HP Pump Fuel Oil/Diesel	819.90	169.99
23 12 13 00-0013	EA	1/2 HP Pump Fuel Oil/Diesel	900.76	190.53
23 12 13 00-0014	EA	3/4 HP Pump Fuel Oil/Diesel	989.11	214.81
23 12 13 00-0015	EA	1 HP Pump Fuel Oil/Diesel	1,333.16	239.10
23 12 13 00-0016	EA	1-1/2 HP Pump Fuel Oil/Diesel	1,607.63	267.58
23 12 13 00-0017	EA	2 HP Pump Fuel Oil/Diesel	1,784.61	299.80
23 12 13 00-0018	EA	3 HP Pump Fuel Oil/Diesel	2,148.05	335.30
23 12 13 00-0019	EA	5 HP Pump Fuel Oil/Diesel	2,514.23	375.93
23 12 13 00-0020	EA	7.5 HP Pump Fuel Oil/Diesel	2,815.76	421.69
23 12 13 00-0021	EA	10 HP Pump Fuel Oil/Diesel	3,156.76	472.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 12 23 Facility Natural-Gas Pumps *(23 12)*

23 12 23 00-0001 Natural Gas Booster Pump *(23 12 23)*

23 12 23 00-0002	EA	Natural Gas Booster Pump, 3/4" Outlet Size	845.65	140.10
23 12 23 00-0003	EA	Natural Gas Booster Pump, 1" Outlet Size	998.85	156.44
23 12 23 00-0004	EA	Natural Gas Booster Pump, 1-1/4" Outlet Size	1,114.80	163.45
23 12 23 00-0005	EA	Natural Gas Booster Pump, 1-1/2" Outlet Size	1,258.55	170.45
23 12 23 00-0006	EA	Natural Gas Booster Pump, 2" Outlet Size	1,416.22	175.12

23 13 Facility Fuel-Storage Tanks *(23 10)*

23 13 13 Facility Underground Fuel-Oil, Storage Tanks *(23 13)*

23 13 13 13 Double-Wall Steel, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 13-0001 Coated Underground Double Wall Storage Tanks *(23 13 13 13)*

Note: Includes setting in place with hold down bars and manway and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes excavation, pad, plastic lining, pumps and piping.

23 13 13 13-0002	EA	250 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	8,146.18	648.81
23 13 13 13-0003	EA	550 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	8,769.70	648.81
23 13 13 13-0004	EA	1,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	12,596.35	810.97
23 13 13 13-0005	EA	2,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	17,536.09	1,584.00
23 13 13 13-0006	EA	3,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	27,629.35	2,036.46
23 13 13 13-0007	EA	4,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	30,822.30	2,338.94
23 13 13 13-0008	EA	5,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	33,614.58	3,092.57
23 13 13 13-0009	EA	6,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	34,834.10	3,320.41
23 13 13 13-0010	EA	8,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	42,435.85	3,922.65
23 13 13 13-0011	EA	10,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	49,135.48	4,524.48
23 13 13 13-0012	EA	12,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	62,365.71	4,975.53
23 13 13 13-0013	EA	14,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	74,019.16	6,041.09
23 13 13 13-0014	EA	15,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	76,559.89	6,411.17
23 13 13 13-0015	EA	20,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	95,326.81	10,169.45
23 13 13 13-0016	EA	25,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	117,568.07	13,187.29
23 13 13 13-0017	EA	30,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	138,251.63	15,088.66
23 13 13 13-0018	EA	40,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	175,891.49	16,220.31
23 13 13 13-0019	EA	48,000 Gallon Underground Double Wall Steel Storage Tank, Coated, In Place With Hold Down Bars	235,070.67	16,636.25

23 13 13 23 Glass-Fiber-Reinforced-Plastic, Underground Fuel-Oil, Storage Tanks *(23 13 13)*

23 13 13 23-0001 Underground Fiberglass Storage Tanks *(23 13 13 23)*

23 13 13 23-0002 Single Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0003	EA	550 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,012.54	648.81
23 13 13 23-0004	EA	1,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	3,782.64	810.97
23 13 13 23-0005	EA	2,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	4,916.82	1,003.40
23 13 13 23-0006	EA	2,500 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	5,609.81	1,222.18
23 13 13 23-0007	EA	3,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	6,296.98	1,433.42
23 13 13 23-0008	EA	4,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	7,703.17	1,886.08
23 13 13 23-0009	EA	5,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	9,373.41	2,866.85
23 13 13 23-0010	EA	6,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	10,715.73	3,621.27
23 13 13 23-0011	EA	8,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	12,765.65	4,073.93
23 13 13 23-0012	EA	10,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	14,455.81	4,828.37
23 13 13 23-0013	EA	12,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	18,454.44	5,733.69
23 13 13 23-0014	EA	15,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	22,756.19	7,167.11
23 13 13 23-0015	EA	20,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	28,860.98	9,581.29
23 13 13 23-0016	EA	25,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	42,406.25	11,920.04
23 13 13 23-0017	EA	30,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	51,812.26	14,334.22
23 13 13 23-0018	EA	40,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	74,178.31	20,746.90
23 13 13 23-0019	EA	50,000 Gallon Single Wall Fiberglass Tank Including Fittings And Anchor Straps	104,618.11	26,405.14

23 13 13 23-0020 Double Wall Fiberglass Underground Storage Tanks *(23 13 13 23-0001)*

Note: Includes setting in place with hold down bars, fittings, bumper pads, flow channels, monitoring fitting, tank bottom deflector gauge plates, manway, anchor straps and 4" NPT tank mounted fitting connections as follows: 550 gallon or 1,000 gallon, 4 each: all others 6 each. Excludes excavation and backfill.

23 13 13 23-0021	EA	550 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	5,643.59	648.81
23 13 13 23-0022	EA	1,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	7,424.67	810.97
23 13 13 23-0023	EA	2,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	8,904.36	980.76
23 13 13 23-0024	EA	3,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	11,627.54	1,433.53
23 13 13 23-0025	EA	4,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	13,144.78	1,886.08
23 13 13 23-0026	EA	5,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	15,355.48	2,866.85
23 13 13 23-0027	EA	6,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	17,230.85	3,621.27
23 13 13 23-0028	EA	8,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	21,057.62	4,073.93
23 13 13 23-0029	EA	10,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	22,747.79	4,828.37
23 13 13 23-0030	EA	12,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	27,486.77	5,733.69
23 13 13 23-0031	EA	15,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	37,600.31	7,167.11
23 13 13 23-0032	EA	20,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	46,777.57	9,581.29

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 13 23-0033	EA	30,000 Gallon Double Wall Fiberglass Tank Including Fittings And Anchor Straps	72,097.98	14,334.22

23 13 13 23-0034 Underground Storage Tank Pump Enclosures *(23 13 13 23)*

23 13 13 23-0035	EA	Secondary Containment Collar	1,103.28	
23 13 13 23-0036	EA	Turbine Enclosure With Lid 4' Long x 42" Diameter	1,103.28	
23 13 13 23-0037	EA	Fitting Kit For Turbine Enclosure	220.66	
23 13 13 23-0038	EA	Grommet Kits For Plumbing And Electrical	441.31	
23 13 13 23-0039	EA	Turbine Electrical Coupling Kit	551.64	

23 13 23 Facility Aboveground Fuel-Oil, Storage Tanks *(23 13)*

23 13 23 13 Vertical, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 13-0001 Rectangle Double Wall Steel Fuel Day Tank *(23 13 23 13)*

Note: Includes day tank with standard equipment, pump, pump control, level control, backup level control, level alarms, alarm outputs.

23 13 23 13-0002	EA	10 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,150.76	121.68
23 13 23 13-0003	EA	15 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,236.33	127.76
23 13 23 13-0004	EA	25 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,342.39	136.88
23 13 23 13-0005	EA	50 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,544.44	146.01
23 13 23 13-0006	EA	60 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,724.30	152.09
23 13 23 13-0007	EA	75 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,032.12	182.51
23 13 23 13-0008	EA	100 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,741.09	212.93
23 13 23 13-0009	EA	150 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,474.05	243.34
23 13 23 13-0010	EA	200 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,464.14	273.76
23 13 23 13-0011	EA	275 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,975.97	304.18
23 13 23 13-0012	EA	300 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,691.05	365.02
23 13 23 13-0013	EA	350 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,371.85	425.85
23 13 23 13-0014	EA	400 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,073.23	486.69
23 13 23 13-0015	EA	450 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,854.19	517.11
23 13 23 13-0016	EA	500 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,640.30	547.53
23 13 23 13-0017	EA	550 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,534.39	577.94
23 13 23 13-0018	EA	600 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,315.35	608.36
23 13 23 13-0019	EA	700 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,478.11	730.04
23 13 23 13-0020	EA	800 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,380.05	790.87
23 13 23 13-0021	EA	900 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,578.79	912.55
23 13 23 13-0022	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont TRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	14,782.70	1,034.22
23 13 23 13-0023	EA	10 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,401.04	121.68
23 13 23 13-0024	EA	15 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,488.32	127.76
23 13 23 13-0025	EA	25 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,594.38	136.88
23 13 23 13-0026	EA	50 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,794.72	146.01
23 13 23 13-0027	EA	60 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	1,974.58	152.09
23 13 23 13-0028	EA	75 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	2,284.12	182.51
23 13 23 13-0029	EA	100 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,017.08	212.93
23 13 23 13-0030	EA	150 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	3,750.04	243.34
23 13 23 13-0031	EA	200 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	4,740.13	273.76
23 13 23 13-0032	EA	275 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,251.96	304.18
23 13 23 13-0033	EA	300 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	5,967.04	365.02
23 13 23 13-0034	EA	350 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	6,647.84	425.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0035	EA	400 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	7,349.22	486.69
23 13 23 13-0036	EA	450 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,130.19	517.11
23 13 23 13-0037	EA	500 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	8,916.29	547.53
23 13 23 13-0038	EA	550 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	9,812.10	577.94
23 13 23 13-0039	EA	600 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	10,593.06	608.36
23 13 23 13-0040	EA	700 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	11,754.10	730.04
23 13 23 13-0041	EA	800 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	12,656.04	790.87
23 13 23 13-0042	EA	900 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	13,854.78	912.55
23 13 23 13-0043	EA	1,000 Gallon Double Wall Steel Day Tank (Tramont UTRX) Note: Includes rust-inhibitor coated interior and gray painted exterior.	15,058.70	1,034.22
23 13 23 13-0044	EA	10 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,349.01	121.68
23 13 23 13-0045	EA	15 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,426.00	127.76
23 13 23 13-0046	EA	25 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,494.35	136.88
23 13 23 13-0047	EA	50 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,763.26	146.01
23 13 23 13-0048	EA	60 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	2,864.26	152.09
23 13 23 13-0049	EA	75 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,161.80	182.51
23 13 23 13-0050	EA	100 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,807.34	212.93
23 13 23 13-0051	EA	150 Gallon Double Wall Steel Day Tank With Pump (Tramont TRE) Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,811.15	243.34
23 13 23 13-0052	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,410.39	273.76
23 13 23 13-0053	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,084.47	304.18
23 13 23 13-0054	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,001.83	365.02
23 13 23 13-0055	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,548.92	425.85
23 13 23 13-0056	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,298.30	486.69
23 13 23 13-0057	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,043.27	517.11
23 13 23 13-0058	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,028.22	547.53
23 13 23 13-0059	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,433.76	577.94
23 13 23 13-0060	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,796.45	608.36
23 13 23 13-0061	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	13,485.47	730.04
23 13 23 13-0062	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,136.53	790.87
23 13 23 13-0063	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	16,928.40	912.55
23 13 23 13-0064	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont TRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	18,749.43	1,034.22
23 13 23 13-0065	EA	10 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,480.40	121.68
23 13 23 13-0066	EA	15 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,557.39	127.76
23 13 23 13-0067	EA	25 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,625.74	136.88
23 13 23 13-0068	EA	50 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,894.65	146.01
23 13 23 13-0069	EA	60 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	3,995.65	152.09
23 13 23 13-0070	EA	75 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,293.19	182.51
23 13 23 13-0071	EA	100 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	4,938.73	212.93
23 13 23 13-0072	EA	150 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	5,942.54	243.34
23 13 23 13-0073	EA	200 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	6,617.21	273.76
23 13 23 13-0074	EA	275 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	7,821.59	304.18
23 13 23 13-0075	EA	300 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	8,738.95	365.02
23 13 23 13-0076	EA	350 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	9,287.76	425.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0077	EA	400 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,035.42	486.69
23 13 23 13-0078	EA	450 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	10,782.10	517.11
23 13 23 13-0079	EA	500 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	11,765.34	547.53
23 13 23 13-0080	EA	550 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,170.88	577.94
23 13 23 13-0081	EA	600 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	12,533.57	608.36
23 13 23 13-0082	EA	700 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	14,222.59	730.04
23 13 23 13-0083	EA	800 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	15,875.36	790.87
23 13 23 13-0084	EA	900 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	17,665.52	912.55
23 13 23 13-0085	EA	1,000 Gallon Double Wall Steel Day Tank With Pump; Tramont UTRE Note: Includes pump, motor control float switch, rust-inhibitor coated interior and gray painted exterior.	19,486.55	1,034.22
23 13 23 13-0086	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,112.95	121.68
23 13 23 13-0087	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,198.51	127.76
23 13 23 13-0088	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,268.58	136.88
23 13 23 13-0089	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,546.06	146.01
23 13 23 13-0090	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,695.06	152.09
23 13 23 13-0091	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	4,965.17	182.51
23 13 23 13-0092	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,636.42	212.93
23 13 23 13-0093	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,688.23	243.34
23 13 23 13-0094	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,309.76	273.76
23 13 23 13-0095	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,048.98	304.18
23 13 23 13-0096	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,014.34	365.02
23 13 23 13-0097	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,508.29	425.85
23 13 23 13-0098	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,360.52	486.69
23 13 23 13-0099	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,263.19	517.11
23 13 23 13-0100	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,171.01	547.53
23 13 23 13-0101	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,626.26	577.94
23 13 23 13-0102	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,963.23	608.36
23 13 23 13-0103	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	15,729.40	730.04
23 13 23 13-0104	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	17,461.02	790.87
23 13 23 13-0105	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	19,333.46	912.55
23 13 23 13-0106	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont TRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,231.64	1,034.22
23 13 23 13-0107	EA	10 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,244.34	121.68

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0108	EA	15 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,329.91	127.76
23 13 23 13-0109	EA	25 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,399.97	136.88
23 13 23 13-0110	EA	50 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,677.45	146.01
23 13 23 13-0111	EA	60 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	5,826.45	152.09
23 13 23 13-0112	EA	75 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,093.13	182.51
23 13 23 13-0113	EA	100 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	6,767.81	212.93
23 13 23 13-0114	EA	150 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	7,819.62	243.34
23 13 23 13-0115	EA	200 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	8,441.15	273.76
23 13 23 13-0116	EA	275 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	9,786.10	304.18
23 13 23 13-0117	EA	300 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	10,751.46	365.02
23 13 23 13-0118	EA	350 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	11,416.83	425.85
23 13 23 13-0119	EA	400 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	12,097.64	486.69
23 13 23 13-0120	EA	450 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,000.31	517.11
23 13 23 13-0121	EA	500 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	13,908.13	547.53
23 13 23 13-0122	EA	550 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,363.38	577.94
23 13 23 13-0123	EA	600 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	14,702.07	608.36
23 13 23 13-0124	EA	700 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	16,466.52	730.04
23 13 23 13-0125	EA	800 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	18,198.14	790.87
23 13 23 13-0126	EA	900 Gallon Double Wall Steel Day Tank With Pump And Control Module; Tramont UTRS Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	20,070.58	912.55
23 13 23 13-0127	EA	1,000 Gallon Double Wall Steel Day Tank With Pump And Control Module (Tramont UTRS) Note: Includes pump, motor control float switch, electronic control module, rust-inhibitor coated interior and gray painted exterior.	21,968.76	1,034.22
23 13 23 13-0128	EA	150% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,139.58	121.68
23 13 23 13-0129	EA	150% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,235.71	127.76
23 13 23 13-0130	EA	150% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,341.43	136.88
23 13 23 13-0131	EA	150% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,535.39	146.01
23 13 23 13-0132	EA	150% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,050.14	152.09
23 13 23 13-0133	EA	150% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,100.83	182.51
23 13 23 13-0134	EA	150% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,644.82	212.93
23 13 23 13-0135	EA	150% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,277.05	243.34
23 13 23 13-0136	EA	150% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,314.32	273.76
23 13 23 13-0137	EA	150% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,428.52	304.18
23 13 23 13-0138	EA	150% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,516.49	365.02
23 13 23 13-0139	EA	150% Containment Double Wall Open Top Basin For 350 Gallon Tank	6,995.76	425.85
23 13 23 13-0140	EA	150% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,477.31	486.69
23 13 23 13-0141	EA	150% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,213.63	517.11
23 13 23 13-0142	EA	150% Containment Double Wall Open Top Basin For 500 Gallon Tank	8,952.22	547.53
23 13 23 13-0143	EA	150% Containment Double Wall Open Top Basin For 550 Gallon Tank	9,593.51	577.94
23 13 23 13-0144	EA	150% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,241.57	608.36
23 13 23 13-0145	EA	150% Containment Double Wall Open Top Basin For 700 Gallon Tank	11,580.28	730.04
23 13 23 13-0146	EA	150% Containment Double Wall Open Top Basin For 800 Gallon Tank	12,858.32	790.87
23 13 23 13-0147	EA	150% Containment Double Wall Open Top Basin For 900 Gallon Tank	14,273.95	912.55
23 13 23 13-0148	EA	150% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	15,639.82	1,034.22
23 13 23 13-0149	EA	200% Containment Double Wall Open Top Basin For 10 Gallon Tank	1,201.77	127.76
23 13 23 13-0150	EA	200% Containment Double Wall Open Top Basin For 15 Gallon Tank	1,307.74	136.88
23 13 23 13-0151	EA	200% Containment Double Wall Open Top Basin For 25 Gallon Tank	1,418.48	146.01

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 23 13-0152	EA	200% Containment Double Wall Open Top Basin For 50 Gallon Tank	1,617.32	152.09
23 13 23 13-0153	EA	200% Containment Double Wall Open Top Basin For 60 Gallon Tank	2,200.64	182.51
23 13 23 13-0154	EA	200% Containment Double Wall Open Top Basin For 75 Gallon Tank	2,251.34	212.93
23 13 23 13-0155	EA	200% Containment Double Wall Open Top Basin For 100 Gallon Tank	2,822.74	243.34
23 13 23 13-0156	EA	200% Containment Double Wall Open Top Basin For 150 Gallon Tank	3,487.27	273.76
23 13 23 13-0157	EA	200% Containment Double Wall Open Top Basin For 200 Gallon Tank	4,579.35	304.18
23 13 23 13-0158	EA	200% Containment Double Wall Open Top Basin For 275 Gallon Tank	5,752.63	334.60
23 13 23 13-0159	EA	200% Containment Double Wall Open Top Basin For 300 Gallon Tank	6,895.42	395.43
23 13 23 13-0160	EA	200% Containment Double Wall Open Top Basin For 350 Gallon Tank	7,395.69	456.27
23 13 23 13-0161	EA	200% Containment Double Wall Open Top Basin For 400 Gallon Tank	7,898.35	517.11
23 13 23 13-0162	EA	200% Containment Double Wall Open Top Basin For 450 Gallon Tank	8,672.77	547.53
23 13 23 13-0163	EA	200% Containment Double Wall Open Top Basin For 500 Gallon Tank	9,449.56	577.94
23 13 23 13-0164	EA	200% Containment Double Wall Open Top Basin For 550 Gallon Tank	10,123.67	608.36
23 13 23 13-0165	EA	200% Containment Double Wall Open Top Basin For 600 Gallon Tank	10,855.61	669.20
23 13 23 13-0166	EA	200% Containment Double Wall Open Top Basin For 700 Gallon Tank	12,257.42	790.87
23 13 23 13-0167	EA	200% Containment Double Wall Open Top Basin For 800 Gallon Tank	13,702.22	912.55
23 13 23 13-0168	EA	200% Containment Double Wall Open Top Basin For 900 Gallon Tank	15,185.25	1,034.22
23 13 23 13-0169	EA	200% Containment Double Wall Open Top Basin For 1,000 Gallon Tank	16,615.72	1,155.89
23 13 23 13-0170	EA	150% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,318.34	121.68
23 13 23 13-0171	EA	150% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,437.10	127.76
23 13 23 13-0172	EA	150% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,556.39	136.88
23 13 23 13-0173	EA	150% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,795.61	146.01
23 13 23 13-0174	EA	150% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,407.66	152.09
23 13 23 13-0175	EA	150% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,458.35	182.51
23 13 23 13-0176	EA	150% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,083.80	212.93
23 13 23 13-0177	EA	150% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	3,822.38	243.34
23 13 23 13-0178	EA	150% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,044.58	273.76
23 13 23 13-0179	EA	150% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,415.10	304.18
23 13 23 13-0180	EA	150% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	7,704.45	365.02
23 13 23 13-0181	EA	150% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,253.87	425.85
23 13 23 13-0182	EA	150% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	8,807.83	486.69
23 13 23 13-0183	EA	150% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	9,686.71	517.11
23 13 23 13-0184	EA	150% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	10,567.85	547.53
23 13 23 13-0185	EA	150% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,315.48	577.94
23 13 23 13-0186	EA	150% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,081.21	608.36
23 13 23 13-0187	EA	150% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	13,657.51	730.04
23 13 23 13-0188	EA	150% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	15,175.41	790.87
23 13 23 13-0189	EA	150% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	16,828.63	912.55
23 13 23 13-0190	EA	150% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	18,432.09	1,034.22
23 13 23 13-0191	EA	200% Containment Double Wall Sealed Top Basin For 10 Gallon Tank	1,390.46	127.76
23 13 23 13-0192	EA	200% Containment Double Wall Sealed Top Basin For 15 Gallon Tank	1,520.32	136.88
23 13 23 13-0193	EA	200% Containment Double Wall Sealed Top Basin For 25 Gallon Tank	1,645.39	146.01
23 13 23 13-0194	EA	200% Containment Double Wall Sealed Top Basin For 50 Gallon Tank	1,892.00	152.09
23 13 23 13-0195	EA	200% Containment Double Wall Sealed Top Basin For 60 Gallon Tank	2,578.03	182.51
23 13 23 13-0196	EA	200% Containment Double Wall Sealed Top Basin For 75 Gallon Tank	2,628.73	212.93
23 13 23 13-0197	EA	200% Containment Double Wall Sealed Top Basin For 100 Gallon Tank	3,286.10	243.34
23 13 23 13-0198	EA	200% Containment Double Wall Sealed Top Basin For 150 Gallon Tank	4,062.90	273.76
23 13 23 13-0199	EA	200% Containment Double Wall Sealed Top Basin For 200 Gallon Tank	5,350.18	304.18
23 13 23 13-0200	EA	200% Containment Double Wall Sealed Top Basin For 275 Gallon Tank	6,794.02	334.60
23 13 23 13-0201	EA	200% Containment Double Wall Sealed Top Basin For 300 Gallon Tank	8,149.38	395.43
23 13 23 13-0202	EA	200% Containment Double Wall Sealed Top Basin For 350 Gallon Tank	8,723.69	456.27
23 13 23 13-0203	EA	200% Containment Double Wall Sealed Top Basin For 400 Gallon Tank	9,302.79	517.11
23 13 23 13-0204	EA	200% Containment Double Wall Sealed Top Basin For 450 Gallon Tank	10,227.68	547.53
23 13 23 13-0205	EA	200% Containment Double Wall Sealed Top Basin For 500 Gallon Tank	11,154.94	577.94
23 13 23 13-0206	EA	200% Containment Double Wall Sealed Top Basin For 550 Gallon Tank	11,941.30	608.36
23 13 23 13-0207	EA	200% Containment Double Wall Sealed Top Basin For 600 Gallon Tank	12,797.45	669.20
23 13 23 13-0208	EA	200% Containment Double Wall Sealed Top Basin For 700 Gallon Tank	14,450.06	790.87
23 13 23 13-0209	EA	200% Containment Double Wall Sealed Top Basin For 800 Gallon Tank	16,148.04	912.55
23 13 23 13-0210	EA	200% Containment Double Wall Sealed Top Basin For 900 Gallon Tank	17,881.86	1,034.22
23 13 23 13-0211	EA	200% Containment Double Wall Sealed Top Basin For 1,000 Gallon Tank	19,563.12	1,155.89

23 13 23 16 Horizontal, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 16-0001 Single Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0002	EA	300 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	2,759.85	661.29
23 13 23 16-0003	EA	550 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	3,321.10	800.50
23 13 23 16-0004	EA	1,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,495.81	1,103.98
23 13 23 16-0005	EA	1,500 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,784.10	1,379.97
23 13 23 16-0006	EA	2,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	7,113.01	1,853.79
23 13 23 16-0007	EA	3,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,178.71	1,908.31
23 13 23 16-0008	EA	5,000 Gallon, Steel Storage Tank, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	14,542.30	2,359.36
23 13 23 16-0009	EA	8,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	19,639.30	2,703.38
23 13 23 16-0010	EA	10,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	23,239.17	2,949.13
23 13 23 16-0011	EA	12,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	26,865.86	3,244.06
23 13 23 16-0012	EA	15,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	29,748.88	3,604.48
23 13 23 16-0013	EA	20,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	37,240.47	4,634.33
23 13 23 16-0014	EA	30,000 Gallon, Steel Storage Tank, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	50,302.09	5,406.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 13 23 16-0015 Double Wall Aboveground Storage Tanks *(23 13 23 16)*

Note: Includes cradles, supports, coating, fittings, and 4" NPT connections as follows: up to 1000 gallon, 4 each: all others 6 each. Excludes pumps, piping, excavation and backfill.

23 13 23 16-0016	EA	300 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	4,245.34	825.15
23 13 23 16-0017	EA	550 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	5,105.50	998.53
23 13 23 16-0018	EA	1,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	6,903.64	1,379.97
23 13 23 16-0019	EA	1,500 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	8,904.77	1,724.96
23 13 23 16-0020	EA	2,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	10,813.10	2,317.21
23 13 23 16-0021	EA	3,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	15,914.58	2,385.31
23 13 23 16-0022	EA	5,000 Gallon, Steel Storage Tank, Double Wall, With 3/16" Shell, Aboveground With Supports, Coating And Fittings	22,939.64	2,938.46
23 13 23 16-0023	EA	8,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	31,286.07	3,379.25
23 13 23 16-0024	EA	10,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	37,168.75	3,686.45
23 13 23 16-0025	EA	12,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	43,067.23	4,055.03
23 13 23 16-0026	EA	15,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	47,681.56	4,505.68
23 13 23 16-0027	EA	20,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	59,616.72	5,792.93
23 13 23 16-0028	EA	30,000 Gallon, Steel Storage Tank, Double Wall, With 1/4" Shell, Aboveground With Supports, Coating And Fittings	81,031.92	6,758.41

23 13 23 19 Containment-Dike, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 19-0001 Secondary Containment For Above Ground Tanks *(23 13 23 19)*

23 13 23 19-0002	EA	Steel Dike For 550 Gallon Tank, Uncoated	3,658.53	
23 13 23 19-0003	EA	Steel Dike For 1,000 Gallon Tank, Uncoated	4,422.40	
23 13 23 19-0004	EA	Steel Dike For 2,000 Gallon Tank, Uncoated	9,608.42	
23 13 23 19-0005	EA	Steel Dike For 3,000 Gallon Tank, Uncoated	10,533.15	
23 13 23 19-0006	EA	Steel Dike For 5,000 Gallon Tank, Uncoated	14,943.83	
23 13 23 19-0007	EA	Steel Dike For 6,000 Gallon Tank, Uncoated	16,741.47	
23 13 23 19-0008	EA	Steel Dike For 8,000 Gallon Tank, Uncoated	22,088.31	
23 13 23 19-0009	EA	Steel Dike For 10,000 Gallon Tank, Uncoated	25,930.63	
23 13 23 19-0010	EA	Steel Dike For 12,000 Gallon Tank, Uncoated	29,451.12	
23 13 23 19-0011	EA	Steel Dike For 15,000 Gallon Tank, Uncoated	35,866.29	
23 13 23 19-0012	EA	Steel Dike For 20,000 Gallon Tank, Uncoated	45,899.69	

23 13 23 26 Concrete-Vaulted, Steel, Aboveground Fuel-Oil, Storage Tanks *(23 13 23)*

23 13 23 26-0001 Aboveground Concrete Vaulted Storage Tanks *(23 13 23 26)*

Note: Includes setting in place with stand, NPT openings for an emergency vent, regular vent, gauge, fill with an internal 5 gallon minimum overfill containment, supply and return and leak detection. All tanks that are 2000 gallon and larger shall have a ladder for access. Excludes excavation, pad, pumps and piping.

23 13 23 26-0002	EA	500 Gallon Concrete Vaulted Storage Tank	20,528.35	1,403.15
		For Low Profile Tanks, Add	*7,428.19*	
23 13 23 26-0003	EA	1,000 Gallon Concrete Vaulted Storage Tank	25,801.24	1,584.00
		For Low Profile Tanks, Add	*9,436.40*	
23 13 23 26-0004	EA	2,000 Gallon Concrete Vaulted Storage Tank	45,508.87	1,886.08
		For Low Profile Tanks, Add	*17,150.85*	
23 13 23 26-0005	EA	4,000 Gallon Concrete Vaulted Storage Tank	72,444.62	4,148.47
23 13 23 26-0006	EA	5,000 Gallon Concrete Vaulted Storage Tank	82,690.65	4,530.82
23 13 23 26-0007	EA	6,000 Gallon Concrete Vaulted Storage Tank	93,017.95	4,892.95
23 13 23 26-0008	EA	8,000 Gallon Concrete Vaulted Storage Tank	103,323.58	5,309.50
23 13 23 26-0009	EA	10,000 Gallon Concrete Vaulted Storage Tank	113,622.52	5,651.71

23 13 33 Facility Fuel-Oil, Storage Tank Accessories *(23 13)*

23 13 33 00-0001 EPA Requirements *(23 13 33)*

23 13 33 00-0002	EA	Fill Pipe Spill Containment Manhole (5 Gallon)	611.16	
23 13 33 00-0003	EA	Over-Fill Prevention Valve	1,350.02	
23 13 33 00-0004	EA	Tank Manway With Cover, Fiberglass	2,351.83	
23 13 33 00-0005	EA	Tank Manway With Cover, Steel	2,048.82	
23 13 33 00-0006	EA	Vent Fill Alarm (Whistle Vent)	106.67	
23 13 33 00-0007	EA	Reservoir Sensor, Liquid Level	269.26	
23 13 33 00-0008	EA	Manhole Spill Containment	1,018.44	236.53
23 13 33 00-0009	EA	Fill Adapter, 4"	254.02	157.72
23 13 33 00-0010	EA	Fill Cap, 4"	168.55	59.13
23 13 33 00-0011	EA	2" Vent Cap	104.37	39.46
23 13 33 00-0012	EA	4" x 2" Extractor Fitting	294.06	59.13
23 13 33 00-0013	EA	Float Vent Valve	369.84	118.26
23 13 33 00-0014	EA	Vapor Hose Adapter	299.31	78.81
23 13 33 00-0015	EA	Dust Cap	136.29	43.04
23 13 33 00-0016	EA	1" Double Poppet Foot Valve	433.07	67.55
23 13 33 00-0017	EA	10' Wood Gage Stick	36.80	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0018	EA	1-1/4" Tank Filled Breather, NPT	100.22	
23 13 33 00-0019	EA	1-1/2" Tank Filled Breather, Bayonet	131.23	
23 13 33 00-0020	EA	2" Cast Iron Combination Fill Cap And Vent	69.55	
23 13 33 00-0021	EA	3" Cast Iron Combination Fill Cap And Vent	93.06	
23 13 33 00-0022	EA	4" Cast Iron Combination Fill Cap And Vent	144.68	
23 13 33 00-0023	EA	Pressure And Vacuum Control Vent	546.99	
23 13 33 00-0024	EA	1/4 HP Fuel/Diesel Pump Set	1,283.25	
23 13 33 00-0025	EA	1/3 HP Fuel/Diesel Pump Set	1,514.78	
23 13 33 00-0026	EA	1/2 HP Fuel/Diesel Pump Set	1,652.77	
23 13 33 00-0027	EA	3/4 HP Fuel/Diesel Pump Set	1,813.11	
23 13 33 00-0028	EA	1 HP Fuel/Diesel Pump Set	2,571.39	
23 13 33 00-0029	EA	1-1/2 HP Fuel/Diesel Pump Set	3,166.72	
23 13 33 00-0030	EA	2 HP Fuel/Diesel Pump Set	3,507.18	
23 13 33 00-0031	EA	3 HP Fuel/Diesel Pump Set	4,299.31	
23 13 33 00-0032	EA	5 HP Fuel/Diesel Pump Set	5,082.42	
23 13 33 00-0033	EA	7.5 HP Fuel/Diesel Pump Set	5,689.40	
23 13 33 00-0034	EA	10 HP Fuel/Diesel Pump Set	6,566.14	

23 13 33 00-0035 Tank Bulkhead Fittings *(23 13 33)*

23 13 33 00-0036 Tank Bulkhead Fittings *(23 13 33 00-0035)*

23 13 33 00-0037 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0038	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	38.55	
23 13 33 00-0039	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	43.05	
23 13 33 00-0040	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	47.31	
23 13 33 00-0041	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	56.76	
23 13 33 00-0042	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	58.78	
23 13 33 00-0043	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	76.30	
23 13 33 00-0044	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	118.82	
23 13 33 00-0045	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Socket x Thread	204.90	

23 13 33 00-0046 Polyvinyl Chloride (PVC) Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0047	EA	1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	44.40	
23 13 33 00-0048	EA	3/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	48.88	
23 13 33 00-0049	EA	1" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	53.38	
23 13 33 00-0050	EA	1-1/4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	66.18	
23 13 33 00-0051	EA	1-1/2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	70.67	
23 13 33 00-0052	EA	2" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	87.07	
23 13 33 00-0053	EA	3" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	133.19	
23 13 33 00-0054	EA	4" Polyvinyl Chloride (PVC) Bulkhead Fitting, Thread x Thread	225.32	

23 13 33 00-0055 Chlorinated Polyvinyl Chloride (CPVC) Tank Bulkhead Fittings, Socket x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0056	EA	1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	45.73	
23 13 33 00-0057	EA	3/4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	52.71	
23 13 33 00-0058	EA	1" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	59.44	
23 13 33 00-0059	EA	1-1/2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	76.50	
23 13 33 00-0060	EA	2" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	99.18	
23 13 33 00-0061	EA	3" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	152.72	
23 13 33 00-0062	EA	4" Chlorinated Polyvinyl Chloride (CPVC) Bulkhead Fitting, Socket x Thread	237.45	

23 13 33 00-0063 Polypropylene Tank Bulkhead Fitting Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0064	EA	1/2" Polypropylene Bulkhead Fitting, Thread x Thread	53.16	
23 13 33 00-0065	EA	3/4" Polypropylene Bulkhead Fitting, Thread x Thread	62.58	
23 13 33 00-0066	EA	1" Polypropylene Bulkhead Fitting, Thread x Thread	76.71	
23 13 33 00-0067	EA	1-1/4" Polypropylene Bulkhead Fitting, Thread x Thread	93.11	
23 13 33 00-0068	EA	1-1/2" Polypropylene Bulkhead Fitting, Thread x Thread	95.13	
23 13 33 00-0069	EA	2" Polypropylene Bulkhead Fitting, Thread x Thread	134.86	
23 13 33 00-0070	EA	3" Polypropylene Bulkhead Fitting, Thread x Thread	238.87	
23 13 33 00-0071	EA	4" Polypropylene Bulkhead Fitting, Thread x Thread	423.69	

23 13 33 00-0072 Polyethylene Tank Bulkhead Fittings Thread x Threaded Connection *(23 13 33 00-0036)*

23 13 33 00-0073	EA	3/4" Polyethylene Bulkhead Fitting, Thread x Thread	47.31	
23 13 33 00-0074	EA	1" Polyethylene Bulkhead Fitting, Thread x Thread	60.49	
23 13 33 00-0075	EA	1-1/4" Polyethylene Bulkhead Fitting, Thread x Thread	62.52	
23 13 33 00-0076	EA	1-1/2" Polyethylene Bulkhead Fitting, Thread x Thread	64.54	
23 13 33 00-0077	EA	2" Polyethylene Bulkhead Fitting, Thread x Thread	88.85	
23 13 33 00-0078	EA	3" Polyethylene Bulkhead Fitting, Thread x Thread	111.71	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 13 33 00-0079		TFE Teflon Tank Bulkhead Fittings, Thread x Threaded Connection *(23 13 33 00-0036)*		
23 13 33 00-0080	EA	1/8" TFE Teflon Bulkhead Fitting, Thread x Thread	193.40	
23 13 33 00-0081	EA	1/4" TFE Teflon Bulkhead Fitting, Thread x Thread	221.07	
23 13 33 00-0082	EA	3/8" TFE Teflon Bulkhead Fitting, Thread x Thread	271.42	
23 13 33 00-0083	EA	1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	312.76	
23 13 33 00-0084	EA	3/4" TFE Teflon Bulkhead Fitting, Thread x Thread	360.24	
23 13 33 00-0085	EA	1" TFE Teflon Bulkhead Fitting, Thread x Thread	453.31	
23 13 33 00-0086	EA	1-1/2" TFE Teflon Bulkhead Fitting, Thread x Thread	588.47	
23 13 33 00-0087	EA	2" TFE Teflon Bulkhead Fitting, Thread x Thread	650.06	
23 13 33 00-0088		Self-Aligning Bulkhead Fittings *(23 13 33 00-0035)*		
23 13 33 00-0089	EA	3/4" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	198.83	
23 13 33 00-0090	EA	1" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	199.35	
23 13 33 00-0091	EA	1-1/2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	290.05	
23 13 33 00-0092	EA	2" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	296.29	
23 13 33 00-0093	EA	3" Self-Aligning Polyvinyl Chloride (PVC) Bulkhead Fitting	398.63	

23 20 HVAC Piping and Pumps *(23)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 Hydronic Piping and Pumps *(23 20)*

23 21 13 Hydronic Piping *(23 21)*

Note: The demolition price for only the length of pipe (LF) shall be used for lengths (LF) of pipe removal which do include the fittings, valves, and insulation. The demolition price for individual fittings, valves, and insulation shall not be used in conjunction with pipe (LF) demolition tasks.

23 21 13 23 Aboveground Hydronic Piping *(23 21 13)*

23 21 13 23-0001 Threaded Black Steel Pipe *(23 21 13 23)*

23 21 13 23-0002 Threaded Black Steel Pipe Assemblies *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

23 21 13 23-0003	LF	1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	16.51	3.73
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*3.89*	
		For Work In Restricted Working Space, Add	*3.86*	
23 21 13 23-0004	LF	3/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	17.78	4.01
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.25*	
		For Work In Restricted Working Space, Add	*4.03*	
23 21 13 23-0005	LF	1" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	19.29	4.39
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*4.68*	
		For Work In Restricted Working Space, Add	*4.25*	
23 21 13 23-0006	LF	1-1/4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.75	4.58
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*5.74*	
		For Work In Restricted Working Space, Add	*4.59*	
23 21 13 23-0007	LF	1-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	23.81	5.42
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*6.09*	
		For Work In Restricted Working Space, Add	*4.65*	
23 21 13 23-0008	LF	2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	28.01	6.53
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*7.29*	
		For Work In Restricted Working Space, Add	*5.24*	
23 21 13 23-0009	LF	2-1/2" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	40.00	7.74
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*10.93*	
		For Work In Restricted Working Space, Add	*6.50*	
23 21 13 23-0010	LF	3" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	50.52	10.36
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*13.94*	
		For Work In Restricted Working Space, Add	*7.97*	
23 21 13 23-0011	LF	4" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	69.92	12.00
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*20.55*	
		For Work In Restricted Working Space, Add	*8.67*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0012	LF	5" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	113.04	15.33
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*35.19*	
		For Work In Restricted Working Space, Add	*10.33*	
23 21 13 23-0013	LF	6" Schedule 40 Threaded Black Steel Pipe With 150 LB Malleable Iron Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	133.34	18.13
		For Schedule 80 Pipe With 300 LB Malleable Iron Fittings, Add	*41.76*	
		For Work In Restricted Working Space, Add	*11.70*	

23 21 13 23-0014 Threaded Black Steel Pipe And Fittings *(23 21 13 23-0001)*

Note: ASTM A-53 pipe and A-105 fittings. Threaded and coupled, schedule 40. Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-0015 Threaded And Coupled, Black Steel Piping *(23 21 13 23-0014)*

Note: ASTM A-53. Includes coupling.

23 21 13 23-0016	LF	3/8" Schedule 40, Threaded And Coupled, Black Steel Pipe	5.74	2.33
		For Schedule 80 Pipe, Add	*0.93*	
		For Work In Restricted Working Space, Add	*1.41*	
23 21 13 23-0017	LF	1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	7.38	3.73
		For Schedule 80 Pipe, Add	*1.34*	
		For Work In Restricted Working Space, Add	*1.70*	
23 21 13 23-0018	LF	3/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	8.24	4.01
		For Schedule 80 Pipe, Add	*1.60*	
		For Work In Restricted Working Space, Add	*1.81*	
23 21 13 23-0019	LF	1" Schedule 40, Threaded And Coupled, Black Steel Pipe	9.49	4.39
		For Schedule 80 Pipe, Add	*1.99*	
		For Work In Restricted Working Space, Add	*1.96*	
23 21 13 23-0020	LF	1-1/4" Schedule 40, Threaded And Coupled, Black Steel Pipe	10.89	4.58
		For Schedule 80 Pipe, Add	*2.48*	
		For Work In Restricted Working Space, Add	*2.08*	
23 21 13 23-0021	LF	1-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	12.87	5.42
		For Schedule 80 Pipe, Add	*2.95*	
		For Work In Restricted Working Space, Add	*2.44*	
23 21 13 23-0022	LF	2" Schedule 40, Threaded And Coupled, Black Steel Pipe	16.04	6.53
		For Schedule 80 Pipe, Add	*3.78*	
		For Work In Restricted Working Space, Add	*2.95*	
23 21 13 23-0023	LF	2-1/2" Schedule 40, Threaded And Coupled, Black Steel Pipe	21.49	7.74
		For Schedule 80 Pipe, Add	*5.59*	
		For Work In Restricted Working Space, Add	*3.50*	
23 21 13 23-0024	LF	3" Schedule 40, Threaded And Coupled, Black Steel Pipe	28.42	10.36
		For Schedule 80 Pipe, Add	*7.34*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0025	LF	4" Schedule 40, Threaded And Coupled, Black Steel Pipe	37.27	12.00
		For Schedule 80 Pipe, Add	*10.45*	
		For Work In Restricted Working Space, Add	*5.42*	
23 21 13 23-0026	LF	5" Schedule 40, Threaded And Coupled, Black Steel Pipe	48.50	15.33
		For Schedule 80 Pipe, Add	*13.79*	
		For Work In Restricted Working Space, Add	*6.89*	
23 21 13 23-0027	LF	6" Schedule 40, Threaded And Coupled, Black Steel Pipe	60.85	18.13
		For Schedule 80 Pipe, Add	*17.88*	
		For Work In Restricted Working Space, Add	*8.15*	
23 21 13 23-0028	LF	8" Schedule 40, Threaded And Coupled, Black Steel Pipe	82.77	21.92
		For Schedule 80 Pipe, Add	*25.76*	
		For Work In Restricted Working Space, Add	*9.84*	
23 21 13 23-0029	LF	10" Schedule 40, Threaded And Coupled, Black Steel Pipe	110.81	26.71
		For Schedule 80 Pipe, Add	*35.83*	
		For Work In Restricted Working Space, Add	*12.03*	
23 21 13 23-0030	LF	12" Schedule 40, Threaded And Coupled, Black Steel Pipe	147.71	35.10
		For Schedule 80 Pipe, Add	*48.05*	
		For Work In Restricted Working Space, Add	*15.79*	

23 21 13 23-0031 Black Malleable Iron 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0032	EA	3/8", 150 LB, Black Malleable Iron 90 Degree Elbow	25.88	10.36
		For 300 LB Rating, Add	*13.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0033	EA	1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	28.46	16.62
		For 300 LB Rating, Add	*10.06*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0034	EA	3/4", 150 LB, Black Malleable Iron 90 Degree Elbow	32.16	18.58
		For 300 LB Rating, Add	*11.99*	
		For Standard Weight Cast Iron Fittings, Add	*0.07*	
		For Work In Restricted Working Space, Add	*8.36*	
23 21 13 23-0035	EA	1", 150 LB, Black Malleable Iron 90 Degree Elbow	38.58	20.72
		For 300 LB Rating, Add	*19.79*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0036	EA	1-1/4", 150 LB, Black Malleable Iron 90 Degree Elbow	47.54	23.52
		For 300 LB Rating, Add	*31.68*	
		For Standard Weight Cast Iron Fittings, Add	*0.20*	
		For Work In Restricted Working Space, Add	*10.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0037	EA	1-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	55.93	26.51
		For 300 LB Rating, Add	*41.29*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-0038	EA	2", 150 LB, Black Malleable Iron 90 Degree Elbow	78.40	33.69
		For 300 LB Rating, Add	*70.11*	
		For Standard Weight Cast Iron Fittings, Add	*0.45*	
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-0039	EA	2-1/2", 150 LB, Black Malleable Iron 90 Degree Elbow	136.94	49.85
		For 300 LB Rating, Add	*153.93*	
		For Standard Weight Cast Iron Fittings, Add	*1.00*	
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0040	EA	3", 150 LB, Black Malleable Iron 90 Degree Elbow	189.37	65.53
		For 300 LB Rating, Add	*224.58*	
		For Standard Weight Cast Iron Fittings, Add	*1.46*	
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-0041	EA	4", 150 LB, Black Malleable Iron 90 Degree Elbow	300.97	70.18
		For 300 LB Rating, Add	*476.04*	
		For Standard Weight Cast Iron Fittings, Add	*3.13*	
		For Work In Restricted Working Space, Add	*31.58*	
23 21 13 23-0042	EA	5", 150 LB, Black Malleable Iron 90 Degree Elbow	681.76	73.25
		For 300 LB Rating, Add	*1,379.22*	
		For Standard Weight Cast Iron Fittings, Add	*9.15*	
		For Work In Restricted Working Space, Add	*32.95*	
23 21 13 23-0043	EA	6", 150 LB, Black Malleable Iron 90 Degree Elbow	775.47	76.59
		For 300 LB Rating, Add	*1,592.45*	
		For Standard Weight Cast Iron Fittings, Add	*10.57*	
		For Work In Restricted Working Space, Add	*34.45*	

23 21 13 23-0044 Black Malleable Iron Reducing 90 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0045	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	29.60	15.22
		For 300 LB Rating, Add	*17.66*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*6.84*	
23 21 13 23-0046	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	33.37	17.55
		For 300 LB Rating, Add	*18.36*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*7.91*	
23 21 13 23-0047	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	34.07	16.25
		For 300 LB Rating, Add	*24.91*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*7.29*	
23 21 13 23-0048	EA	1" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	38.47	19.69
		For 300 LB Rating, Add	*23.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*8.85*	
23 21 13 23-0049	EA	1" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	37.69	18.67
		For 300 LB Rating, Add	*24.94*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0050	EA	1" x 3/8", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	45.00	17.26
		For 300 LB Rating, Add	*47.32*	
		For Standard Weight Cast Iron Fittings, Add	*0.31*	
		For Work In Restricted Working Space, Add	*7.78*	
23 21 13 23-0051	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	48.26	22.12
		For 300 LB Rating, Add	*38.21*	
		For Standard Weight Cast Iron Fittings, Add	*0.24*	
		For Work In Restricted Working Space, Add	*9.95*	
23 21 13 23-0052	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	48.38	21.01
		For 300 LB Rating, Add	*42.31*	
		For Standard Weight Cast Iron Fittings, Add	*0.27*	
		For Work In Restricted Working Space, Add	*9.46*	
23 21 13 23-0053	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	49.72	20.07
		For 300 LB Rating, Add	*49.01*	
		For Standard Weight Cast Iron Fittings, Add	*0.31*	
		For Work In Restricted Working Space, Add	*9.02*	
23 21 13 23-0054	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	58.75	25.02
		For 300 LB Rating, Add	*53.34*	
		For Standard Weight Cast Iron Fittings, Add	*0.34*	
		For Work In Restricted Working Space, Add	*11.24*	
23 21 13 23-0055	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	56.71	23.62
		For 300 LB Rating, Add	*53.22*	
		For Standard Weight Cast Iron Fittings, Add	*0.34*	
		For Work In Restricted Working Space, Add	*10.63*	
23 21 13 23-0056	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	58.15	22.50
		For 300 LB Rating, Add	*60.49*	
		For Standard Weight Cast Iron Fittings, Add	*0.39*	
		For Work In Restricted Working Space, Add	*10.14*	
23 21 13 23-0057	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	75.93	30.05
		For 300 LB Rating, Add	*76.72*	
		For Standard Weight Cast Iron Fittings, Add	*0.49*	
		For Work In Restricted Working Space, Add	*13.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0058	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	77.89	28.56
		For 300 LB Rating, Add	*86.69*	
		For Standard Weight Cast Iron Fittings, Add	*0.56*	
		For Work In Restricted Working Space, Add	*12.85*	
23 21 13 23-0059	EA	2" x 1", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	75.83	27.16
		For 300 LB Rating, Add	*86.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.56*	
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-0060	EA	2" x 3/4", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	76.32	26.14
		For 300 LB Rating, Add	*91.53*	
		For Standard Weight Cast Iron Fittings, Add	*0.59*	
		For Work In Restricted Working Space, Add	*11.75*	
23 21 13 23-0061	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	147.20	41.72
		For 300 LB Rating, Add	*206.89*	
		For Standard Weight Cast Iron Fittings, Add	*1.35*	
		For Work In Restricted Working Space, Add	*18.77*	
23 21 13 23-0062	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	146.82	38.18
		For 300 LB Rating, Add	*218.52*	
		For Standard Weight Cast Iron Fittings, Add	*1.43*	
		For Work In Restricted Working Space, Add	*17.16*	
23 21 13 23-0063	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	244.86	57.68
		For 300 LB Rating, Add	*385.35*	
		For Standard Weight Cast Iron Fittings, Add	*2.53*	
		For Work In Restricted Working Space, Add	*25.94*	
23 21 13 23-0064	EA	3" x 2", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	211.18	49.56
		For 300 LB Rating, Add	*332.85*	
		For Standard Weight Cast Iron Fittings, Add	*2.19*	
		For Work In Restricted Working Space, Add	*22.31*	
23 21 13 23-0065	EA	4" x 3", 150 LB, Black Malleable Iron Reducing 90 Degree Elbow	370.83	66.76
		For 300 LB Rating, Add	*655.73*	
		For Standard Weight Cast Iron Fittings, Add	*4.33*	
		For Work In Restricted Working Space, Add	*30.03*	

23 21 13 23-0066 Black Malleable Iron 45 Degree Elbows *(23 21 13 23-0014)*

23 21 13 23-0067	EA	3/8", 150 LB, Black Malleable Iron 45 Degree Elbow	28.49	10.36
		For 300 LB Rating, Add	*19.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0068	EA	1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	30.78	16.62
		For 300 LB Rating, Add	*15.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0069	EA	3/4", 150 LB, Black Malleable Iron 45 Degree Elbow	35.14	18.58
		For 300 LB Rating, Add	*19.14*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*8.36*	
23 21 13 23-0070	EA	1", 150 LB, Black Malleable Iron 45 Degree Elbow	40.28	20.72
		For 300 LB Rating, Add	*23.87*	
		For Standard Weight Cast Iron Fittings, Add	*0.15*	
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0071	EA	1-1/4", 150 LB, Black Malleable Iron 45 Degree Elbow	51.44	23.52
		For 300 LB Rating, Add	*41.04*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0072	EA	1-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	59.79	26.51
		For 300 LB Rating, Add	*50.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.32*	
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-0073	EA	2", 150 LB, Black Malleable Iron 45 Degree Elbow	80.80	33.69
		For 300 LB Rating, Add	*75.87*	
		For Standard Weight Cast Iron Fittings, Add	*0.49*	
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-0074	EA	2-1/2", 150 LB, Black Malleable Iron 45 Degree Elbow	162.48	49.85
		For 300 LB Rating, Add	*215.22*	
		For Standard Weight Cast Iron Fittings, Add	*1.40*	
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0075	EA	3", 150 LB, Black Malleable Iron 45 Degree Elbow	212.30	65.53
		For 300 LB Rating, Add	*279.62*	
		For Standard Weight Cast Iron Fittings, Add	*1.82*	
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-0076	EA	4", 150 LB, Black Malleable Iron 45 Degree Elbow	328.90	70.18
		For 300 LB Rating, Add	*543.08*	
		For Standard Weight Cast Iron Fittings, Add	*3.58*	
		For Work In Restricted Working Space, Add	*31.58*	
23 21 13 23-0077	EA	5", 150 LB, Black Malleable Iron 45 Degree Elbow	993.27	73.25
		For 300 LB Rating, Add	*2,126.85*	
		For Standard Weight Cast Iron Fittings, Add	*14.14*	
		For Work In Restricted Working Space, Add	*32.95*	
23 21 13 23-0078	EA	6", 150 LB, Black Malleable Iron 45 Degree Elbow	1,018.68	76.59
		For 300 LB Rating, Add	*2,176.15*	
		For Standard Weight Cast Iron Fittings, Add	*14.46*	
		For Work In Restricted Working Space, Add	*34.45*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0079		**Black Malleable Iron Tees** *(23 21 13 23-0014)*		
23 21 13 23-0080	EA	3/8", 150 LB, Black Malleable Iron Tee	33.40	12.98
		For 300 LB Rating, Add	*19.48*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*7.78*	
23 21 13 23-0081	EA	1/2", 150 LB, Black Malleable Iron Tee	35.88	20.72
		For 300 LB Rating, Add	*13.31*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0082	EA	3/4", 150 LB, Black Malleable Iron Tee	42.74	23.99
		For 300 LB Rating, Add	*18.57*	
		For Standard Weight Cast Iron Fittings, Add	*0.11*	
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0083	EA	1", 150 LB, Black Malleable Iron Tee	54.14	28.29
		For 300 LB Rating, Add	*30.67*	
		For Standard Weight Cast Iron Fittings, Add	*0.19*	
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-0084	EA	1-1/4", 150 LB, Black Malleable Iron Tee	69.43	33.69
		For 300 LB Rating, Add	*48.58*	
		For Standard Weight Cast Iron Fittings, Add	*0.30*	
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-0085	EA	1-1/2", 150 LB, Black Malleable Iron Tee	83.82	40.14
		For 300 LB Rating, Add	*60.25*	
		For Standard Weight Cast Iron Fittings, Add	*0.38*	
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-0086	EA	2", 150 LB, Black Malleable Iron Tee	114.89	49.85
		For 300 LB Rating, Add	*101.01*	
		For Standard Weight Cast Iron Fittings, Add	*0.64*	
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0087	EA	2-1/2", 150 LB, Black Malleable Iron Tee	184.96	65.53
		For 300 LB Rating, Add	*214.00*	
		For Standard Weight Cast Iron Fittings, Add	*1.39*	
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-0088	EA	3", 150 LB, Black Malleable Iron Tee	244.40	77.84
		For 300 LB Rating, Add	*313.53*	
		For Standard Weight Cast Iron Fittings, Add	*2.04*	
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-0089	EA	4", 150 LB, Black Malleable Iron Tee	441.66	88.69
		For 300 LB Rating, Add	*748.88*	
		For Standard Weight Cast Iron Fittings, Add	*4.94*	
		For Work In Restricted Working Space, Add	*39.89*	
23 21 13 23-0090	EA	5", 150 LB, Black Malleable Iron Tee	1,093.37	105.28
		For 300 LB Rating, Add	*2,254.65*	
		For Standard Weight Cast Iron Fittings, Add	*14.97*	
		For Work In Restricted Working Space, Add	*47.36*	
23 21 13 23-0091	EA	6", 150 LB, Black Malleable Iron Tee	1,184.37	120.35
		For 300 LB Rating, Add	*2,420.28*	
		For Standard Weight Cast Iron Fittings, Add	*16.06*	
		For Work In Restricted Working Space, Add	*54.13*	
23 21 13 23-0092		**Black Malleable Iron Reducing Tees** *(23 21 13 23-0014)*		
23 21 13 23-0093	EA	1/2", 150 LB, Black Malleable Iron Reducing Tee	39.22	20.72
		For 300 LB Rating, Add	*21.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.13*	
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0094	EA	3/4", 150 LB, Black Malleable Iron Reducing Tee	46.48	23.99
		For 300 LB Rating, Add	*27.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0095	EA	1", 150 LB, Black Malleable Iron Reducing Tee	55.77	28.29
		For 300 LB Rating, Add	*34.59*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-0096	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Tee	76.69	33.69
		For 300 LB Rating, Add	*66.00*	
		For Standard Weight Cast Iron Fittings, Add	*0.42*	
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-0097	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Tee	89.30	40.14
		For 300 LB Rating, Add	*73.41*	
		For Standard Weight Cast Iron Fittings, Add	*0.47*	
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-0098	EA	2", 150 LB, Black Malleable Iron Reducing Tee	116.88	49.85
		For 300 LB Rating, Add	*105.78*	
		For Standard Weight Cast Iron Fittings, Add	*0.68*	
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0099	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Tee	229.78	65.53
		For 300 LB Rating, Add	*321.57*	
		For Standard Weight Cast Iron Fittings, Add	*2.10*	
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-0100	EA	3", 150 LB, Black Malleable Iron Reducing Tee	267.33	77.84
		For 300 LB Rating, Add	*368.56*	
		For Standard Weight Cast Iron Fittings, Add	*2.41*	
		For Work In Restricted Working Space, Add	*35.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0101	EA	4", 150 LB, Black Malleable Iron Reducing Tee	498.31	88.69
		For 300 LB Rating, Add	*884.84*	
		For Standard Weight Cast Iron Fittings, Add	*5.85*	
		For Work In Restricted Working Space, Add	*39.89*	
23 21 13 23-0102	EA	5", 150 LB, Black Malleable Iron Reducing Tee	1,005.33	105.28
		For 300 LB Rating, Add	*2,043.35*	
		For Standard Weight Cast Iron Fittings, Add	*13.56*	
		For Work In Restricted Working Space, Add	*47.36*	
23 21 13 23-0103	EA	6", 150 LB, Black Malleable Iron Reducing Tee	1,141.64	120.35
		For 300 LB Rating, Add	*2,317.73*	
		For Standard Weight Cast Iron Fittings, Add	*15.38*	
		For Work In Restricted Working Space, Add	*54.13*	

23 21 13 23-0104 Black Malleable Iron Couplings *(23 21 13 23-0014)*

23 21 13 23-0105	EA	3/8", 150 LB, Black Malleable Iron Coupling	27.14	10.36
		For 300 LB Rating, Add	*16.60*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0106	EA	1/2", 150 LB, Black Malleable Iron Coupling	29.82	16.62
		For 300 LB Rating, Add	*13.33*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0107	EA	3/4", 150 LB, Black Malleable Iron Coupling	33.63	18.58
		For 300 LB Rating, Add	*15.52*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*8.36*	
23 21 13 23-0108	EA	1", 150 LB, Black Malleable Iron Coupling	39.76	20.72
		For 300 LB Rating, Add	*22.63*	
		For Standard Weight Cast Iron Fittings, Add	*0.14*	
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0109	EA	1-1/4", 150 LB, Black Malleable Iron Coupling	46.42	23.52
		For 300 LB Rating, Add	*28.99*	
		For Standard Weight Cast Iron Fittings, Add	*0.18*	
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-0110	EA	1-1/2", 150 LB, Black Malleable Iron Coupling	54.85	26.51
		For 300 LB Rating, Add	*38.70*	
		For Standard Weight Cast Iron Fittings, Add	*0.24*	
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-0111	EA	2", 150 LB, Black Malleable Iron Coupling	72.87	33.69
		For 300 LB Rating, Add	*56.84*	
		For Standard Weight Cast Iron Fittings, Add	*0.36*	
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-0112	EA	2-1/2", 150 LB, Black Malleable Iron Coupling	136.54	49.85
		For 300 LB Rating, Add	*152.97*	
		For Standard Weight Cast Iron Fittings, Add	*0.99*	
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0113	EA	3", 150 LB, Black Malleable Iron Coupling	181.90	65.53
		For 300 LB Rating, Add	*206.66*	
		For Standard Weight Cast Iron Fittings, Add	*1.34*	
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-0114	EA	4", 150 LB, Black Malleable Iron Coupling	273.71	70.18
		For 300 LB Rating, Add	*410.62*	
		For Standard Weight Cast Iron Fittings, Add	*2.70*	
		For Work In Restricted Working Space, Add	*31.58*	
23 21 13 23-0115	EA	5", 150 LB, Black Malleable Iron Coupling	584.19	73.25
		For 300 LB Rating, Add	*1,145.05*	
		For Standard Weight Cast Iron Fittings, Add	*7.59*	
		For Work In Restricted Working Space, Add	*32.95*	
23 21 13 23-0116	EA	6", 150 LB, Black Malleable Iron Coupling	655.24	76.59
		For 300 LB Rating, Add	*1,303.90*	
		For Standard Weight Cast Iron Fittings, Add	*8.65*	
		For Work In Restricted Working Space, Add	*34.45*	

23 21 13 23-0117 Black Malleable Iron Reducing Couplings *(23 21 13 23-0014)*

23 21 13 23-0118	EA	1/2", 150 LB, Black Malleable Iron Reducing Coupling	31.01	16.62
		For 300 LB Rating, Add	*16.18*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0119	EA	3/4", 150 LB, Black Malleable Iron Reducing Coupling	34.34	18.58
		For 300 LB Rating, Add	*17.22*	
		For Standard Weight Cast Iron Fittings, Add	*0.10*	
		For Work In Restricted Working Space, Add	*8.36*	
23 21 13 23-0120	EA	1", 150 LB, Black Malleable Iron Reducing Coupling	41.20	20.72
		For 300 LB Rating, Add	*26.08*	
		For Standard Weight Cast Iron Fittings, Add	*0.16*	
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0121	EA	1-1/4", 150 LB, Black Malleable Iron Reducing Coupling	48.20	23.52
		For 300 LB Rating, Add	*33.27*	
		For Standard Weight Cast Iron Fittings, Add	*0.21*	
		For Work In Restricted Working Space, Add	*10.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0122	EA	1-1/2", 150 LB, Black Malleable Iron Reducing Coupling	56.12	26.51
		For 300 LB Rating, Add	*41.74*	
		For Standard Weight Cast Iron Fittings, Add	*0.26*	
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-0123	EA	2", 150 LB, Black Malleable Iron Reducing Coupling	74.21	33.69
		For 300 LB Rating, Add	*60.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.38*	
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-0124	EA	2-1/2", 150 LB, Black Malleable Iron Reducing Coupling	144.89	49.85
		For 300 LB Rating, Add	*173.01*	
		For Standard Weight Cast Iron Fittings, Add	*1.12*	
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0125	EA	3", 150 LB, Black Malleable Iron Reducing Coupling	183.61	65.53
		For 300 LB Rating, Add	*210.76*	
		For Standard Weight Cast Iron Fittings, Add	*1.37*	
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-0126	EA	4", 150 LB, Black Malleable Iron Reducing Coupling	276.35	70.18
		For 300 LB Rating, Add	*416.96*	
		For Standard Weight Cast Iron Fittings, Add	*2.74*	
		For Work In Restricted Working Space, Add	*31.58*	
23 21 13 23-0127	EA	5", 150 LB, Black Malleable Iron Reducing Coupling	494.40	73.25
		For 300 LB Rating, Add	*929.56*	
		For Standard Weight Cast Iron Fittings, Add	*6.15*	
		For Work In Restricted Working Space, Add	*32.95*	
23 21 13 23-0128	EA	6", 150 LB, Black Malleable Iron Reducing Coupling	608.76	76.59
		For 300 LB Rating, Add	*1,192.35*	
		For Standard Weight Cast Iron Fittings, Add	*7.90*	
		For Work In Restricted Working Space, Add	*34.45*	

23 21 13 23-0129 Black Malleable Iron Caps *(23 21 13 23-0014)*

23 21 13 23-0130	EA	1/2", 150 LB, Black Malleable Iron Cap	15.28	7.74
		For 300 LB Rating, Add	*9.36*	
		For Standard Weight Cast Iron Fittings, Add	*0.06*	
		For Work In Restricted Working Space, Add	*3.50*	
23 21 13 23-0131	EA	3/4", 150 LB, Black Malleable Iron Cap	17.32	8.31
		For 300 LB Rating, Add	*12.46*	
		For Standard Weight Cast Iron Fittings, Add	*0.08*	
		For Work In Restricted Working Space, Add	*3.73*	
23 21 13 23-0132	EA	1", 150 LB, Black Malleable Iron Cap	20.27	9.61
		For 300 LB Rating, Add	*15.05*	
		For Standard Weight Cast Iron Fittings, Add	*0.09*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0133	EA	1-1/4", 150 LB, Black Malleable Iron Cap	23.34	10.36
		For 300 LB Rating, Add	*19.61*	
		For Standard Weight Cast Iron Fittings, Add	*0.12*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0134	EA	1-1/2", 150 LB, Black Malleable Iron Cap	26.25	10.36
		For 300 LB Rating, Add	*26.59*	
		For Standard Weight Cast Iron Fittings, Add	*0.17*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0135	EA	2", 150 LB, Black Malleable Iron Cap	35.69	13.35
		For 300 LB Rating, Add	*38.67*	
		For Standard Weight Cast Iron Fittings, Add	*0.25*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0136	EA	2-1/2", 150 LB, Black Malleable Iron Cap	60.70	16.62
		For 300 LB Rating, Add	*87.44*	
		For Standard Weight Cast Iron Fittings, Add	*0.57*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0137	EA	3", 150 LB, Black Malleable Iron Cap	82.92	20.07
		For 300 LB Rating, Add	*128.55*	
		For Standard Weight Cast Iron Fittings, Add	*0.84*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0138	EA	4", 150 LB, Black Malleable Iron Cap	126.65	24.08
		For 300 LB Rating, Add	*219.51*	
		For Standard Weight Cast Iron Fittings, Add	*1.45*	
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-0139	EA	5", 150 LB, Black Malleable Iron Cap	260.95	30.13
		For 300 LB Rating, Add	*520.72*	
		For Standard Weight Cast Iron Fittings, Add	*3.45*	
		For Work In Restricted Working Space, Add	*13.53*	
23 21 13 23-0140	EA	6", 150 LB, Black Malleable Iron Cap	449.38	35.81
		For 300 LB Rating, Add	*952.76*	
		For Standard Weight Cast Iron Fittings, Add	*6.33*	
		For Work In Restricted Working Space, Add	*16.12*	

23 21 13 23-0141 Black Malleable Iron Unions *(23 21 13 23-0014)*

23 21 13 23-0142	EA	3/8", 150 LB, Black Malleable Iron Union	38.03	10.36
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0143	EA	1/2", 150 LB, Black Malleable Iron Union	46.76	20.72
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0144	EA	3/4", 150 LB, Black Malleable Iron Union	53.89	23.99
		For Work In Restricted Working Space, Add	*10.77*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0145	EA	1", 150 LB, Black Malleable Iron Union	65.87	28.29
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-0146	EA	1-1/4", 150 LB, Black Malleable Iron Union	84.08	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-0147	EA	1-1/2", 150 LB, Black Malleable Iron Union	102.15	40.14
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-0148	EA	2", 150 LB, Black Malleable Iron Union	123.43	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0149	EA	2-1/2", 150 LB, Black Malleable Iron Union	255.50	73.45
		For Work In Restricted Working Space, Add	*33.07*	
23 21 13 23-0150	EA	3", 150 LB, Black Malleable Iron Union	319.92	96.61
		For Work In Restricted Working Space, Add	*43.51*	
23 21 13 23-0151	EA	3/8", 250 LB, Black Malleable Iron Union	43.59	10.36
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0152	EA	1/2", 250 LB, Black Malleable Iron Union	57.33	20.72
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0153	EA	3/4", 250 LB, Black Malleable Iron Union	61.69	23.99
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0154	EA	1", 250 LB, Black Malleable Iron Union	74.06	28.29
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-0155	EA	1-1/4", 250 LB, Black Malleable Iron Union	103.54	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-0156	EA	1-1/2", 250 LB, Black Malleable Iron Union	121.34	40.14
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-0157	EA	2", 250 LB, Black Malleable Iron Union	153.08	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0158	EA	2-1/2", 250 LB, Black Malleable Iron Union	356.01	73.45
		For Work In Restricted Working Space, Add	*33.07*	
23 21 13 23-0159	EA	3", 250 LB, Black Malleable Iron Union	432.69	96.61
		For Work In Restricted Working Space, Add	*43.51*	
23 21 13 23-0160	EA	4", 250 LB, Black Malleable Iron Union	665.23	103.56
		For Work In Restricted Working Space, Add	*46.61*	
23 21 13 23-0161	EA	3/8", 300 LB, Black Malleable Iron Union	57.82	10.36
		For Work In Restricted Working Space, Add	*6.22*	
23 21 13 23-0162	EA	1/2", 300 LB, Black Malleable Iron Union	61.11	20.72
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-0163	EA	3/4", 300 LB, Black Malleable Iron Union	69.12	23.99
		For Work In Restricted Working Space, Add	*10.77*	
23 21 13 23-0164	EA	1", 300 LB, Black Malleable Iron Union	85.80	28.29
		For Work In Restricted Working Space, Add	*12.73*	
23 21 13 23-0165	EA	1-1/4", 300 LB, Black Malleable Iron Union	121.19	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-0166	EA	1-1/2", 300 LB, Black Malleable Iron Union	134.30	40.14
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-0167	EA	2", 300 LB, Black Malleable Iron Union	166.43	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-0168	EA	2-1/2", 300 LB, Black Malleable Iron Union	406.08	73.45
		For Work In Restricted Working Space, Add	*33.07*	
23 21 13 23-0169	EA	3", 300 LB, Black Malleable Iron Union	527.78	96.61
		For Work In Restricted Working Space, Add	*43.51*	
23 21 13 23-0170	EA	4", 300 LB, Black Malleable Iron Union	1,370.14	103.56
		For Work In Restricted Working Space, Add	*46.61*	

23 21 13 23-0171 Black Steel Nipples *(23 21 13 23-0014)*

23 21 13 23-0172	EA	3/8" x Close, Schedule 40 Black Steel Nipple	14.95	8.86
		For Schedule 80 Nipples, Add	*0.81*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0173	EA	1/2" x Close, Schedule 40 Black Steel Nipple	14.70	8.86
		For Schedule 80 Nipples, Add	*0.69*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0174	EA	3/4" x Close, Schedule 40 Black Steel Nipple	14.90	8.86
		For Schedule 80 Nipples, Add	*0.79*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0175	EA	1" x Close, Schedule 40 Black Steel Nipple	16.64	9.61
		For Schedule 80 Nipples, Add	*1.14*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0176	EA	1-1/4" x Close, Schedule 40 Black Steel Nipple	18.45	10.36
		For Schedule 80 Nipples, Add	*1.45*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0177	EA	1-1/2" x Close, Schedule 40 Black Steel Nipple	19.16	10.36
		For Schedule 80 Nipples, Add	*1.80*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0178	EA	2" x Close, Schedule 40 Black Steel Nipple	24.98	13.35
		For Schedule 80 Nipples, Add	*2.45*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0179	EA	2-1/2" x Close, Schedule 40 Black Steel Nipple	40.22	16.62
		For Schedule 80 Nipples, Add	*7.67*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0180	EA	3" x Close, Schedule 40 Black Steel Nipple	48.33	20.07
		For Schedule 80 Nipples, Add	*9.11*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0181	EA	4" x Close, Schedule 40 Black Steel Nipple	63.53	24.08
		For Schedule 80 Nipples, Add	*13.72*	
		For Work In Restricted Working Space, Add	*10.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0182	EA	3/8" x 1-1/2" Long, Schedule 40 Black Steel Nipple	15.17	8.86
		For Schedule 80 Nipples, Add	*0.92*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0183	EA	1/2" x 1-1/2" Long, Schedule 40 Black Steel Nipple	14.70	8.86
		For Schedule 80 Nipples, Add	*0.69*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0184	EA	3/4" x 1-1/2" Long, Schedule 40 Black Steel Nipple	15.02	8.86
		For Schedule 80 Nipples, Add	*0.85*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0185	EA	3/8" x 2" Long, Schedule 40 Black Steel Nipple	15.17	8.86
		For Schedule 80 Nipples, Add	*0.92*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0186	EA	1/2" x 2" Long, Schedule 40 Black Steel Nipple	14.70	8.86
		For Schedule 80 Nipples, Add	*0.69*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0187	EA	3/4" x 2" Long, Schedule 40 Black Steel Nipple	15.02	8.86
		For Schedule 80 Nipples, Add	*0.85*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0188	EA	1" x 2" Long, Schedule 40 Black Steel Nipple	16.86	9.61
		For Schedule 80 Nipples, Add	*1.25*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0189	EA	1-1/4" x 2" Long, Schedule 40 Black Steel Nipple	18.84	10.36
		For Schedule 80 Nipples, Add	*1.64*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0190	EA	1-1/2" x 2" Long, Schedule 40 Black Steel Nipple	19.44	10.36
		For Schedule 80 Nipples, Add	*1.94*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0191	EA	3/8" x 2-1/2" Long, Schedule 40 Black Steel Nipple	15.69	8.86
		For Schedule 80 Nipples, Add	*1.18*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0192	EA	1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	14.95	8.86
		For Schedule 80 Nipples, Add	*0.81*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0193	EA	3/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	15.24	8.86
		For Schedule 80 Nipples, Add	*0.96*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0194	EA	1" x 2-1/2" Long, Schedule 40 Black Steel Nipple	17.01	9.61
		For Schedule 80 Nipples, Add	*1.33*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0195	EA	1-1/4" x 2-1/2" Long, Schedule 40 Black Steel Nipple	19.04	10.36
		For Schedule 80 Nipples, Add	*1.74*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0196	EA	1-1/2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	19.90	10.36
		For Schedule 80 Nipples, Add	*2.17*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0197	EA	2" x 2-1/2" Long, Schedule 40 Black Steel Nipple	25.70	13.35
		For Schedule 80 Nipples, Add	*2.81*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0198	EA	3/8" x 3" Long, Schedule 40 Black Steel Nipple	15.69	8.86
		For Schedule 80 Nipples, Add	*1.18*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0199	EA	1/2" x 3" Long, Schedule 40 Black Steel Nipple	14.95	8.86
		For Schedule 80 Nipples, Add	*0.81*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0200	EA	3/4" x 3" Long, Schedule 40 Black Steel Nipple	15.24	8.86
		For Schedule 80 Nipples, Add	*0.96*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0201	EA	1" x 3" Long, Schedule 40 Black Steel Nipple	17.01	9.61
		For Schedule 80 Nipples, Add	*1.33*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0202	EA	1-1/4" x 3" Long, Schedule 40 Black Steel Nipple	19.04	10.36
		For Schedule 80 Nipples, Add	*1.74*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0203	EA	1-1/2" x 3" Long, Schedule 40 Black Steel Nipple	19.90	10.36
		For Schedule 80 Nipples, Add	*2.17*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0204	EA	2" x 3" Long, Schedule 40 Black Steel Nipple	25.70	13.35
		For Schedule 80 Nipples, Add	*2.81*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0205	EA	2-1/2" x 3" Long, Schedule 40 Black Steel Nipple	40.63	16.62
		For Schedule 80 Nipples, Add	*7.87*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0206	EA	3" x 3" Long, Schedule 40 Black Steel Nipple	49.92	20.07
		For Schedule 80 Nipples, Add	*9.91*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0207	EA	3/8" x 3-1/2" Long, Schedule 40 Black Steel Nipple	16.12	8.86
		For Schedule 80 Nipples, Add	*1.40*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0208	EA	1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	15.27	8.86
		For Schedule 80 Nipples, Add	*0.97*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0209	EA	3/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	15.69	8.86
		For Schedule 80 Nipples, Add	*1.18*	
		For Work In Restricted Working Space, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0210	EA	1" x 3-1/2" Long, Schedule 40 Black Steel Nipple	17.64	9.61
		For Schedule 80 Nipples, Add	*1.64*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0211	EA	1-1/4" x 3-1/2" Long, Schedule 40 Black Steel Nipple	19.68	10.36
		For Schedule 80 Nipples, Add	*2.06*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0212	EA	1-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	20.42	10.36
		For Schedule 80 Nipples, Add	*2.43*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0213	EA	2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	26.89	13.35
		For Schedule 80 Nipples, Add	*3.41*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0214	EA	2-1/2" x 3-1/2" Long, Schedule 40 Black Steel Nipple	43.40	16.62
		For Schedule 80 Nipples, Add	*9.26*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0215	EA	3" x 3-1/2" Long, Schedule 40 Black Steel Nipple	53.57	20.07
		For Schedule 80 Nipples, Add	*11.73*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0216	EA	3/8" x 4" Long, Schedule 40 Black Steel Nipple	16.12	8.86
		For Schedule 80 Nipples, Add	*1.40*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0217	EA	1/2" x 4" Long, Schedule 40 Black Steel Nipple	15.27	8.86
		For Schedule 80 Nipples, Add	*0.97*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0218	EA	3/4" x 4" Long, Schedule 40 Black Steel Nipple	15.69	8.86
		For Schedule 80 Nipples, Add	*1.18*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0219	EA	1" x 4" Long, Schedule 40 Black Steel Nipple	17.64	9.61
		For Schedule 80 Nipples, Add	*1.64*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0220	EA	1-1/4" x 4" Long, Schedule 40 Black Steel Nipple	19.68	10.36
		For Schedule 80 Nipples, Add	*2.06*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0221	EA	1-1/2" x 4" Long, Schedule 40 Black Steel Nipple	20.42	10.36
		For Schedule 80 Nipples, Add	*2.43*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0222	EA	2" x 4" Long, Schedule 40 Black Steel Nipple	26.89	13.35
		For Schedule 80 Nipples, Add	*3.41*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0223	EA	2-1/2" x 4" Long, Schedule 40 Black Steel Nipple	43.40	16.62
		For Schedule 80 Nipples, Add	*9.26*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0224	EA	3" x 4" Long, Schedule 40 Black Steel Nipple	53.57	20.07
		For Schedule 80 Nipples, Add	*11.73*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0225	EA	4" x 4" Long, Schedule 40 Black Steel Nipple	67.84	24.08
		For Schedule 80 Nipples, Add	*15.88*	
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-0226	EA	3/8" x 4-1/2" Long, Schedule 40 Black Steel Nipple	17.35	8.86
		For Schedule 80 Nipples, Add	*2.01*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0227	EA	1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	15.61	8.86
		For Schedule 80 Nipples, Add	*1.14*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0228	EA	3/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	16.30	8.86
		For Schedule 80 Nipples, Add	*1.49*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0229	EA	1" x 4-1/2" Long, Schedule 40 Black Steel Nipple	18.24	9.61
		For Schedule 80 Nipples, Add	*1.94*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0230	EA	1-1/4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	20.49	10.36
		For Schedule 80 Nipples, Add	*2.47*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0231	EA	1-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	21.50	10.36
		For Schedule 80 Nipples, Add	*2.97*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0232	EA	2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	27.92	13.35
		For Schedule 80 Nipples, Add	*3.92*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0233	EA	2-1/2" x 4-1/2" Long, Schedule 40 Black Steel Nipple	45.22	16.62
		For Schedule 80 Nipples, Add	*10.17*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0234	EA	3" x 4-1/2" Long, Schedule 40 Black Steel Nipple	55.98	20.07
		For Schedule 80 Nipples, Add	*12.94*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0235	EA	4" x 4-1/2" Long, Schedule 40 Black Steel Nipple	72.36	24.08
		For Schedule 80 Nipples, Add	*18.14*	
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-0236	EA	3/8" x 5" Long, Schedule 40 Black Steel Nipple	17.35	8.86
		For Schedule 80 Nipples, Add	*2.01*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0237	EA	1/2" x 5" Long, Schedule 40 Black Steel Nipple	15.61	8.86
		For Schedule 80 Nipples, Add	*1.14*	
		For Work In Restricted Working Space, Add	*4.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0238	EA	3/4" x 5" Long, Schedule 40 Black Steel Nipple	16.30	8.86
		For Schedule 80 Nipples, Add	*1.49*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0239	EA	1" x 5" Long, Schedule 40 Black Steel Nipple	18.24	9.61
		For Schedule 80 Nipples, Add	*1.94*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0240	EA	1-1/4" x 5" Long, Schedule 40 Black Steel Nipple	20.49	10.36
		For Schedule 80 Nipples, Add	*2.47*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0241	EA	1-1/2" x 5" Long, Schedule 40 Black Steel Nipple	21.50	10.36
		For Schedule 80 Nipples, Add	*2.97*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0242	EA	2" x 5" Long, Schedule 40 Black Steel Nipple	27.92	13.35
		For Schedule 80 Nipples, Add	*3.92*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0243	EA	2-1/2" x 5" Long, Schedule 40 Black Steel Nipple	45.22	16.62
		For Schedule 80 Nipples, Add	*10.17*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0244	EA	3" x 5" Long, Schedule 40 Black Steel Nipple	55.98	20.07
		For Schedule 80 Nipples, Add	*12.94*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0245	EA	4" x 5" Long, Schedule 40 Black Steel Nipple	72.36	24.08
		For Schedule 80 Nipples, Add	*18.14*	
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-0246	EA	3/8" x 6" Long, Schedule 40 Black Steel Nipple	17.80	8.86
		For Schedule 80 Nipples, Add	*2.24*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0247	EA	1/2" x 6" Long, Schedule 40 Black Steel Nipple	15.88	8.86
		For Schedule 80 Nipples, Add	*1.28*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0248	EA	3/4" x 6" Long, Schedule 40 Black Steel Nipple	16.71	8.86
		For Schedule 80 Nipples, Add	*1.69*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0249	EA	1" x 6" Long, Schedule 40 Black Steel Nipple	18.95	9.61
		For Schedule 80 Nipples, Add	*2.30*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0250	EA	1-1/4" x 6" Long, Schedule 40 Black Steel Nipple	21.40	10.36
		For Schedule 80 Nipples, Add	*2.92*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0251	EA	1-1/2" x 6" Long, Schedule 40 Black Steel Nipple	22.38	10.36
		For Schedule 80 Nipples, Add	*3.41*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0252	EA	2" x 6" Long, Schedule 40 Black Steel Nipple	29.27	13.35
		For Schedule 80 Nipples, Add	*4.60*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0253	EA	2-1/2" x 6" Long, Schedule 40 Black Steel Nipple	46.08	16.62
		For Schedule 80 Nipples, Add	*10.60*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0254	EA	3" x 6" Long, Schedule 40 Black Steel Nipple	58.23	20.07
		For Schedule 80 Nipples, Add	*14.06*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0255	EA	4" x 6" Long, Schedule 40 Black Steel Nipple	74.86	24.08
		For Schedule 80 Nipples, Add	*19.39*	
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-0256	EA	3/8" x 8" Long, Schedule 40 Black Steel Nipple	21.18	8.86
		For Schedule 80 Nipples, Add	*3.93*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0257	EA	1/2" x 8" Long, Schedule 40 Black Steel Nipple	17.92	8.86
		For Schedule 80 Nipples, Add	*2.30*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0258	EA	3/4" x 8" Long, Schedule 40 Black Steel Nipple	18.95	8.86
		For Schedule 80 Nipples, Add	*2.81*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0259	EA	1" x 8" Long, Schedule 40 Black Steel Nipple	21.87	9.61
		For Schedule 80 Nipples, Add	*3.76*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0260	EA	1-1/4" x 8" Long, Schedule 40 Black Steel Nipple	25.00	10.36
		For Schedule 80 Nipples, Add	*4.72*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0261	EA	1-1/2" x 8" Long, Schedule 40 Black Steel Nipple	26.38	10.36
		For Schedule 80 Nipples, Add	*5.41*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0262	EA	2" x 8" Long, Schedule 40 Black Steel Nipple	35.48	13.35
		For Schedule 80 Nipples, Add	*7.70*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0263	EA	2-1/2" x 8" Long, Schedule 40 Black Steel Nipple	51.86	16.62
		For Schedule 80 Nipples, Add	*13.49*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0264	EA	3" x 8" Long, Schedule 40 Black Steel Nipple	68.04	20.07
		For Schedule 80 Nipples, Add	*18.97*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0265	EA	4" x 8" Long, Schedule 40 Black Steel Nipple	80.84	24.08
		For Schedule 80 Nipples, Add	*22.38*	
		For Work In Restricted Working Space, Add	*10.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0266	EA	3/8" x 10" Long, Schedule 40 Black Steel Nipple	22.14	8.86
		For Schedule 80 Nipples, Add	*4.41*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0267	EA	1/2" x 10" Long, Schedule 40 Black Steel Nipple	18.85	8.86
		For Schedule 80 Nipples, Add	*2.76*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0268	EA	3/4" x 10" Long, Schedule 40 Black Steel Nipple	19.87	8.86
		For Schedule 80 Nipples, Add	*3.27*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0269	EA	1" x 10" Long, Schedule 40 Black Steel Nipple	23.14	9.61
		For Schedule 80 Nipples, Add	*4.39*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0270	EA	1-1/4" x 10" Long, Schedule 40 Black Steel Nipple	26.87	10.36
		For Schedule 80 Nipples, Add	*5.66*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0271	EA	1-1/2" x 10" Long, Schedule 40 Black Steel Nipple	28.22	10.36
		For Schedule 80 Nipples, Add	*6.33*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0272	EA	2" x 10" Long, Schedule 40 Black Steel Nipple	38.18	13.35
		For Schedule 80 Nipples, Add	*9.05*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0273	EA	2-1/2" x 10" Long, Schedule 40 Black Steel Nipple	55.18	16.62
		For Schedule 80 Nipples, Add	*15.15*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0274	EA	3" x 10" Long, Schedule 40 Black Steel Nipple	72.71	20.07
		For Schedule 80 Nipples, Add	*21.30*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0275	EA	4" x 10" Long, Schedule 40 Black Steel Nipple	87.05	24.08
		For Schedule 80 Nipples, Add	*25.48*	
		For Work In Restricted Working Space, Add	*10.83*	
23 21 13 23-0276	EA	3/8" x 12" Long, Schedule 40 Black Steel Nipple	23.36	8.86
		For Schedule 80 Nipples, Add	*5.02*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0277	EA	1/2" x 12" Long, Schedule 40 Black Steel Nipple	19.88	8.86
		For Schedule 80 Nipples, Add	*3.28*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0278	EA	3/4" x 12" Long, Schedule 40 Black Steel Nipple	20.59	8.86
		For Schedule 80 Nipples, Add	*3.63*	
		For Work In Restricted Working Space, Add	*4.00*	
23 21 13 23-0279	EA	1" x 12" Long, Schedule 40 Black Steel Nipple	24.44	9.61
		For Schedule 80 Nipples, Add	*5.04*	
		For Work In Restricted Working Space, Add	*4.31*	
23 21 13 23-0280	EA	1-1/4" x 12" Long, Schedule 40 Black Steel Nipple	28.39	10.36
		For Schedule 80 Nipples, Add	*6.42*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0281	EA	1-1/2" x 12" Long, Schedule 40 Black Steel Nipple	30.15	10.36
		For Schedule 80 Nipples, Add	*7.30*	
		For Work In Restricted Working Space, Add	*4.67*	
23 21 13 23-0282	EA	2" x 12" Long, Schedule 40 Black Steel Nipple	40.92	13.35
		For Schedule 80 Nipples, Add	*10.42*	
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-0283	EA	2-1/2" x 12" Long, Schedule 40 Black Steel Nipple	58.60	16.62
		For Schedule 80 Nipples, Add	*16.86*	
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-0284	EA	3" x 12" Long, Schedule 40 Black Steel Nipple	77.39	20.07
		For Schedule 80 Nipples, Add	*23.64*	
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-0285	EA	4" x 12" Long, Schedule 40 Black Steel Nipple	95.83	24.08
		For Schedule 80 Nipples, Add	*29.87*	
		For Work In Restricted Working Space, Add	*10.83*	

23 21 13 23-0286 Black Malleable Iron Bushing *(23 21 13 23-0014)*

23 21 13 23-0287	EA	1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	28.29	15.22
		For Work In Restricted Working Space, Add	*6.84*	
23 21 13 23-0288	EA	3/4" x 3/8", 150 LB, Black Malleable Iron Bushing	32.41	16.34
		For Work In Restricted Working Space, Add	*7.35*	
23 21 13 23-0289	EA	3/4" x 1/2", 150 LB, Black Malleable Iron Bushing	34.28	17.55
		For Work In Restricted Working Space, Add	*7.91*	
23 21 13 23-0290	EA	1" x 3/8", 150 LB, Black Malleable Iron Bushing	37.03	17.46
		For Work In Restricted Working Space, Add	*7.84*	
23 21 13 23-0291	EA	1" x 1/2", 150 LB, Black Malleable Iron Bushing	36.14	18.67
		For Work In Restricted Working Space, Add	*8.40*	
23 21 13 23-0292	EA	1" x 3/4", 150 LB, Black Malleable Iron Bushing	37.63	19.69
		For Work In Restricted Working Space, Add	*8.85*	
23 21 13 23-0293	EA	1-1/4" x 3/8", 150 LB, Black Malleable Iron Bushing	40.40	18.76
		For Work In Restricted Working Space, Add	*8.46*	
23 21 13 23-0294	EA	1-1/4" x 1/2", 150 LB, Black Malleable Iron Bushing	41.72	20.07
		For Work In Restricted Working Space, Add	*9.02*	
23 21 13 23-0295	EA	1-1/4" x 3/4", 150 LB, Black Malleable Iron Bushing	42.04	21.01
		For Work In Restricted Working Space, Add	*9.46*	
23 21 13 23-0296	EA	1-1/4" x 1", 150 LB, Black Malleable Iron Bushing	43.67	22.12
		For Work In Restricted Working Space, Add	*9.95*	
23 21 13 23-0297	EA	1-1/2" x 3/8", 150 LB, Black Malleable Iron Bushing	46.55	20.35
		For Work In Restricted Working Space, Add	*9.13*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0298	EA	1-1/2" x 1/2", 150 LB, Black Malleable Iron Bushing	45.58	21.56
		For Work In Restricted Working Space, Add	*9.69*	
23 21 13 23-0299	EA	1-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	47.07	22.50
		For Work In Restricted Working Space, Add	*10.14*	
23 21 13 23-0300	EA	1-1/2" x 1", 150 LB, Black Malleable Iron Bushing	47.09	23.62
		For Work In Restricted Working Space, Add	*10.63*	
23 21 13 23-0301	EA	1-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	50.78	25.02
		For Work In Restricted Working Space, Add	*11.24*	
23 21 13 23-0302	EA	2" x 3/8", 150 LB, Black Malleable Iron Bushing	58.57	23.90
		For Work In Restricted Working Space, Add	*10.74*	
23 21 13 23-0303	EA	2" x 1/2", 150 LB, Black Malleable Iron Bushing	57.74	25.11
		For Work In Restricted Working Space, Add	*11.30*	
23 21 13 23-0304	EA	2" x 3/4", 150 LB, Black Malleable Iron Bushing	56.13	26.14
		For Work In Restricted Working Space, Add	*11.75*	
23 21 13 23-0305	EA	2" x 1", 150 LB, Black Malleable Iron Bushing	56.68	27.16
		For Work In Restricted Working Space, Add	*12.23*	
23 21 13 23-0306	EA	2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	58.74	28.56
		For Work In Restricted Working Space, Add	*12.85*	
23 21 13 23-0307	EA	2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	62.78	30.05
		For Work In Restricted Working Space, Add	*13.53*	
23 21 13 23-0308	EA	2-1/2" x 3/4", 150 LB, Black Malleable Iron Bushing	80.16	34.17
		For Work In Restricted Working Space, Add	*15.38*	
23 21 13 23-0309	EA	2-1/2" x 1", 150 LB, Black Malleable Iron Bushing	81.78	35.29
		For Work In Restricted Working Space, Add	*15.87*	
23 21 13 23-0310	EA	2-1/2" x 1-1/4", 150 LB, Black Malleable Iron Bushing	83.84	36.59
		For Work In Restricted Working Space, Add	*16.49*	
23 21 13 23-0311	EA	2-1/2" x 1-1/2", 150 LB, Black Malleable Iron Bushing	84.11	38.18
		For Work In Restricted Working Space, Add	*17.16*	
23 21 13 23-0312	EA	2-1/2" x 2", 150 LB, Black Malleable Iron Bushing	89.26	41.72
		For Work In Restricted Working Space, Add	*18.77*	
23 21 13 23-0313	EA	3" x 3/4", 150 LB, Black Malleable Iron Bushing	103.01	42.00
		For Work In Restricted Working Space, Add	*18.92*	
23 21 13 23-0314	EA	3" x 1", 150 LB, Black Malleable Iron Bushing	104.63	43.12
		For Work In Restricted Working Space, Add	*19.40*	
23 21 13 23-0315	EA	3" x 1-1/4", 150 LB, Black Malleable Iron Bushing	106.69	44.52
		For Work In Restricted Working Space, Add	*20.02*	
23 21 13 23-0316	EA	3" x 1-1/2", 150 LB, Black Malleable Iron Bushing	108.17	46.01
		For Work In Restricted Working Space, Add	*20.70*	
23 21 13 23-0317	EA	3" x 2", 150 LB, Black Malleable Iron Bushing	110.96	49.56
		For Work In Restricted Working Space, Add	*22.31*	
23 21 13 23-0318	EA	3" x 2-1/2", 150 LB, Black Malleable Iron Bushing	123.62	57.68
		For Work In Restricted Working Space, Add	*25.94*	
23 21 13 23-0319	EA	4" x 3/4", 150 LB, Black Malleable Iron Bushing	142.74	44.03
		For Work In Restricted Working Space, Add	*19.83*	
23 21 13 23-0320	EA	4" x 1", 150 LB, Black Malleable Iron Bushing	144.30	45.11
		For Work In Restricted Working Space, Add	*20.30*	
23 21 13 23-0321	EA	4" x 1-1/4", 150 LB, Black Malleable Iron Bushing	146.29	46.46
		For Work In Restricted Working Space, Add	*20.90*	
23 21 13 23-0322	EA	4" x 1-1/2", 150 LB, Black Malleable Iron Bushing	148.46	47.91
		For Work In Restricted Working Space, Add	*21.55*	
23 21 13 23-0323	EA	4" x 2", 150 LB, Black Malleable Iron Bushing	149.53	51.33
		For Work In Restricted Working Space, Add	*23.10*	
23 21 13 23-0324	EA	4" x 2-1/2", 150 LB, Black Malleable Iron Bushing	161.23	59.18
		For Work In Restricted Working Space, Add	*26.61*	
23 21 13 23-0325	EA	4" x 3", 150 LB, Black Malleable Iron Bushing	172.63	66.76
		For Work In Restricted Working Space, Add	*30.03*	

23 21 13 23-0326 Black Malleable Iron Square Head Plugs *(23 21 13 23-0014)*

23 21 13 23-0327	EA	3/8", 150 LB, Black Malleable Iron Square Head Plug	12.48	5.51
		For Work In Restricted Working Space, Add	*2.49*	
23 21 13 23-0328	EA	1/2", 150 LB, Black Malleable Iron Square Head Plug	14.42	6.63
		For Work In Restricted Working Space, Add	*2.99*	
23 21 13 23-0329	EA	3/4", 150 LB, Black Malleable Iron Square Head Plug	15.60	7.46
		For Work In Restricted Working Space, Add	*3.34*	
23 21 13 23-0330	EA	1", 150 LB, Black Malleable Iron Square Head Plug	18.05	8.31
		For Work In Restricted Working Space, Add	*3.73*	
23 21 13 23-0331	EA	1-1/4", 150 LB, Black Malleable Iron Square Head Plug	21.16	9.43
		For Work In Restricted Working Space, Add	*4.23*	
23 21 13 23-0332	EA	1-1/2", 150 LB, Black Malleable Iron Square Head Plug	25.74	10.55
		For Work In Restricted Working Space, Add	*4.76*	
23 21 13 23-0333	EA	2", 150 LB, Black Malleable Iron Square Head Plug	34.20	13.44
		For Work In Restricted Working Space, Add	*6.05*	
23 21 13 23-0334	EA	2-1/2", 150 LB, Black Malleable Iron Square Head Plug	55.38	19.89
		For Work In Restricted Working Space, Add	*8.96*	
23 21 13 23-0335	EA	3", 150 LB, Black Malleable Iron Square Head Plug	74.33	26.23
		For Work In Restricted Working Space, Add	*11.79*	
23 21 13 23-0336	EA	4", 150 LB, Black Malleable Iron Square Head Plug	115.57	28.06
		For Work In Restricted Working Space, Add	*12.63*	
23 21 13 23-0337	EA	5", 150 LB, Black Malleable Iron Square Head Plug	201.74	29.32
		For Work In Restricted Working Space, Add	*13.18*	
23 21 13 23-0338	EA	6", 150 LB, Black Malleable Iron Square Head Plug	241.39	30.58
		For Work In Restricted Working Space, Add	*13.78*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0339		**125 LB Black Cast Iron Screwed Flanges** *(23 21 13 23-0014)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0340	EA	3/4", 125 LB, Black Cast Iron Flange	136.00	37.33
		For Work In Restricted Working Space, Add	*16.80*	
23 21 13 23-0341	EA	1", 125 LB, Black Cast Iron Flange	114.15	42.19
		For Work In Restricted Working Space, Add	*18.98*	
23 21 13 23-0342	EA	1-1/4", 125 LB, Black Cast Iron Flange	126.36	43.69
		For Work In Restricted Working Space, Add	*19.65*	
23 21 13 23-0343	EA	1-1/2", 125 LB, Black Cast Iron Flange	127.50	47.51
		For Work In Restricted Working Space, Add	*21.38*	
23 21 13 23-0344	EA	2", 125 LB, Black Cast Iron Flange	130.49	49.56
		For Work In Restricted Working Space, Add	*22.31*	
23 21 13 23-0345	EA	2-1/2", 125 LB, Black Cast Iron Flange	151.67	57.40
		For Work In Restricted Working Space, Add	*25.80*	
23 21 13 23-0346	EA	3", 125 LB, Black Cast Iron Flange	193.76	72.81
		For Work In Restricted Working Space, Add	*32.75*	
23 21 13 23-0347	EA	4", 125 LB, Black Cast Iron Flange	258.34	96.26
		For Work In Restricted Working Space, Add	*43.30*	
23 21 13 23-0348	EA	5", 125 LB, Black Cast Iron Flange	332.87	114.67
		For Work In Restricted Working Space, Add	*51.55*	
23 21 13 23-0349	EA	6", 125 LB, Black Cast Iron Flange	379.55	131.63
		For Work In Restricted Working Space, Add	*59.21*	
23 21 13 23-0350		**150 LB, Black Malleable Iron Flanges** *(23 21 13 23-0014)*		
		Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.		
23 21 13 23-0351	EA	1/2", 150 LB, Black Malleable Iron Flange	68.83	34.06
		For Work In Restricted Working Space, Add	*15.34*	
23 21 13 23-0352	EA	3/4", 150 LB, Black Malleable Iron Flange	75.07	37.33
		For Work In Restricted Working Space, Add	*16.80*	
23 21 13 23-0353	EA	1", 150 LB, Black Malleable Iron Flange	88.04	42.19
		For Work In Restricted Working Space, Add	*18.98*	
23 21 13 23-0354	EA	1-1/4", 150 LB, Black Malleable Iron Flange	91.97	43.69
		For Work In Restricted Working Space, Add	*19.65*	
23 21 13 23-0355	EA	1-1/2", 150 LB, Black Malleable Iron Flange	100.15	47.51
		For Work In Restricted Working Space, Add	*21.38*	
23 21 13 23-0356	EA	2", 150 LB, Black Malleable Iron Flange	112.04	49.56
		For Work In Restricted Working Space, Add	*22.31*	
23 21 13 23-0357	EA	2-1/2", 150 LB, Black Malleable Iron Flange	145.10	57.40
		For Work In Restricted Working Space, Add	*25.80*	
23 21 13 23-0358	EA	3", 150 LB, Black Malleable Iron Flange	183.82	72.81
		For Work In Restricted Working Space, Add	*32.74*	
23 21 13 23-0359	EA	4", 150 LB, Black Malleable Iron Flange	271.17	96.26
		For Work In Restricted Working Space, Add	*43.29*	
23 21 13 23-0360		**Cut And Thread Existing In-Place Black Steel Pipe** *(23 21 13 23-0014)*		
		Note: For use when connecting pipe to an existing in-place system.		
23 21 13 23-0361	EA	1/2", Cut And Thread Existing In Place Black Steel Pipe	30.41	
		For Work In Restricted Working Space, Add	*9.12*	
23 21 13 23-0362	EA	3/4", Cut And Thread Existing In Place Black Steel Pipe	33.44	
		For Work In Restricted Working Space, Add	*10.03*	
23 21 13 23-0363	EA	1", Cut And Thread Existing In Place Black Steel Pipe	36.49	
		For Work In Restricted Working Space, Add	*10.95*	
23 21 13 23-0364	EA	1-1/4", Cut And Thread Existing In Place Black Steel Pipe	39.53	
		For Work In Restricted Working Space, Add	*11.86*	
23 21 13 23-0365	EA	1-1/2", Cut And Thread Existing In Place Black Steel Pipe	41.55	
		For Work In Restricted Working Space, Add	*12.47*	
23 21 13 23-0366	EA	2", Cut And Thread Existing In Place Black Steel Pipe	43.58	
		For Work In Restricted Working Space, Add	*13.07*	
23 21 13 23-0367	EA	2-1/2", Cut And Thread Existing In Place Black Steel Pipe	45.61	
		For Work In Restricted Working Space, Add	*13.68*	
23 21 13 23-0368	EA	3", Cut And Thread Existing In Place Black Steel Pipe	47.63	
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-0369	EA	4", Cut And Thread Existing In Place Black Steel Pipe	49.66	
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-0370	EA	6", Cut And Thread Existing In Place Black Steel Pipe	53.71	
		For Work In Restricted Working Space, Add	*16.11*	
23 21 13 23-0371	EA	8", Cut And Thread Existing In Place Black Steel Pipe	57.76	
		For Work In Restricted Working Space, Add	*17.33*	
23 21 13 23-0372	EA	10", Cut And Thread Existing In Place Black Steel Pipe	62.83	
		For Work In Restricted Working Space, Add	*18.85*	
23 21 13 23-0373	EA	12", Cut And Thread Existing In Place Black Steel Pipe	66.88	
		For Work In Restricted Working Space, Add	*20.06*	

23 21 13 23-0374 **Welded Black Steel Pipe** *(23 21 13 23)*

23 21 13 23-0375 **Welded Plain End Black Steel Pipe Assemblies** *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0376	LF	3/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	22.33	7.10
		For Work In Restricted Working Space, Add	*5.19*	
23 21 13 23-0377	LF	1" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	24.71	7.57
		For Work In Restricted Working Space, Add	*5.81*	
23 21 13 23-0378	LF	1-1/4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	29.50	8.05
		For Work In Restricted Working Space, Add	*6.67*	
23 21 13 23-0379	LF	1-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	31.29	8.05
		For Work In Restricted Working Space, Add	*6.98*	
23 21 13 23-0380	LF	2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	35.68	8.05
		For Work In Restricted Working Space, Add	*8.07*	
23 21 13 23-0381	LF	2-1/2" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	41.34	8.05
		For Work In Restricted Working Space, Add	*9.36*	
23 21 13 23-0382	LF	3" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	47.35	7.86
		For Work In Restricted Working Space, Add	*9.88*	
23 21 13 23-0383	LF	4" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	62.19	9.90
		For Work In Restricted Working Space, Add	*12.29*	
23 21 13 23-0384	LF	6" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	82.91	14.75
		For Work In Restricted Working Space, Add	*14.15*	
23 21 13 23-0385	LF	8" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	126.17	18.33
		For Work In Restricted Working Space, Add	*20.99*	
23 21 13 23-0386	LF	10" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	168.03	22.91
		For Work In Restricted Working Space, Add	*25.02*	
23 21 13 23-0387	LF	12" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	210.53	27.68
		For Work In Restricted Working Space, Add	*28.91*	
23 21 13 23-0388	LF	14" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	239.23	36.11
		For Work In Restricted Working Space, Add	*32.26*	
23 21 13 23-0389	LF	16" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	280.13	45.83
		For Work In Restricted Working Space, Add	*36.05*	
23 21 13 23-0390	LF	18" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	353.55	56.74
		For Work In Restricted Working Space, Add	*39.56*	
23 21 13 23-0391	LF	20" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	458.45	70.11
		For Work In Restricted Working Space, Add	*45.28*	
23 21 13 23-0392	LF	24" Schedule 40 Welded Plain End Black Steel Pipe And Fitting Assembly Note: Includes all hangers and all fittings (couplings, elbows, tees and reducer fittings). All hangers are complete assemblies. Not for use where detail is available.	565.03	79.46
		For Work In Restricted Working Space, Add	*49.78*	

23 21 13 23-0393 Welded Black Steel Pipe And Fittings *(23 21 13 23-0374)*

Note: ASTM A-53 pipe and A-234 WPB fittings. Excludes hangers or fittings.

23 21 13 23-0394 Welded Plain End Black Steel Piping *(23 21 13 23-0393)*

Note: ASTM A-53

23 21 13 23-0395	LF	3/4" Schedule 40, Welded Plain End Black Steel Pipe	9.11	3.78
		For Schedule 80 Pipe, Add	*1.44*	
		For Schedule A-106 Pipe, Add	*0.18*	
		For Work In Restricted Working Space, Add	*2.27*	
23 21 13 23-0396	LF	1" Schedule 40, Welded Plain End Black Steel Pipe	11.52	4.74
		For Schedule 80 Pipe, Add	*1.83*	
		For Schedule A-106 Pipe, Add	*0.25*	
		For Work In Restricted Working Space, Add	*2.84*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0397	LF	1-1/4" Schedule 40, Welded Plain End Black Steel Pipe	14.37	5.68
		For Schedule 80 Pipe, Add	*2.31*	
		For Schedule A-106 Pipe, Add	*0.36*	
		For Work In Restricted Working Space, Add	*3.41*	
23 21 13 23-0398	LF	1-1/2" Schedule 40, Welded Plain End Black Steel Pipe	17.26	6.63
		For Schedule 80 Pipe, Add	*2.79*	
		For Schedule A-106 Pipe, Add	*0.48*	
		For Work In Restricted Working Space, Add	*3.98*	
23 21 13 23-0399	LF	2" Schedule 40, Welded Plain End Black Steel Pipe	20.50	7.86
		For Schedule 80 Pipe, Add	*3.31*	
		For Schedule A-106 Pipe, Add	*0.57*	
		For Work In Restricted Working Space, Add	*4.71*	
23 21 13 23-0400	LF	2-1/2" Schedule 40, Welded Plain End Black Steel Pipe	23.38	8.90
		For Schedule 80 Pipe, Add	*5.07*	
		For Schedule A-106 Pipe, Add	*0.67*	
		For Work In Restricted Working Space, Add	*5.34*	
23 21 13 23-0401	LF	3" Schedule 40, Welded Plain End Black Steel Pipe	27.99	9.56
		For Schedule 80 Pipe, Add	*6.45*	
		For Schedule A-106 Pipe, Add	*1.06*	
		For Work In Restricted Working Space, Add	*5.74*	
23 21 13 23-0402	LF	4" Schedule 40, Welded Plain End Black Steel Pipe	37.87	11.83
		For Schedule 80 Pipe, Add	*9.11*	
		For Schedule A-106 Pipe, Add	*1.70*	
		For Work In Restricted Working Space, Add	*7.10*	
23 21 13 23-0403	LF	6" Schedule 40, Welded Plain End Black Steel Pipe	53.14	19.17
		For Schedule 80 Pipe, Add	*13.46*	
		For Schedule A-106 Pipe, Add	*2.86*	
		For Work In Restricted Working Space, Add	*8.80*	
23 21 13 23-0404	LF	8" Schedule 40, Welded Plain End Black Steel Pipe	75.30	19.70
		For Schedule 80 Pipe, Add	*19.46*	
		For Schedule A-106 Pipe, Add	*4.31*	
		For Schedule 30 Pipe, Deduct	*-11.12*	
		For Work In Restricted Working Space, Add	*11.82*	
23 21 13 23-0405	LF	10" Schedule 40, Welded Plain End Black Steel Pipe	98.28	23.74
		For Schedule 80 Pipe, Add	*26.09*	
		For Schedule A-106 Pipe, Add	*6.10*	
		For Schedule 30 Pipe, Deduct	*-14.91*	
		For Work In Restricted Working Space, Add	*14.24*	
23 21 13 23-0406	LF	12" Schedule 40, Welded Plain End Black Steel Pipe	124.56	28.69
		For Schedule 80 Pipe, Add	*33.55*	
		For Schedule A-106 Pipe, Add	*8.06*	
		For Schedule 30 Pipe, Deduct	*-19.17*	
		For Work In Restricted Working Space, Add	*17.21*	
23 21 13 23-0407	LF	14" Schedule 40, Welded Plain End Black Steel Pipe	121.75	30.25
		For Schedule 80 Pipe, Add	*32.03*	
		For Schedule A-106 Pipe, Add	*7.35*	
		For Schedule 30 Pipe, Deduct	*-18.30*	
		For Schedule 20 Pipe, Deduct	*-33.54*	
		For Work In Restricted Working Space, Add	*18.15*	
23 21 13 23-0408	LF	16" Schedule 40, Welded Plain End Black Steel Pipe	133.55	32.54
		For Schedule 80 Pipe, Add	*35.35*	
		For Schedule A-106 Pipe, Add	*8.22*	
		For Schedule 30 Pipe, Deduct	*-20.20*	
		For Schedule 20 Pipe, Deduct	*-36.98*	
		For Work In Restricted Working Space, Add	*19.52*	
23 21 13 23-0409	LF	18" Schedule 40, Welded Plain End Black Steel Pipe	165.29	35.20
		For Schedule 80 Pipe, Add	*45.53*	
		For Schedule A-106 Pipe, Add	*11.39*	
		For Schedule 30 Pipe, Deduct	*-26.02*	
		For Schedule 20 Pipe, Deduct	*-47.29*	
		For Work In Restricted Working Space, Add	*21.12*	
23 21 13 23-0410	LF	20" Schedule 40, Welded Plain End Black Steel Pipe	195.74	42.16
		For Schedule 80 Pipe, Add	*53.75*	
		For Schedule A-106 Pipe, Add	*13.37*	
		For Work In Restricted Working Space, Add	*25.29*	
23 21 13 23-0411	LF	24" Schedule 40, Welded Plain End Black Steel Pipe	240.91	48.49
		For Schedule 80 Pipe, Add	*67.35*	
		For Schedule A-106 Pipe, Add	*17.27*	
		For Work In Restricted Working Space, Add	*29.09*	

23 21 13 23-0412 Welded Plain End Black Steel 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0413	EA	3/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	108.77	58.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.49*	
		For Work In Restricted Working Space, Add	*26.12*	
23 21 13 23-0414	EA	1" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	113.34	61.13
		For Schedule 80 Or Extra Heavy Fittings, Add	*24.38*	
		For Work In Restricted Working Space, Add	*27.49*	
23 21 13 23-0415	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	126.16	69.65
		For Schedule 80 Or Extra Heavy Fittings, Add	*26.88*	
		For Work In Restricted Working Space, Add	*31.34*	
23 21 13 23-0416	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	134.41	75.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*28.49*	
		For Work In Restricted Working Space, Add	*33.81*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0417	EA	2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	168.32	97.79
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.10*	
		For Work In Restricted Working Space, Add	*43.99*	
23 21 13 23-0418	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	212.21	122.26
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.42*	
		For Work In Restricted Working Space, Add	*54.98*	
23 21 13 23-0419	EA	3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	226.41	127.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.78*	
		For Work In Restricted Working Space, Add	*57.55*	
23 21 13 23-0420	EA	4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	388.76	221.15
		For Schedule 80 Or Extra Heavy Fittings, Add	*81.81*	
		For Work In Restricted Working Space, Add	*99.47*	
23 21 13 23-0421	EA	6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	687.83	364.94
		For Schedule 80 Or Extra Heavy Fittings, Add	*148.89*	
		For Work In Restricted Working Space, Add	*164.16*	
23 21 13 23-0422	EA	8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,005.66	496.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*223.51*	
		For Work In Restricted Working Space, Add	*223.40*	
23 21 13 23-0423	EA	10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,330.24	567.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*309.71*	
		For Work In Restricted Working Space, Add	*255.32*	
23 21 13 23-0424	EA	12" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,808.37	742.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*425.59*	
		For Work In Restricted Working Space, Add	*334.06*	
23 21 13 23-0425	EA	14" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,256.73	877.93
		For Schedule 80 Or Extra Heavy Fittings, Add	*538.81*	
		For Work In Restricted Working Space, Add	*394.88*	
23 21 13 23-0426	EA	16" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,824.29	1,025.21
		For Schedule 80 Or Extra Heavy Fittings, Add	*685.90*	
		For Work In Restricted Working Space, Add	*461.09*	
23 21 13 23-0427	EA	18" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	3,370.66	1,143.18
		For Schedule 80 Or Extra Heavy Fittings, Add	*831.24*	
		For Work In Restricted Working Space, Add	*514.16*	
23 21 13 23-0428	EA	20" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,356.90	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,105.29*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0429	EA	24" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	5,168.29	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,341.98*	
		For Work In Restricted Working Space, Add	*595.73*	

23 21 13 23-0430 Welded Plain End Black Steel Reducing 90 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0431	EA	4" x 3" 90 Standard Weight, Welded Plain End Black Steel Reducing 90 Degree Elbow	567.44	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*135.35*	
		For Work In Restricted Working Space, Add	*99.65*	
23 21 13 23-0432	EA	6" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,001.16	360.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*243.55*	
		For Work In Restricted Working Space, Add	*162.29*	
23 21 13 23-0433	EA	6" x 3" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,080.07	360.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*267.22*	
		For Work In Restricted Working Space, Add	*162.29*	
23 21 13 23-0434	EA	8" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,715.45	496.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*436.44*	
		For Work In Restricted Working Space, Add	*223.40*	
23 21 13 23-0435	EA	8" x 4" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	1,903.58	496.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*492.88*	
		For Work In Restricted Working Space, Add	*223.40*	
23 21 13 23-0436	EA	10" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,402.77	567.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*631.47*	
		For Work In Restricted Working Space, Add	*255.32*	
23 21 13 23-0437	EA	10" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	2,402.77	567.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*631.47*	
		For Work In Restricted Working Space, Add	*255.32*	
23 21 13 23-0438	EA	12" x 10" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,015.71	756.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,085.57*	
		For Work In Restricted Working Space, Add	*340.42*	
23 21 13 23-0439	EA	12" x 8" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,015.71	756.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,085.57*	
		For Work In Restricted Working Space, Add	*340.42*	
23 21 13 23-0440	EA	12" x 6" Standard Weight, Welded Plain End Black Steel 90 Degree Elbow	4,527.46	756.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,239.09*	
		For Work In Restricted Working Space, Add	*340.42*	

23 21 13 23-0441 Welded Plain End Black Steel 45 Degree Elbows *(23 21 13 23-0393)*

23 21 13 23-0442	EA	3/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	97.69	53.68
		For Schedule 80 Or Extra Heavy Fittings, Add	*20.86*	
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-0443	EA	1" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	100.54	55.57
		For Schedule 80 Or Extra Heavy Fittings, Add	*21.41*	
		For Work In Restricted Working Space, Add	*24.99*	
23 21 13 23-0444	EA	1-1/4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	112.85	63.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*23.81*	
		For Work In Restricted Working Space, Add	*28.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0445	EA	1-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	120.42	68.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*25.29*	
		For Work In Restricted Working Space, Add	*30.96*	
23 21 13 23-0446	EA	2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	150.71	88.99
		For Schedule 80 Or Extra Heavy Fittings, Add	*31.20*	
		For Work In Restricted Working Space, Add	*40.04*	
23 21 13 23-0447	EA	2-1/2" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	187.61	111.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.69*	
		For Work In Restricted Working Space, Add	*50.27*	
23 21 13 23-0448	EA	3" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	217.05	127.90
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.98*	
		For Work In Restricted Working Space, Add	*57.54*	
23 21 13 23-0449	EA	4" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	373.22	221.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*77.16*	
		For Work In Restricted Working Space, Add	*99.44*	
23 21 13 23-0450	EA	6" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	649.25	364.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*137.38*	
		For Work In Restricted Working Space, Add	*163.97*	
23 21 13 23-0451	EA	8" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	935.23	496.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*202.38*	
		For Work In Restricted Working Space, Add	*223.40*	
23 21 13 23-0452	EA	10" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,200.94	567.69
		For Schedule 80 Or Extra Heavy Fittings, Add	*270.92*	
		For Work In Restricted Working Space, Add	*255.32*	
23 21 13 23-0453	EA	12" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	1,618.79	741.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*368.93*	
		For Work In Restricted Working Space, Add	*333.44*	
23 21 13 23-0454	EA	14" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,004.68	879.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*463.01*	
		For Work In Restricted Working Space, Add	*395.40*	
23 21 13 23-0455	EA	16" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,475.34	1,024.11
		For Schedule 80 Or Extra Heavy Fittings, Add	*581.38*	
		For Work In Restricted Working Space, Add	*460.62*	
23 21 13 23-0456	EA	18" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	2,921.60	1,141.80
		For Schedule 80 Or Extra Heavy Fittings, Add	*696.73*	
		For Work In Restricted Working Space, Add	*513.56*	
23 21 13 23-0457	EA	20" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	3,699.76	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*908.15*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0458	EA	24" Standard Weight, Welded Plain End Black Steel 45 Degree Elbow	4,309.49	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,084.34*	
		For Work In Restricted Working Space, Add	*595.73*	

23 21 13 23-0459 Welded Plain End Black Steel Tee *(23 21 13 23-0393)*

23 21 13 23-0460	EA	3/4" Standard Weight, Welded Plain End Black Steel Tee	203.49	101.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.14*	
		For Work In Restricted Working Space, Add	*45.44*	
23 21 13 23-0461	EA	1" Standard Weight, Welded Plain End Black Steel Tee	203.45	101.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.14*	
		For Work In Restricted Working Space, Add	*45.43*	
23 21 13 23-0462	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Tee	231.16	112.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*51.66*	
		For Work In Restricted Working Space, Add	*50.54*	
23 21 13 23-0463	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Tee	252.05	126.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*55.73*	
		For Work In Restricted Working Space, Add	*56.80*	
23 21 13 23-0464	EA	2" Standard Weight, Welded Plain End Black Steel Tee	308.24	168.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*65.93*	
		For Work In Restricted Working Space, Add	*75.83*	
23 21 13 23-0465	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Tee	352.93	189.43
		For Schedule 80 Or Extra Heavy Fittings, Add	*76.06*	
		For Work In Restricted Working Space, Add	*85.21*	
23 21 13 23-0466	EA	3" Standard Weight, Welded Plain End Black Steel Tee	420.87	230.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*90.08*	
		For Work In Restricted Working Space, Add	*103.38*	
23 21 13 23-0467	EA	4" Standard Weight, Welded Plain End Black Steel Tee	604.37	332.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*128.99*	
		For Work In Restricted Working Space, Add	*149.48*	
23 21 13 23-0468	EA	6" Standard Weight, Welded Plain End Black Steel Tee	1,016.35	549.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*218.47*	
		For Work In Restricted Working Space, Add	*246.96*	
23 21 13 23-0469	EA	8" Standard Weight, Welded Plain End Black Steel Tee	1,492.36	756.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*328.56*	
		For Work In Restricted Working Space, Add	*340.42*	
23 21 13 23-0470	EA	10" Standard Weight, Welded Plain End Black Steel Tee	1,923.49	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*438.04*	
		For Work In Restricted Working Space, Add	*397.16*	
23 21 13 23-0471	EA	12" Standard Weight, Welded Plain End Black Steel Tee	2,614.10	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*605.51*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0472	EA	14" Standard Weight, Welded Plain End Black Steel Tee	3,452.06	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*827.11*	
		For Work In Restricted Working Space, Add	*595.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0473	EA	16" Standard Weight, Welded Plain End Black Steel Tee	4,155.59	1,589.42
		For Schedule 80 Or Extra Heavy Fittings, Add	*996.47*	
		For Work In Restricted Working Space, Add	*714.88*	
23 21 13 23-0474	EA	18" Standard Weight, Welded Plain End Black Steel Tee	5,543.28	1,766.03
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,384.97*	
		For Work In Restricted Working Space, Add	*794.32*	
23 21 13 23-0475	EA	20" Standard Weight, Welded Plain End Black Steel Tee	7,449.05	1,986.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,921.95*	
		For Work In Restricted Working Space, Add	*893.60*	
23 21 13 23-0476	EA	24" Standard Weight, Welded Plain End Black Steel Tee	8,660.47	2,139.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,261.32*	
		For Work In Restricted Working Space, Add	*962.35*	

23 21 13 23-0477 Welded Plain End Black Steel Reducing Tees *(23 21 13 23-0393)*

23 21 13 23-0478	EA	3/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	198.77	97.89
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.22*	
		For Work In Restricted Working Space, Add	*44.02*	
23 21 13 23-0479	EA	1" Standard Weight, Welded Plain End Black Steel Reducing Tee	203.45	101.01
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.14*	
		For Work In Restricted Working Space, Add	*45.43*	
23 21 13 23-0480	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Reducing Tee	227.83	112.37
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.66*	
		For Work In Restricted Working Space, Add	*50.54*	
23 21 13 23-0481	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	248.72	126.28
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.74*	
		For Work In Restricted Working Space, Add	*56.80*	
23 21 13 23-0482	EA	2" Standard Weight, Welded Plain End Black Steel Reducing Tee	315.70	168.61
		For Schedule 80 Or Extra Heavy Fittings, Add	*68.16*	
		For Work In Restricted Working Space, Add	*75.86*	
23 21 13 23-0483	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Reducing Tee	353.04	189.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*76.08*	
		For Work In Restricted Working Space, Add	*85.24*	
23 21 13 23-0484	EA	3" Standard Weight, Welded Plain End Black Steel Reducing Tee	421.22	230.05
		For Schedule 80 Or Extra Heavy Fittings, Add	*90.18*	
		For Work In Restricted Working Space, Add	*103.38*	
23 21 13 23-0485	EA	4" Standard Weight, Welded Plain End Black Steel Reducing Tee	604.86	332.38
		For Schedule 80 Or Extra Heavy Fittings, Add	*129.14*	
		For Work In Restricted Working Space, Add	*149.48*	
23 21 13 23-0486	EA	6" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,017.19	549.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*218.72*	
		For Work In Restricted Working Space, Add	*246.96*	
23 21 13 23-0487	EA	8" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,493.97	756.86
		For Schedule 80 Or Extra Heavy Fittings, Add	*329.04*	
		For Work In Restricted Working Space, Add	*340.42*	
23 21 13 23-0488	EA	10" Standard Weight, Welded Plain End Black Steel Reducing Tee	1,926.23	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*438.86*	
		For Work In Restricted Working Space, Add	*397.16*	
23 21 13 23-0489	EA	12" Standard Weight, Welded Plain End Black Steel Reducing Tee	2,618.24	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*606.75*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0490	EA	14" Standard Weight, Welded Plain End Black Steel Reducing Tee	3,458.73	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*829.11*	
		For Work In Restricted Working Space, Add	*595.73*	
23 21 13 23-0491	EA	16" Standard Weight, Welded Plain End Black Steel Reducing Tee	4,163.65	1,589.42
		For Schedule 80 Or Extra Heavy Fittings, Add	*998.89*	
		For Work In Restricted Working Space, Add	*714.88*	
23 21 13 23-0492	EA	18" Standard Weight, Welded Plain End Black Steel Reducing Tee	5,556.47	1,766.03
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,388.93*	
		For Work In Restricted Working Space, Add	*794.32*	
23 21 13 23-0493	EA	20" Standard Weight, Welded Plain End Black Steel Reducing Tee	7,577.19	1,986.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,960.40*	
		For Work In Restricted Working Space, Add	*893.60*	
23 21 13 23-0494	EA	24" Standard Weight, Welded Plain End Black Steel Reducing Tee	9,232.84	2,139.66
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,433.03*	
		For Work In Restricted Working Space, Add	*962.35*	

23 21 13 23-0495 Welded Plain End Black Steel Eccentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0496	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	160.99	61.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.61*	
		For Work In Restricted Working Space, Add	*27.69*	
23 21 13 23-0497	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	169.97	67.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*40.36*	
		For Work In Restricted Working Space, Add	*30.38*	
23 21 13 23-0498	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	167.60	65.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*39.89*	
		For Work In Restricted Working Space, Add	*29.67*	
23 21 13 23-0499	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	180.85	74.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*42.48*	
		For Work In Restricted Working Space, Add	*33.65*	
23 21 13 23-0500	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	174.22	70.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*41.19*	
		For Work In Restricted Working Space, Add	*31.66*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0501	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	171.87	68.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*40.73*	
		For Work In Restricted Working Space, Add	*30.95*	
23 21 13 23-0502	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	175.54	89.33
		For Schedule 80 Or Extra Heavy Fittings, Add	*38.60*	
		For Work In Restricted Working Space, Add	*40.18*	
23 21 13 23-0503	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	197.07	86.49
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.50*	
		For Work In Restricted Working Space, Add	*38.90*	
23 21 13 23-0504	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	190.44	82.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*44.21*	
		For Work In Restricted Working Space, Add	*36.92*	
23 21 13 23-0505	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	218.64	113.64
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.70*	
		For Work In Restricted Working Space, Add	*51.11*	
23 21 13 23-0506	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	209.44	101.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*46.78*	
		For Work In Restricted Working Space, Add	*45.86*	
23 21 13 23-0507	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	250.95	99.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*59.68*	
		For Work In Restricted Working Space, Add	*44.58*	
23 21 13 23-0508	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	244.09	127.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*53.15*	
		For Work In Restricted Working Space, Add	*57.38*	
23 21 13 23-0509	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	247.83	127.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*54.27*	
		For Work In Restricted Working Space, Add	*57.38*	
23 21 13 23-0510	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	255.74	127.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*56.64*	
		For Work In Restricted Working Space, Add	*57.38*	
23 21 13 23-0511	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	401.23	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*85.49*	
		For Work In Restricted Working Space, Add	*99.65*	
23 21 13 23-0512	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	404.97	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*86.61*	
		For Work In Restricted Working Space, Add	*99.65*	
23 21 13 23-0513	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	416.21	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*89.99*	
		For Work In Restricted Working Space, Add	*99.65*	
23 21 13 23-0514	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	683.24	360.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*148.17*	
		For Work In Restricted Working Space, Add	*162.29*	
23 21 13 23-0515	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	763.95	360.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*172.38*	
		For Work In Restricted Working Space, Add	*162.29*	
23 21 13 23-0516	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,004.60	549.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*214.94*	
		For Work In Restricted Working Space, Add	*246.96*	
23 21 13 23-0517	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,154.77	549.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*260.00*	
		For Work In Restricted Working Space, Add	*246.96*	
23 21 13 23-0518	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,184.25	631.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*255.87*	
		For Work In Restricted Working Space, Add	*284.01*	
23 21 13 23-0519	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,364.80	631.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*310.04*	
		For Work In Restricted Working Space, Add	*284.01*	
23 21 13 23-0520	EA	10" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,602.36	631.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*381.31*	
		For Concentric Reducers, Deduct	*-209.81*	
		For Work In Restricted Working Space, Add	*284.01*	
23 21 13 23-0521	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,503.26	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*332.06*	
		For Work In Restricted Working Space, Add	*339.77*	
23 21 13 23-0522	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,714.18	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*395.33*	
		For Work In Restricted Working Space, Add	*339.77*	
23 21 13 23-0523	EA	12" x 6" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,070.74	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*502.30*	
		For Concentric Reducers, Deduct	*-300.21*	
		For Work In Restricted Working Space, Add	*339.77*	
23 21 13 23-0524	EA	12" x 4" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	1,497.28	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*330.26*	
		For Concentric Reducers, Deduct	*-116.70*	
		For Work In Restricted Working Space, Add	*339.77*	
23 21 13 23-0525	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	1,974.53	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*453.35*	
		For Work In Restricted Working Space, Add	*397.16*	
23 21 13 23-0526	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,085.60	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*486.68*	
		For Work In Restricted Working Space, Add	*397.16*	
23 21 13 23-0527	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,193.04	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*818.91*	
		For Work In Restricted Working Space, Add	*397.16*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0528	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,484.48	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*588.96*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0529	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	2,811.49	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*687.07*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0530	EA	16" x 10" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,938.79	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*725.26*	
		For Concentric Reducers, Deduct	*-463.82*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0531	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	4,372.86	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,155.48*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0532	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	5,086.46	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,369.56*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0533	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,494.77	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*869.71*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0534	EA	18" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	2,023.56	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*428.35*	
		For Concentric Reducers, Deduct	*-102.86*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0535	EA	18" x 12" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	3,666.61	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*921.26*	
		For Concentric Reducers, Deduct	*-628.64*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0536	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	3,919.96	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*997.27*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0537	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	6,061.88	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,639.84*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0538	EA	20" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,173.29	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,050.21*	
		For Concentric Reducers, Deduct	*-720.50*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0539	EA	20" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,167.48	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,048.46*	
		For Concentric Reducers, Deduct	*-718.64*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0540	EA	20" x 14" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	7,001.07	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,898.54*	
		For Concentric Reducers, Deduct	*-1,625.39*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0541	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	8,137.65	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,239.51*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0542	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	9,842.58	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,750.99*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0543	EA	24" x 20" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	4,937.94	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,272.88*	
		For Concentric Reducers, Deduct	*-944.69*	
		For Work In Restricted Working Space, Add	*595.73*	
23 21 13 23-0544	EA	24" x 18" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	5,281.46	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,375.93*	
		For Concentric Reducers, Deduct	*-1,054.62*	
		For Work In Restricted Working Space, Add	*595.73*	
23 21 13 23-0545	EA	24" x 16" Standard Weight, Welded Plain End Black Steel Eccentric Reducer	6,877.48	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,854.74*	
		For Concentric Reducers, Deduct	*-1,565.34*	
		For Work In Restricted Working Space, Add	*595.73*	
23 21 13 23-0546	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	9,847.53	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*2,745.75*	
		For Work In Restricted Working Space, Add	*595.74*	
23 21 13 23-0547	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Eccentric Reducer	12,074.53	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*3,413.85*	
		For Work In Restricted Working Space, Add	*595.74*	

23 21 13 23-0548 Welded Plain End Black Steel Concentric Reducers *(23 21 13 23-0393)*

23 21 13 23-0549	EA	1" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	143.01	61.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*33.21*	
		For Work In Restricted Working Space, Add	*27.69*	
23 21 13 23-0550	EA	1-/4" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	151.99	67.56
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.96*	
		For Work In Restricted Working Space, Add	*30.38*	
23 21 13 23-0551	EA	1-/4" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	149.62	65.98
		For Schedule 80 Or Extra Heavy Fittings, Add	*34.50*	
		For Work In Restricted Working Space, Add	*29.67*	
23 21 13 23-0552	EA	1-/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	162.87	74.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.08*	
		For Work In Restricted Working Space, Add	*33.65*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0553	EA	1-/2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	156.24	70.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.79*	
		For Work In Restricted Working Space, Add	*31.66*	
23 21 13 23-0554	EA	1-/2" x 3/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	153.89	68.82
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.33*	
		For Work In Restricted Working Space, Add	*30.95*	
23 21 13 23-0555	EA	2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	166.38	89.33
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.85*	
		For Work In Restricted Working Space, Add	*40.18*	
23 21 13 23-0556	EA	2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	162.13	86.49
		For Schedule 80 Or Extra Heavy Fittings, Add	*35.02*	
		For Work In Restricted Working Space, Add	*38.90*	
23 21 13 23-0557	EA	2" x 1" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	167.98	82.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*37.47*	
		For Work In Restricted Working Space, Add	*36.92*	
23 21 13 23-0558	EA	2-1/2" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	211.99	113.64
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.71*	
		For Work In Restricted Working Space, Add	*51.11*	
23 21 13 23-0559	EA	2-1/2" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	205.70	101.96
		For Schedule 80 Or Extra Heavy Fittings, Add	*45.66*	
		For Work In Restricted Working Space, Add	*45.86*	
23 21 13 23-0560	EA	2-1/2" x 1-1/4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	219.32	99.12
		For Schedule 80 Or Extra Heavy Fittings, Add	*50.19*	
		For Work In Restricted Working Space, Add	*44.58*	
23 21 13 23-0561	EA	3" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	224.95	127.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*47.40*	
		For Work In Restricted Working Space, Add	*57.38*	
23 21 13 23-0562	EA	3" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	227.45	127.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*48.15*	
		For Work In Restricted Working Space, Add	*57.38*	
23 21 13 23-0563	EA	3" x 1-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	232.86	127.52
		For Schedule 80 Or Extra Heavy Fittings, Add	*49.78*	
		For Work In Restricted Working Space, Add	*57.38*	
23 21 13 23-0564	EA	4" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	375.44	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*77.75*	
		For Work In Restricted Working Space, Add	*99.65*	
23 21 13 23-0565	EA	4" x 2-1/2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	385.01	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*80.63*	
		For Work In Restricted Working Space, Add	*99.65*	
23 21 13 23-0566	EA	4" x 2" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	385.01	221.53
		For Schedule 80 Or Extra Heavy Fittings, Add	*80.63*	
		For Work In Restricted Working Space, Add	*99.65*	
23 21 13 23-0567	EA	6" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	631.67	360.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*132.70*	
		For Work In Restricted Working Space, Add	*162.29*	
23 21 13 23-0568	EA	6" x 3" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	650.80	360.78
		For Schedule 80 Or Extra Heavy Fittings, Add	*138.44*	
		For Work In Restricted Working Space, Add	*162.29*	
23 21 13 23-0569	EA	8" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	942.19	549.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*196.22*	
		For Work In Restricted Working Space, Add	*246.96*	
23 21 13 23-0570	EA	8" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	976.31	549.08
		For Schedule 80 Or Extra Heavy Fittings, Add	*206.46*	
		For Work In Restricted Working Space, Add	*246.96*	
23 21 13 23-0571	EA	10" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,177.59	631.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*253.87*	
		For Work In Restricted Working Space, Add	*284.01*	
23 21 13 23-0572	EA	10" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,163.45	631.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*249.63*	
		For Work In Restricted Working Space, Add	*284.01*	
23 21 13 23-0573	EA	10" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,341.51	631.44
		For Schedule 80 Or Extra Heavy Fittings, Add	*303.05*	
		For Work In Restricted Working Space, Add	*284.01*	
23 21 13 23-0574	EA	12" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,417.97	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*306.47*	
		For Work In Restricted Working Space, Add	*339.77*	
23 21 13 23-0575	EA	12" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,460.73	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*319.30*	
		For Work In Restricted Working Space, Add	*339.77*	
23 21 13 23-0576	EA	12" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,476.21	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*323.94*	
		For Work In Restricted Working Space, Add	*339.77*	
23 21 13 23-0577	EA	12" x 4" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,930.10	755.40
		For Schedule 80 Or Extra Heavy Fittings, Add	*460.11*	
		For Work In Restricted Working Space, Add	*339.77*	
23 21 13 23-0578	EA	14" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,753.19	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*386.95*	
		For Work In Restricted Working Space, Add	*397.16*	
23 21 13 23-0579	EA	14" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	1,911.70	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*434.51*	
		For Work In Restricted Working Space, Add	*397.16*	
23 21 13 23-0580	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,049.41	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*475.82*	
		For Work In Restricted Working Space, Add	*397.16*	

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23 21 13 23-0581	EA	14" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,581.61	882.97
		For Schedule 80 Or Extra Heavy Fittings, Add	*635.48*	
		For Work In Restricted Working Space, Add	*397.16*	
23 21 13 23-0582	EA	16" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,240.69	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*515.83*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0583	EA	16" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,240.69	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*515.83*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0584	EA	16" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,319.74	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*539.54*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0585	EA	16" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,582.25	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*618.29*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0586	EA	16" x 6" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,669.44	993.41
		For Schedule 80 Or Extra Heavy Fittings, Add	*944.45*	
		For Work In Restricted Working Space, Add	*446.80*	
23 21 13 23-0587	EA	18" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,522.93	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*578.16*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0588	EA	18" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,725.54	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*638.94*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0589	EA	18" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	2,810.41	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*664.40*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0590	EA	18" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,041.30	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*733.67*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0591	EA	18" x 8" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	5,694.67	1,135.29
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,529.68*	
		For Work In Restricted Working Space, Add	*510.63*	
23 21 13 23-0592	EA	20" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,330.40	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*797.34*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0593	EA	20" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,330.40	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*797.34*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0594	EA	20" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,388.23	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*814.69*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0595	EA	20" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,730.63	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*917.41*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0596	EA	20" x 10" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	4,326.38	1,281.75
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,096.13*	
		For Work In Restricted Working Space, Add	*576.52*	
23 21 13 23-0597	EA	24" x 20" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,579.20	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*865.25*	
		For Work In Restricted Working Space, Add	*595.74*	
23 21 13 23-0598	EA	24" x 18" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,615.38	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*876.11*	
		For Work In Restricted Working Space, Add	*595.74*	
23 21 13 23-0599	EA	24" x 16" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	3,686.11	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*897.33*	
		For Work In Restricted Working Space, Add	*595.74*	
23 21 13 23-0600	EA	24" x 14" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	5,323.61	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,388.58*	
		For Work In Restricted Working Space, Add	*595.74*	
23 21 13 23-0601	EA	24" x 12" Standard Weight, Welded Plain End, Black Steel Concentric Reducer	5,646.87	1,324.55
		For Schedule 80 Or Extra Heavy Fittings, Add	*1,485.55*	
		For Work In Restricted Working Space, Add	*595.74*	

23 21 13 23-0602 Welded Plain End Black Steel Caps *(23 21 13 23-0393)*

23 21 13 23-0603	EA	1" Standard Weight, Welded Plain End Black Steel Cap	58.36	31.61
		For Schedule 80 Fittings, Add	*11.59*	
		For Work In Restricted Working Space, Add	*14.20*	
23 21 13 23-0604	EA	1-1/4" Standard Weight, Welded Plain End Black Steel Cap	63.78	34.74
		For Schedule 80 Fittings, Add	*12.63*	
		For Work In Restricted Working Space, Add	*15.62*	
23 21 13 23-0605	EA	1-1/2" Standard Weight, Welded Plain End Black Steel Cap	66.36	35.97
		For Schedule 80 Fittings, Add	*13.16*	
		For Work In Restricted Working Space, Add	*16.19*	
23 21 13 23-0606	EA	2" Standard Weight, Welded Plain End Black Steel Cap	81.52	46.11
		For Schedule 80 Fittings, Add	*15.82*	
		For Work In Restricted Working Space, Add	*20.74*	
23 21 13 23-0607	EA	2-1/2" Standard Weight, Welded Plain End Black Steel Cap	95.71	55.57
		For Schedule 80 Fittings, Add	*18.30*	
		For Work In Restricted Working Space, Add	*24.99*	
23 21 13 23-0608	EA	3" Standard Weight, Welded Plain End Black Steel Cap	114.03	64.09
		For Schedule 80 Fittings, Add	*22.20*	
		For Work In Restricted Working Space, Add	*28.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0609	EA	4" Standard Weight, Welded Plain End Black Steel Cap	189.92	110.76
		For Schedule 80 Fittings, Add	*36.22*	
		For Work In Restricted Working Space, Add	*49.82*	
23 21 13 23-0610	EA	6" Standard Weight, Welded Plain End Black Steel Cap	319.68	183.00
		For Schedule 80 Fittings, Add	*61.60*	
		For Work In Restricted Working Space, Add	*82.32*	
23 21 13 23-0611	EA	8" Standard Weight, Welded Plain End Black Steel Cap	529.75	308.05
		For Schedule 80 Fittings, Add	*101.20*	
		For Work In Restricted Working Space, Add	*138.54*	
23 21 13 23-0612	EA	10" Standard Weight, Welded Plain End Black Steel Cap	604.70	323.86
		For Schedule 80 Fittings, Add	*120.73*	
		For Work In Restricted Working Space, Add	*145.64*	
23 21 13 23-0613	EA	12" Standard Weight, Welded Plain End Black Steel Cap	703.24	369.63
		For Schedule 80 Fittings, Add	*141.70*	
		For Work In Restricted Working Space, Add	*166.25*	
23 21 13 23-0614	EA	14" Standard Weight, Welded Plain End Black Steel Cap	942.13	441.48
		For Schedule 80 Fittings, Add	*199.90*	
		For Work In Restricted Working Space, Add	*198.58*	
23 21 13 23-0615	EA	16" Standard Weight, Welded Plain End Black Steel Cap	1,094.17	512.69
		For Schedule 80 Fittings, Add	*232.16*	
		For Work In Restricted Working Space, Add	*230.61*	
23 21 13 23-0616	EA	18" Standard Weight, Welded Plain End Black Steel Cap	1,225.39	567.69
		For Schedule 80 Fittings, Add	*261.24*	
		For Work In Restricted Working Space, Add	*255.32*	

23 21 13 23-0617 150 LB, Welded Plain End Black Steel Neck Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.

23 21 13 23-0618	EA	2", 150 LB, Welded Plain End Black Steel Neck Flange	139.15	71.38
		For 300 LB Rating, Add	*33.73*	
		For Work In Restricted Working Space, Add	*32.10*	
23 21 13 23-0619	EA	2-1/2", 150 LB, Welded Plain End Black Steel Neck Flange	165.68	89.09
		For 300 LB Rating, Add	*36.52*	
		For Work In Restricted Working Space, Add	*40.06*	
23 21 13 23-0620	EA	3", 150 LB, Welded Plain End Black Steel Neck Flange	184.87	101.86
		For 300 LB Rating, Add	*38.56*	
		For Work In Restricted Working Space, Add	*45.81*	
23 21 13 23-0621	EA	4", 150 LB, Welded Plain End Black Steel Neck Flange	242.42	134.33
		For 300 LB Rating, Add	*49.85*	
		For Work In Restricted Working Space, Add	*60.43*	
23 21 13 23-0622	EA	6", 150 LB, Welded Plain End Black Steel Neck Flange	368.47	203.73
		For 300 LB Rating, Add	*76.23*	
		For Work In Restricted Working Space, Add	*91.61*	
23 21 13 23-0623	EA	8", 150 LB, Welded Plain End Black Steel Neck Flange	420.81	214.83
		For 300 LB Rating, Add	*102.97*	
		For Work In Restricted Working Space, Add	*96.61*	
23 21 13 23-0624	EA	10" , 150 LB, Welded Plain End Black Steel Neck Flange	548.24	269.37
		For 300 LB Rating, Add	*143.45*	
		For Work In Restricted Working Space, Add	*121.17*	
23 21 13 23-0625	EA	12" , 150 LB, Welded Plain End Black Steel Neck Flange	668.73	305.65
		For 300 LB Rating, Add	*195.45*	
		For Work In Restricted Working Space, Add	*137.48*	
23 21 13 23-0626	EA	14" , 150 LB, Welded Plain End Black Steel Neck Flange	873.69	369.63
		For 300 LB Rating, Add	*281.85*	
		For Work In Restricted Working Space, Add	*166.25*	
23 21 13 23-0627	EA	16", 150 LB, Welded Plain End Black Steel Neck Flange	1,143.24	429.57
		For 300 LB Rating, Add	*417.06*	
		For Work In Restricted Working Space, Add	*193.21*	
23 21 13 23-0628	EA	18", 150 LB, Welded Plain End Black Steel Neck Flange	1,415.12	481.63
		For 300 LB Rating, Add	*560.93*	
		For Work In Restricted Working Space, Add	*216.63*	
23 21 13 23-0629	EA	20", 150 LB, Welded Plain End Black Steel Neck Flange	1,794.26	611.32
		For 300 LB Rating, Add	*710.66*	
		For Work In Restricted Working Space, Add	*274.95*	
23 21 13 23-0630	EA	24", 150 LB, Welded Plain End Black Steel Neck Flange	2,035.19	662.27
		For 300 LB Rating, Add	*833.86*	
		For Work In Restricted Working Space, Add	*297.87*	

23 21 13 23-0631 150 LB, Welded Black Steel Slip-On Flanges *(23 21 13 23-0393)*

Note: Excludes bolt and gasket sets See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.

23 21 13 23-0632	EA	2", 150 LB, Welded Black Steel Slip-On Flanges	100.48	71.38
		For 300 LB Rating, Add	*22.70*	
		For Work In Restricted Working Space, Add	*25.56*	
23 21 13 23-0633	EA	2-1/2", 150 LB, Welded Black Steel Slip-On Flange	123.75	89.09
		For 300 LB Rating, Add	*28.59*	
		For Work In Restricted Working Space, Add	*31.24*	
23 21 13 23-0634	EA	3", 150 LB, Welded Black Steel Slip-On Flange	146.16	101.86
		For 300 LB Rating, Add	*33.70*	
		For Work In Restricted Working Space, Add	*36.92*	
23 21 13 23-0635	EA	4", 150 LB, Welded Black Steel Slip-On Flange	192.44	134.33
		For 300 LB Rating, Add	*45.25*	
		For Work In Restricted Working Space, Add	*48.28*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0636	EA	6", 150 LB, Welded Black Steel Slip-On Flange	285.15	203.73
		For 300 LB Rating, Add	*68.48*	
		For Work In Restricted Working Space, Add	*71.00*	
23 21 13 23-0637	EA	8", 150 LB, Welded Black Steel Slip-On Flange	367.04	214.83
		For 300 LB Rating, Add	*97.17*	
		For Work In Restricted Working Space, Add	*87.99*	
23 21 13 23-0638	EA	10", 150 LB, Welded Black Steel Slip-On Flange	493.92	269.37
		For 300 LB Rating, Add	*153.08*	
		For Work In Restricted Working Space, Add	*109.98*	
23 21 13 23-0639	EA	12", 150 LB, Welded Black Steel Slip-On Flange	640.81	305.65
		For 300 LB Rating, Add	*226.98*	
		For Work In Restricted Working Space, Add	*131.98*	
23 21 13 23-0640	EA	14", 150 LB, Welded Black Steel Slip-On Flange	806.73	369.63
		For 300 LB Rating, Add	*318.03*	
		For Work In Restricted Working Space, Add	*153.97*	
23 21 13 23-0641	EA	16", 150 LB, Welded Black Steel Slip-On Flange	963.40	429.57
		For 300 LB Rating, Add	*415.31*	
		For Work In Restricted Working Space, Add	*170.47*	
23 21 13 23-0642	EA	18", 150 LB, Welded Black Steel Slip-On Flange	1,066.30	481.63
		For 300 LB Rating, Add	*464.20*	
		For Work In Restricted Working Space, Add	*186.97*	
23 21 13 23-0643	EA	20", 150 LB, Welded Black Steel Slip-On Flange	1,181.84	611.32
		For 300 LB Rating, Add	*524.47*	
		For Work In Restricted Working Space, Add	*203.47*	
23 21 13 23-0644	EA	24", 150 LB, Welded Black Steel Slip-On Flange	1,354.07	662.27
		For 300 LB Rating, Add	*592.04*	
		For Work In Restricted Working Space, Add	*236.46*	

23 21 13 23-0645 150 LB, Forged Steel Blind Flanges *(23 21 13 23-0393)*

23 21 13 23-0646	EA	2", 150 LB, Forged Steel Blind Flange	68.84	25.35
		For 300 LB Rating, Add	*19.84*	
		For 600 LB Rating, Add	*51.14*	
		For Work In Restricted Working Space, Add	*15.21*	
23 21 13 23-0647	EA	2-1/2", 150 LB, Forged Steel Blind Flange	90.25	30.42
		For 300 LB Rating, Add	*29.92*	
		For 600 LB Rating, Add	*79.73*	
		For Work In Restricted Working Space, Add	*18.25*	
23 21 13 23-0648	EA	3", 150 LB, Forged Steel Blind Flange	111.54	40.56
		For 300 LB Rating, Add	*32.86*	
		For 600 LB Rating, Add	*85.20*	
		For Work In Restricted Working Space, Add	*24.33*	
23 21 13 23-0649	EA	4", 150 LB, Forged Steel Blind Flange	143.34	50.70
		For 300 LB Rating, Add	*44.20*	
		For 600 LB Rating, Add	*115.87*	
		For Work In Restricted Working Space, Add	*30.42*	
23 21 13 23-0650	EA	6", 150 LB, Forged Steel Blind Flange	195.36	65.91
		For 300 LB Rating, Add	*64.68*	
		For 600 LB Rating, Add	*172.29*	
		For Work In Restricted Working Space, Add	*39.54*	
23 21 13 23-0651	EA	8", 150 LB, Forged Steel Blind Flange	252.90	76.05
		For 300 LB Rating, Add	*96.62*	
		For 600 LB Rating, Add	*264.76*	
		For Work In Restricted Working Space, Add	*45.63*	
23 21 13 23-0652	EA	10", 150 LB, Forged Steel Blind Flange	379.36	91.25
		For 300 LB Rating, Add	*176.64*	
		For 600 LB Rating, Add	*499.82*	
		For Work In Restricted Working Space, Add	*54.75*	
23 21 13 23-0653	EA	12", 150 LB, Forged Steel Blind Flange	491.55	106.46
		For 300 LB Rating, Add	*245.25*	
		For 600 LB Rating, Add	*700.63*	
		For Work In Restricted Working Space, Add	*63.88*	
23 21 13 23-0654	EA	14", 150 LB, Forged Steel Blind Flange	817.01	121.68
		For 300 LB Rating, Add	*484.49*	
		For Work In Restricted Working Space, Add	*73.00*	
23 21 13 23-0655	EA	16", 150 LB, Forged Steel Blind Flange	878.45	136.88
		For 300 LB Rating, Add	*512.50*	
		For Work In Restricted Working Space, Add	*82.13*	
23 21 13 23-0656	EA	18", 150 LB, Forged Steel Blind Flange	991.37	167.30
		For 300 LB Rating, Add	*560.55*	
		For Work In Restricted Working Space, Add	*100.38*	
23 21 13 23-0657	EA	20", 150 LB, Forged Steel Blind Flange	1,264.25	182.51
		For 300 LB Rating, Add	*757.71*	
		For Work In Restricted Working Space, Add	*109.51*	
23 21 13 23-0658	EA	24", 150 LB, Forged Steel Blind Flange	1,713.25	212.93
		For 300 LB Rating, Add	*1,074.63*	
		For Work In Restricted Working Space, Add	*127.76*	

23 21 13 23-0659 3,000 LB, Forge Steel Thread-O-Lets *(23 21 13 23-0393)*

23 21 13 23-0660	EA	1/2", 3,000 LB, Forge Steel Thread-O-Let	67.96
		For Weld-O-Lets, Add	*4.16*
		For Sock-O-Lets, Add	*26.24*
		For Work In Restricted Working Space, Add	*17.89*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0661	EA	3/4", 3,000 LB, Forge Steel Thread-O-Let	72.25	
		For Weld-O-Lets, Add	*4.89*	
		For Sock-O-Lets, Add	*27.94*	
		For Work In Restricted Working Space, Add	*18.74*	
23 21 13 23-0662	EA	1", 3,000 LB, Forge Steel Thread-O-Let	77.22	
		For Weld-O-Lets, Add	*5.48*	
		For Sock-O-Lets, Add	*29.89*	
		For Work In Restricted Working Space, Add	*19.88*	
23 21 13 23-0663	EA	1-1/4", 3,000 LB, Forge Steel Thread-O-Let	86.53	
		For Weld-O-Lets, Add	*7.77*	
		For Sock-O-Lets, Add	*33.66*	
		For Work In Restricted Working Space, Add	*21.30*	
23 21 13 23-0664	EA	1-1/2", 3,000 LB, Forge Steel Thread-O-Let	95.99	
		For Weld-O-Lets, Add	*7.77*	
		For Sock-O-Lets, Add	*37.25*	
		For Work In Restricted Working Space, Add	*24.14*	
23 21 13 23-0665	EA	2", 3,000 LB, Forge Steel Thread-O-Let	124.60	
		For Weld-O-Lets, Add	*9.71*	
		For Sock-O-Lets, Add	*48.32*	
		For Work In Restricted Working Space, Add	*31.55*	
23 21 13 23-0666	EA	2-1/2", 3,000 LB, Forge Steel Thread-O-Let	205.71	
		For Weld-O-Lets, Add	*35.24*	
		For Sock-O-Lets, Add	*81.69*	
		For Work In Restricted Working Space, Add	*40.57*	
23 21 13 23-0667	EA	3", 3,000 LB, Forge Steel Thread-O-Let	260.23	
		For Weld-O-Lets, Add	*35.45*	
		For Sock-O-Lets, Add	*102.43*	
		For Work In Restricted Working Space, Add	*56.80*	
23 21 13 23-0668	EA	4", 3,000 LB, Forge Steel Thread-O-Let	375.43	
		For Weld-O-Lets, Add	*69.38*	
		For Sock-O-Lets, Add	*149.60*	
		For Work In Restricted Working Space, Add	*71.00*	

23 21 13 23-0669 Class 150 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0670	EA	3/4" To 1-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 1/2" diameter bolts with washers and nut.	13.65	
		For Zinc Plated, Add	*3.82*	
		For Hot Dip Galvanized, Add	*5.46*	
		For Advanced Fluoropolymer (Blue Coating), Add	*9.56*	
23 21 13 23-0671	EA	2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	17.39	
		For Zinc Plated, Add	*4.87*	
		For Hot Dip Galvanized, Add	*6.96*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.17*	
23 21 13 23-0672	EA	2-1/2" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	17.56	
		For Zinc Plated, Add	*4.92*	
		For Hot Dip Galvanized, Add	*7.02*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.29*	
23 21 13 23-0673	EA	3" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.	17.63	
		For Zinc Plated, Add	*4.94*	
		For Hot Dip Galvanized, Add	*7.05*	
		For Advanced Fluoropolymer (Blue Coating), Add	*12.34*	
23 21 13 23-0674	EA	4" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.	39.84	
		For Zinc Plated, Add	*11.16*	
		For Hot Dip Galvanized, Add	*15.94*	
		For Advanced Fluoropolymer (Blue Coating), Add	*27.89*	
23 21 13 23-0675	EA	5" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	56.93	
		For Zinc Plated, Add	*15.94*	
		For Hot Dip Galvanized, Add	*22.77*	
		For Advanced Fluoropolymer (Blue Coating), Add	*39.85*	
23 21 13 23-0676	EA	6" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	61.50	
		For Zinc Plated, Add	*17.22*	
		For Hot Dip Galvanized, Add	*24.60*	
		For Advanced Fluoropolymer (Blue Coating), Add	*43.05*	
23 21 13 23-0677	EA	8" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.	67.25	
		For Zinc Plated, Add	*18.83*	
		For Hot Dip Galvanized, Add	*26.90*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.08*	
23 21 13 23-0678	EA	10" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.	149.27	
		For Zinc Plated, Add	*41.80*	
		For Hot Dip Galvanized, Add	*59.71*	
		For Advanced Fluoropolymer (Blue Coating), Add	*104.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0679	EA	12" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	151.76	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*42.49*	
		For Hot Dip Galvanized, Add	*60.70*	
		For Advanced Fluoropolymer (Blue Coating), Add	*106.23*	
23 21 13 23-0680	EA	14" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	170.16	
		Note: Includes rubber gasket, and twelve (12) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*47.64*	
		For Hot Dip Galvanized, Add	*68.06*	
		For Advanced Fluoropolymer (Blue Coating), Add	*119.11*	
23 21 13 23-0681	EA	16" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	283.50	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*79.38*	
		For Hot Dip Galvanized, Add	*113.40*	
		For Advanced Fluoropolymer (Blue Coating), Add	*198.45*	
23 21 13 23-0682	EA	18" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	409.53	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*114.67*	
		For Hot Dip Galvanized, Add	*163.81*	
		For Advanced Fluoropolymer (Blue Coating), Add	*286.67*	
23 21 13 23-0683	EA	20" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	517.32	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*144.85*	
		For Hot Dip Galvanized, Add	*206.93*	
		For Advanced Fluoropolymer (Blue Coating), Add	*362.12*	
23 21 13 23-0684	EA	24" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	738.02	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*206.65*	
		For Hot Dip Galvanized, Add	*295.21*	
		For Advanced Fluoropolymer (Blue Coating), Add	*516.61*	
23 21 13 23-0685	EA	30" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,165.35	
		Note: Includes rubber gasket, and twenty-eight (28) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*326.30*	
		For Hot Dip Galvanized, Add	*466.14*	
		For Advanced Fluoropolymer (Blue Coating), Add	*815.75*	
23 21 13 23-0686	EA	36" Pipe Diameter, Class 150 Steel Flange, Bolt And Gasket Set	1,659.38	
		Note: Includes rubber gasket, and thirty-two (32) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*464.63*	
		For Hot Dip Galvanized, Add	*663.75*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,161.57*	

23 21 13 23-0687 Class 300 Flange, Steel Bolt And Gasket Sets *(23 21 13 23-0393)*

Note: Used between weld neck or slip-on flanges and valves, or equipment with bolt connections, or between two bolted valves. Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets.

23 21 13 23-0688	EA	3/4" To 1-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	21.39	
		Note: Includes rubber gasket, and four (4) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*5.99*	
		For Hot Dip Galvanized, Add	*8.56*	
		For Advanced Fluoropolymer (Blue Coating), Add	*14.97*	
23 21 13 23-0689	EA	2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	40.03	
		Note: Includes rubber gasket, and eight (8) 5/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*11.21*	
		For Hot Dip Galvanized, Add	*16.01*	
		For Advanced Fluoropolymer (Blue Coating), Add	*28.02*	
23 21 13 23-0690	EA	2-1/2" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	62.80	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*17.58*	
		For Hot Dip Galvanized, Add	*25.12*	
		For Advanced Fluoropolymer (Blue Coating), Add	*43.96*	
23 21 13 23-0691	EA	3" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	68.23	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*19.10*	
		For Hot Dip Galvanized, Add	*27.29*	
		For Advanced Fluoropolymer (Blue Coating), Add	*47.76*	
23 21 13 23-0692	EA	4" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	69.60	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*19.49*	
		For Hot Dip Galvanized, Add	*27.84*	
		For Advanced Fluoropolymer (Blue Coating), Add	*48.72*	
23 21 13 23-0693	EA	5" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	73.90	
		Note: Includes rubber gasket, and eight (8) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*20.69*	
		For Hot Dip Galvanized, Add	*29.56*	
		For Advanced Fluoropolymer (Blue Coating), Add	*51.73*	
23 21 13 23-0694	EA	6" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	107.38	
		Note: Includes rubber gasket, and twelve (12) 3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*30.07*	
		For Hot Dip Galvanized, Add	*42.95*	
		For Advanced Fluoropolymer (Blue Coating), Add	*75.17*	
23 21 13 23-0695	EA	8" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	166.88	
		Note: Includes rubber gasket, and twelve (12) 7/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*46.73*	
		For Hot Dip Galvanized, Add	*66.75*	
		For Advanced Fluoropolymer (Blue Coating), Add	*116.82*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0696	EA	10" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	307.04	
		Note: Includes rubber gasket, and sixteen (16) 1" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*85.97*	
		For Hot Dip Galvanized, Add	*122.82*	
		For Advanced Fluoropolymer (Blue Coating), Add	*214.93*	
23 21 13 23-0697	EA	12" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	443.88	
		Note: Includes rubber gasket, and sixteen (16) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*124.29*	
		For Hot Dip Galvanized, Add	*177.55*	
		For Advanced Fluoropolymer (Blue Coating), Add	*310.72*	
23 21 13 23-0698	EA	14" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	608.03	
		Note: Includes rubber gasket, and twenty (20) 1-1/8" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*170.25*	
		For Hot Dip Galvanized, Add	*243.21*	
		For Advanced Fluoropolymer (Blue Coating), Add	*425.62*	
23 21 13 23-0699	EA	16" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	840.47	
		Note: Includes rubber gasket, and twenty (20) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*235.33*	
		For Hot Dip Galvanized, Add	*336.19*	
		For Advanced Fluoropolymer (Blue Coating), Add	*588.33*	
23 21 13 23-0700	EA	18" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	1,078.77	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*302.06*	
		For Hot Dip Galvanized, Add	*431.51*	
		For Advanced Fluoropolymer (Blue Coating), Add	*755.14*	
23 21 13 23-0701	EA	20" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	1,144.33	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*320.41*	
		For Hot Dip Galvanized, Add	*457.73*	
		For Advanced Fluoropolymer (Blue Coating), Add	*801.03*	
23 21 13 23-0702	EA	24" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	1,449.50	
		Note: Includes rubber gasket, and twenty-four (24) 1-1/2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*405.86*	
		For Hot Dip Galvanized, Add	*579.80*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,014.65*	
23 21 13 23-0703	EA	30" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	2,273.62	
		Note: Includes rubber gasket, and twenty-eight (28) 1-3/4" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*636.61*	
		For Hot Dip Galvanized, Add	*909.45*	
		For Advanced Fluoropolymer (Blue Coating), Add	*1,591.53*	
23 21 13 23-0704	EA	36" Pipe Diameter, Class 300 Steel Flange, Bolt And Gasket Set	3,458.15	
		Note: Includes rubber gasket, and thirty-two (32) 2" diameter bolts with washers and nut.		
		For Zinc Plated, Add	*968.28*	
		For Hot Dip Galvanized, Add	*1,383.26*	
		For Advanced Fluoropolymer (Blue Coating), Add	*2,420.71*	

23 21 13 23-0705 150 LB, Rubber Flange Gasket Replacement *(23 21 13 23-0393)*

Note: Includes unbolting, removal of old gaskets, new 150 LB rubber gasket and rebolting.

23 21 13 23-0706	EA	1/2", 150 LB, Rubber Flange Gasket Replacement	28.34	
		For 300 LB Rating Gasket Set, Add	*0.11*	
		For Work In Restricted Working Space, Add	*8.41*	
23 21 13 23-0707	EA	3/4", 150 LB, Rubber Flange Gasket Replacement	30.32	
		For 300 LB Rating Gasket Set, Add	*0.15*	
		For Work In Restricted Working Space, Add	*8.97*	
23 21 13 23-0708	EA	1", 150 LB, Rubber Flange Gasket Replacement	33.44	
		For 300 LB Rating Gasket Set, Add	*0.26*	
		For Work In Restricted Working Space, Add	*9.81*	
23 21 13 23-0709	EA	1-1/4", 150 LB, Rubber Flange Gasket Replacement	36.35	
		For 300 LB Rating Gasket Set, Add	*0.30*	
		For Work In Restricted Working Space, Add	*10.65*	
23 21 13 23-0710	EA	1-1/2", 150 LB, Rubber Flange Gasket Replacement	40.30	
		For 300 LB Rating Gasket Set, Add	*0.38*	
		For Work In Restricted Working Space, Add	*11.77*	
23 21 13 23-0711	EA	2", 150 LB, Rubber Flange Gasket Replacement	44.48	
		For 300 LB Rating Gasket Set, Add	*0.53*	
		For Work In Restricted Working Space, Add	*12.89*	
23 21 13 23-0712	EA	2-1/2", 150 LB, Rubber Flange Gasket Replacement	52.48	
		For 300 LB Rating Gasket Set, Add	*0.72*	
		For Work In Restricted Working Space, Add	*15.13*	
23 21 13 23-0713	EA	3", 150 LB, Rubber Flange Gasket Replacement	55.61	
		For 300 LB Rating Gasket Set, Add	*0.83*	
		For Work In Restricted Working Space, Add	*15.97*	
23 21 13 23-0714	EA	4", 150 LB, Rubber Flange Gasket Replacement	73.93	
		For 300 LB Rating Gasket Set, Add	*1.36*	
		For Work In Restricted Working Space, Add	*21.02*	
23 21 13 23-0715	EA	5", 150 LB, Rubber Flange Gasket Replacement	85.57	
		For 300 LB Rating Gasket Set, Add	*1.51*	
		For Work In Restricted Working Space, Add	*24.38*	
23 21 13 23-0716	EA	6", 150 LB, Rubber Flange Gasket Replacement	98.06	
		For 300 LB Rating Gasket Set, Add	*1.96*	
		For Work In Restricted Working Space, Add	*27.74*	
23 21 13 23-0717	EA	8", 150 LB, Rubber Flange Gasket Replacement	120.27	
		For 300 LB Rating Gasket Set, Add	*2.87*	
		For Work In Restricted Working Space, Add	*33.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0718	EA	10", 150 LB, Rubber Flange Gasket Replacement	131.19	
		For 300 LB Rating Gasket Set, Add	*4.07*	
		For Work In Restricted Working Space, Add	*35.87*	
23 21 13 23-0719	EA	12", 150 LB, Rubber Flange Gasket Replacement	150.30	
		For 300 LB Rating Gasket Set, Add	*5.20*	
		For Work In Restricted Working Space, Add	*40.63*	
23 21 13 23-0720	EA	14", 150 LB, Rubber Flange Gasket Replacement	157.88	
		For 300 LB Rating Gasket Set, Add	*6.22*	
		For Work In Restricted Working Space, Add	*42.03*	
23 21 13 23-0721	EA	16", 150 LB, Rubber Flange Gasket Replacement	206.63	
		For 300 LB Rating Gasket Set, Add	*6.94*	
		For Work In Restricted Working Space, Add	*56.04*	
23 21 13 23-0722	EA	18", 150 LB, Rubber Flange Gasket Replacement	225.22	
		For 300 LB Rating Gasket Set, Add	*7.24*	
		For Work In Restricted Working Space, Add	*61.36*	
23 21 13 23-0723	EA	20", 150 LB, Rubber Flange Gasket Replacement	271.55	
		For 300 LB Rating Gasket Set, Add	*7.77*	
		For Work In Restricted Working Space, Add	*74.81*	

23 21 13 23-0724 Cut And Prepare For Welding Existing In-Place Black Steel Pipe *(23 21 13 23-0393)*

Note: For use when connecting pipe to an existing in-place system.

23 21 13 23-0725	EA	1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	20.27	
		For Work In Restricted Working Space, Add	*6.08*	
23 21 13 23-0726	EA	3/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	21.89	
		For Work In Restricted Working Space, Add	*6.57*	
23 21 13 23-0727	EA	1", Cut And Prepare For Welding Existing In Place Black Steel Pipe	24.63	
		For Work In Restricted Working Space, Add	*7.39*	
23 21 13 23-0728	EA	1-1/4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	25.84	
		For Work In Restricted Working Space, Add	*7.75*	
23 21 13 23-0729	EA	1-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	27.36	
		For Work In Restricted Working Space, Add	*8.21*	
23 21 13 23-0730	EA	2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	29.39	
		For Work In Restricted Working Space, Add	*8.82*	
23 21 13 23-0731	EA	2-1/2", Cut And Prepare For Welding Existing In Place Black Steel Pipe	31.42	
		For Work In Restricted Working Space, Add	*9.43*	
23 21 13 23-0732	EA	3", Cut And Prepare For Welding Existing In Place Black Steel Pipe	34.46	
		For Work In Restricted Working Space, Add	*10.34*	
23 21 13 23-0733	EA	4", Cut And Prepare For Welding Existing In Place Black Steel Pipe	37.50	
		For Work In Restricted Working Space, Add	*11.25*	
23 21 13 23-0734	EA	6", Cut And Prepare For Welding Existing In Place Black Steel Pipe	40.54	
		For Work In Restricted Working Space, Add	*12.16*	
23 21 13 23-0735	EA	8", Cut And Prepare For Welding Existing In Place Black Steel Pipe	43.58	
		For Work In Restricted Working Space, Add	*13.07*	
23 21 13 23-0736	EA	10", Cut And Prepare For Welding Existing In Place Black Steel Pipe	47.63	
		For Work In Restricted Working Space, Add	*14.29*	
23 21 13 23-0737	EA	12", Cut And Prepare For Welding Existing In Place Black Steel Pipe	51.68	
		For Work In Restricted Working Space, Add	*15.50*	
23 21 13 23-0738	EA	14", Cut And Prepare For Welding Existing In Place Black Steel Pipe	55.74	
		For Work In Restricted Working Space, Add	*16.72*	
23 21 13 23-0739	EA	16", Cut And Prepare For Welding Existing In Place Black Steel Pipe	59.80	
		For Work In Restricted Working Space, Add	*17.94*	
23 21 13 23-0740	EA	18", Cut And Prepare For Welding Existing In Place Black Steel Pipe	62.83	
		For Work In Restricted Working Space, Add	*18.85*	
23 21 13 23-0741	EA	20", Cut And Prepare For Welding Existing In Place Black Steel Pipe	65.87	
		For Work In Restricted Working Space, Add	*19.76*	
23 21 13 23-0742	EA	24", Cut And Prepare For Welding Existing In Place Black Steel Pipe	69.93	
		For Work In Restricted Working Space, Add	*20.98*	

23 21 13 23-0743 Welded Plain End Electric Resistance Black Steel Pipe *(23 21 13 23-0393)*

Note: ASTM A-135.

23 21 13 23-0744	LF	2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	20.29	10.41
		For Work In Restricted Working Space, Add	*5.11*	
23 21 13 23-0745	LF	2-1/2" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	22.03	11.36
		For Work In Restricted Working Space, Add	*5.11*	
23 21 13 23-0746	LF	3" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	22.86	11.17
		For Work In Restricted Working Space, Add	*5.01*	
23 21 13 23-0747	LF	4" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	28.71	14.20
		For Work In Restricted Working Space, Add	*6.38*	
23 21 13 23-0748	LF	6" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	45.89	21.02
		For Work In Restricted Working Space, Add	*9.45*	
23 21 13 23-0749	LF	8.322" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	57.91	25.02
		For Work In Restricted Working Space, Add	*11.27*	
23 21 13 23-0750	LF	10.365" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	76.94	31.16
		For Work In Restricted Working Space, Add	*14.02*	
23 21 13 23-0751	LF	12.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	93.27	37.58
		For Work In Restricted Working Space, Add	*16.90*	
23 21 13 23-0752	LF	14.375" Electric Resistance Weld Black Pipe, Plain End Schedule 40 ASTM A-135, Not Including Hangers Or Fittings	119.47	48.76
		For Work In Restricted Working Space, Add	*21.94*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0753		**150 LB, Spiral Wound Metal Flange Gasket Replacement** *(23 21 13 23-0393)* Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (1/8" thick carbon steel outer ring with spiral wound 304 stainless steel inner ring) and rebolting.		
23 21 13 23-0754	EA	1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	31.69	
		For 300 Lb., Add	*0.28*	
		For Work In Restricted Working Space, Add	*8.41*	
23 21 13 23-0755	EA	3/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement	33.61	
		For 300 Lb., Add	*0.28*	
		For Work In Restricted Working Space, Add	*8.97*	
23 21 13 23-0756	EA	1", 150 LB, Spiral Wound Metal Flange Gasket Replacement	36.45	
		For 300 Lb., Add	*0.28*	
		For Work In Restricted Working Space, Add	*9.81*	
23 21 13 23-0757	EA	1-1/4", 150 LB, Spiral Wound Metal Flange Gasket Replacement	39.82	
		For 300 Lb., Add	*0.32*	
		For Work In Restricted Working Space, Add	*10.65*	
23 21 13 23-0758	EA	1-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	43.64	
		For 300 Lb., Add	*0.33*	
		For Work In Restricted Working Space, Add	*11.77*	
23 21 13 23-0759	EA	2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	47.60	
		For 300 Lb., Add	*0.35*	
		For Work In Restricted Working Space, Add	*12.89*	
23 21 13 23-0760	EA	2-1/2", 150 LB, Spiral Wound Metal Flange Gasket Replacement	55.46	
		For 300 Lb., Add	*0.38*	
		For Work In Restricted Working Space, Add	*15.13*	
23 21 13 23-0761	EA	3", 150 LB, Spiral Wound Metal Flange Gasket Replacement	58.68	
		For 300 Lb., Add	*0.41*	
		For Work In Restricted Working Space, Add	*15.97*	
23 21 13 23-0762	EA	4", 150 LB, Spiral Wound Metal Flange Gasket Replacement	77.00	
		For 300 Lb., Add	*0.52*	
		For Work In Restricted Working Space, Add	*21.02*	
23 21 13 23-0763	EA	5", 150 LB, Spiral Wound Metal Flange Gasket Replacement	89.83	
		For 300 Lb., Add	*0.64*	
		For Work In Restricted Working Space, Add	*24.37*	
23 21 13 23-0764	EA	6", 150 LB, Spiral Wound Metal Flange Gasket Replacement	102.00	
		For 300 Lb., Add	*0.71*	
		For Work In Restricted Working Space, Add	*27.74*	
23 21 13 23-0765	EA	8", 150 LB, Spiral Wound Metal Flange Gasket Replacement	123.47	
		For 300 Lb., Add	*0.85*	
		For Work In Restricted Working Space, Add	*33.63*	
23 21 13 23-0766	EA	10", 150 LB, Spiral Wound Metal Flange Gasket Replacement	135.24	
		For 300 Lb., Add	*1.18*	
		For Work In Restricted Working Space, Add	*35.87*	
23 21 13 23-0767	EA	12", 150 LB, Spiral Wound Metal Flange Gasket Replacement	159.07	
		For 300 Lb., Add	*1.77*	
		For Work In Restricted Working Space, Add	*40.63*	
23 21 13 23-0768		**150 LB, Flexible Graphite Flange Gasket Replacement** *(23 21 13 23-0393)* Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (flexible graphite outer ring with 316 stainless steel inner ring) and rebolting.		
23 21 13 23-0769	EA	1/2", 150 LB, Flexible Graphite Flange Gasket Replacement	28.76	
		For Work In Restricted Working Space, Add	*8.41*	
23 21 13 23-0770	EA	3/4", 150 LB, Flexible Graphite Flange Gasket Replacement	31.11	
		For Work In Restricted Working Space, Add	*8.97*	
23 21 13 23-0771	EA	1", 150 LB, Flexible Graphite Flange Gasket Replacement	34.09	
		For Work In Restricted Working Space, Add	*9.81*	
23 21 13 23-0772	EA	1-1/4", 150 LB, Flexible Graphite Flange Gasket Replacement	37.48	
		For Work In Restricted Working Space, Add	*10.65*	
23 21 13 23-0773	EA	1-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement	41.34	
		For Work In Restricted Working Space, Add	*11.77*	
23 21 13 23-0774	EA	2", 150 LB, Flexible Graphite Flange Gasket Replacement	45.75	
		For Work In Restricted Working Space, Add	*12.89*	
23 21 13 23-0775	EA	2-1/2", 150 LB, Flexible Graphite Flange Gasket Replacement	54.19	
		For Work In Restricted Working Space, Add	*15.13*	
23 21 13 23-0776	EA	3", 150 LB, Flexible Graphite Flange Gasket Replacement	57.20	
		For Work In Restricted Working Space, Add	*15.97*	
23 21 13 23-0777	EA	4", 150 LB, Flexible Graphite Flange Gasket Replacement	76.47	
		For Work In Restricted Working Space, Add	*21.02*	
23 21 13 23-0778	EA	5", 150 LB, Flexible Graphite Flange Gasket Replacement	88.89	
		For Work In Restricted Working Space, Add	*24.37*	
23 21 13 23-0779	EA	6", 150 LB, Flexible Graphite Flange Gasket Replacement	100.99	
		For Work In Restricted Working Space, Add	*27.74*	
23 21 13 23-0780	EA	8", 150 LB, Flexible Graphite Flange Gasket Replacement	126.42	
		For Work In Restricted Working Space, Add	*33.63*	
23 21 13 23-0781	EA	10", 150 LB, Flexible Graphite Flange Gasket Replacement	140.34	
		For Work In Restricted Working Space, Add	*35.87*	
23 21 13 23-0782	EA	12", 150 LB, Flexible Graphite Flange Gasket Replacement	161.16	
		For Work In Restricted Working Space, Add	*40.63*	
23 21 13 23-0783		**150 LB, Teflon, Spiral Wound, Flange Gasket Replacement** *(23 21 13 23-0393)* Note: Includes unbolting, removal of old gaskets, new 150 LB spiral wound metal flange gasket (teflon outer ring with 304 stainless steel inner ring) and rebolting.		

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0784	EA	1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	40.96	
		For Work In Restricted Working Space, Add	*8.41*	
23 21 13 23-0785	EA	3/4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	43.71	
		For Work In Restricted Working Space, Add	*8.97*	
23 21 13 23-0786	EA	1", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	47.41	
		For Work In Restricted Working Space, Add	*9.81*	
23 21 13 23-0787	EA	1-1/4", Teflon, Spiral Wound, Flange Gasket Replacement	53.31	
		For Work In Restricted Working Space, Add	*10.65*	
23 21 13 23-0788	EA	1-1/2", Teflon, Spiral Wound, Flange Gasket Replacement	57.64	
		For Work In Restricted Working Space, Add	*11.77*	
23 21 13 23-0789	EA	2", Teflon, Spiral Wound, Flange Gasket Replacement	62.92	
		For Work In Restricted Working Space, Add	*12.89*	
23 21 13 23-0790	EA	2-1/2", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	73.24	
		For Work In Restricted Working Space, Add	*15.13*	
23 21 13 23-0791	EA	3", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	82.18	
		For Work In Restricted Working Space, Add	*15.97*	
23 21 13 23-0792	EA	4", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	104.51	
		For Work In Restricted Working Space, Add	*21.02*	
23 21 13 23-0793	EA	5", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	124.17	
		For Work In Restricted Working Space, Add	*24.37*	
23 21 13 23-0794	EA	6", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	159.00	
		For Work In Restricted Working Space, Add	*27.74*	
23 21 13 23-0795	EA	8", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	177.80	
		For Work In Restricted Working Space, Add	*33.63*	
23 21 13 23-0796	EA	10", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	200.37	
		For Work In Restricted Working Space, Add	*35.87*	
23 21 13 23-0797	EA	12", 150 LB Teflon, Spiral Wound, Flange Gasket Replacement	257.51	
		For Work In Restricted Working Space, Add	*40.63*	

23 21 13 23-0798 Flanged Steel Fittings *(23 21 13 23)*

See CSI section 23 21 13 23-0394 for steel pipe, 23 21 13 23-0617 for welded neck flange ends.

23 21 13 23-0799 Flanged Steel Fittings, Standard Weight *(23 21 13 23-0798)*

Note: Flanged equipment, flanged fittings and flanged valves exclude bolt and gasket sets. See CSI section 23 21 13 23-0669 for Class 150 steel bolt and gasket set.

23 21 13 23-0800 Flanged Steel, 90 Degree Elbows *(23 21 13 23-0799)*

23 21 13 23-0801	EA	2" Standard Weight, Flanged Steel, 90 Degree Elbow	414.29	43.58
		For Galvanized Fittings, Add	*279.16*	
		For Extra Heavy Weight Fittings, Add	*418.74*	
23 21 13 23-0802	EA	2-1/2" Standard Weight, Flanged Steel, 90 Degree Elbow	462.09	48.54
		For Galvanized Fittings, Add	*311.42*	
		For Extra Heavy Weight Fittings, Add	*467.14*	
23 21 13 23-0803	EA	3" Standard Weight, Flanged Steel, 90 Degree Elbow	459.03	53.58
		For Galvanized Fittings, Add	*303.01*	
		For Extra Heavy Weight Fittings, Add	*454.51*	
23 21 13 23-0804	EA	4" Standard Weight, Flanged Steel, 90 Degree Elbow	582.57	62.26
		For Galvanized Fittings, Add	*391.38*	
		For Extra Heavy Weight Fittings, Add	*587.08*	
23 21 13 23-0805	EA	5" Standard Weight, Flanged Steel, 90 Degree Elbow	814.72	69.72
		For Galvanized Fittings, Add	*568.14*	
		For Extra Heavy Weight Fittings, Add	*852.22*	
23 21 13 23-0806	EA	6" Standard Weight, Flanged Steel, 90 Degree Elbow	861.32	80.93
		For Galvanized Fittings, Add	*591.99*	
		For Extra Heavy Weight Fittings, Add	*887.99*	
23 21 13 23-0807	EA	8" Standard Weight, Flanged Steel, 90 Degree Elbow	1,093.05	89.61
		For Galvanized Fittings, Add	*766.91*	
		For Extra Heavy Weight Fittings, Add	*1,150.37*	

23 21 13 23-0808 Flanged Steel, Reducing 90 Degree Elbows *(23 21 13 23-0799)*

23 21 13 23-0809	EA	2-1/2" x 2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	773.99	46.11
		For Galvanized Fittings, Add	*563.94*	
		For Extra Heavy Weight Fittings, Add	*845.90*	
23 21 13 23-0810	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	806.01	51.06
		For Galvanized Fittings, Add	*583.58*	
		For Extra Heavy Weight Fittings, Add	*875.36*	
23 21 13 23-0811	EA	4" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,003.90	57.87
		For Galvanized Fittings, Add	*733.67*	
		For Extra Heavy Weight Fittings, Add	*1,100.51*	
23 21 13 23-0812	EA	5" x 3" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,242.71	61.61
		For Galvanized Fittings, Add	*920.25*	
		For Extra Heavy Weight Fittings, Add	*1,380.37*	
23 21 13 23-0813	EA	6" x 4" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,415.47	71.59
		For Galvanized Fittings, Add	*1,046.50*	
		For Extra Heavy Weight Fittings, Add	*1,569.76*	
23 21 13 23-0814	EA	8" x 6" Standard Weight, Flanged Steel, Reducing 90 Degree Elbow	1,974.34	85.31
		For Galvanized Fittings, Add	*1,477.17*	
		For Extra Heavy Weight Fittings, Add	*2,215.75*	

23 21 13 23-0815 Flanged Steel, 45 Degree Elbows *(23 21 13 23-0799)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0816	EA	2" Standard Weight, Flanged Steel, 45 Degree Elbow	540.54	43.58
		For Galvanized Fittings, Add	*380.16*	
		For Extra Heavy Weight Fittings, Add	*570.24*	
23 21 13 23-0817	EA	2-1/2" Standard Weight, Flanged Steel, 45 Degree Elbow	563.80	48.54
		For Galvanized Fittings, Add	*392.79*	
		For Extra Heavy Weight Fittings, Add	*589.19*	
23 21 13 23-0818	EA	3" Standard Weight, Flanged Steel, 45 Degree Elbow	585.28	53.58
		For Galvanized Fittings, Add	*404.01*	
		For Extra Heavy Weight Fittings, Add	*606.01*	
23 21 13 23-0819	EA	4" Standard Weight, Flanged Steel, 45 Degree Elbow	729.87	62.26
		For Galvanized Fittings, Add	*509.22*	
		For Extra Heavy Weight Fittings, Add	*763.84*	
23 21 13 23-0820	EA	5" Standard Weight, Flanged Steel, 45 Degree Elbow	1,053.20	69.72
		For Galvanized Fittings, Add	*758.93*	
		For Extra Heavy Weight Fittings, Add	*1,138.39*	
23 21 13 23-0821	EA	6" Standard Weight, Flanged Steel, 45 Degree Elbow	1,026.15	80.93
		For Galvanized Fittings, Add	*723.86*	
		For Extra Heavy Weight Fittings, Add	*1,085.78*	
23 21 13 23-0822	EA	8" Standard Weight, Flanged Steel, 45 Degree Elbow	1,210.43	89.61
		For Galvanized Fittings, Add	*860.82*	
		For Extra Heavy Weight Fittings, Add	*1,291.22*	

23 21 13 23-0823 Flanged Steel, Tees *(23 21 13 23-0799)*

23 21 13 23-0824	EA	2" Standard Weight, Flanged Steel, Tee	531.12	65.34
		For Galvanized Fittings, Add	*346.50*	
		For Extra Heavy Weight Fittings, Add	*519.74*	
23 21 13 23-0825	EA	2-1/2" Standard Weight, Flanged Steel, Tee	686.11	72.81
		For Galvanized Fittings, Add	*461.53*	
		For Extra Heavy Weight Fittings, Add	*692.29*	
23 21 13 23-0826	EA	3" Standard Weight, Flanged Steel, Tee	625.44	80.27
		For Galvanized Fittings, Add	*404.02*	
		For Extra Heavy Weight Fittings, Add	*606.04*	
23 21 13 23-0827	EA	4" Standard Weight, Flanged Steel, Tee	894.01	93.43
		For Galvanized Fittings, Add	*603.20*	
		For Extra Heavy Weight Fittings, Add	*904.80*	
23 21 13 23-0828	EA	5" Standard Weight, Flanged Steel, Tee	1,328.81	104.63
		For Galvanized Fittings, Add	*937.60*	
		For Extra Heavy Weight Fittings, Add	*1,406.40*	
23 21 13 23-0829	EA	6" Standard Weight, Flanged Steel, Tee	1,621.87	121.44
		For Galvanized Fittings, Add	*1,151.90*	
		For Extra Heavy Weight Fittings, Add	*1,727.84*	
23 21 13 23-0830	EA	8" Standard Weight, Flanged Steel, Tee	1,795.63	140.67
		For Galvanized Fittings, Add	*1,267.75*	
		For Extra Heavy Weight Fittings, Add	*1,901.63*	

23 21 13 23-0831 Flanged Steel, Reducing Tees *(23 21 13 23-0799)*

23 21 13 23-0832	EA	2-1/2" Standard Weight, Flanged Steel, Reducing Tee	840.20	70.38
		For Galvanized Fittings, Add	*587.78*	
		For Extra Heavy Weight Fittings, Add	*881.68*	
23 21 13 23-0833	EA	3" Standard Weight, Flanged Steel, Reducing Tee	970.65	77.84
		For Galvanized Fittings, Add	*683.18*	
		For Extra Heavy Weight Fittings, Add	*1,024.76*	
23 21 13 23-0834	EA	4" Standard Weight, Flanged Steel, Reducing Tee	1,671.21	89.04
		For Galvanized Fittings, Add	*1,230.18*	
		For Extra Heavy Weight Fittings, Add	*1,845.28*	
23 21 13 23-0835	EA	5" Standard Weight, Flanged Steel, Reducing Tee	1,806.33	100.90
		For Galvanized Fittings, Add	*1,324.10*	
		For Extra Heavy Weight Fittings, Add	*1,986.14*	
23 21 13 23-0836	EA	6" Standard Weight, Flanged Steel, Reducing Tee	2,270.87	115.84
		For Galvanized Fittings, Add	*1,677.81*	
		For Extra Heavy Weight Fittings, Add	*2,516.71*	
23 21 13 23-0837	EA	8" Standard Weight, Flanged Steel, Reducing Tee	2,835.87	130.12
		For Galvanized Fittings, Add	*2,112.64*	
		For Extra Heavy Weight Fittings, Add	*3,168.96*	

23 21 13 23-0838 Flanged Steel, Concentric Reducers *(23 21 13 23-0799)*

23 21 13 23-0839	EA	3" x 2-1/2" Standard Weight, Flanged Steel, Concentric Reducer	795.49	51.06
		For Galvanized Fittings, Add	*575.16*	
		For Extra Heavy Weight Fittings, Add	*862.74*	
23 21 13 23-0840	EA	4" x 3" Standard Weight, Flanged Steel, Concentric Reducer	903.95	57.87
		For Galvanized Fittings, Add	*653.71*	
		For Extra Heavy Weight Fittings, Add	*980.57*	
23 21 13 23-0841	EA	5" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,342.19	65.99
		For Galvanized Fittings, Add	*994.60*	
		For Extra Heavy Weight Fittings, Add	*1,491.90*	
23 21 13 23-0842	EA	6" x 4" Standard Weight, Flanged Steel, Concentric Reducer	1,480.35	71.59
		For Galvanized Fittings, Add	*1,098.41*	
		For Extra Heavy Weight Fittings, Add	*1,647.61*	
23 21 13 23-0843	EA	8" x 6" Standard Weight, Flanged Steel, Concentric Reducer	1,734.11	85.31
		For Galvanized Fittings, Add	*1,284.98*	
		For Extra Heavy Weight Fittings, Add	*1,927.48*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-0844 Flanged Steel, Eccentric Reducers *(23 21 13 23-0799)*

23 21 13 23-0845	EA	4" x 3" Standard Weight, Flanged Steel, Eccentric Reducer	859.76	57.87
		For Galvanized Fittings, Add	*618.36*	
		For Extra Heavy Weight Fittings, Add	*927.54*	
23 21 13 23-0846	EA	5" x 4" Standard Weight, Flanged Steel, Eccentric Reducer	1,169.29	65.99
		For Galvanized Fittings, Add	*856.28*	
		For Extra Heavy Weight Fittings, Add	*1,284.42*	

23 21 13 23-0847 Plain End Couplings And Fittings *(23 21 13 23)*

Note: For use on standard weight steel pipe (Schedule 40), but may be used on lightwall steel or other metallic pipe such as aluminum or stainless steel.

23 21 13 23-0848 Plain End Piping System Couplings *(23 21 13 23-0847)*

23 21 13 23-0849 Plainlock Plain End Piping System Couplings *(23 21 13 23-0848)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0850	EA	1" Plainlock Plain End Piping System Coupling	177.03	5.60
		For Galvanized Fittings, Add	*33.72*	
23 21 13 23-0851	EA	1-1/2" Plainlock Plain End Piping System Coupling	180.29	7.74
		For Galvanized Fittings, Add	*33.72*	
23 21 13 23-0852	EA	2" Plainlock Plain End Piping System Coupling	184.07	10.27
		For Galvanized Fittings, Add	*33.72*	
23 21 13 23-0853	EA	2-1/2" Plainlock Plain End Piping System Coupling	187.30	12.41
		For Galvanized Fittings, Add	*33.72*	
23 21 13 23-0854	EA	3" Plainlock Plain End Piping System Coupling	221.41	14.93
		For Galvanized Fittings, Add	*39.80*	
23 21 13 23-0855	EA	4" Plainlock Plain End Piping System Coupling	305.60	19.89
		For Galvanized Fittings, Add	*55.15*	
23 21 13 23-0856	EA	6" Plainlock Plain End Piping System Coupling	514.13	32.39
		For Galvanized Fittings, Add	*93.12*	

23 21 13 23-0857 Roust-A-Bout Plain End Piping System Couplings *(23 21 13 23-0848)*

Note: Ductile iron body with gasket, bolts and nuts.

23 21 13 23-0858	EA	1-1/2" Roust-A-Bout Plain End Piping System Coupling	213.04	7.74
		For Galvanized Fittings, Add	*50.34*	
23 21 13 23-0859	EA	2" Roust-A-Bout Plain End Piping System Coupling	216.82	10.27
		For Galvanized Fittings, Add	*50.34*	
23 21 13 23-0860	EA	2-1/2" Roust-A-Bout Plain End Piping System Coupling	220.06	12.50
		For Galvanized Fittings, Add	*50.34*	
23 21 13 23-0861	EA	3" Roust-A-Bout Plain End Piping System Coupling	320.69	14.93
		For Galvanized Fittings, Add	*74.58*	
23 21 13 23-0862	EA	3-1/2" Roust-A-Bout Plain End Piping System Coupling	371.37	17.46
		For Galvanized Fittings, Add	*86.30*	
23 21 13 23-0863	EA	4" Roust-A-Bout Plain End Piping System Coupling	375.06	19.89
		For Galvanized Fittings, Add	*86.30*	
23 21 13 23-0864	EA	5" Roust-A-Bout Plain End Piping System Coupling	530.54	24.92
		For Galvanized Fittings, Add	*123.30*	
23 21 13 23-0865	EA	6" Roust-A-Bout Plain End Piping System Coupling	650.90	32.39
		For Galvanized Fittings, Add	*150.59*	
23 21 13 23-0866	EA	8" Roust-A-Bout Plain End Piping System Coupling	1,126.00	38.64
		For Galvanized Fittings, Add	*267.02*	
23 21 13 23-0867	EA	10" Roust-A-Bout Plain End Piping System Coupling	1,458.18	45.73
		For Galvanized Fittings, Add	*347.39*	
23 21 13 23-0868	EA	12" Roust-A-Bout Plain End Piping System Coupling	1,824.82	54.13
		For Galvanized Fittings, Add	*435.90*	
23 21 13 23-0869	EA	14" Roust-A-Bout Plain End Piping System Coupling	2,565.68	59.83
		For Galvanized Fittings, Add	*618.98*	
23 21 13 23-0870	EA	16" Roust-A-Bout Plain End Piping System Coupling	3,492.05	67.67
		For Galvanized Fittings, Add	*847.65*	

23 21 13 23-0871 Plain End Piping System Fittings *(23 21 13 23-0847)*

Note: Cast ductile iron bodies.

23 21 13 23-0872 Plain End Piping System, 90 Degree Elbows *(23 21 13 23-0871)*

23 21 13 23-0873	EA	1" Plain End Piping System, 90 Degree Elbow	174.43	10.18
		For Galvanized Fittings, Add	*31.84*	
23 21 13 23-0874	EA	1-1/2" Plain End Piping System, 90 Degree Elbow	182.28	15.40
		For Galvanized Fittings, Add	*31.84*	
23 21 13 23-0875	EA	2" Plain End Piping System, 90 Degree Elbow	189.69	20.35
		For Galvanized Fittings, Add	*31.84*	
23 21 13 23-0876	EA	2-1/2" Plain End Piping System, 90 Degree Elbow	196.34	24.83
		For Galvanized Fittings, Add	*31.84*	
23 21 13 23-0877	EA	3" Plain End Piping System, 90 Degree Elbow	236.24	30.05
		For Galvanized Fittings, Add	*38.24*	
23 21 13 23-0878	EA	4" Plain End Piping System, 90 Degree Elbow	338.20	39.57
		For Galvanized Fittings, Add	*55.76*	
23 21 13 23-0879	EA	5" Plain End Piping System, 90 Degree Elbow	1,039.43	49.56
		For Galvanized Fittings, Add	*193.02*	
23 21 13 23-0880	EA	6" Plain End Piping System, 90 Degree Elbow	864.66	64.87
		For Galvanized Fittings, Add	*153.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0881	EA	8" Plain End Piping System, 90 Degree Elbow	1,736.39	77.00
		For Galvanized Fittings, Add	*324.17*	
23 21 13 23-0882	EA	10" Plain End Piping System, 90 Degree Elbow	2,172.08	89.98
		For Galvanized Fittings, Add	*407.44*	
23 21 13 23-0883	EA	12" Plain End Piping System, 90 Degree Elbow	2,755.85	108.08
		For Galvanized Fittings, Add	*518.76*	

23 21 13 23-0884 Plain End Piping System, 45 Degree Elbows *(23 21 13 23-0871)*

23 21 13 23-0885	EA	1" Plain End Piping System, 45 Degree Elbow	174.43	10.18
		For Galvanized Fittings, Add	*31.84*	
23 21 13 23-0886	EA	1-1/2" Plain End Piping System, 45 Degree Elbow	182.28	15.40
		For Galvanized Fittings, Add	*31.84*	
23 21 13 23-0887	EA	2" Plain End Piping System, 45 Degree Elbow	189.69	20.35
		For Galvanized Fittings, Add	*31.84*	
23 21 13 23-0888	EA	2-1/2" Plain End Piping System, 45 Degree Elbow	196.34	24.83
		For Galvanized Fittings, Add	*31.84*	
23 21 13 23-0889	EA	3" Plain End Piping System, 45 Degree Elbow	236.24	30.05
		For Galvanized Fittings, Add	*38.24*	
23 21 13 23-0890	EA	4" Plain End Piping System, 45 Degree Elbow	338.20	39.57
		For Galvanized Fittings, Add	*55.76*	
23 21 13 23-0891	EA	5" Plain End Piping System, 45 Degree Elbow	1,039.43	49.56
		For Galvanized Fittings, Add	*193.02*	
23 21 13 23-0892	EA	6" Plain End Piping System, 45 Degree Elbow	867.61	64.87
		For Galvanized Fittings, Add	*154.08*	
23 21 13 23-0893	EA	8" Plain End Piping System, 45 Degree Elbow	1,006.13	77.00
		For Galvanized Fittings, Add	*178.12*	
23 21 13 23-0894	EA	10" Plain End Piping System, 45 Degree Elbow	1,377.80	89.98
		For Galvanized Fittings, Add	*248.58*	
23 21 13 23-0895	EA	12" Plain End Piping System, 45 Degree Elbow	1,767.72	108.08
		For Galvanized Fittings, Add	*321.13*	

23 21 13 23-0896 Plain End Piping System, Tees *(23 21 13 23-0871)*

23 21 13 23-0897	EA	1" Plain End Piping System, Tee	237.46	15.40
		For Galvanized Fittings, Add	*42.87*	
23 21 13 23-0898	EA	1-1/2" Plain End Piping System, Tee	249.03	23.14
		For Galvanized Fittings, Add	*42.87*	
23 21 13 23-0899	EA	2" Plain End Piping System, Tee	259.24	29.96
		For Galvanized Fittings, Add	*42.87*	
23 21 13 23-0900	EA	2-1/2" Plain End Piping System, Tee	269.39	36.69
		For Galvanized Fittings, Add	*42.87*	
23 21 13 23-0901	EA	3" Plain End Piping System, Tee	376.12	45.09
		For Galvanized Fittings, Add	*61.70*	
23 21 13 23-0902	EA	4" Plain End Piping System, Tee	516.41	58.34
		For Galvanized Fittings, Add	*85.80*	
23 21 13 23-0903	EA	5" Plain End Piping System, Tee	1,056.79	76.26
		For Galvanized Fittings, Add	*188.48*	
23 21 13 23-0904	EA	6" Plain End Piping System, Tee	1,306.26	95.49
		For Galvanized Fittings, Add	*232.62*	
23 21 13 23-0905	EA	8" Plain End Piping System, Tee	1,785.71	116.11
		For Galvanized Fittings, Add	*322.31*	
23 21 13 23-0906	EA	10" Plain End Piping System, Tee	2,663.94	135.34
		For Galvanized Fittings, Add	*492.21*	
23 21 13 23-0907	EA	12" Plain End Piping System, Tee	3,572.29	162.13
		For Galvanized Fittings, Add	*665.84*	

23 21 13 23-0908 Plain End Piping System, Reducing Tees *(23 21 13 23-0871)*

23 21 13 23-0909	EA	1-1/2" Plain End Piping System, Reducing Tee	460.89	24.83
		For Galvanized Fittings, Add	*84.74*	
23 21 13 23-0910	EA	2" Plain End Piping System, Reducing Tee	468.57	29.96
		For Galvanized Fittings, Add	*84.74*	
23 21 13 23-0911	EA	2-1/2" Plain End Piping System, Reducing Tee	478.72	36.69
		For Galvanized Fittings, Add	*84.74*	
23 21 13 23-0912	EA	3" Plain End Piping System, Reducing Tee	491.33	45.09
		For Galvanized Fittings, Add	*84.74*	
23 21 13 23-0913	EA	4" Plain End Piping System, Reducing Tee	712.91	58.34
		For Galvanized Fittings, Add	*125.10*	
23 21 13 23-0914	EA	6" Plain End Piping System, Reducing Tee	1,205.35	95.49
		For Galvanized Fittings, Add	*212.44*	
23 21 13 23-0915	EA	8" Plain End Piping System, Reducing Tee	1,572.98	116.11
		For Galvanized Fittings, Add	*279.77*	
23 21 13 23-0916	EA	10" Plain End Piping System, Reducing Tee	2,359.45	135.34
		For Galvanized Fittings, Add	*431.31*	
23 21 13 23-0917	EA	12" Plain End Piping System, Reducing Tee	3,485.16	162.13
		For Galvanized Fittings, Add	*648.42*	

23 21 13 23-0918 Plain End Piping System, Wyes *(23 21 13 23-0871)*

23 21 13 23-0919	EA	2" Plain End Piping System, Wye	672.75	29.96
		For Galvanized Fittings, Add	*125.57*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0920	EA	2-1/2" Plain End Piping System, Wye	682.90	36.69
		For Galvanized Fittings, Add	*125.57*	
23 21 13 23-0921	EA	3" Plain End Piping System, Wye	773.40	45.09
		For Galvanized Fittings, Add	*141.15*	
23 21 13 23-0922	EA	4" Plain End Piping System, Wye	1,134.98	58.34
		For Galvanized Fittings, Add	*209.52*	
23 21 13 23-0923	EA	5" Plain End Piping System, Wye	1,389.16	76.26
		For Galvanized Fittings, Add	*254.95*	
23 21 13 23-0924	EA	6" Plain End Piping System, Wye	1,898.57	95.49
		For Galvanized Fittings, Add	*351.08*	
23 21 13 23-0925	EA	8" Plain End Piping System, Wye	2,447.52	116.11
		For Galvanized Fittings, Add	*454.68*	
23 21 13 23-0926	EA	10" Plain End Piping System, Wye	3,555.29	135.34
		For Galvanized Fittings, Add	*670.48*	
23 21 13 23-0927	EA	12" Plain End Piping System, Wye	5,411.05	162.13
		For Galvanized Fittings, Add	*1,033.60*	

23 21 13 23-0928 Plain End Piping System, Laterals *(23 21 13 23-0871)*

23 21 13 23-0929	EA	2" Plain End Piping System, Lateral	717.16	29.96
		For Galvanized Fittings, Add	*134.46*	
23 21 13 23-0930	EA	2-1/2" Plain End Piping System, Lateral	727.31	36.69
		For Galvanized Fittings, Add	*134.46*	
23 21 13 23-0931	EA	3" Plain End Piping System, Lateral	817.51	45.09
		For Galvanized Fittings, Add	*149.97*	
23 21 13 23-0932	EA	4" Plain End Piping System, Lateral	1,219.22	58.34
		For Galvanized Fittings, Add	*226.36*	
23 21 13 23-0933	EA	5" Plain End Piping System, Lateral	1,589.80	76.26
		For Galvanized Fittings, Add	*295.08*	
23 21 13 23-0934	EA	6" Plain End Piping System, Lateral	2,027.66	95.49
		For Galvanized Fittings, Add	*376.90*	
23 21 13 23-0935	EA	8" Plain End Piping System, Lateral	2,921.66	116.11
		For Galvanized Fittings, Add	*549.50*	
23 21 13 23-0936	EA	10" Plain End Piping System, Lateral	4,081.37	135.34
		For Galvanized Fittings, Add	*775.69*	
23 21 13 23-0937	EA	12" Plain End Piping System, Lateral	5,489.24	162.13
		For Galvanized Fittings, Add	*1,049.23*	

23 21 13 23-0938 Plain End Piping System, Crosses *(23 21 13 23-0871)*

23 21 13 23-0939	EA	2" Plain End Piping System, Cross	797.20	44.90
		For Galvanized Fittings, Add	*91.25*	
23 21 13 23-0940	EA	2-1/2" Plain End Piping System, Cross	812.42	54.98
		For Galvanized Fittings, Add	*91.25*	
23 21 13 23-0941	EA	3" Plain End Piping System, Cross	948.11	67.67
		For Galvanized Fittings, Add	*105.83*	
23 21 13 23-0942	EA	4" Plain End Piping System, Cross	1,294.20	87.46
		For Galvanized Fittings, Add	*145.39*	
23 21 13 23-0943	EA	5" Plain End Piping System, Cross	1,823.57	114.44
		For Galvanized Fittings, Add	*206.50*	
23 21 13 23-0944	EA	6" Plain End Piping System, Cross	2,395.40	142.80
		For Galvanized Fittings, Add	*272.67*	
23 21 13 23-0945	EA	8" Plain End Piping System, Cross	3,057.70	172.96
		For Galvanized Fittings, Add	*349.80*	
23 21 13 23-0946	EA	10" Plain End Piping System, Cross	4,386.12	202.17
		For Galvanized Fittings, Add	*510.39*	
23 21 13 23-0947	EA	12" Plain End Piping System, Cross	6,252.08	243.24
		For Galvanized Fittings, Add	*735.93*	

23 21 13 23-0948 Plain End Piping System, Adapter Nipples *(23 21 13 23-0871)*

Note: Plain to threaded, plain to beveled or plain to grooved.

23 21 13 23-0949	EA	1" Plain End Piping System, Adapter Nipple	25.26	5.60
		For Galvanized Fittings, Add	*4.22*	
23 21 13 23-0950	EA	1-1/2" Plain End Piping System, Adapter Nipple	29.00	7.74
		For Galvanized Fittings, Add	*4.33*	
23 21 13 23-0951	EA	2" Plain End Piping System, Adapter Nipple	32.68	10.27
		For Galvanized Fittings, Add	*4.33*	
23 21 13 23-0952	EA	2-1/2" Plain End Piping System, Adapter Nipple	38.97	12.41
		For Galvanized Fittings, Add	*5.08*	
23 21 13 23-0953	EA	3" Plain End Piping System, Adapter Nipple	47.49	14.93
		For Galvanized Fittings, Add	*6.27*	
23 21 13 23-0954	EA	4" Plain End Piping System, Adapter Nipple	71.82	19.89
		For Galvanized Fittings, Add	*10.49*	
23 21 13 23-0955	EA	6" Plain End Piping System, Adapter Nipple	150.79	24.92
		For Galvanized Fittings, Add	*28.37*	

23 21 13 23-0956 Plain End Piping System, Reducing (Swaged) Nipples *(23 21 13 23-0871)*

23 21 13 23-0957	EA	1-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	76.75	13.35
		For Galvanized Fittings, Add	*14.17*	
23 21 13 23-0958	EA	2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	80.49	15.87
		For Galvanized Fittings, Add	*14.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-0959	EA	2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	84.26	18.38
		For Galvanized Fittings, Add	*14.17*	
23 21 13 23-0960	EA	2-1/2" x 1" Plain End Piping System, Reducing (Swaged) Nipple	83.35	17.83
		For Galvanized Fittings, Add	*14.17*	
23 21 13 23-0961	EA	2-1/2" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	87.02	20.26
		For Galvanized Fittings, Add	*14.17*	
23 21 13 23-0962	EA	2-1/2" x 2" Plain End Piping System, Reducing (Swaged) Nipple	90.74	22.68
		For Galvanized Fittings, Add	*14.17*	
23 21 13 23-0963	EA	3" x 1" Plain End Piping System, Reducing (Swaged) Nipple	99.78	20.53
		For Galvanized Fittings, Add	*17.26*	
23 21 13 23-0964	EA	3" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	103.09	22.68
		For Galvanized Fittings, Add	*17.26*	
23 21 13 23-0965	EA	3" x 2" Plain End Piping System, Reducing (Swaged) Nipple	90.91	25.20
		For Galvanized Fittings, Add	*13.27*	
23 21 13 23-0966	EA	3" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	98.14	30.05
		For Galvanized Fittings, Add	*13.27*	
23 21 13 23-0967	EA	3-1/2" x 3" Plain End Piping System, Reducing (Swaged) Nipple	112.01	32.39
		For Galvanized Fittings, Add	*15.87*	
23 21 13 23-0968	EA	4" x 1" Plain End Piping System, Reducing (Swaged) Nipple	135.32	25.48
		For Galvanized Fittings, Add	*24.27*	
23 21 13 23-0969	EA	4" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	138.59	27.72
		For Galvanized Fittings, Add	*24.27*	
23 21 13 23-0970	EA	4" x 2" Plain End Piping System, Reducing (Swaged) Nipple	118.82	30.24
		For Galvanized Fittings, Add	*18.38*	
23 21 13 23-0971	EA	4" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	122.03	32.39
		For Galvanized Fittings, Add	*18.38*	
23 21 13 23-0972	EA	4" x 3" Plain End Piping System, Reducing (Swaged) Nipple	125.83	34.91
		For Galvanized Fittings, Add	*18.38*	
23 21 13 23-0973	EA	4" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	129.47	37.33
		For Galvanized Fittings, Add	*18.38*	
23 21 13 23-0974	EA	5" x 2" Plain End Piping System, Reducing (Swaged) Nipple	323.10	35.18
		For Galvanized Fittings, Add	*67.58*	
23 21 13 23-0975	EA	5" x 3" Plain End Piping System, Reducing (Swaged) Nipple	268.32	39.76
		For Galvanized Fittings, Add	*52.16*	
23 21 13 23-0976	EA	5" x 4" Plain End Piping System, Reducing (Swaged) Nipple	238.93	44.90
		For Galvanized Fittings, Add	*42.92*	
23 21 13 23-0977	EA	6" x 1" Plain End Piping System, Reducing (Swaged) Nipple	571.98	37.99
		For Galvanized Fittings, Add	*128.77*	
23 21 13 23-0978	EA	6" x 1-1/2" Plain End Piping System, Reducing (Swaged) Nipple	575.20	40.14
		For Galvanized Fittings, Add	*128.77*	
23 21 13 23-0979	EA	6" x 2" Plain End Piping System, Reducing (Swaged) Nipple	444.89	42.66
		For Galvanized Fittings, Add	*95.24*	
23 21 13 23-0980	EA	6" x 2-1/2" Plain End Piping System, Reducing (Swaged) Nipple	448.20	44.90
		For Galvanized Fittings, Add	*95.24*	
23 21 13 23-0981	EA	6" x 3" Plain End Piping System, Reducing (Swaged) Nipple	317.81	47.33
		For Galvanized Fittings, Add	*61.72*	
23 21 13 23-0982	EA	6" x 3-1/2" Plain End Piping System, Reducing (Swaged) Nipple	321.20	49.56
		For Galvanized Fittings, Add	*61.72*	
23 21 13 23-0983	EA	6" x 4" Plain End Piping System, Reducing (Swaged) Nipple	265.54	52.27
		For Galvanized Fittings, Add	*46.81*	
23 21 13 23-0984	EA	6" x 5" Plain End Piping System, Reducing (Swaged) Nipple	300.47	57.22
		For Galvanized Fittings, Add	*53.67*	
23 21 13 23-0985	EA	8" x 3" Plain End Piping System, Reducing (Swaged) Nipple	377.94	53.49
		For Galvanized Fittings, Add	*74.44*	
23 21 13 23-0986	EA	8" x 4" Plain End Piping System, Reducing (Swaged) Nipple	385.47	58.52
		For Galvanized Fittings, Add	*74.44*	
23 21 13 23-0987	EA	8" x 5" Plain End Piping System, Reducing (Swaged) Nipple	433.98	63.56
		For Galvanized Fittings, Add	*84.68*	
23 21 13 23-0988	EA	8" x 6" Plain End Piping System, Reducing (Swaged) Nipple	486.24	71.03
		For Galvanized Fittings, Add	*94.92*	

23 21 13 23-0989 Plain End Piping System, Bull Plugs *(23 21 13 23-0871)*

23 21 13 23-0990	EA	1" Plain End Piping System, Bull Plug	354.50	5.60
		For Galvanized Fittings, Add	*103.83*	
23 21 13 23-0991	EA	1-1/2" Plain End Piping System, Bull Plug	357.77	7.74
		For Galvanized Fittings, Add	*103.83*	
23 21 13 23-0992	EA	2" Plain End Piping System, Bull Plug	361.45	10.27
		For Galvanized Fittings, Add	*103.83*	
23 21 13 23-0993	EA	2-1/2" Plain End Piping System, Bull Plug	364.77	12.41
		For Galvanized Fittings, Add	*103.83*	
23 21 13 23-0994	EA	3" Plain End Piping System, Bull Plug	529.74	14.93
		For Galvanized Fittings, Add	*152.20*	
23 21 13 23-0995	EA	4" Plain End Piping System, Bull Plug	685.17	19.89
		For Galvanized Fittings, Add	*196.59*	
23 21 13 23-0996	EA	5" Plain End Piping System, Bull Plug	1,195.41	24.92
		For Galvanized Fittings, Add	*347.42*	
23 21 13 23-0997	EA	6" Plain End Piping System, Bull Plug	1,593.13	32.39
		For Galvanized Fittings, Add	*463.38*	
23 21 13 23-0998	EA	8" Plain End Piping System, Bull Plug	2,961.76	38.55
		For Galvanized Fittings, Add	*871.17*	
23 21 13 23-0999	EA	10" Plain End Piping System, Bull Plug	5,339.19	45.09
		For Galvanized Fittings, Add	*1,581.47*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1000	EA	12" Plain End Piping System, Bull Plug	8,187.89	54.13
		For Galvanized Fittings, Add	*2,432.01*	

23 21 13 23-1001 Carbon Steel Piping Systems *(23 21 13 23)*

23 21 13 23-1002 Class 3,000 LB Carbon Steel Socket Weld Fittings *(23 21 13 23-1001)*

Note: ASTM A105

23 21 13 23-1003 90 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1002)*

23 21 13 23-1004	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	34.78	18.48
23 21 13 23-1005	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	39.10	20.63
23 21 13 23-1006	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	49.59	23.05
23 21 13 23-1007	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	67.14	26.14
23 21 13 23-1008	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	76.71	29.41
23 21 13 23-1009	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	103.91	37.43
23 21 13 23-1010	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	204.38	55.35
23 21 13 23-1011	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	290.40	72.81
23 21 13 23-1012	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	501.81	78.04

23 21 13 23-1013 45 Degree Elbows, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1002)*

23 21 13 23-1014	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	37.92	18.48
23 21 13 23-1015	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	43.86	20.63
23 21 13 23-1016	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	51.05	23.05
23 21 13 23-1017	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	68.99	26.14
23 21 13 23-1018	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	81.14	29.41
23 21 13 23-1019	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	103.82	37.43
23 21 13 23-1020	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	231.50	55.35
23 21 13 23-1021	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	313.35	72.81
23 21 13 23-1022	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 3,000 LB	491.88	78.04

23 21 13 23-1023 Straight Tees, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1002)*

23 21 13 23-1024	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	42.67	23.05
23 21 13 23-1025	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	51.59	26.60
23 21 13 23-1026	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	67.83	31.45
23 21 13 23-1027	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	89.80	37.43
23 21 13 23-1028	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	108.75	44.61
23 21 13 23-1029	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	143.69	55.35
23 21 13 23-1030	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	255.38	72.81
23 21 13 23-1031	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	349.17	86.43
23 21 13 23-1032	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 3,000 LB	663.51	98.52

23 21 13 23-1033 Reducing Tees, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1002)*

23 21 13 23-1034	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	43.53	23.05
23 21 13 23-1035	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	52.48	26.60
23 21 13 23-1036	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	68.90	31.45
23 21 13 23-1037	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	92.32	37.43
23 21 13 23-1038	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	111.71	44.61
23 21 13 23-1039	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	148.23	55.35
23 21 13 23-1040	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	266.16	72.81
23 21 13 23-1041	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	364.69	86.43
23 21 13 23-1042	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 3,000 LB	608.26	98.52

23 21 13 23-1043 Straight Couplings, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1002)*

23 21 13 23-1044	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	30.91	18.48
23 21 13 23-1045	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	34.82	20.63
23 21 13 23-1046	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	40.48	23.05
23 21 13 23-1047	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	46.59	26.14
23 21 13 23-1048	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	54.16	29.41
23 21 13 23-1049	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	70.71	37.43
23 21 13 23-1050	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket, Weld, 3,000 LB	119.81	55.35
23 21 13 23-1051	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	159.98	72.81
23 21 13 23-1052	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 3,000 LB	218.32	78.04

23 21 13 23-1053 Reducing Couplings, 3,000 LB Carbon Steel Socket Weld *(23 21 13 23-1002)*

23 21 13 23-1054	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	32.66	18.48
23 21 13 23-1055	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	36.74	20.63
23 21 13 23-1056	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	43.56	23.05
23 21 13 23-1057	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	50.31	26.14
23 21 13 23-1058	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	59.67	29.41
23 21 13 23-1059	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	76.61	37.43
23 21 13 23-1060	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	132.79	55.35
23 21 13 23-1061	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	186.09	72.81
23 21 13 23-1062	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 3,000 LB	272.59	78.04

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1063		**Caps, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1002)*		
23 21 13 23-1064	EA	1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	18.12	8.68
23 21 13 23-1065	EA	3/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	20.57	9.24
23 21 13 23-1066	EA	1" Cap, Carbon Steel, Socket Weld, 3,000 LB	24.11	10.64
23 21 13 23-1067	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 3,000 LB	27.93	11.58
23 21 13 23-1068	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	31.83	11.58
23 21 13 23-1069	EA	2" Cap, Carbon Steel, Socket Weld, 3,000 LB	41.30	14.84
23 21 13 23-1070	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 3,000 LB	72.37	18.48
23 21 13 23-1071	EA	3" Cap, Carbon Steel, Socket Weld, 3,000 LB	103.92	22.31
23 21 13 23-1072	EA	4" Cap, Carbon Steel, Socket Weld, 3,000 LB	149.95	26.71
23 21 13 23-1073		**Black Cast Iron Square Head Plug** *(23 21 13 23-1002)*		
23 21 13 23-1074	EA	1/2" Square Head Plug, Black, Cast Iron	12.13	7.37
23 21 13 23-1075	EA	3/4" Square Head Plug, Black, Cast Iron	13.80	7.37
23 21 13 23-1076	EA	1" Square Head Plug, Black, Cast Iron	19.83	11.20
23 21 13 23-1077	EA	1-1/4" Square Head Plug, Black, Cast Iron	20.16	11.20
23 21 13 23-1078	EA	1-1/2" Square Head Plug, Black, Cast Iron	21.55	11.20
23 21 13 23-1079	EA	2" Square Head Plug, Black, Cast Iron	28.56	14.84
23 21 13 23-1080	EA	2-1/2" Square Head Plug, Black, Cast Iron	36.71	18.48
23 21 13 23-1081	EA	3" Square Head Plug, Black, Cast Iron	48.01	22.31
23 21 13 23-1082	EA	4" Square Head Plug, Black, Cast Iron	57.16	26.71
23 21 13 23-1083		**Unions, 3,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1002)*		
23 21 13 23-1084	EA	1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	52.81	23.05
23 21 13 23-1085	EA	3/4" Union, Carbon Steel, Socket Weld, 3,000 LB	58.61	26.60
23 21 13 23-1086	EA	1" Union, Carbon Steel, Socket Weld, 3,000 LB	74.51	31.45
23 21 13 23-1087	EA	1-1/4" Union, Carbon Steel, Socket Weld, 3,000 LB	93.83	37.43
23 21 13 23-1088	EA	1-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	113.00	44.61
23 21 13 23-1089	EA	2" Union, Carbon Steel, Socket Weld, 3,000 LB	141.21	55.35
23 21 13 23-1090	EA	2-1/2" Union, Carbon Steel, Socket Weld, 3,000 LB	239.33	60.11
23 21 13 23-1091	EA	3" Union, Carbon Steel, Socket Weld, 3,000 LB	320.58	72.81
23 21 13 23-1092		**Class 6,000 LB Carbon Steel Socket Weld Fittings** *(23 21 13 23-1001)* Note: ASTM A105		
23 21 13 23-1093		**90 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1092)*		
23 21 13 23-1094	EA	1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	38.56	18.48
23 21 13 23-1095	EA	3/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	43.43	20.63
23 21 13 23-1096	EA	1" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	57.57	23.05
23 21 13 23-1097	EA	1-1/4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	82.01	26.14
23 21 13 23-1098	EA	1-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	94.02	29.41
23 21 13 23-1099	EA	2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	129.33	37.43
23 21 13 23-1100	EA	2-1/2" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	268.86	55.35
23 21 13 23-1101	EA	3" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	386.65	72.81
23 21 13 23-1102	EA	4" 90 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	706.21	78.04
23 21 13 23-1103		**45 Degree Elbow, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1092)*		
23 21 13 23-1104	EA	1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	43.73	18.48
23 21 13 23-1105	EA	3/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	51.16	20.63
23 21 13 23-1106	EA	1" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	60.38	23.05
23 21 13 23-1107	EA	1-1/4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	85.89	26.14
23 21 13 23-1108	EA	1-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	102.10	29.41
23 21 13 23-1109	EA	2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	130.86	37.43
23 21 13 23-1110	EA	2-1/2" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	315.60	55.35
23 21 13 23-1111	EA	3" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	428.96	72.81
23 21 13 23-1112	EA	4" 45 Degree Elbow, Carbon Steel, Socket Weld, 6,000 LB	704.17	78.04
23 21 13 23-1113		**Straight Tees, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1092)*		
23 21 13 23-1114	EA	1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	50.17	23.05
23 21 13 23-1115	EA	3/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	62.42	26.60
23 21 13 23-1116	EA	1" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	87.00	31.45
23 21 13 23-1117	EA	1-1/4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	121.05	37.43
23 21 13 23-1118	EA	1-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	147.50	44.61
23 21 13 23-1119	EA	2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	199.95	55.35
23 21 13 23-1120	EA	2-1/2" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	390.80	72.81
23 21 13 23-1121	EA	3" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	552.51	86.43
23 21 13 23-1122	EA	4" Tee, Straight, Carbon Steel, Socket Weld, 6,000 LB	1,141.23	98.52
23 21 13 23-1123		**Reducing Tees, 6,000 LB Carbon Steel Socket Weld** *(23 21 13 23-1092)*		
23 21 13 23-1124	EA	1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	43.53	23.05
23 21 13 23-1125	EA	3/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	52.48	26.60
23 21 13 23-1126	EA	1" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	68.90	31.45
23 21 13 23-1127	EA	1-1/4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	92.32	37.43
23 21 13 23-1128	EA	1-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	111.71	44.61

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1129	EA	2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	148.23	55.35
23 21 13 23-1130	EA	2-1/2" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	266.16	72.81
23 21 13 23-1131	EA	3" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	364.69	86.43
23 21 13 23-1132	EA	4" Tee, Reducing, Carbon Steel, Socket Weld, 6,000 LB	608.26	98.52

23 21 13 23-1133 Straight Couplings, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1092)*

23 21 13 23-1134	EA	1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	32.48	18.48
23 21 13 23-1135	EA	3/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	36.68	20.63
23 21 13 23-1136	EA	1" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	43.34	23.05
23 21 13 23-1137	EA	1-1/4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	50.20	26.14
23 21 13 23-1138	EA	1-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	59.00	29.41
23 21 13 23-1139	EA	2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	77.80	37.43
23 21 13 23-1140	EA	2-1/2" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	137.63	55.35
23 21 13 23-1141	EA	3" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	184.56	72.81
23 21 13 23-1142	EA	4" Coupling, Straight, Carbon Steel, Socket Weld, 6,000 LB	267.35	78.04

23 21 13 23-1143 Reducing Couplings, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1092)*

23 21 13 23-1144	EA	1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	35.06	18.48
23 21 13 23-1145	EA	3/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	39.51	20.63
23 21 13 23-1146	EA	1" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	47.87	23.05
23 21 13 23-1147	EA	1-1/4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	55.67	26.14
23 21 13 23-1148	EA	1-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	67.13	29.41
23 21 13 23-1149	EA	2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	86.47	37.43
23 21 13 23-1150	EA	2-1/2" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	156.70	55.35
23 21 13 23-1151	EA	3" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	223.02	72.81
23 21 13 23-1152	EA	4" Coupling, Reducing, Carbon Steel, Socket Weld, 6,000 LB	347.30	78.04

23 21 13 23-1153 Caps, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1092)*

23 21 13 23-1154	EA	1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	21.57	8.68
23 21 13 23-1155	EA	3/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	25.10	9.24
23 21 13 23-1156	EA	1" Cap, Carbon Steel, Socket Weld, 6,000 LB	29.59	10.64
23 21 13 23-1157	EA	1-1/4" Cap, Carbon Steel, Socket Weld, 6,000 LB	35.07	11.58
23 21 13 23-1158	EA	1-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	41.60	11.58
23 21 13 23-1159	EA	2" Cap, Carbon Steel, Socket Weld, 6,000 LB	54.04	14.84
23 21 13 23-1160	EA	2-1/2" Cap, Carbon Steel, Socket Weld, 6,000 LB	102.39	18.48
23 21 13 23-1161	EA	3" Cap, Carbon Steel, Socket Weld, 6,000 LB	151.20	22.31
23 21 13 23-1162	EA	4" Cap, Carbon Steel, Socket Weld, 6,000 LB	223.67	26.71

23 21 13 23-1163 Black Cast Iron Square Head Plug *(23 21 13 23-1092)*

23 21 13 23-1164	EA	1/2" Square Head Plug, Black Cast Iron	12.13	7.37
23 21 13 23-1165	EA	3/4" Square Head Plug, Black Cast Iron	13.81	7.37
23 21 13 23-1166	EA	1" Square Head Plug, Black Cast Iron	19.85	11.20
23 21 13 23-1167	EA	1-1/4" Square Head Plug, Black Cast Iron	20.18	11.20
23 21 13 23-1168	EA	1-1/2" Square Head Plug, Black Cast Iron	21.57	11.20
23 21 13 23-1169	EA	2" Square Head Plug, Black Cast Iron	28.59	14.84
23 21 13 23-1170	EA	2-1/2" Square Head Plug, Black Cast Iron	36.76	18.48
23 21 13 23-1171	EA	3" Square Head Plug, Black Cast Iron	48.08	22.31
23 21 13 23-1172	EA	4" Square Head Plug, Black Cast Iron	57.25	26.71

23 21 13 23-1173 Unions, 6,000 LB Carbon Steel Socket Weld *(23 21 13 23-1092)*

23 21 13 23-1174	EA	1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	63.97	23.05
23 21 13 23-1175	EA	3/4" Union, Carbon Steel, Socket Weld, 6,000 LB	70.06	26.60
23 21 13 23-1176	EA	1" Union, Carbon Steel, Socket Weld, 6,000 LB	91.24	31.45
23 21 13 23-1177	EA	1-1/4" Union, Carbon Steel, Socket Weld, 6,000 LB	116.93	37.43
23 21 13 23-1178	EA	1-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	141.19	44.61
23 21 13 23-1179	EA	2" Union, Carbon Steel, Socket Weld, 6,000 LB	176.83	55.35
23 21 13 23-1180	EA	2-1/2" Union, Carbon Steel, Socket Weld, 6,000 LB	330.54	60.11
23 21 13 23-1181	EA	3" Union, Carbon Steel, Socket Weld, 6,000 LB	449.85	72.81

23 21 13 23-1182 Carbon Steel, Seamless Piping System *(23 21 13 23-1001)*

Note: ASTM A106 Excludes hangers or fittings. Demolition Note applies to all pipe demolition.

23 21 13 23-1183 Schedule 40, Carbon Steel, Seamless Piping *(23 21 13 23-1182)*

Note: ASTM A106 Excludes hangers, elbow, tee, or reducer fittings.

23 21 13 23-1184	LF	1/4" ASTM A106 Carbon Steel Pipe, Schedule 40	7.08	3.45
		For Schedule 80, Add	*0.68*	
23 21 13 23-1185	LF	1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	7.40	3.73
		For Schedule 80, Add	*0.63*	
		For Schedule 160, Add	*2.61*	
23 21 13 23-1186	LF	3/4" ASTM A106 Carbon Steel Pipe, Schedule 40	8.15	4.01
		For Schedule 80, Add	*0.77*	
		For Schedule 160, Add	*3.20*	
23 21 13 23-1187	LF	1" ASTM A106 Carbon Steel Pipe, Schedule 40	8.72	4.39
		For Schedule 80, Add	*0.79*	
		For Schedule 160, Add	*3.30*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1188	LF	1-1/2" ASTM A106 Carbon Steel Pipe, Schedule 40	11.36	5.42
		For Schedule 80, Add	*1.17*	
		For Schedule 160, Add	*4.86*	
23 21 13 23-1189	LF	2" ASTM A106 Carbon Steel Pipe, Schedule 40	14.08	6.53
		For Schedule 80, Add	*1.53*	
		For Schedule 160, Add	*6.39*	

23 21 13 23-1190 90 Degree Elbows, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1191	EA	1/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	25.77	14.19
23 21 13 23-1192	EA	1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	31.06	16.62
23 21 13 23-1193	EA	3/4" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	34.71	18.58
23 21 13 23-1194	EA	1" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	39.74	20.72
23 21 13 23-1195	EA	1-1/2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	62.00	26.51
23 21 13 23-1196	EA	2" 90 Degree Elbow, 2,000 LB, Screwed Carbon Steel	78.56	33.69
23 21 13 23-1197	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	27.20	14.19
23 21 13 23-1198	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	31.59	16.62
23 21 13 23-1199	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	36.48	18.58
23 21 13 23-1200	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	43.59	20.72
23 21 13 23-1201	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	71.19	26.51
23 21 13 23-1202	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	88.73	33.69
23 21 13 23-1203	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	36.60	16.62
23 21 13 23-1204	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	42.78	18.58
23 21 13 23-1205	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	50.21	20.72
23 21 13 23-1206	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	89.80	26.51
23 21 13 23-1207	EA	2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	138.09	33.69

23 21 13 23-1208 45 Degree Elbows, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1209	EA	1/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	28.79	14.19
23 21 13 23-1210	EA	1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	32.21	16.62
23 21 13 23-1211	EA	3/4" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	36.20	18.58
23 21 13 23-1212	EA	1" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	40.87	20.72
23 21 13 23-1213	EA	1-1/2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	58.32	26.51
23 21 13 23-1214	EA	2" 45 Degree Elbow, 2,000 LB, Screwed Carbon Steel	84.23	33.69
23 21 13 23-1215	EA	1/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	29.02	14.19
23 21 13 23-1216	EA	1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	33.52	16.62
23 21 13 23-1217	EA	3/4" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	37.71	18.58
23 21 13 23-1218	EA	1" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	44.80	20.72
23 21 13 23-1219	EA	1-1/2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	69.77	26.51
23 21 13 23-1220	EA	2" 45 Degree Elbow, 3,000 LB, Screwed Carbon Steel	91.90	33.69
23 21 13 23-1221	EA	1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	40.06	16.62
23 21 13 23-1222	EA	3/4" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	49.02	18.58
23 21 13 23-1223	EA	1" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	52.55	20.72
23 21 13 23-1224	EA	1-1/2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	103.08	26.51
23 21 13 23-1225	EA	2" 45 Degree Elbow, 6,000 LB, Screwed Carbon Steel	138.96	33.69

23 21 13 23-1226 Straight Tees, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1227	EA	1/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	34.33	19.69
23 21 13 23-1228	EA	1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	39.10	20.72
23 21 13 23-1229	EA	3/4" Tee, Straight, 2,000 LB, Screwed Carbon Steel	46.80	23.99
23 21 13 23-1230	EA	1" Tee, Straight, 2,000 LB, Screwed Carbon Steel	57.32	28.29
23 21 13 23-1231	EA	1-1/2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	91.56	40.14
23 21 13 23-1232	EA	2" Tee, Straight, 2,000 LB, Screwed Carbon Steel	113.52	49.85
23 21 13 23-1233	EA	1/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	35.55	19.69
23 21 13 23-1234	EA	1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	39.90	20.72
23 21 13 23-1235	EA	3/4" Tee, Straight, 3,000 LB, Screwed Carbon Steel	49.46	23.99
23 21 13 23-1236	EA	1" Tee, Straight, 3,000 LB, Screwed Carbon Steel	59.60	28.29
23 21 13 23-1237	EA	1-1/2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	99.45	40.14
23 21 13 23-1238	EA	2" Tee, Straight, 3,000 LB, Screwed Carbon Steel	126.58	49.85
23 21 13 23-1239	EA	1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	45.90	20.72
23 21 13 23-1240	EA	3/4" Tee, Straight, 6,000 LB, Screwed Carbon Steel	55.91	23.99
23 21 13 23-1241	EA	1" Tee, Straight, 6,000 LB, Screwed Carbon Steel	75.56	28.29
23 21 13 23-1242	EA	1-1/2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	117.58	40.14
23 21 13 23-1243	EA	2" Tee, Straight, 6,000 LB, Screwed Carbon Steel	184.37	49.85

23 21 13 23-1244 Crosses, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1245	EA	1/4" Cross, 2,000 LB, Screwed Carbon Steel	51.28	24.92
23 21 13 23-1246	EA	1/2" Cross, 2,000 LB, Screwed Carbon Steel	60.53	28.00
23 21 13 23-1247	EA	3/4" Cross, 2,000 LB, Screwed Carbon Steel	65.03	29.87
23 21 13 23-1248	EA	1" Cross, 2,000 LB, Screwed Carbon Steel	80.41	36.03
23 21 13 23-1249	EA	1-1/2" Cross, 2,000 LB, Screwed Carbon Steel	139.11	50.40
23 21 13 23-1250	EA	2" Cross, 2,000 LB, Screwed Carbon Steel	179.41	62.26
23 21 13 23-1251	EA	1/2" Cross, 3,000 LB, Screwed Carbon Steel	62.04	28.00
23 21 13 23-1252	EA	3/4" Cross, 3,000 LB, Screwed Carbon Steel	73.67	29.87
23 21 13 23-1253	EA	1" Cross, 3,000 LB, Screwed Carbon Steel	87.97	36.03
23 21 13 23-1254	EA	1-1/2" Cross, 3,000 LB, Screwed Carbon Steel	150.00	50.40
23 21 13 23-1255	EA	2" Cross, 3,000 LB, Screwed Carbon Steel	199.30	62.26
23 21 13 23-1256	EA	1/2" Cross, 6,000 LB, Screwed Carbon Steel	90.15	28.00

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1257	EA	3/4" Cross, 6,000 LB, Screwed Carbon Steel	150.40	29.87
23 21 13 23-1258	EA	1" Cross, 6,000 LB, Screwed Carbon Steel	206.20	36.03
23 21 13 23-1259	EA	1-1/2" Cross, 6,000 LB, Screwed Carbon Steel	325.81	50.40
23 21 13 23-1260	EA	2" Cross, 6,000 LB, Screwed Carbon Steel	357.39	62.26

23 21 13 23-1261 Straight Couplings, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1262	EA	1/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	23.96	14.19
23 21 13 23-1263	EA	1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	27.38	16.62
23 21 13 23-1264	EA	3/4" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	31.29	18.58
23 21 13 23-1265	EA	1" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	36.28	20.72
23 21 13 23-1266	EA	1-1/2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	52.72	26.51
23 21 13 23-1267	EA	2" Coupling, Straight, 3,000 LB, Screwed Carbon Steel	66.91	33.69
23 21 13 23-1268	EA	1/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	27.57	14.19
23 21 13 23-1269	EA	1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	29.66	16.62
23 21 13 23-1270	EA	3/4" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	33.04	18.58
23 21 13 23-1271	EA	1" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	38.61	20.72
23 21 13 23-1272	EA	1-1/2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	56.28	26.51
23 21 13 23-1273	EA	2" Coupling, Straight, 6,000 LB, Screwed Carbon Steel	79.93	33.69

23 21 13 23-1274 Reducing Couplings, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1275	EA	1/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	24.46	15.12
23 21 13 23-1276	EA	1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	28.56	16.62
23 21 13 23-1277	EA	3/4" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	33.10	18.58
23 21 13 23-1278	EA	1" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	38.78	20.72
23 21 13 23-1279	EA	1-1/2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	53.37	26.51
23 21 13 23-1280	EA	2" Coupling, Reducing, 3,000 LB, Screwed Carbon Steel	70.42	33.69
23 21 13 23-1281	EA	1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	74.71	16.62
23 21 13 23-1282	EA	3/4" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	77.68	18.58
23 21 13 23-1283	EA	1" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	90.74	20.72
23 21 13 23-1284	EA	1-1/2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	130.23	26.51
23 21 13 23-1285	EA	2" Coupling, Reducing, 6,000 LB, Screwed Carbon Steel	186.75	33.69

23 21 13 23-1286 Caps, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1287	EA	1/4" Cap, 3,000 LB, Screwed Carbon Steel	7.30	3.45
23 21 13 23-1288	EA	1/2" Cap, 3,000 LB, Screwed Carbon Steel	8.13	3.92
23 21 13 23-1289	EA	3/4" Cap, 3,000 LB, Screwed Carbon Steel	9.89	4.48
23 21 13 23-1290	EA	1" Cap, 3,000 LB, Screwed Carbon Steel	12.70	5.22
23 21 13 23-1291	EA	1-1/2" Cap, 3,000 LB, Screwed Carbon Steel	17.22	6.25
23 21 13 23-1292	EA	2" Cap, 3,000 LB, Screwed Carbon Steel	23.93	7.74
23 21 13 23-1293	EA	1/4" Cap, 6,000 LB, Screwed Carbon Steel	11.62	3.45
23 21 13 23-1294	EA	1/2" Cap, 6,000 LB, Screwed Carbon Steel	10.90	3.92
23 21 13 23-1295	EA	3/4" Cap, 6,000 LB, Screwed Carbon Steel	14.40	4.48
23 21 13 23-1296	EA	1" Cap, 6,000 LB, Screwed Carbon Steel	16.00	5.22
23 21 13 23-1297	EA	1-1/2" Cap, 6,000 LB, Screwed Carbon Steel	30.66	6.25
23 21 13 23-1298	EA	2" Cap, 6,000 LB, Screwed Carbon Steel	37.02	7.74

23 21 13 23-1299 Nipples, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1300	EA	1/4" Nipple, 2" Long, Screwed Carbon Steel	14.72	8.49
23 21 13 23-1301	EA	1/2" Nipple, 2" Long, Screwed Carbon Steel	14.97	8.86
23 21 13 23-1302	EA	3/4" Nipple, 2" Long, Screwed Carbon Steel	14.86	8.86
23 21 13 23-1303	EA	1" Nipple, 2" Long, Screwed Carbon Steel	16.55	9.61
23 21 13 23-1304	EA	1-1/2" Nipple, 2" Long, Screwed Carbon Steel	18.86	10.36
23 21 13 23-1305	EA	2" Nipple, 2" Long, Screwed Carbon Steel	22.57	13.35
23 21 13 23-1306	EA	1/4" Nipple, 4" Long, Screwed Carbon Steel	15.54	8.49
23 21 13 23-1307	EA	1/2" Nipple, 4" Long, Screwed Carbon Steel	15.63	8.86
23 21 13 23-1308	EA	3/4" Nipple, 4" Long, Screwed Carbon Steel	15.60	8.86
23 21 13 23-1309	EA	1" Nipple, 4" Long, Screwed Carbon Steel	17.55	9.61
23 21 13 23-1310	EA	1-1/2" Nipple, 4" Long, Screwed Carbon Steel	20.64	10.36
23 21 13 23-1311	EA	2" Nipple, 4" Long, Screwed Carbon Steel	25.18	13.35
23 21 13 23-1312	EA	1/4" Nipple, 6" Long, Screwed Carbon Steel	17.52	8.49
23 21 13 23-1313	EA	1/2" Nipple, 6" Long, Screwed Carbon Steel	16.67	8.86
23 21 13 23-1314	EA	3/4" Nipple, 6" Long, Screwed Carbon Steel	16.76	8.86
23 21 13 23-1315	EA	1" Nipple, 6" Long, Screwed Carbon Steel	18.98	9.61
23 21 13 23-1316	EA	1-1/2" Nipple, 6" Long, Screwed Carbon Steel	23.08	10.36
23 21 13 23-1317	EA	2" Nipple, 6" Long, Screwed Carbon Steel	27.33	13.35

23 21 13 23-1318 Unions, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1319	EA	1/4" Union, 3,000 LB, Screwed Carbon Steel	30.92	20.63
23 21 13 23-1320	EA	1/2" Union, 3,000 LB, Screwed Carbon Steel	32.52	20.72
23 21 13 23-1321	EA	3/4" Union, 3,000 LB, Screwed Carbon Steel	37.35	23.99
23 21 13 23-1322	EA	1" Union, 3,000 LB, Screwed Carbon Steel	44.54	28.29
23 21 13 23-1323	EA	1-1/2" Union, 3,000 LB, Screwed Carbon Steel	63.79	40.14
23 21 13 23-1324	EA	2" Union, 3,000 LB, Screwed Carbon Steel	79.18	49.85
23 21 13 23-1325	EA	1/4" Union, 6,000 LB, Screwed Carbon Steel	50.06	20.63
23 21 13 23-1326	EA	1/2" Union, 6,000 LB, Screwed Carbon Steel	55.66	20.72

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1327	EA	3/4" Union, 6,000 LB, Screwed Carbon Steel	65.37	23.99
23 21 13 23-1328	EA	1" Union, 6,000 LB, Screwed Carbon Steel	79.07	28.29
23 21 13 23-1329	EA	1-1/2" Union, 6,000 LB, Screwed Carbon Steel	134.39	40.14
23 21 13 23-1330	EA	2" Union, 6,000 LB, Screwed Carbon Steel	166.08	49.85

23 21 13 23-1331 Weld Neck Flanges, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1332	EA	1/2" Flange, 150 LB, Screwed Carbon Steel	68.02	38.55
23 21 13 23-1333	EA	3/4" Flange, 150 LB, Screwed Carbon Steel	71.14	40.42
23 21 13 23-1334	EA	1" Flange, 150 LB, Screwed Carbon Steel	73.77	42.19
23 21 13 23-1335	EA	1-1/2" Flange, 150 LB, Screwed Carbon Steel	82.13	47.51
23 21 13 23-1336	EA	2" Flange, 150 LB, Screwed Carbon Steel	85.23	49.56
23 21 13 23-1337	EA	1/2" Flange, 300 LB, Screwed Carbon Steel	68.66	38.55
		For Ring Type Joint, Add	*10.82*	
		For Blind Flange, Deduct	*-25.30*	
23 21 13 23-1338	EA	3/4" Flange, 300 LB, Screwed Carbon Steel	71.83	40.42
		For Ring Type Joint, Add	*11.19*	
		For Blind Flange, Deduct	*-26.49*	
23 21 13 23-1339	EA	1" Flange, 300 LB, Screwed Carbon Steel	74.81	42.19
		For Ring Type Joint, Add	*11.54*	
		For Blind Flange, Deduct	*-27.62*	
23 21 13 23-1340	EA	1-1/2" Flange, 300 LB, Screwed Carbon Steel	84.61	47.51
		For Ring Type Joint, Add	*13.35*	
		For Blind Flange, Deduct	*-31.17*	
23 21 13 23-1341	EA	2" Flange, 300 LB, Screwed Carbon Steel	87.71	49.56
		For Ring Type Joint, Add	*13.35*	
		For Blind Flange, Deduct	*-32.41*	
23 21 13 23-1342	EA	1/2" Flange, 600 LB, Screwed Carbon Steel	72.92	38.55
		For Ring Type Joint, Add	*15.08*	
		For Blind Flange, Deduct	*-26.15*	
23 21 13 23-1343	EA	3/4" Flange, 600 LB, Screwed Carbon Steel	75.72	40.42
		For Ring Type Joint, Add	*15.08*	
		For Blind Flange, Deduct	*-27.27*	
23 21 13 23-1344	EA	1" Flange, 600 LB, Screwed Carbon Steel	79.04	42.19
		For Ring Type Joint, Add	*15.77*	
		For Blind Flange, Deduct	*-28.46*	
23 21 13 23-1345	EA	1-1/2" Flange, 600 LB, Screwed Carbon Steel	89.85	47.51
		For Ring Type Joint, Add	*18.59*	
		For Blind Flange, Deduct	*-32.22*	
23 21 13 23-1346	EA	2" Flange, 600 LB, Screwed Carbon Steel	91.66	49.56
		For Ring Type Joint, Add	*17.30*	
		For Blind Flange, Deduct	*-33.20*	

23 21 13 23-1347 Square Head Plugs, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1348	EA	1/4" Square Head Plug, Screwed Carbon Steel	4.86	2.61
23 21 13 23-1349	EA	1/2" Square Head Plug, Screwed Carbon Steel	5.82	3.08
23 21 13 23-1350	EA	3/4" Square Head Plug, Screwed Carbon Steel	6.75	3.55
23 21 13 23-1351	EA	1" Square Head Plug, Screwed Carbon Steel	9.83	5.22
23 21 13 23-1352	EA	1-1/2" Square Head Plug, Screwed Carbon Steel	12.35	5.22
23 21 13 23-1353	EA	2" Square Head Plug, Screwed Carbon Steel	17.75	6.82

23 21 13 23-1354 Hex Head Plugs, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1355	EA	1/4" Hex Head Plug, Screwed Carbon Steel	4.61	2.61
23 21 13 23-1356	EA	1/2" Hex Head Plug, Screwed Carbon Steel	5.59	3.08
23 21 13 23-1357	EA	3/4" Hex Head Plug, Screwed Carbon Steel	6.60	3.55
23 21 13 23-1358	EA	1" Hex Head Plug, Screwed Carbon Steel	9.70	5.22
23 21 13 23-1359	EA	1-1/2" Hex Head Plug, Screwed Carbon Steel	11.79	5.22
23 21 13 23-1360	EA	2" Hex Head Plug, Screwed Carbon Steel	18.14	6.82

23 21 13 23-1361 Round Head Plugs, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1362	EA	1/4" Round Head Plug, Screwed Carbon Steel	5.43	2.61
23 21 13 23-1363	EA	1/2" Round Head Plug, Screwed Carbon Steel	5.86	3.08
23 21 13 23-1364	EA	3/4" Round Head Plug, Screwed Carbon Steel	6.64	3.55
23 21 13 23-1365	EA	1" Round Head Plug, Screwed Carbon Steel	9.92	5.22
23 21 13 23-1366	EA	1-1/2" Round Head Plug, Screwed Carbon Steel	13.04	5.22
23 21 13 23-1367	EA	2" Round Head Plug, Screwed Carbon Steel	17.99	6.82

23 21 13 23-1368 Hexagon Bushings, Screwed Carbon Steel *(23 21 13 23-1182)*

23 21 13 23-1369	EA	1/4" Hex Bushing, Screwed Carbon Steel	4.80	2.61
23 21 13 23-1370	EA	1/2" Hex Bushing, Screwed Carbon Steel	5.58	3.08
23 21 13 23-1371	EA	3/4" Hex Bushing, Screwed Carbon Steel	6.53	3.55
23 21 13 23-1372	EA	1" Hex Bushing, Screwed Carbon Steel	9.88	5.22
23 21 13 23-1373	EA	1-1/2" Hex Bushing, Screwed Carbon Steel	11.75	5.22
23 21 13 23-1374	EA	2" Hex Bushing, Screwed Carbon Steel	17.56	6.82

23 21 13 23-1375 90 Degree Street Elbows, Screwed Carbon Steel *(23 21 13 23-1182)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1376	EA	1/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	30.35	14.19
23 21 13 23-1377	EA	1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	34.65	16.62
23 21 13 23-1378	EA	3/4" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	40.41	18.58
23 21 13 23-1379	EA	1" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	47.16	20.72
23 21 13 23-1380	EA	1-1/2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	74.08	26.51
23 21 13 23-1381	EA	2" 90 Degree Elbow, 3,000 LB, Screwed Carbon Steel	99.52	33.69
23 21 13 23-1382	EA	1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	47.73	16.62
23 21 13 23-1383	EA	3/4" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	67.00	18.58
23 21 13 23-1384	EA	1" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	91.66	20.72
23 21 13 23-1385	EA	1-1/2" 90 Degree Elbow, 6,000 LB, Screwed Carbon Steel	196.49	26.51

23 21 13 23-1386 Screwed Carbon Steel Laterals *(23 21 13 23-1182)*

23 21 13 23-1387	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	121.19	20.72
23 21 13 23-1388	EA	3/4" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	145.57	23.99
23 21 13 23-1389	EA	1" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	177.94	28.29
23 21 13 23-1390	EA	1-1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	229.43	40.14
23 21 13 23-1391	EA	2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	286.19	49.85
23 21 13 23-1392	EA	1/2" Lateral, Straight, 3,000 LB, Screwed Carbon Steel	151.75	20.72
23 21 13 23-1393	EA	3/4" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	191.01	23.99
23 21 13 23-1394	EA	1" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	226.52	28.29
23 21 13 23-1395	EA	1-1/2" Lateral, Straight, 6,000 LB, Screwed Carbon Steel	318.75	40.14

23 21 13 23-1396 Grooved-Joint Pipe *(23 21 13 23)*

Note: Includes grooving of pipe. Excludes hangers, elbow, tee, reducer fitting or couplings.

23 21 13 23-1397 Schedule 10 Black Grooved Pipe *(23 21 13 23-1396)*

23 21 13 23-1398	LF	2" Black Schedule 10 Grooved Pipe	27.21	11.85
23 21 13 23-1399	LF	2-1/2" Black Schedule 10 Grooved Pipe	36.65	16.25
23 21 13 23-1400	LF	3" Black Schedule 10 Grooved Pipe	41.20	18.01
23 21 13 23-1401	LF	3-1/2" Black Schedule 10 Grooved Pipe	46.19	18.67
23 21 13 23-1402	LF	4" Black Schedule 10 Grooved Pipe	48.97	20.26
23 21 13 23-1403	LF	5" Black Schedule 10 Grooved Pipe	69.90	24.83
23 21 13 23-1404	LF	6" Black Schedule 10 Grooved Pipe	89.47	35.29
23 21 13 23-1405	LF	8" Black Schedule 10 Grooved Pipe	123.96	39.57
23 21 13 23-1406	LF	10" Black Schedule 10 Grooved Pipe	155.77	47.70
23 21 13 23-1407	LF	12" Black Schedule 10 Grooved Pipe	179.90	54.04

23 21 13 23-1408 Schedule 40 Black Grooved Pipe *(23 21 13 23-1396)*

23 21 13 23-1409	LF	3/4" Black Schedule 40 Grooved Pipe	16.30	7.19
23 21 13 23-1410	LF	1" Black Schedule 40 Grooved Pipe	18.41	8.12
23 21 13 23-1411	LF	1-1/4" Black Schedule 40 Grooved Pipe	21.02	8.77
23 21 13 23-1412	LF	1-1/2" Black Schedule 40 Grooved Pipe	23.91	9.98
23 21 13 23-1413	LF	2" Black Schedule 40 Grooved Pipe	30.12	12.70
23 21 13 23-1414	LF	2-1/2" Black Schedule 40 Grooved Pipe	42.01	17.37
23 21 13 23-1415	LF	3" Black Schedule 40 Grooved Pipe	49.72	19.79
23 21 13 23-1416	LF	4" Black Schedule 40 Grooved Pipe	61.45	22.02
23 21 13 23-1417	LF	5" Black Schedule 40 Grooved Pipe	85.30	26.78
23 21 13 23-1418	LF	6" Black Schedule 40 Grooved Pipe	114.24	38.64
23 21 13 23-1419	LF	8" Black Schedule 40 Grooved Pipe	153.15	43.78
23 21 13 23-1420	LF	10" Black Schedule 40 Grooved Pipe	212.71	52.27
23 21 13 23-1421	LF	12" Black Schedule 40 Grooved Pipe	250.87	60.02
23 21 13 23-1422	LF	14" Black Schedule 40 Grooved Pipe	330.80	81.11
23 21 13 23-1423	LF	16" Black Schedule 40 Grooved Pipe	383.48	95.39
23 21 13 23-1424	LF	18" Black Schedule 40 Grooved Pipe	476.57	115.84
23 21 13 23-1425	LF	20" Black Schedule 40 Grooved Pipe	549.23	135.06
23 21 13 23-1426	LF	24" Black Schedule 40 Grooved Pipe	720.92	162.13

23 21 13 23-1427 Schedule 80 Black Grooved Pipe *(23 21 13 23-1396)*

23 21 13 23-1428	LF	3/4" Black Schedule 80 Grooved Pipe	17.86	7.84
23 21 13 23-1429	LF	1" Black Schedule 80 Grooved Pipe	19.90	8.31
23 21 13 23-1430	LF	1-1/4" Black Schedule 80 Grooved Pipe	23.48	9.24
23 21 13 23-1431	LF	1-1/2" Black Schedule 80 Grooved Pipe	26.75	10.36
23 21 13 23-1432	LF	2" Black Schedule 80 Grooved Pipe	34.62	13.35
23 21 13 23-1433	LF	2-1/2" Black Schedule 80 Grooved Pipe	48.85	18.38
23 21 13 23-1434	LF	3" Black Schedule 80 Grooved Pipe	58.52	20.63
23 21 13 23-1435	LF	4" Black Schedule 80 Grooved Pipe	74.19	22.50
23 21 13 23-1436	LF	5" Black Schedule 80 Grooved Pipe	114.52	28.29
23 21 13 23-1437	LF	6" Black Schedule 80 Grooved Pipe	148.37	40.51
23 21 13 23-1438	LF	8" Black Schedule 80 Grooved Pipe	224.86	46.30
23 21 13 23-1439	LF	10" Black Schedule 80 Grooved Pipe	280.20	55.91
23 21 13 23-1440	LF	12" Black Schedule 80 Grooved Pipe	293.42	67.58

23 21 13 23-1441 Schedule 40 Galvanized Grooved Pipe *(23 21 13 23-1396)*

23 21 13 23-1442	LF	3/4" Galvanized Schedule 40 Grooved Pipe	16.89	7.19
23 21 13 23-1443	LF	1" Galvanized Schedule 40 Grooved Pipe	19.64	8.12
23 21 13 23-1444	LF	1-1/4" Galvanized Schedule 40 Grooved Pipe	21.95	8.77

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1445	LF	1-1/2" Galvanized Schedule 40 Grooved Pipe	24.99	9.98
23 21 13 23-1446	LF	2" Galvanized Schedule 40 Grooved Pipe	31.57	12.70
23 21 13 23-1447	LF	2-1/2" Galvanized Schedule 40 Grooved Pipe	44.34	17.37
23 21 13 23-1448	LF	3" Galvanized Schedule 40 Grooved Pipe	52.84	19.79
23 21 13 23-1449	LF	4" Galvanized Schedule 40 Grooved Pipe	65.86	22.02
23 21 13 23-1450	LF	5" Galvanized Schedule 40 Grooved Pipe	93.61	26.78
23 21 13 23-1451	LF	6" Galvanized Schedule 40 Grooved Pipe	125.59	38.64
23 21 13 23-1452	LF	8" Galvanized Schedule 40 Grooved Pipe	168.76	43.78
23 21 13 23-1453	LF	10" Galvanized Schedule 40 Grooved Pipe	240.35	52.27
23 21 13 23-1454	LF	12" Galvanized Schedule 40 Grooved Pipe	284.35	60.02

23 21 13 23-1455 Schedule 80 Galvanized Grooved Pipe *(23 21 13 23-1396)*

23 21 13 23-1456	LF	3/4" Galvanized Schedule 80 Grooved Pipe	18.11	7.84
23 21 13 23-1457	LF	1" Galvanized Schedule 80 Grooved Pipe	24.09	8.31
23 21 13 23-1458	LF	1-1/4" Galvanized Schedule 80 Grooved Pipe	24.15	9.24
23 21 13 23-1459	LF	1-1/2" Galvanized Schedule 80 Grooved Pipe	31.84	11.01
23 21 13 23-1460	LF	2" Galvanized Schedule 80 Grooved Pipe	35.79	13.35
23 21 13 23-1461	LF	2-1/2" Galvanized Schedule 80 Grooved Pipe	50.82	18.38
23 21 13 23-1462	LF	3" Galvanized Schedule 80 Grooved Pipe	61.50	20.63
23 21 13 23-1463	LF	4" Galvanized Schedule 80 Grooved Pipe	78.31	22.50
23 21 13 23-1464	LF	5" Galvanized Schedule 80 Grooved Pipe	119.36	28.29
23 21 13 23-1465	LF	6" Galvanized Schedule 80 Grooved Pipe	153.73	40.51
23 21 13 23-1466	LF	8" Galvanized Schedule 80 Grooved Pipe	233.57	46.30
23 21 13 23-1467	LF	10" Galvanized Schedule 80 Grooved Pipe	277.78	55.91
23 21 13 23-1468	LF	12" Galvanized Schedule 80 Grooved Pipe	303.27	67.58

23 21 13 23-1469 Painted Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-1470 Grooved Elbows *(23 21 13 23-1469)*

23 21 13 23-1471 90 Degree Grooved Elbows *(23 21 13 23-1470)*

Note: Victaulic No. 10

23 21 13 23-1472	EA	3/4" 90 Degree Elbow, Ductile Iron, Grooved	101.21	10.18
		For Galvanized Fittings, Add	*28.37*	
23 21 13 23-1473	EA	1" 90 Degree Elbow, Ductile Iron, Grooved	101.21	10.18
		For Galvanized Fittings, Add	*28.37*	
23 21 13 23-1474	EA	1-1/4" 90 Degree Elbow, Ductile Iron, Grooved	105.02	12.70
		For Galvanized Fittings, Add	*28.37*	
23 21 13 23-1475	EA	1-1/2" 90 degree Elbow, Ductile Iron, Grooved	109.07	15.40
		For Galvanized Fittings, Add	*28.37*	
23 21 13 23-1476	EA	2" 90 Degree Elbow, Ductile Iron, Grooved	116.47	20.35
		For Galvanized Fittings, Add	*28.37*	
23 21 13 23-1477	EA	2-1/2" 90 Degree Elbow, Ductile Iron, Grooved	123.12	24.83
		For Galvanized Fittings, Add	*28.37*	
23 21 13 23-1478	EA	3" 90 Degree Elbow, Ductile Iron, Grooved	197.75	30.05
		For Galvanized Fittings, Add	*50.39*	
23 21 13 23-1479	EA	4" 90 Degree Elbow, Ductile Iron, Grooved	225.78	39.67
		For Galvanized Fittings, Add	*54.89*	
23 21 13 23-1480	EA	5" 90 Degree Elbow, Ductile Iron, Grooved	479.19	49.56
		For Galvanized Fittings, Add	*133.61*	
23 21 13 23-1481	EA	6" 90 Degree Elbow, Ductile Iron, Grooved	567.76	64.87
		For Galvanized Fittings, Add	*155.27*	
23 21 13 23-1482	EA	8" 90 Degree Elbow, Ductile Iron, Grooved	1,106.06	77.20
		For Galvanized Fittings, Add	*326.80*	
23 21 13 23-1483	EA	10" 90 Degree Elbow, Ductile Iron, Grooved	1,677.95	90.07
		For Galvanized Fittings, Add	*509.16*	
23 21 13 23-1484	EA	12" 90 Degree Elbow, Ductile Iron, Grooved	2,635.08	108.08
		For Galvanized Fittings, Add	*816.10*	
23 21 13 23-1485	EA	14" 90 Degree Elbow, Steel, Grooved	5,325.97	121.99
		For Galvanized Fittings, Add	*1,697.20*	
23 21 13 23-1486	EA	16" 90 Degree Elbow, Steel, Grooved	6,932.23	135.06
		For Galvanized Fittings, Add	*2,220.80*	
23 21 13 23-1487	EA	18" 90 Degree Elbow, Steel, Grooved	8,756.42	147.57
		For Galvanized Fittings, Add	*2,816.62*	
23 21 13 23-1488	EA	20" 90 Degree Elbow, Steel, Grooved	11,446.28	153.45
		For Galvanized Fittings, Add	*3,701.33*	
23 21 13 23-1489	EA	24" 90 Degree Elbow, Steel, Grooved	16,412.28	181.45
		For Galvanized Fittings, Add	*5,326.31*	

23 21 13 23-1490 45 Degree Grooved Elbows *(23 21 13 23-1470)*

Note: Victaulic No. 11

23 21 13 23-1491	EA	3/4" 45 Degree Elbow, Ductile Iron, Grooved	101.15	10.18
		For Galvanized Fittings, Add	*20.62*	
23 21 13 23-1492	EA	1" 45 Degree Elbow, Ductile Iron, Grooved	101.15	10.18
		For Galvanized Fittings, Add	*20.62*	
23 21 13 23-1493	EA	1-1/4" 45 Degree Elbow, Ductile Iron, Grooved	104.96	12.70
		For Galvanized Fittings, Add	*20.62*	
23 21 13 23-1494	EA	1-1/2" 45 degree Elbow, Ductile Iron, Grooved	109.01	15.40
		For Galvanized Fittings, Add	*20.62*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1495	EA	2" 45 Degree Elbow, Ductile Iron, Grooved	116.41	20.35
		For Galvanized Fittings, Add	*20.62*	
23 21 13 23-1496	EA	2-1/2" 45 Degree Elbow, Ductile Iron, Grooved	123.06	24.83
		For Galvanized Fittings, Add	*20.62*	
23 21 13 23-1497	EA	3" 45 Degree Elbow, Ductile Iron, Grooved	197.69	30.05
		For Galvanized Fittings, Add	*36.64*	
23 21 13 23-1498	EA	4" 45 Degree Elbow, Ductile Iron, Grooved	225.78	39.67
		For Galvanized Fittings, Add	*39.92*	
23 21 13 23-1499	EA	5" 45 Degree Elbow, Ductile Iron, Grooved	479.19	49.56
		For Galvanized Fittings, Add	*97.17*	
23 21 13 23-1500	EA	6" 45 Degree Elbow, Ductile Iron, Grooved	567.76	64.87
		For Galvanized Fittings, Add	*112.93*	
23 21 13 23-1501	EA	8" 45 Degree Elbow, Ductile Iron, Grooved	1,106.06	77.20
		For Galvanized Fittings, Add	*237.67*	
23 21 13 23-1502	EA	10" 45 Degree Elbow, Ductile Iron, Grooved	1,677.95	90.07
		For Galvanized Fittings, Add	*370.30*	
23 21 13 23-1503	EA	12" 45 Degree Elbow, Ductile Iron, Grooved	2,635.08	108.08
		For Galvanized Fittings, Add	*593.53*	
23 21 13 23-1504	EA	14" 45 Degree Elbow, Steel, Grooved	5,325.97	121.99
		For Galvanized Fittings, Add	*1,234.32*	
23 21 13 23-1505	EA	16" 45 Degree Elbow, Steel, Grooved	6,932.23	135.06
		For Galvanized Fittings, Add	*1,615.13*	
23 21 13 23-1506	EA	18" 45 Degree Elbow, Steel, Grooved	8,756.42	147.57
		For Galvanized Fittings, Add	*2,048.45*	
23 21 13 23-1507	EA	20" 45 Degree Elbow, Steel, Grooved	11,446.70	153.73
		For Galvanized Fittings, Add	*2,691.88*	
23 21 13 23-1508	EA	24" 45 Degree Elbow, Steel, Grooved	16,412.28	181.45
		For Galvanized Fittings, Add	*3,873.68*	

23 21 13 23-1509 22-1/2 Degree Grooved Elbows *(23 21 13 23-1470)*

Note: Victaulic No. 12

23 21 13 23-1510	EA	1" 22-1/2 Degree Elbow, Ductile Iron, Grooved	106.81	10.18
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1511	EA	1-1/4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	110.62	12.70
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1512	EA	1-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	114.67	15.40
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1513	EA	2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	122.07	20.35
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1514	EA	2-1/2" 22-1/2 Degree Elbow, Ductile Iron, Grooved	128.72	24.83
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1515	EA	3" 22-1/2 Degree Elbow, Ductile Iron, Grooved	178.95	30.05
		For Galvanized Fittings, Add	*32.14*	
23 21 13 23-1516	EA	4" 22-1/2 Degree Elbow, Ductile Iron, Grooved	239.01	39.67
		For Galvanized Fittings, Add	*43.09*	
23 21 13 23-1517	EA	5" 22-1/2 Degree Elbow, Steel, Grooved	631.14	49.56
		For Galvanized Fittings, Add	*133.64*	
23 21 13 23-1518	EA	6" 22-1/2 Degree Elbow, Ductile Iron, Grooved	605.92	64.87
		For Galvanized Fittings, Add	*122.09*	
23 21 13 23-1519	EA	8" 22-1/2 Degree Elbow, Ductile Iron, Grooved	1,180.09	77.20
		For Galvanized Fittings, Add	*255.44*	
23 21 13 23-1520	EA	10" 22-1/2 Degree Elbow, Steel, Grooved	1,596.25	90.07
		For Galvanized Fittings, Add	*350.69*	
23 21 13 23-1521	EA	12" 22-1/2 Degree Elbow, Steel, Grooved	2,137.47	108.08
		For Galvanized Fittings, Add	*474.10*	
23 21 13 23-1522	EA	14" 22-1/2 Degree Elbow, Steel, Grooved	2,464.61	121.99
		For Galvanized Fittings, Add	*547.60*	
23 21 13 23-1523	EA	16" 22-1/2 Degree Elbow, Steel, Grooved	2,939.08	135.06
		For Galvanized Fittings, Add	*656.77*	
23 21 13 23-1524	EA	18" 22-1/2 Degree Elbow, Steel, Grooved	3,535.36	147.57
		For Galvanized Fittings, Add	*795.40*	
23 21 13 23-1525	EA	20" 22-1/2 Degree Elbow, Steel, Grooved	4,148.34	153.45
		For Galvanized Fittings, Add	*940.37*	
23 21 13 23-1526	EA	24" 22-1/2 Degree Elbow, Steel, Grooved	5,537.20	181.45
		For Galvanized Fittings, Add	*1,263.66*	

23 21 13 23-1527 11-1/4 Degree Grooved Elbows *(23 21 13 23-1470)*

Note: Victaulic No. 13

23 21 13 23-1528	EA	1" 11-1/4 Degree Elbow, Ductile Iron, Grooved	106.81	10.18
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1529	EA	1-1/4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	110.62	12.70
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1530	EA	1-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	114.67	15.40
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1531	EA	2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	122.07	20.35
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1532	EA	2-1/2" 11-1/4 Degree Elbow, Ductile Iron, Grooved	128.72	24.83
		For Galvanized Fittings, Add	*21.97*	
23 21 13 23-1533	EA	3" 11-1/4 Degree Elbow, Ductile Iron, Grooved	178.94	30.05
		For Galvanized Fittings, Add	*32.14*	
23 21 13 23-1534	EA	4" 11-1/4 Degree Elbow, Ductile Iron, Grooved	239.00	39.67
		For Galvanized Fittings, Add	*43.09*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1535	EA	5" 11-1/4 Degree Elbow, Steel, Grooved	631.12	49.56
		For Galvanized Fittings, Add	*133.63*	
23 21 13 23-1536	EA	6" 11-1/4 Degree Elbow, Ductile Iron, Grooved	605.89	64.87
		For Galvanized Fittings, Add	*122.08*	
23 21 13 23-1537	EA	8" 11-1/4 Degree Elbow, Ductile Iron, Grooved	1,180.02	77.20
		For Galvanized Fittings, Add	*255.42*	
23 21 13 23-1538	EA	10" 11-1/4 Degree Elbow, Steel, Grooved	1,596.17	90.07
		For Galvanized Fittings, Add	*350.67*	
23 21 13 23-1539	EA	12" 11-1/4 Degree Elbow, Steel, Grooved	2,137.36	108.08
		For Galvanized Fittings, Add	*474.07*	
23 21 13 23-1540	EA	14" 11-1/4 Degree Elbow, Steel, Grooved	2,464.49	121.99
		For Galvanized Fittings, Add	*547.57*	
23 21 13 23-1541	EA	16" 11-1/4 Degree Elbow, Steel, Grooved	2,938.96	135.15
		For Galvanized Fittings, Add	*656.73*	
23 21 13 23-1542	EA	18" 11-1/4 Degree Elbow, Steel, Grooved	3,535.16	147.57
		For Galvanized Fittings, Add	*795.36*	
23 21 13 23-1543	EA	20" 11-1/4 Degree Elbow, Steel, Grooved	4,148.12	153.45
		For Galvanized Fittings, Add	*940.32*	
23 21 13 23-1544	EA	24" 11-1/4 Degree Elbow, Steel, Grooved	5,536.92	181.45
		For Galvanized Fittings, Add	*1,263.59*	

23 21 13 23-1545 90 Degree Grooved Long Radius Elbows *(23 21 13 23-1470)*

Note: Victaulic No. 100

23 21 13 23-1546	EA	2" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	227.03	20.35
		For Galvanized Fittings, Add	*47.16*	
23 21 13 23-1547	EA	2-1/2" 90 Degree Long Radius Elbow, Steel, Grooved	607.40	24.83
		For Galvanized Fittings, Add	*136.86*	
23 21 13 23-1548	EA	3" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	241.56	30.05
		For Galvanized Fittings, Add	*47.16*	
23 21 13 23-1549	EA	4" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	353.84	39.67
		For Galvanized Fittings, Add	*70.65*	
23 21 13 23-1550	EA	5" 90 Degree Long Radius Elbow, Steel Grooved	1,583.23	49.56
		For Galvanized Fittings, Add	*362.14*	
23 21 13 23-1551	EA	6" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	958.44	64.87
		For Galvanized Fittings, Add	*206.69*	
23 21 13 23-1552	EA	8" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	2,181.49	77.20
		For Galvanized Fittings, Add	*495.78*	
23 21 13 23-1553	EA	10" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	4,418.19	90.07
		For Galvanized Fittings, Add	*1,027.96*	
23 21 13 23-1554	EA	12" 90 Degree Long Radius Elbow, Ductile Iron, Grooved	5,269.71	108.08
		For Galvanized Fittings, Add	*1,225.84*	

23 21 13 23-1555 Grooved Tees, Wyes And Crosses *(23 21 13 23-1469)*

23 21 13 23-1556 Grooved Tees *(23 21 13 23-1555)*

Note: Victaulic No. 20

23 21 13 23-1557	EA	3/4" Tee, Ductile Iron, Grooved	151.42	13.35
		For Galvanized Fittings, Add	*39.41*	
23 21 13 23-1558	EA	1" Tee, Ductile Iron, Grooved	154.46	15.40
		For Galvanized Fittings, Add	*39.41*	
23 21 13 23-1559	EA	1-1/4" Tee, Ductile Iron, Grooved	159.60	18.86
		For Galvanized Fittings, Add	*39.41*	
23 21 13 23-1560	EA	1-1/2" Tee, Ductile Iron, Grooved	166.01	23.14
		For Galvanized Fittings, Add	*39.41*	
23 21 13 23-1561	EA	2" Tee, Ductile Iron, Grooved	176.21	29.96
		For Galvanized Fittings, Add	*39.41*	
23 21 13 23-1562	EA	2-1/2" Tee, Ductile Iron, Grooved	186.40	36.69
		For Galvanized Fittings, Add	*39.41*	
23 21 13 23-1563	EA	3" Tee, Ductile Iron, Grooved	251.56	45.09
		For Galvanized Fittings, Add	*55.20*	
23 21 13 23-1564	EA	4" Tee, Ductile Iron, Grooved	369.68	58.34
		For Galvanized Fittings, Add	*84.68*	
23 21 13 23-1565	EA	5" Tee, Ductile Iron, Grooved	776.53	76.26
		For Galvanized Fittings, Add	*198.66*	
23 21 13 23-1566	EA	6" Tee, Ductile Iron, Grooved	908.32	95.39
		For Galvanized Fittings, Add	*229.60*	
23 21 13 23-1567	EA	8" Tee, Ductile Iron, Grooved	1,845.41	115.84
		For Galvanized Fittings, Add	*501.54*	
23 21 13 23-1568	EA	10" Tee, Ductile Iron, Grooved	3,187.89	135.06
		For Galvanized Fittings, Add	*895.60*	
23 21 13 23-1569	EA	12" Tee, Ductile Iron, Grooved	4,422.54	162.13
		For Galvanized Fittings, Add	*1,253.84*	
23 21 13 23-1570	EA	14" Tee, Steel, Grooved	4,829.50	180.15
		For Galvanized Fittings, Add	*1,367.83*	
23 21 13 23-1571	EA	16" Tee, Steel, Grooved	6,079.46	181.17
		For Galvanized Fittings, Add	*1,742.35*	
23 21 13 23-1572	EA	18" Tee, Steel, Grooved	7,572.96	199.84
		For Galvanized Fittings, Add	*2,182.01*	
23 21 13 23-1573	EA	20" Tee, Steel, Grooved	10,725.85	203.02
		For Galvanized Fittings, Add	*3,126.46*	
23 21 13 23-1574	EA	24" Tee, Steel, Grooved	16,386.23	249.41
		For Galvanized Fittings, Add	*4,803.68*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 13 23-1575 Grooved Wyes (90 Degree True Wye) *(23 21 13 23-1555)*

Note: Victaulic No. 33

23 21 13 23-1576	EA	1" Wye, Steel, Grooved	577.33	15.40
		For Galvanized Fittings, Add	*88.68*	
23 21 13 23-1577	EA	1-1/4" Wye, Steel, Grooved	582.47	18.86
		For Galvanized Fittings, Add	*88.68*	
23 21 13 23-1578	EA	1-1/2" Wye, Steel, Grooved	588.88	23.14
		For Galvanized Fittings, Add	*88.68*	
23 21 13 23-1579	EA	2" Wye, Steel, Grooved	599.08	29.96
		For Galvanized Fittings, Add	*88.68*	
23 21 13 23-1580	EA	2-1/2" Wye, Steel, Grooved	609.27	36.69
		For Galvanized Fittings, Add	*88.68*	
23 21 13 23-1581	EA	3" Wye, Steel, Grooved	730.04	45.09
		For Galvanized Fittings, Add	*106.00*	
23 21 13 23-1582	EA	4" Wye, Steel, Grooved	955.17	58.34
		For Galvanized Fittings, Add	*138.84*	
23 21 13 23-1583	EA	5" Wye, Steel, Grooved	1,358.11	76.26
		For Galvanized Fittings, Add	*199.00*	
23 21 13 23-1584	EA	6" Wye, Steel, Grooved	1,681.90	95.39
		For Galvanized Fittings, Add	*246.23*	
23 21 13 23-1585	EA	8" Wye, Steel, Grooved	2,390.08	115.84
		For Galvanized Fittings, Add	*354.63*	
23 21 13 23-1586	EA	10" Wye, Steel, Grooved	4,028.12	135.06
		For Galvanized Fittings, Add	*612.09*	
23 21 13 23-1587	EA	12" Wye, Steel, Grooved	4,469.44	162.13
		For Galvanized Fittings, Add	*676.22*	
23 21 13 23-1588	EA	14" Wye, Steel, Grooved	5,096.12	180.15
		For Galvanized Fittings, Add	*772.17*	
23 21 13 23-1589	EA	16" Wye, Steel, Grooved	6,539.75	180.98
		For Galvanized Fittings, Add	*1,002.95*	
23 21 13 23-1590	EA	18" Wye, Steel, Grooved	7,470.24	200.02
		For Galvanized Fittings, Add	*1,147.25*	
23 21 13 23-1591	EA	20" Wye, Steel, Grooved	10,703.24	202.63
		For Galvanized Fittings, Add	*1,663.90*	
23 21 13 23-1592	EA	24" Wye, Steel, Grooved	16,542.11	249.41
		For Galvanized Fittings, Add	*2,586.90*	

23 21 13 23-1593 Grooved Crosses *(23 21 13 23-1555)*

Note: Victaulic No. 35

23 21 13 23-1594	EA	3/4" Cross, Steel, Grooved	388.92	20.07
		For Galvanized Fittings, Add	*53.82*	
23 21 13 23-1595	EA	1" Cross, Steel, Grooved	393.48	23.14
		For Galvanized Fittings, Add	*53.82*	
23 21 13 23-1596	EA	1-1/4" Cross, Steel, Grooved	475.43	28.29
		For Galvanized Fittings, Add	*64.96*	
23 21 13 23-1597	EA	1-1/2" Cross, Steel, Grooved	518.64	34.72
		For Galvanized Fittings, Add	*70.00*	
23 21 13 23-1598	EA	2" Cross, Steel, Grooved	331.00	44.90
		For Galvanized Fittings, Add	*39.56*	
23 21 13 23-1599	EA	2-1/2" Cross, Steel, Grooved	346.29	55.07
		For Galvanized Fittings, Add	*39.56*	
23 21 13 23-1600	EA	3" Cross, Steel, Grooved	575.23	67.58
		For Galvanized Fittings, Add	*71.08*	
23 21 13 23-1601	EA	4" Cross, Steel, Grooved	920.00	87.46
		For Galvanized Fittings, Add	*118.33*	
23 21 13 23-1602	EA	5" Cross, Steel, Grooved	1,783.07	114.34
		For Galvanized Fittings, Add	*241.74*	
23 21 13 23-1603	EA	6" Cross, Steel, Grooved	2,287.92	143.09
		For Galvanized Fittings, Add	*311.02*	
23 21 13 23-1604	EA	8" Cross, Steel, Grooved	2,991.17	173.70
		For Galvanized Fittings, Add	*409.61*	
23 21 13 23-1605	EA	10" Cross, Steel, Grooved	4,961.26	202.63
		For Galvanized Fittings, Add	*698.61*	
23 21 13 23-1606	EA	12" Cross, Steel, Grooved	7,085.64	243.24
		For Galvanized Fittings, Add	*1,008.15*	
23 21 13 23-1607	EA	14" Cross, Steel, Grooved	7,368.45	270.22
		For Galvanized Fittings, Add	*1,044.50*	
23 21 13 23-1608	EA	16" Cross, Steel, Grooved	9,516.60	271.80
		For Galvanized Fittings, Add	*1,366.37*	
23 21 13 23-1609	EA	18" Cross, Steel, Grooved	11,615.02	299.72
		For Galvanized Fittings, Add	*1,674.85*	
23 21 13 23-1610	EA	20" Cross, Steel, Grooved	16,274.98	304.38
		For Galvanized Fittings, Add	*2,372.79*	
23 21 13 23-1611	EA	24" Cross, Steel, Grooved	24,981.35	374.10
		For Galvanized Fittings, Add	*3,663.06*	

23 21 13 23-1612 Grooved Reducing Tees *(23 21 13 23-1555)*

Note: Victaulic No. 25

23 21 13 23-1613	EA	1" Reducing Tee, Steel, Grooved	276.56	15.40
		For Galvanized Fittings, Add	*50.69*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1614	EA	1-1/4" Reducing Tee, Steel, Grooved	289.66	18.86
		For Galvanized Fittings, Add	*52.28*	
23 21 13 23-1615	EA	1-1/2" Reducing Tee, Steel, Grooved	302.58	23.14
		For Galvanized Fittings, Add	*53.58*	
23 21 13 23-1616	EA	2" Reducing Tee, Steel, Grooved	358.52	29.96
		For Galvanized Fittings, Add	*62.73*	
23 21 13 23-1617	EA	2-1/2" Reducing Tee, Steel, Grooved	400.99	36.69
		For Galvanized Fittings, Add	*69.19*	
23 21 13 23-1618	EA	3" Reducing Tee, Steel, Grooved	446.20	45.09
		For Galvanized Fittings, Add	*75.73*	
23 21 13 23-1619	EA	4" Reducing Tee, Steel, Grooved	598.09	58.34
		For Galvanized Fittings, Add	*102.13*	
23 21 13 23-1620	EA	5" Reducing Tee, Steel, Grooved	788.62	76.26
		For Galvanized Fittings, Add	*134.86*	
23 21 13 23-1621	EA	6" Reducing Tee, Steel, Grooved	1,091.54	95.39
		For Galvanized Fittings, Add	*189.71*	
23 21 13 23-1622	EA	8" Reducing Tee, Steel, Grooved	1,738.73	115.84
		For Galvanized Fittings, Add	*313.02*	
23 21 13 23-1623	EA	10" Reducing Tee, Steel, Grooved	2,509.85	135.06
		For Galvanized Fittings, Add	*461.46*	
23 21 13 23-1624	EA	12" Reducing Tee, Steel, Grooved	3,646.72	162.13
		For Galvanized Fittings, Add	*680.73*	
23 21 13 23-1625	EA	14" Reducing Tee, Steel, Grooved	4,135.89	180.15
		For Galvanized Fittings, Add	*773.16*	
23 21 13 23-1626	EA	16" Reducing Tee, Steel, Grooved	5,293.24	181.17
		For Galvanized Fittings, Add	*1,004.32*	
23 21 13 23-1627	EA	18" Reducing Tee, Steel, Grooved	6,447.24	199.84
		For Galvanized Fittings, Add	*1,229.54*	
23 21 13 23-1628	EA	20" Reducing Tee, Steel, Grooved	9,096.54	202.92
		For Galvanized Fittings, Add	*1,758.46*	
23 21 13 23-1629	EA	24" Reducing Tee, Steel, Grooved	14,536.55	249.41
		For Galvanized Fittings, Add	*2,832.52*	

23 21 13 23-1630 Grooved 45 Degree Lateral Wyes *(23 21 13 23-1555)*

Note: Victaulic No. 30

23 21 13 23-1631	EA	3/4" 45 Degree Lateral Wye, Steel, Grooved	544.92	13.35
		For Galvanized Fittings, Add	*94.47*	
23 21 13 23-1632	EA	1" 45 Degree Lateral Wye, Steel, Grooved	547.96	15.40
		For Galvanized Fittings, Add	*94.47*	
23 21 13 23-1633	EA	1-1/4" 45 Degree Lateral Wye, Steel, Grooved	553.10	18.86
		For Galvanized Fittings, Add	*94.47*	
23 21 13 23-1634	EA	1-1/2" 45 Degree Lateral Wye, Steel, Grooved	559.51	23.14
		For Galvanized Fittings, Add	*94.47*	
23 21 13 23-1635	EA	2" 45 Degree Lateral Wye, Steel, Grooved	569.71	29.96
		For Galvanized Fittings, Add	*94.47*	
23 21 13 23-1636	EA	2-1/2" Wye, 45 Degree Lateral, Steel, Grooved	579.90	36.69
		For Galvanized Fittings, Add	*94.47*	
23 21 13 23-1637	EA	3" Wye, 45 Degree Lateral, Steel, Grooved	520.98	45.09
		For Galvanized Fittings, Add	*81.62*	
23 21 13 23-1638	EA	3-1/2" Wye, 45 Degree Lateral, Steel, Grooved	846.10	51.99
		For Galvanized Fittings, Add	*138.28*	
23 21 13 23-1639	EA	4" 45 Degree Lateral Wye, Steel, Grooved	981.66	58.34
		For Galvanized Fittings, Add	*160.96*	
23 21 13 23-1640	EA	5" 45 Degree Lateral Wye, Steel, Grooved	1,421.20	76.26
		For Galvanized Fittings, Add	*235.24*	
23 21 13 23-1641	EA	6" 45 Degree Lateral Wye, Steel, Grooved	2,248.59	95.39
		For Galvanized Fittings, Add	*379.01*	
23 21 13 23-1642	EA	8" 45 Degree Lateral Wye, Steel, Grooved	3,206.46	115.84
		For Galvanized Fittings, Add	*545.91*	
23 21 13 23-1643	EA	10" 45 Degree Lateral Wye, Steel, Grooved	4,483.34	135.06
		For Galvanized Fittings, Add	*770.54*	
23 21 13 23-1644	EA	12" 45 Degree Lateral Wye, Steel, Grooved	5,418.74	162.13
		For Galvanized Fittings, Add	*931.62*	
23 21 13 23-1645	EA	14" 45 Degree Lateral Wye, Steel, Grooved	7,824.30	180.15
		For Galvanized Fittings, Add	*1,359.76*	
23 21 13 23-1646	EA	16" 45 Degree Lateral Wye, Steel, Grooved	9,708.90	181.17
		For Galvanized Fittings, Add	*1,698.71*	
23 21 13 23-1647	EA	18" 45 Degree Lateral Wye, Steel, Grooved	10,849.25	199.84
		For Galvanized Fittings, Add	*1,898.95*	
23 21 13 23-1648	EA	20" 45 Degree Lateral Wye, Steel, Grooved	16,306.37	202.92
		For Galvanized Fittings, Add	*2,880.39*	
23 21 13 23-1649	EA	24" 45 Degree Lateral Wye, Steel, Grooved	25,240.09	249.41
		For Galvanized Fittings, Add	*4,475.90*	

23 21 13 23-1650 Grooved 45 Degree Lateral Reducing Wyes *(23 21 13 23-1555)*

Note: Victaulic No. 30R

23 21 13 23-1651	EA	3" 45 Degree Lateral Reducing Wye, Steel, Grooved	520.98	45.09
		For Galvanized Fittings, Add	*58.95*	
23 21 13 23-1652	EA	4" 45 Degree Lateral Reducing Wye, Steel, Grooved	981.66	58.34
		For Galvanized Fittings, Add	*116.25*	
23 21 13 23-1653	EA	5" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,421.20	76.26
		For Galvanized Fittings, Add	*169.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1654	EA	6" 45 Degree Lateral Reducing Wye, Steel, Grooved	1,831.47	95.39
		For Galvanized Fittings, Add	*219.50*	
23 21 13 23-1655	EA	8" 45 Degree Lateral Reducing Wye, Steel, Grooved	2,611.10	115.84
		For Galvanized Fittings, Add	*316.87*	
23 21 13 23-1656	EA	10" 45 Degree Lateral Reducing Wye, Steel, Grooved	3,187.77	135.06
		For Galvanized Fittings, Add	*388.08*	
23 21 13 23-1657	EA	12" 45 Degree Lateral Reducing Wye, Steel, Grooved	3,870.85	162.13
		For Galvanized Fittings, Add	*471.61*	
23 21 13 23-1658	EA	14" 45 Degree Lateral Reducing Wye, Steel, Grooved	4,334.11	180.15
		For Galvanized Fittings, Add	*528.32*	
23 21 13 23-1659	EA	16" 45 Degree Lateral Reducing Wye, Steel, Grooved	5,524.77	181.17
		For Galvanized Fittings, Add	*682.91*	
23 21 13 23-1660	EA	18" 45 Degree Lateral Reducing Wye, Steel, Grooved	8,365.72	199.84
		For Galvanized Fittings, Add	*1,048.60*	
23 21 13 23-1661	EA	20" 45 Degree Lateral Reducing Wye, Steel, Grooved	12,111.01	202.92
		For Galvanized Fittings, Add	*1,534.88*	
23 21 13 23-1662	EA	24" 45 Degree Lateral Reducing Wye, Steel, Grooved	19,489.58	249.41
		For Galvanized Fittings, Add	*2,485.03*	

23 21 13 23-1663 Mechanical-T Outlet *(23 21 13 23-1555)*

Note: Includes making opening in pipe. Grooved or treaded branch outlets. Victaulic Styles 920 or 921.

23 21 13 23-1664	EA	2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	154.48	33.60
		For Galvanized Fittings, Add	*21.65*	
23 21 13 23-1665	EA	2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	154.48	33.60
		For Galvanized Fittings, Add	*21.65*	
23 21 13 23-1666	EA	2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	168.11	33.60
		For Galvanized Fittings, Add	*25.03*	
23 21 13 23-1667	EA	2" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	168.11	33.60
23 21 13 23-1668	EA	2-1/2" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	162.88	37.81
23 21 13 23-1669	EA	2-1/2" x 1" Mechanical-T Outlet With Threaded Branch Outlet	162.88	37.81
23 21 13 23-1670	EA	2-1/2" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	198.86	37.81
23 21 13 23-1671	EA	3" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	184.51	42.00
23 21 13 23-1672	EA	3" x 1" Mechanical-T Outlet With Threaded Branch Outlet	184.51	42.00
23 21 13 23-1673	EA	3" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	213.47	42.00
23 21 13 23-1674	EA	3" x 1-1/2" Mechanical-T Outlet With Threaded Branch Outlet	213.47	42.00
23 21 13 23-1675	EA	3" x 2" Mechanical-T Outlet With Threaded Branch Outlet	233.31	42.00
23 21 13 23-1676	EA	4" x 3/4" Mechanical-T Outlet With Threaded Branch Outlet	240.16	56.01
23 21 13 23-1677	EA	4" x 1" Mechanical-T Outlet With Threaded Branch Outlet	240.16	56.01
23 21 13 23-1678	EA	4" x 1-1/4" Mechanical-T Outlet With Threaded Branch Outlet	262.77	56.01
23 21 13 23-1679	EA	4" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	269.12	56.01
23 21 13 23-1680	EA	4" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	269.12	56.01
23 21 13 23-1681	EA	4" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	275.47	56.01
23 21 13 23-1682	EA	4" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	287.64	56.01
23 21 13 23-1683	EA	5" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	346.96	77.00
23 21 13 23-1684	EA	5" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	346.96	77.00
23 21 13 23-1685	EA	5" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	357.94	77.00
23 21 13 23-1686	EA	5" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	371.69	77.00
23 21 13 23-1687	EA	6" x 1-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	393.46	98.01
23 21 13 23-1688	EA	6" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	393.46	98.01
23 21 13 23-1689	EA	6" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	409.59	98.01
23 21 13 23-1690	EA	6" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	423.22	98.01
23 21 13 23-1691	EA	6" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	447.42	98.01
23 21 13 23-1692	EA	8" x 2" Mechanical-T Outlet With Threaded Or Grooved Outlet	608.88	129.74
23 21 13 23-1693	EA	8" x 2-1/2" Mechanical-T Outlet With Threaded Or Grooved Outlet	608.88	129.74
23 21 13 23-1694	EA	8" x 3" Mechanical-T Outlet With Threaded Or Grooved Outlet	628.33	129.74
23 21 13 23-1695	EA	8" x 4" Mechanical-T Outlet With Threaded Or Grooved Outlet	639.83	129.74

23 21 13 23-1696 Installation-Ready™ Grooved Fittings *(23 21 13 23-1469)*

23 21 13 23-1697 Installation-Ready™ 90 Degree Grooved Elbows *(23 21 13 23-1696)*

Note: Victaulic No. 101

23 21 13 23-1698	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	171.79	9.24
		For Galvanized Fittings, Add	*52.07*	
		For Galvanized Fittings, Add	*40.39*	
23 21 13 23-1699	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	179.23	11.09
		For Galvanized Fittings, Add	*53.60*	
		For Galvanized Fittings, Add	*41.58*	
23 21 13 23-1700	EA	2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	185.99	14.78
		For Galvanized Fittings, Add	*53.98*	
		For Galvanized Fittings, Add	*41.88*	
23 21 13 23-1701	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 90 Degree Elbow	225.23	18.48
		For Galvanized Fittings, Add	*65.09*	
		For Galvanized Fittings, Add	*50.49*	

23 21 13 23-1702 Installation-Ready™ 45 Degree Grooved Elbows *(23 21 13 23-1696)*

Note: Victaulic No. 103

23 21 13 23-1703	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	171.79	9.24
		For Galvanized Fittings, Add	*37.87*	
		For Galvanized Fittings, Add	*40.39*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1704	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	179.23	11.09
		For Galvanized Fittings, Add	*38.98*	
		For Galvanized Fittings, Add	*41.58*	
23 21 13 23-1705	EA	2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	185.99	14.78
		For Galvanized Fittings, Add	*39.26*	
		For Galvanized Fittings, Add	*41.88*	
23 21 13 23-1706	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ 45 Degree Elbow	225.23	18.48
		For Galvanized Fittings, Add	*47.34*	
		For Galvanized Fittings, Add	*50.49*	

23 21 13 23-1707 Installation-Ready™ Grooved Tees *(23 21 13 23-1696)*

Note: Victaulic No. 102

23 21 13 23-1708	EA	1-1/4" Ductile Iron, Grooved, Installation-Ready™ Tee	262.31	12.32
		For Galvanized Fittings, Add	*73.09*	
		For Galvanized Fittings, Add	*62.37*	
23 21 13 23-1709	EA	1-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	274.16	14.78
		For Galvanized Fittings, Add	*75.53*	
		For Galvanized Fittings, Add	*64.45*	
23 21 13 23-1710	EA	2" Ductile Iron, Grooved, Installation-Ready™ Tee	285.11	19.71
		For Galvanized Fittings, Add	*76.57*	
		For Galvanized Fittings, Add	*65.34*	
23 21 13 23-1711	EA	2-1/2" Ductile Iron, Grooved, Installation-Ready™ Tee	332.02	24.65
		For Galvanized Fittings, Add	*88.41*	
		For Galvanized Fittings, Add	*75.44*	

23 21 13 23-1712 Grooved Fittings *(23 21 13 23-1469)*

23 21 13 23-1713 Flanged Adapter Nipple, Grooved *(23 21 13 23-1712)*

Note: Victaulic No. 41 and 45

23 21 13 23-1714	EA	1" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	386.17	11.20
		For Galvanized Fittings, Add	*66.49*	
		For 300 LB Rating, Add	*55.41*	
23 21 13 23-1715	EA	1-1/4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	388.04	12.41
		For Galvanized Fittings, Add	*66.49*	
		For 300 LB Rating, Add	*55.41*	
23 21 13 23-1716	EA	1-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	392.71	15.59
		For Galvanized Fittings, Add	*66.49*	
		For 300 LB Rating, Add	*55.41*	
23 21 13 23-1717	EA	2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	402.53	22.12
		For Galvanized Fittings, Add	*66.49*	
		For 300 LB Rating, Add	*55.41*	
23 21 13 23-1718	EA	2-1/2" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	409.54	26.78
		For Galvanized Fittings, Add	*66.49*	
		For 300 LB Rating, Add	*55.41*	
23 21 13 23-1719	EA	3" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	520.57	32.02
		For Galvanized Fittings, Add	*85.07*	
		For 300 LB Rating, Add	*70.89*	
23 21 13 23-1720	EA	4" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	628.28	43.12
		For Galvanized Fittings, Add	*101.46*	
		For 300 LB Rating, Add	*84.55*	
23 21 13 23-1721	EA	5" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	883.65	52.18
		For Galvanized Fittings, Add	*144.98*	
		For 300 LB Rating, Add	*120.81*	
23 21 13 23-1722	EA	6" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,024.64	70.47
		For Galvanized Fittings, Add	*165.41*	
		For 300 LB Rating, Add	*137.84*	
23 21 13 23-1723	EA	8" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	1,411.45	95.39
		For Galvanized Fittings, Add	*228.32*	
		For 300 LB Rating, Add	*190.27*	
23 21 13 23-1724	EA	10" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	2,243.57	115.84
		For Galvanized Fittings, Add	*372.59*	
		For 300 LB Rating, Add	*310.49*	
23 21 13 23-1725	EA	12" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,032.82	135.06
		For Galvanized Fittings, Add	*509.45*	
		For 300 LB Rating, Add	*424.54*	
23 21 13 23-1726	EA	14" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	3,580.72	162.13
		For Galvanized Fittings, Add	*600.78*	
		For 300 LB Rating, Add	*500.65*	
23 21 13 23-1727	EA	16" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	5,410.13	180.15
		For Galvanized Fittings, Add	*925.21*	
		For 300 LB Rating, Add	*771.01*	
23 21 13 23-1728	EA	18" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	6,442.52	270.22
		For Galvanized Fittings, Add	*1,086.73*	
		For 300 LB Rating, Add	*905.61*	
23 21 13 23-1729	EA	20" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	6,779.08	324.26
		For Galvanized Fittings, Add	*1,132.73*	
		For 300 LB Rating, Add	*943.94*	
23 21 13 23-1730	EA	24" Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	11,396.25	360.29
		For Galvanized Fittings, Add	*1,954.10*	
		For 300 LB Rating, Add	*1,628.41*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1731		**Grooved Concentric Reducers** *(23 21 13 23-1712)* Note: Victaulic No. 50		
23 21 13 23-1732	EA	1-1/4" x 3/4" Concentric Reducer, Grooved	410.77	11.20
		For Galvanized Fittings, Add	*17.33*	
23 21 13 23-1733	EA	1-1/4" x 1" Concentric Reducer, Grooved	429.47	11.85
		For Galvanized Fittings, Add	*18.12*	
23 21 13 23-1734	EA	1-1/2" x 3/4" Concentric Reducer, Grooved	484.13	12.79
		For Galvanized Fittings, Add	*55.89*	
23 21 13 23-1735	EA	1-1/2" x 1" Concentric Reducer, Grooved	119.65	13.35
		For Galvanized Fittings, Add	*11.97*	
23 21 13 23-1736	EA	1-1/2" x 1-1/4" Concentric Reducer, Grooved	406.43	14.00
		For Galvanized Fittings, Add	*46.33*	
23 21 13 23-1737	EA	2" x 3/4" Concentric Reducer, Grooved	122.45	15.22
		For Galvanized Fittings, Add	*11.97*	
23 21 13 23-1738	EA	2" x 1" Concentric Reducer, Grooved	123.38	15.87
		For Galvanized Fittings, Add	*11.97*	
23 21 13 23-1739	EA	2" x 1-1/4" Concentric Reducer, Grooved	134.32	16.52
		For Galvanized Fittings, Add	*13.17*	
23 21 13 23-1740	EA	2" x 1-1/2" Concentric Reducer, Grooved	127.17	18.38
		For Galvanized Fittings, Add	*11.97*	
23 21 13 23-1741	EA	2-1/2" x 3/4" Concentric Reducer, Grooved	836.18	17.17
		For Galvanized Fittings, Add	*97.41*	
23 21 13 23-1742	EA	2-1/2" x 1" Concentric Reducer, Grooved	662.41	17.83
		For Galvanized Fittings, Add	*76.42*	
23 21 13 23-1743	EA	2-1/2" x 1-1/4" Concentric Reducer, Grooved	603.09	18.38
		For Galvanized Fittings, Add	*69.18*	
23 21 13 23-1744	EA	2-1/2" x 1-1/2" Concentric Reducer, Grooved	129.91	20.26
		For Galvanized Fittings, Add	*11.97*	
23 21 13 23-1745	EA	2-1/2" x 2" Concentric Reducer, Grooved	133.64	22.68
		For Galvanized Fittings, Add	*11.97*	
23 21 13 23-1746	EA	3" x 3/4" Concentric Reducer, Grooved	845.60	19.98
		For Galvanized Fittings, Add	*123.98*	
23 21 13 23-1747	EA	3" x 1" Concentric Reducer, Grooved	140.73	20.53
		For Galvanized Fittings, Add	*16.72*	
23 21 13 23-1748	EA	3" x 1-1/4" Concentric Reducer, Grooved	663.51	21.19
		For Galvanized Fittings, Add	*96.03*	
23 21 13 23-1749	EA	3" x 1-1/2" Concentric Reducer, Grooved	621.13	22.68
		For Galvanized Fittings, Add	*89.23*	
23 21 13 23-1750	EA	3" x 2" Concentric Reducer, Grooved	125.15	25.20
		For Galvanized Fittings, Add	*13.28*	
23 21 13 23-1751	EA	3" x 2-1/2" Concentric Reducer, Grooved	165.40	30.05
		For Galvanized Fittings, Add	*18.29*	
23 21 13 23-1752	EA	3-1/2" x 3" Concentric Reducer, Grooved	176.79	32.39
		For Galvanized Fittings, Add	*19.49*	
23 21 13 23-1753	EA	4" x 1" Concentric Reducer, Grooved	170.47	25.48
		For Galvanized Fittings, Add	*22.67*	
23 21 13 23-1754	EA	4" x 1-1/4" Concentric Reducer, Grooved	1,084.31	26.14
		For Galvanized Fittings, Add	*179.23*	
23 21 13 23-1755	EA	4" x 1-1/2" Concentric Reducer, Grooved	840.54	27.72
		For Galvanized Fittings, Add	*137.03*	
23 21 13 23-1756	EA	4" x 2" Concentric Reducer, Grooved	161.56	30.24
		For Galvanized Fittings, Add	*19.94*	
23 21 13 23-1757	EA	4" x 2-1/2" Concentric Reducer, Grooved	194.30	32.39
		For Galvanized Fittings, Add	*25.00*	
23 21 13 23-1758	EA	4" x 3" Concentric Reducer, Grooved	198.03	34.91
		For Galvanized Fittings, Add	*25.00*	
23 21 13 23-1759	EA	4" x 3-1/2" Concentric Reducer, Grooved	201.76	37.33
		For Galvanized Fittings, Add	*25.00*	
23 21 13 23-1760	EA	5" x 2" Concentric Reducer, Grooved	1,523.52	35.18
		For Galvanized Fittings, Add	*252.24*	
23 21 13 23-1761	EA	5" x 2-1/2" Concentric Reducer, Grooved	1,197.14	37.33
		For Galvanized Fittings, Add	*195.70*	
23 21 13 23-1762	EA	5" x 3" Concentric Reducer, Grooved	230.35	39.85
		For Galvanized Fittings, Add	*29.26*	
23 21 13 23-1763	EA	5" x 4" Concentric Reducer, Grooved	270.97	44.80
		For Galvanized Fittings, Add	*34.94*	
23 21 13 23-1764	EA	6" x 1" Concentric Reducer, Grooved	327.93	37.99
		For Galvanized Fittings, Add	*50.56*	
23 21 13 23-1765	EA	6" x 1-1/2" Concentric Reducer, Grooved	1,606.61	40.14
		For Galvanized Fittings, Add	*288.56*	
23 21 13 23-1766	EA	6" x 2" Concentric Reducer, Grooved	334.91	42.66
		For Galvanized Fittings, Add	*50.56*	
23 21 13 23-1767	EA	6" x 2-1/2" Concentric Reducer, Grooved	1,622.44	44.80
		For Galvanized Fittings, Add	*290.21*	
23 21 13 23-1768	EA	6" x 3" Concentric Reducer, Grooved	341.92	47.33
		For Galvanized Fittings, Add	*50.56*	
23 21 13 23-1769	EA	6" x 4" Concentric Reducer, Grooved	314.40	52.27
		For Galvanized Fittings, Add	*44.04*	
23 21 13 23-1770	EA	6" x 5" Concentric Reducer, Grooved	435.00	57.31
		For Galvanized Fittings, Add	*65.14*	
23 21 13 23-1771	EA	8" x 3" Concentric Reducer, Grooved	564.48	53.58
		For Galvanized Fittings, Add	*90.35*	
23 21 13 23-1772	EA	8" x 4" Concentric Reducer, Grooved	571.93	58.52
		For Galvanized Fittings, Add	*90.35*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1773	EA	8" x 5" Concentric Reducer, Grooved	579.42	63.47
		For Galvanized Fittings, Add	*90.35*	
23 21 13 23-1774	EA	8" x 6" Concentric Reducer, Grooved	723.87	70.93
		For Galvanized Fittings, Add	*115.22*	
23 21 13 23-1775	EA	10" x 4" Concentric Reducer, Grooved	1,250.40	65.05
		For Galvanized Fittings, Add	*215.12*	
23 21 13 23-1776	EA	10" x 5" Concentric Reducer, Grooved	2,646.29	70.01
		For Galvanized Fittings, Add	*474.20*	
23 21 13 23-1777	EA	10" x 6" Concentric Reducer, Grooved	1,376.91	77.47
		For Galvanized Fittings, Add	*235.25*	
23 21 13 23-1778	EA	10" x 8" Concentric Reducer, Grooved	1,386.22	83.73
		For Galvanized Fittings, Add	*235.25*	
23 21 13 23-1779	EA	12" x 4" Concentric Reducer, Grooved	3,927.38	74.11
		For Galvanized Fittings, Add	*572.45*	
23 21 13 23-1780	EA	12" x 6" Concentric Reducer, Grooved	1,633.37	86.52
		For Galvanized Fittings, Add	*225.55*	
23 21 13 23-1781	EA	12" x 8" Concentric Reducer, Grooved	2,397.78	92.78
		For Galvanized Fittings, Add	*338.81*	
23 21 13 23-1782	EA	12" x 10" Concentric Reducer, Grooved	2,407.64	99.31
		For Galvanized Fittings, Add	*338.81*	
23 21 13 23-1783	EA	14" x 6" Concentric Reducer, Grooved	7,803.61	93.25
		For Galvanized Fittings, Add	*235.28*	
23 21 13 23-1784	EA	14" x 8" Concentric Reducer, Grooved	4,647.56	99.50
		For Galvanized Fittings, Add	*138.10*	
23 21 13 23-1785	EA	14" x 10" Concentric Reducer, Grooved	3,957.12	106.04
		For Galvanized Fittings, Add	*116.60*	
23 21 13 23-1786	EA	14" x 12" Concentric Reducer, Grooved	3,970.62	114.99
		For Galvanized Fittings, Add	*116.60*	
23 21 13 23-1787	EA	16" x 8" Concentric Reducer, Grooved	7,090.01	106.13
		For Galvanized Fittings, Add	*212.78*	
23 21 13 23-1788	EA	16" x 10" Concentric Reducer, Grooved	6,576.93	112.66
		For Galvanized Fittings, Add	*196.72*	
23 21 13 23-1789	EA	16" x 12" Concentric Reducer, Grooved	6,077.92	121.72
		For Galvanized Fittings, Add	*180.99*	
23 21 13 23-1790	EA	16" x 14" Concentric Reducer, Grooved	6,088.00	128.43
		For Galvanized Fittings, Add	*180.99*	
23 21 13 23-1791	EA	18" x 10" Concentric Reducer, Grooved	9,226.80	118.91
		For Galvanized Fittings, Add	*277.79*	
23 21 13 23-1792	EA	18" x 12" Concentric Reducer, Grooved	8,350.40	127.88
		For Galvanized Fittings, Add	*250.47*	
23 21 13 23-1793	EA	18" x 14" Concentric Reducer, Grooved	7,587.84	134.60
		For Galvanized Fittings, Add	*226.75*	
23 21 13 23-1794	EA	18" x 16" Concentric Reducer, Grooved	7,597.92	141.41
		For Galvanized Fittings, Add	*226.75*	
23 21 13 23-1795	EA	20" x 10" Concentric Reducer, Grooved	10,157.35	121.99
		For Galvanized Fittings, Add	*306.22*	
23 21 13 23-1796	EA	20" x 12" Concentric Reducer, Grooved	8,700.38	131.05
		For Galvanized Fittings, Add	*261.07*	
23 21 13 23-1797	EA	20" x 14" Concentric Reducer, Grooved	8,710.47	137.77
		For Galvanized Fittings, Add	*261.07*	
23 21 13 23-1798	EA	20" x 16" Concentric Reducer, Grooved	7,760.95	144.40
		For Galvanized Fittings, Add	*231.62*	
23 21 13 23-1799	EA	20" x 18" Concentric Reducer, Grooved	8,271.16	150.65
		For Galvanized Fittings, Add	*246.99*	
23 21 13 23-1800	EA	24" x 10" Concentric Reducer, Grooved	22,430.17	135.71
		For Galvanized Fittings, Add	*682.36*	
23 21 13 23-1801	EA	24" x 12" Concentric Reducer, Grooved	21,906.98	144.77
		For Galvanized Fittings, Add	*665.88*	
23 21 13 23-1802	EA	24" x 14" Concentric Reducer, Grooved	19,084.79	151.40
		For Galvanized Fittings, Add	*578.93*	
23 21 13 23-1803	EA	24" x 16" Concentric Reducer, Grooved	19,094.94	158.21
		For Galvanized Fittings, Add	*578.93*	
23 21 13 23-1804	EA	24" x 18" Concentric Reducer, Grooved	16,342.60	164.37
		For Galvanized Fittings, Add	*494.15*	
23 21 13 23-1805	EA	24" x 20" Concentric Reducer, Grooved	14,921.58	167.54
		For Galvanized Fittings, Add	*450.38*	

23 21 13 23-1806 Grooved Eccentric Reducers *(23 21 13 23-1712)*

Note: Victaulic No. 51

23 21 13 23-1807	EA	1-1/2" x 3/4" Eccentric Reducer, Grooved	500.18	12.79
		For Galvanized Fittings, Add	*57.82*	
23 21 13 23-1808	EA	1-1/2" x 1" Eccentric Reducer, Grooved	454.29	13.35
		For Galvanized Fittings, Add	*52.19*	
23 21 13 23-1809	EA	1-1/2" x 1-1/4" Eccentric Reducer, Grooved	445.76	14.00
		For Galvanized Fittings, Add	*51.05*	
23 21 13 23-1810	EA	2" x 3/4" Eccentric Reducer, Grooved	957.61	15.22
		For Galvanized Fittings, Add	*112.36*	
23 21 13 23-1811	EA	2" x 1" Eccentric Reducer, Grooved	503.27	15.87
		For Galvanized Fittings, Add	*57.63*	
23 21 13 23-1812	EA	2" x 1-1/4" Eccentric Reducer, Grooved	550.38	16.52
		For Galvanized Fittings, Add	*63.18*	
23 21 13 23-1813	EA	2" x 1-1/2" Eccentric Reducer, Grooved	467.60	18.38
		For Galvanized Fittings, Add	*52.89*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1814	EA	2-1/2" x 3/4" Eccentric Reducer, Grooved	1,245.94	17.17
		For Galvanized Fittings, Add	*146.67*	
23 21 13 23-1815	EA	2-1/2" x 1" Eccentric Reducer, Grooved	1,163.46	17.83
		For Galvanized Fittings, Add	*136.64*	
23 21 13 23-1816	EA	2-1/2" x 1-1/4" Eccentric Reducer, Grooved	687.80	18.38
		For Galvanized Fittings, Add	*79.36*	
23 21 13 23-1817	EA	2-1/2" x 1-1/2" Eccentric Reducer, Grooved	553.47	20.26
		For Galvanized Fittings, Add	*62.88*	
23 21 13 23-1818	EA	2-1/2" x 2" Eccentric Reducer, Grooved	244.79	22.68
		For Galvanized Fittings, Add	*25.33*	
23 21 13 23-1819	EA	3" x 1" Eccentric Reducer, Grooved	1,250.16	20.53
		For Galvanized Fittings, Add	*146.57*	
23 21 13 23-1820	EA	3" x 1-1/4" Eccentric Reducer, Grooved	1,135.61	21.19
		For Galvanized Fittings, Add	*132.69*	
23 21 13 23-1821	EA	3" x 1-1/2" Eccentric Reducer, Grooved	639.16	22.68
		For Galvanized Fittings, Add	*72.73*	
23 21 13 23-1822	EA	3" x 2" Eccentric Reducer, Grooved	279.98	25.20
		For Galvanized Fittings, Add	*29.11*	
23 21 13 23-1823	EA	3" x 2-1/2" Eccentric Reducer, Grooved	287.21	30.05
		For Galvanized Fittings, Add	*29.11*	
23 21 13 23-1824	EA	3-1/2" x 3" Eccentric Reducer, Grooved	1,388.30	32.39
		For Galvanized Fittings, Add	*161.04*	
23 21 13 23-1825	EA	4" x 1" Eccentric Reducer, Grooved	2,509.95	25.48
		For Galvanized Fittings, Add	*423.89*	
23 21 13 23-1826	EA	4" x 1-1/2" Eccentric Reducer, Grooved	1,536.40	27.72
		For Galvanized Fittings, Add	*256.37*	
23 21 13 23-1827	EA	4" x 2" Eccentric Reducer, Grooved	341.38	30.24
		For Galvanized Fittings, Add	*50.78*	
23 21 13 23-1828	EA	4" x 2-1/2" Eccentric Reducer, Grooved	344.65	32.39
		For Galvanized Fittings, Add	*50.78*	
23 21 13 23-1829	EA	4" x 3" Eccentric Reducer, Grooved	348.38	34.91
		For Galvanized Fittings, Add	*50.78*	
23 21 13 23-1830	EA	5" x 2" Eccentric Reducer, Grooved	1,701.10	35.18
		For Galvanized Fittings, Add	*282.69*	
23 21 13 23-1831	EA	5" x 2-1/2" Eccentric Reducer, Grooved	1,460.36	37.33
		For Galvanized Fittings, Add	*240.85*	
23 21 13 23-1832	EA	5" x 3" Eccentric Reducer, Grooved	1,416.21	39.85
		For Galvanized Fittings, Add	*232.63*	
23 21 13 23-1833	EA	5" x 4" Eccentric Reducer, Grooved	470.52	44.80
		For Galvanized Fittings, Add	*69.17*	
23 21 13 23-1834	EA	6" x 1" Eccentric Reducer, Grooved	2,619.40	37.99
		For Galvanized Fittings, Add	*478.15*	
23 21 13 23-1835	EA	6" x 2" Eccentric Reducer, Grooved	2,400.78	42.66
		For Galvanized Fittings, Add	*436.06*	
23 21 13 23-1836	EA	6" x 2-1/2" Eccentric Reducer, Grooved	2,849.86	44.80
		For Galvanized Fittings, Add	*519.24*	
23 21 13 23-1837	EA	6" x 3" Eccentric Reducer, Grooved	607.90	47.33
		For Galvanized Fittings, Add	*100.20*	
23 21 13 23-1838	EA	6" x 4" Eccentric Reducer, Grooved	548.41	52.27
		For Galvanized Fittings, Add	*87.70*	
23 21 13 23-1839	EA	6" x 5" Eccentric Reducer, Grooved	649.68	57.31
		For Galvanized Fittings, Add	*105.20*	
23 21 13 23-1840	EA	8" x 3" Eccentric Reducer, Grooved	2,795.44	53.58
		For Galvanized Fittings, Add	*506.65*	
23 21 13 23-1841	EA	8" x 4" Eccentric Reducer, Grooved	2,460.61	58.52
		For Galvanized Fittings, Add	*442.78*	
23 21 13 23-1842	EA	8" x 5" Eccentric Reducer, Grooved	2,304.47	63.47
		For Galvanized Fittings, Add	*412.25*	
23 21 13 23-1843	EA	8" x 6" Eccentric Reducer, Grooved	1,059.44	70.93
		For Galvanized Fittings, Add	*177.84*	
23 21 13 23-1844	EA	10" x 4" Eccentric Reducer, Grooved	4,451.88	65.05
		For Galvanized Fittings, Add	*812.52*	
23 21 13 23-1845	EA	10" x 5" Eccentric Reducer, Grooved	4,207.43	70.01
		For Galvanized Fittings, Add	*765.51*	
23 21 13 23-1846	EA	10" x 6" Eccentric Reducer, Grooved	3,209.83	77.47
		For Galvanized Fittings, Add	*577.27*	
23 21 13 23-1847	EA	10" x 8" Eccentric Reducer, Grooved	2,743.87	83.73
		For Galvanized Fittings, Add	*488.58*	
23 21 13 23-1848	EA	12" x 4" Eccentric Reducer, Grooved	4,538.66	74.11
		For Galvanized Fittings, Add	*668.12*	
23 21 13 23-1849	EA	12" x 6" Eccentric Reducer, Grooved	4,262.51	86.52
		For Galvanized Fittings, Add	*623.64*	
23 21 13 23-1850	EA	12" x 8" Eccentric Reducer, Grooved	4,166.10	92.78
		For Galvanized Fittings, Add	*607.68*	
23 21 13 23-1851	EA	12" x 10" Eccentric Reducer, Grooved	3,755.95	99.31
		For Galvanized Fittings, Add	*544.30*	
23 21 13 23-1852	EA	14" x 6" Eccentric Reducer, Grooved	10,567.58	93.25
		For Galvanized Fittings, Add	*320.13*	
23 21 13 23-1853	EA	14" x 8" Eccentric Reducer, Grooved	6,815.90	99.50
		For Galvanized Fittings, Add	*204.67*	
23 21 13 23-1854	EA	14" x 10" Eccentric Reducer, Grooved	6,505.23	106.04
		For Galvanized Fittings, Add	*194.83*	
23 21 13 23-1855	EA	14" x 12" Eccentric Reducer, Grooved	6,518.73	114.99
		For Galvanized Fittings, Add	*194.83*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1856	EA	16" x 8" Eccentric Reducer, Grooved	11,675.32	106.13
		For Galvanized Fittings, Add	*353.55*	
23 21 13 23-1857	EA	16" x 10" Eccentric Reducer, Grooved	10,810.76	112.66
		For Galvanized Fittings, Add	*326.70*	
23 21 13 23-1858	EA	16" x 12" Eccentric Reducer, Grooved	10,181.91	121.72
		For Galvanized Fittings, Add	*306.98*	
23 21 13 23-1859	EA	16" x 14" Eccentric Reducer, Grooved	10,191.99	128.43
		For Galvanized Fittings, Add	*306.98*	
23 21 13 23-1860	EA	18" x 10" Eccentric Reducer, Grooved	14,652.14	118.91
		For Galvanized Fittings, Add	*444.35*	
23 21 13 23-1861	EA	18" x 12" Eccentric Reducer, Grooved	13,782.71	127.88
		For Galvanized Fittings, Add	*417.24*	
23 21 13 23-1862	EA	18" x 14" Eccentric Reducer, Grooved	12,549.88	134.60
		For Galvanized Fittings, Add	*379.08*	
23 21 13 23-1863	EA	18" x 16" Eccentric Reducer, Grooved	12,559.96	141.41
		For Galvanized Fittings, Add	*379.08*	
23 21 13 23-1864	EA	20" x 10" Eccentric Reducer, Grooved	19,256.01	121.99
		For Galvanized Fittings, Add	*585.55*	
23 21 13 23-1865	EA	20" x 12" Eccentric Reducer, Grooved	14,304.61	131.05
		For Galvanized Fittings, Add	*433.12*	
23 21 13 23-1866	EA	20" x 14" Eccentric Reducer, Grooved	13,432.71	137.77
		For Galvanized Fittings, Add	*406.04*	
23 21 13 23-1867	EA	20" x 16" Eccentric Reducer, Grooved	13,228.64	144.40
		For Galvanized Fittings, Add	*399.47*	
23 21 13 23-1868	EA	20" x 18" Eccentric Reducer, Grooved	12,739.52	150.65
		For Galvanized Fittings, Add	*384.17*	
23 21 13 23-1869	EA	24" x 12" Eccentric Reducer, Grooved	27,827.83	144.77
		For Galvanized Fittings, Add	*847.65*	
23 21 13 23-1870	EA	24" x 14" Eccentric Reducer, Grooved	23,759.28	151.40
		For Galvanized Fittings, Add	*722.44*	
23 21 13 23-1871	EA	24" x 16" Eccentric Reducer, Grooved	23,769.43	158.21
		For Galvanized Fittings, Add	*722.44*	
23 21 13 23-1872	EA	24" x 18" Eccentric Reducer, Grooved	22,442.89	164.37
		For Galvanized Fittings, Add	*681.43*	
23 21 13 23-1873	EA	24" x 20" Eccentric Reducer, Grooved	20,506.61	167.54
		For Galvanized Fittings, Add	*621.84*	

23 21 13 23-1874 Close Nipple, Grooved *(23 21 13 23-1712)*

Note: Victaulic No. 143

23 21 13 23-1875	EA	1-1/4" Ductile Iron, Grooved, Close Nipple	44.58	12.32
		For Galvanized Fittings, Add	*4.66*	
		For 300 LB Rating, Add	*3.89*	
		For Galvanized Fittings, Add	*6.63*	
23 21 13 23-1876	EA	1-1/2" Ductile Iron, Grooved, Close Nipple	51.57	15.40
		For Galvanized Fittings, Add	*5.08*	
		For 300 LB Rating, Add	*4.23*	
		For Galvanized Fittings, Add	*7.23*	
23 21 13 23-1877	EA	2" Ductile Iron, Grooved, Close Nipple	64.83	20.33
		For Galvanized Fittings, Add	*6.13*	
		For 300 LB Rating, Add	*5.10*	
		For Galvanized Fittings, Add	*8.71*	
23 21 13 23-1878	EA	2-1/2" Ductile Iron, Grooved, Close Nipple	77.55	24.65
		For Galvanized Fittings, Add	*7.24*	
		For 300 LB Rating, Add	*6.03*	
		For Galvanized Fittings, Add	*10.30*	

23 21 13 23-1879 Grooved Couplings *(23 21 13 23-1469)*

23 21 13 23-1880 Flexible Grooved Coupling *(23 21 13 23-1879)*

Note: Victaulic Style 77

23 21 13 23-1881	EA	3/4" Standard Coupling, Grooved	55.19	5.04
		For Galvanized Fittings, Add	*13.32*	
23 21 13 23-1882	EA	1" Standard Coupling, Grooved	55.19	5.04
		For Galvanized Fittings, Add	*13.32*	
23 21 13 23-1883	EA	1-1/4" Standard Coupling, Grooved	72.80	6.34
		For Galvanized Fittings, Add	*17.72*	
23 21 13 23-1884	EA	1-1/2" Standard Coupling, Grooved	80.54	7.56
		For Galvanized Fittings, Add	*19.36*	
23 21 13 23-1885	EA	2" Standard Coupling, Grooved	88.33	10.18
		For Galvanized Fittings, Add	*20.46*	
23 21 13 23-1886	EA	2-1/2" Standard Coupling, Grooved	106.05	12.41
		For Galvanized Fittings, Add	*24.49*	
23 21 13 23-1887	EA	3" Standard Coupling, Grooved	109.66	14.84
		For Galvanized Fittings, Add	*24.49*	
23 21 13 23-1888	EA	3-1/2" Standard Coupling, Grooved	167.00	17.37
		For Galvanized Fittings, Add	*39.46*	
23 21 13 23-1889	EA	4" Standard Coupling, Grooved	170.65	19.79
		For Galvanized Fittings, Add	*39.46*	
23 21 13 23-1890	EA	5" Standard Coupling, Grooved	253.22	24.83
		For Galvanized Fittings, Add	*60.50*	
23 21 13 23-1891	EA	6" Standard Coupling, Grooved	304.02	32.39
		For Galvanized Fittings, Add	*71.51*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1892	EA	8" Standard Coupling, Grooved	474.19	38.64
		For Galvanized Fittings, Add	*116.57*	
23 21 13 23-1893	EA	10" Standard Coupling, Grooved	761.36	46.30
		For Galvanized Fittings, Add	*193.73*	
23 21 13 23-1894	EA	12" Standard Coupling, Grooved	863.75	50.68
		For Galvanized Fittings, Add	*220.58*	
23 21 13 23-1895	EA	14" Standard Coupling, Grooved	1,058.31	67.58
		For Galvanized Fittings, Add	*267.97*	
23 21 13 23-1896	EA	16" Standard Coupling, Grooved	1,376.87	81.11
		For Galvanized Fittings, Add	*351.49*	
23 21 13 23-1897	EA	18" Standard Coupling, Grooved	1,605.21	90.07
		For Galvanized Fittings, Add	*411.65*	
23 21 13 23-1898	EA	20" Standard Coupling, Grooved	2,464.74	101.37
		For Galvanized Fittings, Add	*647.59*	
23 21 13 23-1899	EA	24" Standard Coupling, Grooved	2,723.32	124.70
		For Galvanized Fittings, Add	*710.18*	

23 21 13 23-1900 Zero-Flex® Rigid Coupling *(23 21 13 23-1879)*

Note: Victaulic Style 07

23 21 13 23-1901	EA	1" Rigid Coupling, Grooved	73.78	5.04
		For Galvanized Fittings, Add	*16.21*	
23 21 13 23-1902	EA	1-1/4" Rigid Coupling, Grooved	75.69	6.34
		For Galvanized Fittings, Add	*16.21*	
23 21 13 23-1903	EA	1-1/2" Rigid Coupling, Grooved	77.55	7.56
		For Galvanized Fittings, Add	*16.21*	
23 21 13 23-1904	EA	2" Rigid Coupling, Grooved	83.10	10.18
		For Galvanized Fittings, Add	*16.62*	
23 21 13 23-1905	EA	2-1/2" Rigid Coupling, Grooved	96.80	12.41
		For Galvanized Fittings, Add	*19.16*	
23 21 13 23-1906	EA	3" Rigid Coupling, Grooved	100.41	14.84
		For Galvanized Fittings, Add	*19.16*	
23 21 13 23-1907	EA	3-1/2" Rigid Coupling, Grooved	117.48	17.37
		For Galvanized Fittings, Add	*22.39*	
23 21 13 23-1908	EA	4" Rigid Coupling, Grooved	159.25	19.79
		For Galvanized Fittings, Add	*31.73*	
23 21 13 23-1909	EA	5" Rigid Coupling, Grooved	205.37	24.83
		For Galvanized Fittings, Add	*41.21*	
23 21 13 23-1910	EA	6" Rigid Coupling, Grooved	273.46	32.39
		For Galvanized Fittings, Add	*55.09*	
23 21 13 23-1911	EA	8" Rigid Coupling, Grooved	412.10	38.64
		For Galvanized Fittings, Add	*86.79*	
23 21 13 23-1912	EA	10" Rigid Coupling, Grooved	704.17	46.30
		For Galvanized Fittings, Add	*155.51*	
23 21 13 23-1913	EA	12" Rigid Coupling, Grooved	786.23	50.68
		For Galvanized Fittings, Add	*174.02*	
23 21 13 23-1914	EA	14" Rigid Coupling, Grooved	1,029.25	67.58
		For Galvanized Fittings, Add	*227.35*	
23 21 13 23-1915	EA	16" Rigid Coupling, Grooved	1,331.82	81.11
		For Galvanized Fittings, Add	*296.52*	
23 21 13 23-1916	EA	18" Rigid Coupling, Grooved	1,534.14	90.07
		For Galvanized Fittings, Add	*342.78*	
23 21 13 23-1917	EA	20" Rigid Coupling, Grooved	1,817.64	101.37
		For Galvanized Fittings, Add	*408.10*	
23 21 13 23-1918	EA	24" Rigid Coupling, Grooved	2,640.48	124.70
		For Galvanized Fittings, Add	*601.11*	

23 21 13 23-1919 Large Diameter Grooved Coupling *(23 21 13 23-1879)*

Note: Victaulic Style 770

23 21 13 23-1920	EA	28" Coupling, Grooved	2,981.29	24.83
		For Galvanized Fittings, Add	*412.18*	
23 21 13 23-1921	EA	30" Coupling, Grooved	3,438.23	32.39
		For Galvanized Fittings, Add	*474.55*	
23 21 13 23-1922	EA	32" Coupling, Grooved	5,134.03	38.64
		For Galvanized Fittings, Add	*710.66*	
23 21 13 23-1923	EA	36" Coupling, Grooved	6,832.13	46.30
		For Galvanized Fittings, Add	*946.78*	
23 21 13 23-1924	EA	42" Coupling, Grooved	13,752.84	50.68
		For Galvanized Fittings, Add	*1,914.76*	

23 21 13 23-1925 Flexible Coupling *(23 21 13 23-1879)*

Note: Victaulic Style 75

23 21 13 23-1926	EA	1-1/2" Flexible Coupling, Grooved	71.53	7.56
		For Galvanized Fittings, Add	*15.40*	
23 21 13 23-1927	EA	2" Flexible Coupling, Grooved	76.93	10.18
		For Galvanized Fittings, Add	*15.79*	
23 21 13 23-1928	EA	2-1/2" Flexible Coupling, Grooved	90.07	12.41
		For Galvanized Fittings, Add	*18.30*	
23 21 13 23-1929	EA	3" Flexible Coupling, Grooved	105.31	14.84
		For Galvanized Fittings, Add	*21.28*	
23 21 13 23-1930	EA	3-1/2" Flexible Coupling, Grooved	143.83	17.37
		For Galvanized Fittings, Add	*30.14*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1931	EA	4" Flexible Coupling, Grooved	147.48	19.79
		For Galvanized Fittings, Add	*30.14*	
23 21 13 23-1932	EA	5" Flexible Coupling, Grooved	207.05	24.83
		For Galvanized Fittings, Add	*43.49*	
23 21 13 23-1933	EA	6" Flexible Coupling, Grooved	253.28	32.39
		For Galvanized Fittings, Add	*52.39*	
23 21 13 23-1934	EA	8" Flexible Coupling, Grooved	379.57	38.64
		For Galvanized Fittings, Add	*82.36*	

23 21 13 23-1935 Installation-Ready™ Coupling *(23 21 13 23-1879)*

Note: Victaulic Style 009N

23 21 13 23-1936	EA	1-1/4" Ductile Iron, Installation-Ready™ Coupling	52.79	4.71
		For Galvanized Fittings, Add	*11.69*	
23 21 13 23-1937	EA	1-1/2" Ductile Iron, Installation-Ready™ Coupling	55.13	5.64
		For Galvanized Fittings, Add	*11.93*	
23 21 13 23-1938	EA	2" Ductile Iron, Installation-Ready™ Coupling	64.18	7.57
		For Galvanized Fittings, Add	*13.49*	
23 21 13 23-1939	EA	2-1/2" Ductile Iron, Installation-Ready™ Coupling	74.61	9.18
		For Galvanized Fittings, Add	*15.54*	
23 21 13 23-1940	EA	3" Ductile Iron, Installation-Ready™ Coupling	85.41	11.02
		For Galvanized Fittings, Add	*17.59*	
23 21 13 23-1941	EA	4" Ductile Iron, Installation-Ready™ Coupling	118.77	14.72
		For Galvanized Fittings, Add	*24.69*	
23 21 13 23-1942	EA	5" Ductile Iron, Installation-Ready™ Coupling	185.70	18.42
		For Galvanized Fittings, Add	*40.39*	
23 21 13 23-1943	EA	6" Ductile Iron, Installation-Ready™ Coupling	225.03	24.09
		For Galvanized Fittings, Add	*48.26*	
23 21 13 23-1944	EA	8" Ductile Iron, Installation-Ready™ Coupling	358.39	28.65
		For Galvanized Fittings, Add	*80.64*	

23 21 13 23-1945 Grooved Strainers And Suction Diffusers *(23 21 13 23-1469)*

23 21 13 23-1946 Grooved Wye Strainers *(23 21 13 23-1945)*

Note: Victaulic Style 732

23 21 13 23-1947	EA	2" Wye Strainer, Grooved	1,550.23	20.53
23 21 13 23-1948	EA	2-1/2" Wye Strainer, Grooved	1,633.49	24.92
23 21 13 23-1949	EA	3" Wye Strainer, Grooved	1,837.98	29.87
23 21 13 23-1950	EA	4" Wye Strainer, Grooved	2,088.94	39.85
23 21 13 23-1951	EA	5" Wye Strainer, Grooved	3,014.18	49.85
23 21 13 23-1952	EA	6" Wye Strainer, Grooved	3,288.83	64.78
23 21 13 23-1953	EA	8" Wye Strainer, Grooved	5,008.62	77.20
23 21 13 23-1954	EA	10" Wye Strainer, Grooved	8,000.56	90.25
23 21 13 23-1955	EA	12" Wye Strainer, Grooved	13,902.47	108.37

23 21 13 23-1956 Grooved Tee Type Strainers *(23 21 13 23-1945)*

Note: Victaulic Style 730

23 21 13 23-1957	EA	1-1/2" Tee Type Strainer, Grooved	1,195.86	15.59
23 21 13 23-1958	EA	2" Tee Type Strainer, Grooved	1,531.48	20.53
23 21 13 23-1959	EA	2-1/2" Tee Type Strainer, Grooved	1,613.99	24.92
23 21 13 23-1960	EA	3" Tee Type Strainer, Grooved	1,815.96	29.87
23 21 13 23-1961	EA	4" Tee Type Strainer, Grooved	2,063.97	39.85
23 21 13 23-1962	EA	5" Tee Type Strainer, Grooved	2,977.83	49.85
23 21 13 23-1963	EA	6" Tee Type Strainer, Grooved	3,249.63	64.78
23 21 13 23-1964	EA	8" Tee Type Strainer, Grooved	4,947.93	77.20
23 21 13 23-1965	EA	10" Tee Type Strainer, Grooved	7,232.42	90.25
23 21 13 23-1966	EA	12" Tee Type Strainer, Grooved	9,298.31	108.37
23 21 13 23-1967	EA	14" Tee Type Strainer, Grooved	32,747.76	121.99
23 21 13 23-1968	EA	16" Tee Type Strainer, Grooved	40,675.80	135.06
23 21 13 23-1969	EA	18" Tee Type Strainer, Grooved	53,455.34	147.57

23 21 13 23-1970 Grooved Suction Diffuser *(23 21 13 23-1945)*

Note: Victaulic Style 731

23 21 13 23-1971	EA	2-1/2" Grooved x 2" Flanged Suction Diffuser	3,150.64	23.05
23 21 13 23-1972	EA	3" Grooved x 2" Flanged Suction Diffuser	3,345.10	25.48
23 21 13 23-1973	EA	3" Grooved x 2-1/2" Flanged Suction Diffuser	2,422.14	29.87
23 21 13 23-1974	EA	3" Grooved x 3" Flanged Suction Diffuser	2,457.25	32.39
23 21 13 23-1975	EA	4" Grooved x 2-1/2" Flanged Suction Diffuser	2,660.52	32.39
23 21 13 23-1976	EA	4" Grooved x 3" Flanged Suction Diffuser	2,870.35	34.91
23 21 13 23-1977	EA	4" Grooved x 4" Flanged Suction Diffuser	3,316.20	34.91
23 21 13 23-1978	EA	5" Grooved x 4" Flanged Suction Diffuser	3,705.15	44.80
23 21 13 23-1979	EA	5" Grooved x 5" Flanged Suction Diffuser	3,893.48	47.33
23 21 13 23-1980	EA	6" Grooved x 4" Flanged Suction Diffuser	3,957.22	52.27
23 21 13 23-1981	EA	6" Grooved x 5" Flanged Suction Diffuser	4,725.88	57.31
23 21 13 23-1982	EA	6" Grooved x 6" Flanged Suction Diffuser	4,909.21	61.04
23 21 13 23-1983	EA	8" Grooved x 5" Flanged Suction Diffuser	5,037.61	63.47
23 21 13 23-1984	EA	8" Grooved x 6" Flanged Suction Diffuser	5,318.13	70.93
23 21 13 23-1985	EA	8" Grooved x 8" Flanged Suction Diffuser	9,084.46	77.20
23 21 13 23-1986	EA	10" Grooved x 8" Flanged Suction Diffuser	10,245.60	83.45
23 21 13 23-1987	EA	10" Grooved x 10" Flanged Suction Diffuser	12,324.48	86.52

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-1988	EA	12" Grooved x 10" Flanged Suction Diffuser	14,583.71	99.59
23 21 13 23-1989	EA	12" Grooved x 12" Flanged Suction Diffuser	20,236.63	105.85
23 21 13 23-1990	EA	14" Grooved x 10" Flanged Suction Diffuser	18,844.83	105.85
23 21 13 23-1991	EA	14" Grooved x 12" Flanged Suction Diffuser	21,045.88	115.18
23 21 13 23-1992	EA	14" Grooved x 14" Flanged Suction Diffuser	25,530.53	121.99
23 21 13 23-1993	EA	16" Grooved x 14" Flanged Suction Diffuser	26,284.82	128.25

23 21 13 23-1994 Grooved Steel Valves *(23 21 13 23-1469)*

23 21 13 23-1995 Grooved Butterfly Valves With Standard Trim *(23 21 13 23-1994)*

23 21 13 23-1996	EA	1-1/2" Butterfly Valve, Grooved, With Standard Trim	275.08	10.18
23 21 13 23-1997	EA	2" Butterfly Valve, Grooved, With Standard Trim	279.91	13.35
23 21 13 23-1998	EA	3" Butterfly Valve, Grooved, With Standard Trim	459.69	19.79
23 21 13 23-1999	EA	4" Butterfly Valve, Grooved, With Standard Trim	617.56	26.04
23 21 13 23-2000	EA	6" Butterfly Valve, Grooved, With Standard Trim	1,350.76	42.66
23 21 13 23-2001	EA	8" Butterfly Valve, Grooved, With Standard Trim	1,871.75	60.02
23 21 13 23-2002	EA	10" Butterfly Valve, Grooved, With Standard Trim	2,812.69	81.11

23 21 13 23-2003 Grooved Butterfly Valves With Stainless Steel Trim *(23 21 13 23-1994)*

23 21 13 23-2004	EA	1-1/2" Butterfly Valve, Grooved, With Stainless Steel Trim	414.28	10.18
23 21 13 23-2005	EA	2" Butterfly Valve, Grooved, With Stainless Steel Trim	419.10	13.35
23 21 13 23-2006	EA	3" Butterfly Valve, Grooved, With Stainless Steel Trim	648.38	19.79
23 21 13 23-2007	EA	4" Butterfly Valve, Grooved, With Stainless Steel Trim	824.81	26.04
23 21 13 23-2008	EA	6" Butterfly Valve, Grooved, With Stainless Steel Trim	1,579.66	42.66
23 21 13 23-2009	EA	8" Butterfly Valve, Grooved, With Stainless Steel Trim	2,626.50	60.02
23 21 13 23-2010	EA	10" Butterfly Valve, Grooved, With Stainless Steel Trim	4,142.80	81.11

23 21 13 23-2011 Grooved Ball Valves With Standard Trim And Handle *(23 21 13 23-1994)*

Note: Victaulic No. 721

23 21 13 23-2012	EA	1-1/2" Ball Valve, Grooved, With Standard Trim	231.82	9.98
23 21 13 23-2013	EA	2" Ball Valve, Grooved, With Standard Trim	265.24	13.72
23 21 13 23-2014	EA	2-1/2" Ball Valve, Grooved, With Standard Trim	608.07	16.80
23 21 13 23-2015	EA	3" Ball Valve, Grooved, With Standard Trim	998.58	19.89
23 21 13 23-2016	EA	4" Ball Valve, Grooved, With Standard Trim	1,555.94	26.14
23 21 13 23-2017	EA	6" Ball Valve, Grooved, With Standard Trim	4,845.00	42.94

23 21 13 23-2018 Grooved Ball Valves With Stainless Steel Trim And Handle *(23 21 13 23-1994)*

Note: Victaulic No. 721

23 21 13 23-2019	EA	1-1/2" Ball Valve, Grooved, With Stainless Steel Trim	247.06	9.98
23 21 13 23-2020	EA	2" Ball Valve, Grooved, With Stainless Steel Trim	423.50	13.72
23 21 13 23-2021	EA	2-1/2" Ball Valve, Grooved, With Stainless Steel Trim	1,107.07	16.80
23 21 13 23-2022	EA	3" Ball Valve, Grooved, With Stainless Steel Trim	1,432.00	19.89
23 21 13 23-2023	EA	4" Ball Valve, Grooved, With Stainless Steel Trim	1,956.46	26.14
23 21 13 23-2024	EA	6" Ball Valve, Grooved, With Stainless Steel Trim	5,341.29	42.94

23 21 13 23-2025 Grooved Check Valves *(23 21 13 23-1994)*

Note: Victaulic No. 712

23 21 13 23-2026	EA	2" Check Valve, Grooved	352.37	13.72
23 21 13 23-2027	EA	2-1/2" Check Valve, Grooved	572.88	16.80
23 21 13 23-2028	EA	3" Check Valve, Grooved	667.46	19.89
23 21 13 23-2029	EA	4" Check Valve, Grooved	946.47	26.14

23 21 13 23-2030 Grooved Vic-Check Check Valves *(23 21 13 23-1994)*

Note: Victaulic No. 716

23 21 13 23-2031	EA	2-1/2" "Vic-Check" Check Valve, Grooved	457.15	16.80
23 21 13 23-2032	EA	3" "Vic-Check" Check Valve, Grooved	461.69	19.89
23 21 13 23-2033	EA	4" "Vic-Check" Check Valve, Grooved	578.36	26.14
23 21 13 23-2034	EA	6" "Vic-Check" Check Valve, Grooved	1,129.01	42.94
23 21 13 23-2035	EA	8" "Vic-Check" Check Valve, Grooved	1,544.66	59.74
23 21 13 23-2036	EA	10" "Vic-Check" Check Valve, Grooved	4,333.08	80.93
23 21 13 23-2037	EA	12" "Vic-Check" Check Valve, Grooved	5,131.60	93.43

23 21 13 23-2038 Grooved Plug Valves With Lever Operator *(23 21 13 23-1994)*

Note: Victaulic No. 377

23 21 13 23-2039	EA	3" Balancing Plug Valve, Grooved, With Lever Handle	543.02	19.89
23 21 13 23-2040	EA	4" Balancing Plug Valve, Grooved, With Lever Handle	603.94	26.14
23 21 13 23-2041	EA	6" Balancing Plug Valve, Grooved, With Lever Handle	1,077.00	42.94

23 21 13 23-2042 Grooved Plug Valve With Gear Operator *(23 21 13 23-1994)*

Note: Victaulic No. 377

23 21 13 23-2043	EA	3" Balancing Plug Valve, Grooved, With Gear Operator	956.99	19.89
23 21 13 23-2044	EA	4" Balancing Plug Valve, Grooved, With Gear Operator	1,017.95	26.14
23 21 13 23-2045	EA	6" Balancing Plug Valve, Grooved, With Gear Operator	1,491.00	42.94

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2046	EA	8" Balancing Plug Valve, Grooved, With Gear Operator	1,995.20	59.74
23 21 13 23-2047	EA	10" Balancing Plug Valve, Grooved, With Gear Operator	3,126.62	80.93
23 21 13 23-2048	EA	12" Balancing Plug Valve, Grooved, With Gear Operator	4,517.66	93.43

23 21 13 23-2049 Prepare Pipe For Groove *(23 21 13 23-1469)*

23 21 13 23-2050 Cut Grooved Pipe *(23 21 13 23-2049)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2051	EA	Cut 3/4" Groove	9.78
23 21 13 23-2052	EA	Cut 1" Groove	10.62
23 21 13 23-2053	EA	Cut 1-1/4" Groove	11.99
23 21 13 23-2054	EA	Cut 1-1/2" Groove	13.04
23 21 13 23-2055	EA	Cut 2" Groove	14.29
23 21 13 23-2056	EA	Cut 2-1/2" Groove	15.48
23 21 13 23-2057	EA	Cut 3" Groove	16.89
23 21 13 23-2058	EA	Cut 3-1/2" Groove	17.91
23 21 13 23-2059	EA	Cut 4" Groove	19.06
23 21 13 23-2060	EA	Cut 5" Groove	20.64
23 21 13 23-2061	EA	Cut 6" Groove	21.24
23 21 13 23-2062	EA	Cut 8" Groove	27.52
23 21 13 23-2063	EA	Cut 10" Groove	39.12
23 21 13 23-2064	EA	Cut 12" Groove	49.54
23 21 13 23-2065	EA	Cut 14" Groove	74.31
23 21 13 23-2066	EA	Cut 16" Groove	78.22
23 21 13 23-2067	EA	Cut 18" Groove	82.57
23 21 13 23-2068	EA	Cut 20" Groove	87.43
23 21 13 23-2069	EA	Cut 24" Groove	99.09

23 21 13 23-2070 Roll Grooved Pipe *(23 21 13 23-2049)*

Note: For use where connecting ungrooved pipe with grooved pipe, coupling to grooved pipe, or for field groove preparation on existing cut pipe.

23 21 13 23-2071	EA	Roll 3/4" Groove	5.59
23 21 13 23-2072	EA	Roll 1" Groove	6.51
23 21 13 23-2073	EA	Roll 1-1/4" Groove	7.43
23 21 13 23-2074	EA	Roll 1-1/2" Groove	8.35
23 21 13 23-2075	EA	Roll 2" Groove	12.82
23 21 13 23-2076	EA	Roll 2-1/2" Groove	13.51
23 21 13 23-2077	EA	Roll 3" Groove	14.86
23 21 13 23-2078	EA	Roll 3-1/2" Groove	15.81
23 21 13 23-2079	EA	Roll 4" Groove	17.28
23 21 13 23-2080	EA	Roll 5" Groove	17.70
23 21 13 23-2081	EA	Roll 6" Groove	18.58
23 21 13 23-2082	EA	Roll 8" Groove	22.52
23 21 13 23-2083	EA	Roll 10" Groove	25.62
23 21 13 23-2084	EA	Roll 12" Groove	32.31
23 21 13 23-2085	EA	Roll 14" Groove	49.54
23 21 13 23-2086	EA	Roll 16" Groove	53.08
23 21 13 23-2087	EA	Roll 18" Groove	55.05
23 21 13 23-2088	EA	Roll 20" Groove	59.45
23 21 13 23-2089	EA	Roll 24" Groove	64.62

23 21 13 23-2090 Standard Gaskets *(23 21 13 23-2049)*

Note: For use on replacement of existing gaskets.

23 21 13 23-2091	EA	3/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.20
23 21 13 23-2092	EA	1" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	38.98
23 21 13 23-2093	EA	1-1/4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	40.47
23 21 13 23-2094	EA	1-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	44.21
23 21 13 23-2095	EA	2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	44.77
23 21 13 23-2096	EA	2-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	53.34
23 21 13 23-2097	EA	3" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	58.26
23 21 13 23-2098	EA	3-1/2" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	72.91
23 21 13 23-2099	EA	4" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	73.36
23 21 13 23-2100	EA	5" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	93.45
23 21 13 23-2101	EA	6" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	100.73
23 21 13 23-2102	EA	8" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	137.86
23 21 13 23-2103	EA	10" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	174.78
23 21 13 23-2104	EA	12" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	204.66
23 21 13 23-2105	EA	14" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	284.43
23 21 13 23-2106	EA	16" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	386.56
23 21 13 23-2107	EA	18" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	462.29
23 21 13 23-2108	EA	20" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	698.17
23 21 13 23-2109	EA	24" Grooved Standard Gasket, Ethylene Propylene Diene Monomer (EPDM) "E" Or Nitrile "T"	963.19

23 21 13 23-2110 Copper Grooved-Joint Pipe Fittings *(23 21 13 23)*

Note: Couplings are not included with fittings.

23 21 13 23-2111 Grooved Fittings *(23 21 13 23-2110)*

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2112		**Grooved 90 Degree Elbows** *(23 21 13 23-2111)*		
23 21 13 23-2113	EA	2" Copper 90 Degree Elbow, Grooved	64.32	15.22
23 21 13 23-2114	EA	2-1/2" Copper 90 Degree Elbow, Grooved	73.75	18.58
23 21 13 23-2115	EA	3" Copper 90 Degree Elbow, Grooved	96.30	22.50
23 21 13 23-2116	EA	4" Copper 90 Degree Elbow, Grooved	177.10	29.68
23 21 13 23-2117	EA	5" Copper 90 Degree Elbow, Grooved	407.79	37.15
23 21 13 23-2118	EA	6" Copper 90 Degree Elbow, Grooved	629.40	48.63
23 21 13 23-2119	EA	8" Copper 90 Degree Elbow, Grooved	1,114.80	57.87
23 21 13 23-2120		**Grooved 45 Degree Elbows** *(23 21 13 23-2111)*		
23 21 13 23-2121	EA	2" Copper 45 Degree Elbow, Grooved	64.32	15.22
23 21 13 23-2122	EA	2-1/2" Copper 45 Degree Elbow, Grooved	73.75	18.58
23 21 13 23-2123	EA	3" Copper 45 Degree Elbow, Grooved	96.30	22.50
23 21 13 23-2124	EA	4" Copper 45 Degree Elbow, Grooved	177.10	29.68
23 21 13 23-2125	EA	5" Copper 45 Degree Elbow, Grooved	407.79	37.15
23 21 13 23-2126	EA	6" Copper 45 Degree Elbow, Grooved	629.40	48.63
23 21 13 23-2127	EA	8" Copper 45 Degree Elbow, Grooved	1,114.80	57.87
23 21 13 23-2128		**Grooved Tees** *(23 21 13 23-2111)*		
23 21 13 23-2129	EA	2" Copper Tee, Grooved	100.29	22.40
23 21 13 23-2130	EA	2-1/2" Copper Tee, Grooved	113.87	27.53
23 21 13 23-2131	EA	3" Copper Tee, Grooved	155.09	33.79
23 21 13 23-2132	EA	4" Copper Tee, Grooved	279.34	43.69
23 21 13 23-2133	EA	5" Copper Tee, Grooved	958.80	57.13
23 21 13 23-2134	EA	6" Copper Tee, Grooved	806.40	71.50
23 21 13 23-2135	EA	8" Copper Tee, Grooved	1,358.24	86.81
23 21 13 23-2136		**Grooved Reducing Tees** *(23 21 13 23-2111)*		
23 21 13 23-2137	EA	2-1/2" Copper Tee, Reducing, Grooved	142.74	27.53
23 21 13 23-2138	EA	3" Copper Tee, Reducing, Grooved	216.38	33.79
23 21 13 23-2139	EA	4" Copper Tee, Reducing, Grooved	339.55	43.78
23 21 13 23-2140	EA	5" Copper Tee, Reducing, Grooved	883.80	57.22
23 21 13 23-2141	EA	6" Copper Tee, Reducing, Grooved	1,082.44	71.50
23 21 13 23-2142		**Grooved X Cup Reducing Tees** *(23 21 13 23-2111)*		
23 21 13 23-2143	EA	2" Copper Tee, Reducing, Grooved X Cup	115.73	22.40
23 21 13 23-2144	EA	2-1/2" Copper Tee, Reducing, Grooved X Cup	143.05	27.53
23 21 13 23-2145	EA	3" Copper Tee, Reducing, Grooved X Cup	230.27	33.79
23 21 13 23-2146	EA	4" Copper Tee, Reducing, Grooved X Cup	339.55	43.69
23 21 13 23-2147		**Grooved Flanged Adapter Nipples** *(23 21 13 23-2111)*		
23 21 13 23-2148	EA	2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	179.03	16.52
23 21 13 23-2149	EA	2-1/2" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	192.07	20.07
23 21 13 23-2150	EA	3" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	207.07	23.99
23 21 13 23-2151	EA	4" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	239.07	32.30
23 21 13 23-2152	EA	5" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	312.72	39.11
23 21 13 23-2153	EA	6" Copper Flanged Adapter Nipples With Groove Gasket, ANSI CL 125 And 150	360.85	52.83
23 21 13 23-2154		**Grooved Concentric Reducers** *(23 21 13 23-2111)*		
23 21 13 23-2155	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved	82.54	16.99
23 21 13 23-2156	EA	3" x 2" Copper Concentric Reducer, Grooved	86.29	18.95
23 21 13 23-2157	EA	3" x 2-1/2" Copper Concentric Reducer, Grooved	93.52	22.50
23 21 13 23-2158	EA	4" x 2" Copper Concentric Reducer, Grooved	144.40	22.68
23 21 13 23-2159	EA	4" x 2-1/2" Copper Concentric Reducer, Grooved	147.67	24.27
23 21 13 23-2160	EA	4" x 3" Copper Concentric Reducer, Grooved	151.40	26.14
23 21 13 23-2161	EA	5" x 3" Copper Concentric Reducer, Grooved	338.57	29.87
23 21 13 23-2162	EA	5" x 4" Copper Concentric Reducer, Grooved	346.04	33.60
23 21 13 23-2163	EA	6" x 3" Copper Concentric Reducer, Grooved	372.77	35.47
23 21 13 23-2164	EA	6" x 4" Copper Concentric Reducer, Grooved	380.24	39.20
23 21 13 23-2165	EA	6" x 5" Copper Concentric Reducer, Grooved	387.72	42.94
23 21 13 23-2166	EA	8" x 6" Copper Concentric Reducer, Grooved	636.12	53.20
23 21 13 23-2167		**Grooved X Cup Concentric Reducers** *(23 21 13 23-2111)*		
23 21 13 23-2168	EA	2" x 1" Copper Concentric Reducer, Grooved X Cup	63.94	11.95
23 21 13 23-2169	EA	2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	64.88	12.41
23 21 13 23-2170	EA	2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	67.73	13.82
23 21 13 23-2171	EA	2-1/2" x 1" Copper Concentric Reducer, Grooved X Cup	75.77	13.35
23 21 13 23-2172	EA	2-1/2" x 1-1/4" Copper Concentric Reducer, Grooved X Cup	76.69	13.82
23 21 13 23-2173	EA	2-1/2" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	79.43	15.22
23 21 13 23-2174	EA	2-1/2" x 2" Copper Concentric Reducer, Grooved X Cup	83.16	16.99
23 21 13 23-2175	EA	3" x 1-1/2" Copper Concentric Reducer, Grooved X Cup	95.04	16.99
23 21 13 23-2176	EA	3" x 2" Copper Concentric Reducer, Grooved X Cup	98.79	18.95

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2177	EA	4" x 2" Copper Concentric Reducer, Grooved X Cup	158.45	22.59

23 21 13 23-2178 Grooved Standard Couplings *(23 21 13 23-2111)*

23 21 13 23-2179	EA	2" Copper Standard Coupling, Grooved	26.91	7.65
23 21 13 23-2180	EA	2-1/2" Copper Standard Coupling, Grooved	31.94	9.34
23 21 13 23-2181	EA	3" Copper Standard Coupling, Grooved	36.90	11.10
23 21 13 23-2182	EA	4" Copper Standard Coupling, Grooved	52.24	14.93
23 21 13 23-2183	EA	5" Copper Standard Coupling, Grooved	75.45	18.58
23 21 13 23-2184	EA	6" Copper Standard Coupling, Grooved	99.20	24.27
23 21 13 23-2185	EA	8" Copper Standard Coupling, Grooved	136.61	28.93

23 21 13 23-2186 Grooved Caps *(23 21 13 23-2111)*

23 21 13 23-2187	EA	2" Copper Cap, Grooved	38.56	7.65
23 21 13 23-2188	EA	2-1/2" Copper Cap, Grooved	53.16	9.34
23 21 13 23-2189	EA	3" Copper Cap, Grooved	65.11	11.10
23 21 13 23-2190	EA	4" Copper Cap, Grooved	94.11	14.84
23 21 13 23-2191	EA	5" Copper Cap, Grooved	151.31	18.58
23 21 13 23-2192	EA	6" Copper Cap, Grooved	180.00	24.27

23 21 13 23-2193 Grooved Valves *(23 21 13 23-2110)*

23 21 13 23-2194 Grooved Butterfly Valves, Standard Trim, Without Operator *(23 21 13 23-2193)*

Note: Copper body.

23 21 13 23-2195	EA	2" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	454.87	9.98
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2196	EA	3" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	516.73	14.84
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2197	EA	4" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	683.08	19.50
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2198	EA	6" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	910.39	32.02
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2199	EA	8" Butterfly Valve, Grooved, With Standard Trim, Without Operator, Copper Body	1,001.82	44.99
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-2200 Grooved Butterfly Valves, Standard Trim, With Operator *(23 21 13 23-2193)*

Note: Copper body.

23 21 13 23-2201	EA	2" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	556.10	9.98
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2202	EA	3" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	618.04	14.84
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2203	EA	4" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	784.38	19.50
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2204	EA	6" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,011.76	32.02
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	
23 21 13 23-2205	EA	8" Butterfly Valve, Grooved, With Standard Trim, With Operator, Copper Body	1,103.13	44.99
		For Chain Wheel, Add	*43.45*	
		For Valve Bracket Insulation, Add	*38.20*	

23 21 13 23-2206 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23)*

Note: Socket or back weld.

23 21 13 23-2207 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2206)*

Note: ASTM D1785 with D2466 fittings.

23 21 13 23-2208 Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2207)*

23 21 13 23-2209	LF	1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	4.33	2.67
		For Work In Restricted Working Space, Add	*1.20*	
23 21 13 23-2210	LF	3/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.43	3.33
		For Work In Restricted Working Space, Add	*1.50*	
23 21 13 23-2211	LF	1" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	5.95	3.56
		For Work In Restricted Working Space, Add	*1.60*	
23 21 13 23-2212	LF	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.56	3.82
		For Work In Restricted Working Space, Add	*1.73*	
23 21 13 23-2213	LF	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	6.76	3.89
		For Work In Restricted Working Space, Add	*1.75*	
23 21 13 23-2214	LF	2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	8.25	4.66
		For Work In Restricted Working Space, Add	*2.10*	
23 21 13 23-2215	LF	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	10.30	5.54
		For Work In Restricted Working Space, Add	*2.49*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2216	LF	3" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	12.62	6.70
		For Work In Restricted Working Space, Add	*3.01*	
23 21 13 23-2217	LF	4" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	18.79	10.03
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2218	LF	6" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	26.60	13.38
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2219	LF	8" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	33.83	15.95
		For Work In Restricted Working Space, Add	*7.18*	
23 21 13 23-2220	LF	10" Schedule 40 Polyvinyl Chloride (PVC) Pressure Pipe	56.99	17.82
		For Work In Restricted Working Space, Add	*8.01*	

23 21 13 23-2221 Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2207)*

23 21 13 23-2222	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	15.66	10.08
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2223	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	20.92	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2224	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	26.39	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2225	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	37.98	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2226	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	42.65	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2227	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	55.06	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2228	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	88.68	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2229	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	115.08	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2230	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	146.74	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2231	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	205.34	88.95
		For Work In Restricted Working Space, Add	*40.01*	
23 21 13 23-2232	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	340.91	103.80
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-2233	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 90 Degree Elbows	509.72	154.75
		For Work In Restricted Working Space, Add	*69.59*	

23 21 13 23-2234 Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2207)*

23 21 13 23-2235	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	15.96	10.08
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2236	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	21.52	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2237	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	27.23	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2238	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	38.51	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2239	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	43.85	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2240	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	55.84	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2241	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	88.68	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2242	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	120.11	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2243	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	155.91	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2244	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	206.17	88.95
		For Work In Restricted Working Space, Add	*40.01*	
23 21 13 23-2245	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	330.79	103.80
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-2246	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 45 Degree Elbows	509.72	154.75
		For Work In Restricted Working Space, Add	*69.59*	

23 21 13 23-2247 Schedule 40 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2207)*

23 21 13 23-2248	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	25.61	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2249	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	30.89	20.07
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-2250	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Tees	41.22	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2251	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Tees	52.85	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2252	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	63.15	40.14
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-2253	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Tees	78.92	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2254	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Tees	112.38	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2255	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Tees	135.19	77.84
		For Work In Restricted Working Space, Add	*35.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2256	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Tees	189.10	103.80
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-2257	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Tees	313.80	133.85
		For Work In Restricted Working Space, Add	*60.22*	
23 21 13 23-2258	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Tees	511.21	166.05
		For Work In Restricted Working Space, Add	*74.67*	
23 21 13 23-2259	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Tees	1,398.40	248.09
		For Work In Restricted Working Space, Add	*111.60*	

23 21 13 23-2260 Schedule 40 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2207)*

23 21 13 23-2261	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	32.24	20.72
		For Work In Restricted Working Space, Add	*9.33*	
23 21 13 23-2262	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	38.85	25.11
		For Work In Restricted Working Space, Add	*11.29*	
23 21 13 23-2263	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Crosses	52.00	33.14
		For Work In Restricted Working Space, Add	*14.90*	
23 21 13 23-2264	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	66.83	42.09
		For Work In Restricted Working Space, Add	*18.92*	
23 21 13 23-2265	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	79.87	50.22
		For Work In Restricted Working Space, Add	*22.58*	
23 21 13 23-2266	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	100.01	62.26
		For Work In Restricted Working Space, Add	*28.00*	
23 21 13 23-2267	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Crosses	144.98	81.96
		For Work In Restricted Working Space, Add	*36.85*	
23 21 13 23-2268	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Crosses	174.85	97.26
		For Work In Restricted Working Space, Add	*43.75*	
23 21 13 23-2269	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Crosses	247.03	129.74
		For Work In Restricted Working Space, Add	*58.34*	
23 21 13 23-2270	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Crosses	428.06	167.26
		For Work In Restricted Working Space, Add	*75.24*	
23 21 13 23-2271	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Crosses	722.15	207.40
		For Work In Restricted Working Space, Add	*93.29*	
23 21 13 23-2272	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Crosses	2,074.22	310.25
		For Work In Restricted Working Space, Add	*139.56*	

23 21 13 23-2273 Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2207)*

23 21 13 23-2274	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	16.16	
		For Work In Restricted Working Space, Add	*4.69*	
23 21 13 23-2275	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	21.13	
		For Work In Restricted Working Space, Add	*6.00*	
23 21 13 23-2276	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	28.21	
		For Work In Restricted Working Space, Add	*8.01*	
23 21 13 23-2277	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	34.86	
		For Work In Restricted Working Space, Add	*9.99*	
23 21 13 23-2278	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	42.71	
		For Work In Restricted Working Space, Add	*12.02*	
23 21 13 23-2279	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	59.80	
		For Work In Restricted Working Space, Add	*16.68*	
23 21 13 23-2280	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	83.14	
		For Work In Restricted Working Space, Add	*23.06*	
23 21 13 23-2281	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	109.71	
		For Work In Restricted Working Space, Add	*28.66*	
23 21 13 23-2282	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	146.39	
		For Work In Restricted Working Space, Add	*33.34*	
23 21 13 23-2283	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	331.21	
		For Work In Restricted Working Space, Add	*38.52*	
23 21 13 23-2284	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Reducing Inserts	397.38	
		For Work In Restricted Working Space, Add	*51.67*	

23 21 13 23-2285 Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2207)*

23 21 13 23-2286	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	16.32	10.08
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2287	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	21.34	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2288	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	26.45	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2289	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	37.62	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2290	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	42.47	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2291	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	54.22	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2292	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	80.12	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2293	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	104.54	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2294	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	130.87	77.84
		For Work In Restricted Working Space, Add	*35.00*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2295		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters** *(23 21 13 23-2207)*		
23 21 13 23-2296	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	16.74	10.08
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2297	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	21.76	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2298	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	27.29	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2299	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	38.09	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2300	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	43.55	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2301	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	55.18	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2302	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	81.20	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2303	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	107.83	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2304	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	128.96	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2305		**Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters** *(23 21 13 23-2207)*		
23 21 13 23-2306	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	15.66	10.08
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2307	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	20.86	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2308	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	25.79	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2309	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	36.66	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2310	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	41.40	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2311	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	52.73	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2312	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	84.55	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2313	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	111.54	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2314	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	138.66	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2315		**Schedule 40 Polyvinyl Chloride (PVC) P-Traps** *(23 21 13 23-2207)*		
23 21 13 23-2316	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) P-Traps	24.90	13.72
		For Work In Restricted Working Space, Add	*6.16*	
23 21 13 23-2317		**Schedule 40 Polyvinyl Chloride (PVC) Couplings** *(23 21 13 23-2207)*		
23 21 13 23-2318	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	15.42	10.08
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2319	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	20.56	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2320	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Couplings	25.79	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2321	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	36.42	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2322	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	41.04	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2323	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	52.49	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2324	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Couplings	79.22	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2325	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Couplings	105.38	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2326	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Couplings	127.04	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2327	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Couplings	166.17	88.95
		For Work In Restricted Working Space, Add	*40.01*	
23 21 13 23-2328	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Couplings	216.88	103.80
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-2329	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Couplings	448.20	111.26
		For Work In Restricted Working Space, Add	*50.02*	
23 21 13 23-2330		**Schedule 40 Polyvinyl Chloride (PVC) Unions** *(23 21 13 23-2207)*		
23 21 13 23-2331	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	27.25	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2332	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	40.23	20.07
		For Work In Restricted Working Space, Add	*9.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2333	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Unions	51.04	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2334	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Unions	78.00	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2335	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	88.97	40.14
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-2336	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Unions	113.42	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2337	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Unions	168.56	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2338	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Unions	191.18	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2339	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Unions	303.30	103.80
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-2340	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Unions	398.69	133.85
		For Work In Restricted Working Space, Add	*60.20*	
23 21 13 23-2341	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Unions	575.51	165.96
		For Work In Restricted Working Space, Add	*74.63*	
23 21 13 23-2342	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Unions	847.45	206.00
		For Work In Restricted Working Space, Add	*92.67*	

23 21 13 23-2343 Schedule 40 Polyvinyl Chloride (PVC) Caps *(23 21 13 23-2207)*

23 21 13 23-2344	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	15.74	10.22
		For Work In Restricted Working Space, Add	*4.58*	
23 21 13 23-2345	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	20.68	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2346	EA	1" Schedule 40 Polyvinyl Chloride (PVC) Caps	25.85	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2347	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) Caps	37.02	23.84
		For Work In Restricted Working Space, Add	*10.71*	
23 21 13 23-2348	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	41.16	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2349	EA	2" Schedule 40 Polyvinyl Chloride (PVC) Caps	52.19	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2350	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) Caps	80.36	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2351	EA	3" Schedule 40 Polyvinyl Chloride (PVC) Caps	104.42	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2352	EA	4" Schedule 40 Polyvinyl Chloride (PVC) Caps	130.81	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2353	EA	6" Schedule 40 Polyvinyl Chloride (PVC) Caps	167.19	88.95
		For Work In Restricted Working Space, Add	*40.01*	
23 21 13 23-2354	EA	8" Schedule 40 Polyvinyl Chloride (PVC) Caps	268.75	103.80
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-2355	EA	10" Schedule 40 Polyvinyl Chloride (PVC) Caps	585.54	111.26
		For Work In Restricted Working Space, Add	*50.02*	

23 21 13 23-2356 Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges *(23 21 13 23-2207)*

23 21 13 23-2357	EA	1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Socket Weld Flanges	36.93	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2358	EA	3/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	48.56	20.07
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-2359	EA	1" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	60.26	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2360	EA	1-1/4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	71.59	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2361	EA	1-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	81.84	40.14
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-2362	EA	2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	103.42	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2363	EA	2-1/2" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	142.63	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2364	EA	3" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	165.67	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2365	EA	4" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	217.60	103.80
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-2366	EA	6" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	298.20	133.85
		For Work In Restricted Working Space, Add	*60.20*	
23 21 13 23-2367	EA	8" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	468.85	165.96
		For Work In Restricted Working Space, Add	*74.63*	
23 21 13 23-2368	EA	10" Schedule 40 Polyvinyl Chloride (PVC) 150 LB Flanges	804.45	205.72
		For Work In Restricted Working Space, Add	*92.53*	

23 21 13 23-2369 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe And Fittings *(23 21 13 23-2206)*

Note: ASTM D1785 with D2467 fittings.

23 21 13 23-2370 Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2369)*

23 21 13 23-2371	LF	1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	4.43	2.70
		For Work In Restricted Working Space, Add	*1.20*	
23 21 13 23-2372	LF	3/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	5.55	3.36
		For Work In Restricted Working Space, Add	*1.50*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2373	LF	1" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	6.81	4.01
		For Work In Restricted Working Space, Add	*1.80*	
23 21 13 23-2374	LF	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	8.11	4.67
		For Work In Restricted Working Space, Add	*2.11*	
23 21 13 23-2375	LF	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	9.32	5.32
		For Work In Restricted Working Space, Add	*2.40*	
23 21 13 23-2376	LF	2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	11.93	6.72
		For Work In Restricted Working Space, Add	*3.01*	
23 21 13 23-2377	LF	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	13.87	7.37
		For Work In Restricted Working Space, Add	*3.31*	
23 21 13 23-2378	LF	3" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	15.80	8.03
		For Work In Restricted Working Space, Add	*3.61*	
23 21 13 23-2379	LF	4" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	20.58	10.08
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2380	LF	6" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	30.57	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2381	LF	8" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	39.91	15.96
		For Work In Restricted Working Space, Add	*7.18*	
23 21 13 23-2382	LF	10" Schedule 80 Polyvinyl Chloride (PVC) Pressure Pipe	75.02	17.17
		For Work In Restricted Working Space, Add	*7.73*	

23 21 13 23-2383 Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows *(23 21 13 23-2369)*

23 21 13 23-2384	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	17.22	10.08
		For Work In Restricted Working Space, Add	*4.52*	
		For Threaded Fittings, Add	*2.26*	
23 21 13 23-2385	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	22.89	13.35
		For Work In Restricted Working Space, Add	*6.02*	
		For Threaded Fittings, Add	*3.01*	
23 21 13 23-2386	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	29.44	16.62
		For Work In Restricted Working Space, Add	*7.47*	
		For Threaded Fittings, Add	*3.73*	
23 21 13 23-2387	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	41.27	23.52
		For Work In Restricted Working Space, Add	*10.57*	
		For Threaded Fittings, Add	*5.28*	
23 21 13 23-2388	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	46.19	26.51
		For Work In Restricted Working Space, Add	*11.92*	
		For Threaded Fittings, Add	*5.96*	
23 21 13 23-2389	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	58.30	33.69
		For Work In Restricted Working Space, Add	*15.14*	
		For Threaded Fittings, Add	*7.57*	
23 21 13 23-2390	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	93.06	49.85
		For Work In Restricted Working Space, Add	*22.40*	
		For Threaded Fittings, Add	*11.20*	
23 21 13 23-2391	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	118.91	65.53
		For Work In Restricted Working Space, Add	*29.48*	
		For Threaded Fittings, Add	*14.74*	
23 21 13 23-2392	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	148.06	77.84
		For Work In Restricted Working Space, Add	*35.00*	
		For Threaded Fittings, Add	*17.50*	
23 21 13 23-2393	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	246.72	88.95
		For Work In Restricted Working Space, Add	*40.01*	
		For Threaded Fittings, Add	*20.00*	
23 21 13 23-2394	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	402.00	103.80
		For Work In Restricted Working Space, Add	*46.67*	
		For Threaded Fittings, Add	*23.33*	
23 21 13 23-2395	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 90 Degree Elbows	538.60	173.98
		For Work In Restricted Working Space, Add	*78.25*	
		For Threaded Fittings, Add	*39.13*	

23 21 13 23-2396 Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows *(23 21 13 23-2369)*

23 21 13 23-2397	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	19.19	10.08
		For Work In Restricted Working Space, Add	*4.52*	
		For Threaded Fittings, Add	*2.26*	
23 21 13 23-2398	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	26.37	13.35
		For Work In Restricted Working Space, Add	*6.02*	
		For Threaded Fittings, Add	*3.01*	
23 21 13 23-2399	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	34.35	16.62
		For Work In Restricted Working Space, Add	*7.47*	
		For Threaded Fittings, Add	*3.73*	
23 21 13 23-2400	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	47.32	23.52
		For Work In Restricted Working Space, Add	*10.57*	
		For Threaded Fittings, Add	*5.28*	
23 21 13 23-2401	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	53.97	26.51
		For Work In Restricted Working Space, Add	*11.92*	
		For Threaded Fittings, Add	*5.96*	
23 21 13 23-2402	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	68.96	33.69
		For Work In Restricted Working Space, Add	*15.14*	
		For Threaded Fittings, Add	*7.57*	
23 21 13 23-2403	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	113.60	49.85
		For Work In Restricted Working Space, Add	*22.40*	
		For Threaded Fittings, Add	*11.20*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2404	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	145.62	65.53
		For Work In Restricted Working Space, Add	*29.48*	
		For Threaded Fittings, Add	*14.74*	
23 21 13 23-2405	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	202.03	77.84
		For Work In Restricted Working Space, Add	*35.00*	
		For Threaded Fittings, Add	*17.50*	
23 21 13 23-2406	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	240.80	88.95
		For Work In Restricted Working Space, Add	*40.01*	
		For Threaded Fittings, Add	*20.00*	
23 21 13 23-2407	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	388.54	103.80
		For Work In Restricted Working Space, Add	*46.67*	
		For Threaded Fittings, Add	*23.33*	
23 21 13 23-2408	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 45 Degree Elbows	523.46	173.98
		For Work In Restricted Working Space, Add	*78.25*	
		For Threaded Fittings, Add	*39.13*	

23 21 13 23-2409 Schedule 80 Polyvinyl Chloride (PVC) Tees *(23 21 13 23-2369)*

23 21 13 23-2410	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	29.80	15.77
		For Work In Restricted Working Space, Add	*7.09*	
		For Threaded Fittings, Add	*3.54*	
23 21 13 23-2411	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	36.58	20.07
		For Work In Restricted Working Space, Add	*9.03*	
		For Threaded Fittings, Add	*4.52*	
23 21 13 23-2412	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Tees	47.81	26.51
		For Work In Restricted Working Space, Add	*11.92*	
		For Threaded Fittings, Add	*5.96*	
23 21 13 23-2413	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Tees	72.79	33.69
		For Work In Restricted Working Space, Add	*15.14*	
		For Threaded Fittings, Add	*7.57*	
23 21 13 23-2414	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	82.56	40.14
		For Work In Restricted Working Space, Add	*18.07*	
		For Threaded Fittings, Add	*9.03*	
23 21 13 23-2415	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Tees	102.64	49.85
		For Work In Restricted Working Space, Add	*22.40*	
		For Threaded Fittings, Add	*11.20*	
23 21 13 23-2416	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Tees	128.68	65.53
		For Work In Restricted Working Space, Add	*29.48*	
		For Threaded Fittings, Add	*14.74*	
23 21 13 23-2417	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Tees	154.65	77.84
		For Work In Restricted Working Space, Add	*35.00*	
		For Threaded Fittings, Add	*17.50*	
23 21 13 23-2418	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Tees	199.58	103.80
		For Work In Restricted Working Space, Add	*46.67*	
		For Threaded Fittings, Add	*23.33*	
23 21 13 23-2419	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Tees	351.12	133.85
		For Work In Restricted Working Space, Add	*60.22*	
		For Threaded Fittings, Add	*30.11*	
23 21 13 23-2420	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Tees	597.71	166.05
		For Work In Restricted Working Space, Add	*74.67*	
		For Threaded Fittings, Add	*37.34*	
23 21 13 23-2421	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Tees	1,398.47	248.09
		For Work In Restricted Working Space, Add	*111.60*	
		For Threaded Fittings, Add	*55.80*	

23 21 13 23-2422 Schedule 80 Polyvinyl Chloride (PVC) Crosses *(23 21 13 23-2369)*

23 21 13 23-2423	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	39.21	19.69
		For Work In Restricted Working Space, Add	*8.86*	
		For Threaded Fittings, Add	*4.43*	
23 21 13 23-2424	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	47.77	25.11
		For Work In Restricted Working Space, Add	*11.29*	
		For Threaded Fittings, Add	*5.64*	
23 21 13 23-2425	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Crosses	62.32	33.14
		For Work In Restricted Working Space, Add	*14.90*	
		For Threaded Fittings, Add	*7.45*	
23 21 13 23-2426	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	98.09	42.09
		For Work In Restricted Working Space, Add	*18.92*	
		For Threaded Fittings, Add	*9.46*	
23 21 13 23-2427	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	110.29	50.22
		For Work In Restricted Working Space, Add	*22.58*	
		For Threaded Fittings, Add	*11.29*	
23 21 13 23-2428	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	137.18	62.26
		For Work In Restricted Working Space, Add	*28.00*	
		For Threaded Fittings, Add	*14.00*	
23 21 13 23-2429	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Crosses	170.52	81.96
		For Work In Restricted Working Space, Add	*36.85*	
		For Threaded Fittings, Add	*18.42*	
23 21 13 23-2430	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Crosses	205.37	97.26
		For Work In Restricted Working Space, Add	*43.75*	
		For Threaded Fittings, Add	*21.88*	
23 21 13 23-2431	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Crosses	263.47	129.74
		For Work In Restricted Working Space, Add	*58.34*	
		For Threaded Fittings, Add	*29.17*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2432	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Crosses	486.56	167.26
		For Work In Restricted Working Space, Add	*75.24*	
		For Threaded Fittings, Add	*37.62*	
23 21 13 23-2433	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Crosses	857.75	207.40
		For Work In Restricted Working Space, Add	*93.29*	
		For Threaded Fittings, Add	*46.64*	
23 21 13 23-2434	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Crosses	2,074.33	310.25
		For Work In Restricted Working Space, Add	*139.56*	
		For Threaded Fittings, Add	*69.78*	

23 21 13 23-2435 Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts *(23 21 13 23-2369)*

23 21 13 23-2436	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	21.34	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2437	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	28.54	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2438	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	40.97	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2439	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	47.56	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2440	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	61.65	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2441	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	94.07	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2442	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	129.09	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2443	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	159.44	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2444	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	180.78	88.95
		For Work In Restricted Working Space, Add	*40.01*	
23 21 13 23-2445	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	260.84	103.80
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-2446	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Reducing Inserts	405.89	120.50
		For Work In Restricted Working Space, Add	*54.22*	

23 21 13 23-2447 Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts *(23 21 13 23-2369)*

23 21 13 23-2448	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	15.48	10.08
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2449	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	22.42	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2450	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	28.54	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2451	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	42.65	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2452	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	49.06	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2453	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	61.89	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2454	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	98.86	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2455	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	143.04	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2456	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Threaded Reducing Inserts	185.55	77.84
		For Work In Restricted Working Space, Add	*35.00*	

23 21 13 23-2457 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters *(23 21 13 23-2369)*

23 21 13 23-2458	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	20.15	10.08
		For Work In Restricted Working Space, Add	*4.52*	
23 21 13 23-2459	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	25.71	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2460	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	34.71	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2461	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	46.72	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2462	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	56.25	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2463	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	72.01	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2464	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	99.22	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2465	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	125.50	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2466	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Male Adapters	165.13	77.84
		For Work In Restricted Working Space, Add	*35.00*	

23 21 13 23-2467 Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters *(23 21 13 23-2369)*

23 21 13 23-2468	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	18.77	10.08
		For Work In Restricted Working Space, Add	*4.52*	

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23 21 13 23-2469	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	25.59	13.35
		For Work In Restricted Working Space, Add	*6.02*	
23 21 13 23-2470	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	33.03	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2471	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	48.45	23.52
		For Work In Restricted Working Space, Add	*10.57*	
23 21 13 23-2472	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	55.95	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2473	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	78.72	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2474	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	119.35	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2475	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	148.55	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2476	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Socket Weld X Threaded Female Adapters	203.16	77.84
		For Work In Restricted Working Space, Add	*35.00*	

23 21 13 23-2477 Schedule 80 Polyvinyl Chloride (PVC) Couplings *(23 21 13 23-2369)*

23 21 13 23-2478	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	19.01	10.08
		For Work In Restricted Working Space, Add	*4.52*	
		For Threaded Fittings, Add	*2.26*	
23 21 13 23-2479	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	25.41	13.35
		For Work In Restricted Working Space, Add	*6.02*	
		For Threaded Fittings, Add	*3.01*	
23 21 13 23-2480	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Couplings	30.40	16.62
		For Work In Restricted Working Space, Add	*7.47*	
		For Threaded Fittings, Add	*3.73*	
23 21 13 23-2481	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	43.66	23.52
		For Work In Restricted Working Space, Add	*10.57*	
		For Threaded Fittings, Add	*5.28*	
23 21 13 23-2482	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	48.82	26.51
		For Work In Restricted Working Space, Add	*11.92*	
		For Threaded Fittings, Add	*5.96*	
23 21 13 23-2483	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	60.15	33.69
		For Work In Restricted Working Space, Add	*15.14*	
		For Threaded Fittings, Add	*7.57*	
23 21 13 23-2484	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Couplings	98.68	49.85
		For Work In Restricted Working Space, Add	*22.40*	
		For Threaded Fittings, Add	*11.20*	
23 21 13 23-2485	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Couplings	125.86	65.53
		For Work In Restricted Working Space, Add	*29.48*	
		For Threaded Fittings, Add	*14.74*	
23 21 13 23-2486	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Couplings	151.29	77.84
		For Work In Restricted Working Space, Add	*35.00*	
		For Threaded Fittings, Add	*17.50*	
23 21 13 23-2487	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Couplings	207.79	88.95
		For Work In Restricted Working Space, Add	*40.01*	
		For Threaded Fittings, Add	*20.00*	
23 21 13 23-2488	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Couplings	256.89	103.80
		For Work In Restricted Working Space, Add	*46.67*	
		For Threaded Fittings, Add	*23.33*	
23 21 13 23-2489	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Couplings	466.17	111.26
		For Work In Restricted Working Space, Add	*50.02*	
		For Threaded Fittings, Add	*25.01*	

23 21 13 23-2490 Schedule 80 Polyvinyl Chloride (PVC) Unions *(23 21 13 23-2369)*

23 21 13 23-2491	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	33.75	16.62
		For Work In Restricted Working Space, Add	*7.47*	
23 21 13 23-2492	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	40.35	20.07
		For Work In Restricted Working Space, Add	*9.03*	
23 21 13 23-2493	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Unions	51.40	26.51
		For Work In Restricted Working Space, Add	*11.92*	
23 21 13 23-2494	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Unions	79.68	33.69
		For Work In Restricted Working Space, Add	*15.14*	
23 21 13 23-2495	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	97.83	40.14
		For Work In Restricted Working Space, Add	*18.07*	
23 21 13 23-2496	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Unions	125.63	49.85
		For Work In Restricted Working Space, Add	*22.40*	
23 21 13 23-2497	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Unions	193.14	65.53
		For Work In Restricted Working Space, Add	*29.48*	
23 21 13 23-2498	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Unions	238.99	77.84
		For Work In Restricted Working Space, Add	*35.00*	
23 21 13 23-2499	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Unions	303.66	103.80
		For Work In Restricted Working Space, Add	*46.67*	
23 21 13 23-2500	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Unions	398.69	133.85
		For Work In Restricted Working Space, Add	*60.20*	
23 21 13 23-2501	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Unions	575.51	165.96
		For Work In Restricted Working Space, Add	*74.63*	
23 21 13 23-2502	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Unions	846.97	205.72
		For Work In Restricted Working Space, Add	*92.53*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2503		**Schedule 80 Polyvinyl Chloride (PVC) Threaded Unions** *(23 21 13 23-2369)*		
23 21 13 23-2504	EA	1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	35.87	20.74
23 21 13 23-2505	EA	3/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	42.59	23.99
23 21 13 23-2506	EA	1", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	51.38	28.29
23 21 13 23-2507	EA	1-1/4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	67.48	33.69
23 21 13 23-2508	EA	1-1/2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	81.20	40.14
23 21 13 23-2509	EA	2", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	106.71	49.85
23 21 13 23-2510	EA	3", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	226.05	96.61
23 21 13 23-2511	EA	4", Scheduler 80, Polyvinyl Chloride (PVC) Threaded Union	245.79	107.16
23 21 13 23-2512		**Schedule 80 Polyvinyl Chloride (PVC) Caps** *(23 21 13 23-2369)*		
23 21 13 23-2513	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	20.63	10.08
		For Work In Restricted Working Space, Add	*4.52*	
		For Threaded Fittings, Add	*2.26*	
23 21 13 23-2514	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	25.95	13.35
		For Work In Restricted Working Space, Add	*6.02*	
		For Threaded Fittings, Add	*3.01*	
23 21 13 23-2515	EA	1" Schedule 80 Polyvinyl Chloride (PVC) Caps	35.31	16.62
		For Work In Restricted Working Space, Add	*7.47*	
		For Threaded Fittings, Add	*3.73*	
23 21 13 23-2516	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) Caps	47.80	23.52
		For Work In Restricted Working Space, Add	*10.57*	
		For Threaded Fittings, Add	*5.28*	
23 21 13 23-2517	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	52.30	26.51
		For Work In Restricted Working Space, Add	*11.92*	
		For Threaded Fittings, Add	*5.96*	
23 21 13 23-2518	EA	2" Schedule 80 Polyvinyl Chloride (PVC) Caps	69.31	33.69
		For Work In Restricted Working Space, Add	*15.14*	
		For Threaded Fittings, Add	*7.57*	
23 21 13 23-2519	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) Caps	113.42	49.85
		For Work In Restricted Working Space, Add	*22.40*	
		For Threaded Fittings, Add	*11.20*	
23 21 13 23-2520	EA	3" Schedule 80 Polyvinyl Chloride (PVC) Caps	145.62	65.53
		For Work In Restricted Working Space, Add	*29.48*	
		For Threaded Fittings, Add	*14.74*	
23 21 13 23-2521	EA	4" Schedule 80 Polyvinyl Chloride (PVC) Caps	192.86	77.84
		For Work In Restricted Working Space, Add	*35.00*	
		For Threaded Fittings, Add	*17.50*	
23 21 13 23-2522	EA	6" Schedule 80 Polyvinyl Chloride (PVC) Caps	322.60	88.95
		For Work In Restricted Working Space, Add	*40.01*	
		For Threaded Fittings, Add	*20.00*	
23 21 13 23-2523	EA	8" Schedule 80 Polyvinyl Chloride (PVC) Caps	415.53	103.80
		For Work In Restricted Working Space, Add	*46.67*	
		For Threaded Fittings, Add	*23.33*	
23 21 13 23-2524	EA	10" Schedule 80 Polyvinyl Chloride (PVC) Caps	645.42	111.26
		For Work In Restricted Working Space, Add	*50.02*	
		For Threaded Fittings, Add	*25.01*	
23 21 13 23-2525		**Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges** *(23 21 13 23-2369)*		
23 21 13 23-2526	EA	1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	42.08	16.62
		For Work In Restricted Working Space, Add	*7.47*	
		For Threaded Fittings, Add	*3.73*	
23 21 13 23-2527	EA	3/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	48.56	20.07
		For Work In Restricted Working Space, Add	*9.03*	
		For Threaded Fittings, Add	*4.52*	
23 21 13 23-2528	EA	1" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	60.26	26.51
		For Work In Restricted Working Space, Add	*11.92*	
		For Threaded Fittings, Add	*5.96*	
23 21 13 23-2529	EA	1-1/4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	71.59	33.69
		For Work In Restricted Working Space, Add	*15.14*	
		For Threaded Fittings, Add	*7.57*	
23 21 13 23-2530	EA	1-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	81.84	40.14
		For Work In Restricted Working Space, Add	*18.07*	
		For Threaded Fittings, Add	*9.03*	
23 21 13 23-2531	EA	2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	103.42	49.85
		For Work In Restricted Working Space, Add	*22.40*	
		For Threaded Fittings, Add	*11.20*	
23 21 13 23-2532	EA	2-1/2" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	142.63	65.53
		For Work In Restricted Working Space, Add	*29.48*	
		For Threaded Fittings, Add	*14.74*	
23 21 13 23-2533	EA	3" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	165.67	77.84
		For Work In Restricted Working Space, Add	*35.00*	
		For Threaded Fittings, Add	*17.50*	
23 21 13 23-2534	EA	4" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	217.60	103.80
		For Work In Restricted Working Space, Add	*46.67*	
		For Threaded Fittings, Add	*23.33*	
23 21 13 23-2535	EA	6" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	298.21	133.85
		For Work In Restricted Working Space, Add	*60.20*	
		For Threaded Fittings, Add	*30.10*	
23 21 13 23-2536	EA	8" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	468.85	165.96
		For Work In Restricted Working Space, Add	*74.63*	
		For Threaded Fittings, Add	*37.32*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2537	EA	10" Schedule 80 Polyvinyl Chloride (PVC) 150 LB Flanges	804.45	205.72
		For Work In Restricted Working Space, Add	*92.53*	
		For Threaded Fittings, Add	*46.26*	

23 21 13 23-2538 Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe *(23 21 13 23-2206)*

Note: In place pipe.

23 21 13 23-2539	EA	1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.07	
		For Work In Restricted Working Space, Add	*1.52*	
23 21 13 23-2540	EA	3/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	5.47	
		For Work In Restricted Working Space, Add	*1.64*	
23 21 13 23-2541	EA	1", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.16	
		For Work In Restricted Working Space, Add	*1.85*	
23 21 13 23-2542	EA	1-1/4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.46	
		For Work In Restricted Working Space, Add	*1.94*	
23 21 13 23-2543	EA	1-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	6.84	
		For Work In Restricted Working Space, Add	*2.05*	
23 21 13 23-2544	EA	2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	7.53	
		For Work In Restricted Working Space, Add	*2.26*	
23 21 13 23-2545	EA	2-1/2", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	8.10	
		For Work In Restricted Working Space, Add	*2.43*	
23 21 13 23-2546	EA	3", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	9.57	
		For Work In Restricted Working Space, Add	*2.87*	
23 21 13 23-2547	EA	4", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	12.92	
		For Work In Restricted Working Space, Add	*3.88*	
23 21 13 23-2548	EA	6", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	18.46	
		For Work In Restricted Working Space, Add	*5.54*	
23 21 13 23-2549	EA	8", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	24.63	
		For Work In Restricted Working Space, Add	*7.39*	
23 21 13 23-2550	EA	10", Cut And Prepare Existing Polyvinyl Chloride (PVC) Pressure Pipe	30.11	
		For Work In Restricted Working Space, Add	*9.03*	

23 21 13 23-2551 Polyethylene Pipe And Fittings *(23 21 13 23)*

23 21 13 23-2552 Small Diameter Tubing *(23 21 13 23-2551)*

23 21 13 23-2553 Tubing *(23 21 13 23-2552)*

23 21 13 23-2554	LF	1/4" Polyethylene Tubing	2.89	
		For Work In Restricted Working Space, Add	*0.84*	
23 21 13 23-2555	LF	5/16" Polyethylene Tubing	3.02	
		For Work In Restricted Working Space, Add	*0.86*	
23 21 13 23-2556	LF	3/8" Polyethylene Tubing	3.12	
		For Work In Restricted Working Space, Add	*0.88*	
23 21 13 23-2557	LF	1/2" Polyethylene Tubing	3.31	
		For Work In Restricted Working Space, Add	*0.95*	

23 21 13 23-2558 Chrome Plated Pipe *(23 21 13 23)*

23 21 13 23-2559 Chrome Plated Nipples *(23 21 13 23-2558)*

23 21 13 23-2560 Close *(23 21 13 23-2559)*

23 21 13 23-2561	EA	1/4" Diameter Chrome Plated Nipple, Close	18.70	8.10
23 21 13 23-2562	EA	3/8" Diameter Chrome Plated Nipple, Close	17.68	8.82
23 21 13 23-2563	EA	1/2" Diameter Chrome Plated Nipple, Close	22.13	10.14
23 21 13 23-2564	EA	3/4" Diameter Chrome Plated Nipple, Close	29.13	12.87
23 21 13 23-2565	EA	1" Diameter Chrome Plated Nipple, Close	39.07	16.92
23 21 13 23-2566	EA	1-1/4" Diameter Chrome Plated Nipple, Close	55.40	23.61
23 21 13 23-2567	EA	1-1/2" Diameter Chrome Plated Nipple, Close	67.83	27.67
23 21 13 23-2568	EA	2" Diameter Chrome Plated Nipple, Close	87.68	34.46

23 21 13 23-2569 1-1/2" Nipples *(23 21 13 23-2559)*

23 21 13 23-2570	EA	1/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	20.02	8.42
23 21 13 23-2571	EA	3/8" Diameter, 1-1/2" Length, Chrome Plated Nipple	18.69	9.12
23 21 13 23-2572	EA	1/2" Diameter, 1-1/2" Length, Chrome Plated Nipple	22.66	10.44
23 21 13 23-2573	EA	3/4" Diameter, 1-1/2" Length, Chrome Plated Nipple	30.18	13.17

23 21 13 23-2574 2" Nipples *(23 21 13 23-2559)*

23 21 13 23-2575	EA	1/4" Diameter, 2" Length, Chrome Plated Nipple	20.83	8.82
23 21 13 23-2576	EA	3/8" Diameter, 2" Length, Chrome Plated Nipple	19.34	9.42
23 21 13 23-2577	EA	1/2" Diameter, 2" Length, Chrome Plated Nipple	24.52	10.84
23 21 13 23-2578	EA	3/4" Diameter, 2" Length, Chrome Plated Nipple	31.75	13.48
23 21 13 23-2579	EA	1" Diameter, 2" Length, Chrome Plated Nipple	41.39	17.54
23 21 13 23-2580	EA	1-1/4" Diameter, 2" Length, Chrome Plated Nipple	59.26	24.32
23 21 13 23-2581	EA	1-1/2" Diameter, 2" Length, Chrome Plated Nipple	72.34	28.38

23 21 13 23-2582 2-1/2" Nipples *(23 21 13 23-2559)*

23 21 13 23-2583	EA	1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	22.05	9.12
23 21 13 23-2584	EA	3/8" Diameter, 2-1/2" Length, Chrome Plated Nipple	20.04	9.83

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2585	EA	1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	25.60	11.15
23 21 13 23-2586	EA	3/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	32.51	13.89
23 21 13 23-2587	EA	1" Diameter, 2-1/2" Length, Chrome Plated Nipple	42.59	17.94
23 21 13 23-2588	EA	1-1/4" Diameter, 2-1/2" Length, Chrome Plated Nipple	63.07	24.62
23 21 13 23-2589	EA	1-1/2" Diameter, 2-1/2" Length, Chrome Plated Nipple	77.42	28.68
23 21 13 23-2590	EA	2" Diameter, 2-1/2" Length, Chrome Plated Nipple	98.73	35.47
23 21 13 23-2591		**3" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2592	EA	1/4" Diameter, 3" Length, Chrome Plated Nipple	22.99	9.42
23 21 13 23-2593	EA	3/8" Diameter, 3" Length, Chrome Plated Nipple	21.29	10.14
23 21 13 23-2594	EA	1/2" Diameter, 3" Length, Chrome Plated Nipple	25.31	10.84
23 21 13 23-2595	EA	3/4" Diameter, 3" Length, Chrome Plated Nipple	35.26	14.19
23 21 13 23-2596	EA	1" Diameter, 3" Length, Chrome Plated Nipple	48.28	18.24
23 21 13 23-2597	EA	1-1/4" Diameter, 3" Length, Chrome Plated Nipple	67.21	25.04
23 21 13 23-2598	EA	1-1/2" Diameter, 3" Length, Chrome Plated Nipple	89.51	29.09
23 21 13 23-2599	EA	2" Diameter, 3" Length, Chrome Plated Nipple	108.18	35.88
23 21 13 23-2600		**3-1/2" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2601	EA	1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	24.05	9.83
23 21 13 23-2602	EA	3/8" Diameter, 3-1/2" Length, Chrome Plated Nipple	23.46	10.44
23 21 13 23-2603	EA	1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	27.91	11.85
23 21 13 23-2604	EA	3/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	39.36	14.49
23 21 13 23-2605	EA	1" Diameter, 3-1/2" Length, Chrome Plated Nipple	50.43	18.54
23 21 13 23-2606	EA	1-1/4" Diameter, 3-1/2" Length, Chrome Plated Nipple	75.44	25.34
23 21 13 23-2607	EA	1-1/2" Diameter, 3-1/2" Length, Chrome Plated Nipple	93.09	29.39
23 21 13 23-2608	EA	2" Diameter, 3-1/2" Length, Chrome Plated Nipple	115.69	36.18
23 21 13 23-2609		**4" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2610	EA	1/4" Diameter, 4" Length, Chrome Plated Nipple	25.11	10.14
23 21 13 23-2611	EA	3/8" Diameter, 4" Length, Chrome Plated Nipple	24.03	10.84
23 21 13 23-2612	EA	1/2" Diameter, 4" Length, Chrome Plated Nipple	28.25	11.45
23 21 13 23-2613	EA	3/4" Diameter, 4" Length, Chrome Plated Nipple	40.94	14.90
23 21 13 23-2614	EA	1" Diameter, 4" Length, Chrome Plated Nipple	52.47	18.95
23 21 13 23-2615	EA	1-1/4" Diameter, 4" Length, Chrome Plated Nipple	81.68	25.64
23 21 13 23-2616	EA	1-1/2" Diameter, 4" Length, Chrome Plated Nipple	100.50	29.69
23 21 13 23-2617	EA	2" Diameter, 4" Length, Chrome Plated Nipple	124.88	36.49
23 21 13 23-2618		**4-1/2" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2619	EA	1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	26.05	10.44
23 21 13 23-2620	EA	3/8" Diameter, 4-1/2" Length, Chrome Plated Nipple	26.20	11.15
23 21 13 23-2621	EA	1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	31.01	12.47
23 21 13 23-2622	EA	3/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	42.75	15.20
23 21 13 23-2623	EA	1" Diameter, 4-1/2" Length, Chrome Plated Nipple	59.70	19.26
23 21 13 23-2624	EA	1-1/4" Diameter, 4-1/2" Length, Chrome Plated Nipple	87.66	26.04
23 21 13 23-2625	EA	1-1/2" Diameter, 4-1/2" Length, Chrome Plated Nipple	103.78	30.10
23 21 13 23-2626	EA	2" Diameter, 4-1/2" Length, Chrome Plated Nipple	133.33	36.89
23 21 13 23-2627		**5" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2628	EA	1/4" Diameter, 5" Length, Chrome Plated Nipple	29.44	10.84
23 21 13 23-2629	EA	3/8" Diameter, 5" Length, Chrome Plated Nipple	27.53	11.45
23 21 13 23-2630	EA	1/2" Diameter, 5" Length, Chrome Plated Nipple	32.15	12.87
23 21 13 23-2631	EA	3/4" Diameter, 5" Length, Chrome Plated Nipple	44.48	15.50
23 21 13 23-2632	EA	1" Diameter, 5" Length, Chrome Plated Nipple	64.07	19.56
23 21 13 23-2633	EA	1-1/4" Diameter, 5" Length, Chrome Plated Nipple	93.10	26.35
23 21 13 23-2634	EA	1-1/2" Diameter, 5" Length, Chrome Plated Nipple	111.22	30.41
23 21 13 23-2635	EA	2" Diameter, 5" Length, Chrome Plated Nipple	138.76	37.19
23 21 13 23-2636		**5-1/2" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2637	EA	1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	30.40	11.15
23 21 13 23-2638	EA	3/8" Diameter, 5-1/2" Length, Chrome Plated Nipple	28.56	11.85
23 21 13 23-2639	EA	1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	35.53	13.17
23 21 13 23-2640	EA	3/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	46.22	15.91
23 21 13 23-2641	EA	1" Diameter, 5-1/2" Length, Chrome Plated Nipple	66.31	19.97
23 21 13 23-2642	EA	1-1/4" Diameter, 5-1/2" Length, Chrome Plated Nipple	99.70	26.66
23 21 13 23-2643	EA	1-1/2" Diameter, 5-1/2" Length, Chrome Plated Nipple	117.15	30.71
23 21 13 23-2644	EA	2" Diameter, 5-1/2" Length, Chrome Plated Nipple	145.69	37.50
23 21 13 23-2645		**6" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2646	EA	1/4" Diameter, 6" Length, Chrome Plated Nipple	31.54	11.45
23 21 13 23-2647	EA	3/8" Diameter, 6" Length, Chrome Plated Nipple	29.10	12.17
23 21 13 23-2648	EA	1/2" Diameter, 6" Length, Chrome Plated Nipple	36.58	13.48
23 21 13 23-2649	EA	3/4" Diameter, 6" Length, Chrome Plated Nipple	47.61	16.22
23 21 13 23-2650	EA	1" Diameter, 6" Length, Chrome Plated Nipple	73.34	20.27

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2651	EA	1-1/4" Diameter, 6" Length, Chrome Plated Nipple	103.73	27.06
23 21 13 23-2652	EA	1-1/2" Diameter, 6" Length, Chrome Plated Nipple	126.30	31.11
23 21 13 23-2653	EA	2" Diameter, 6" Length, Chrome Plated Nipple	152.04	37.91
23 21 13 23-2654		**8" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2655	EA	3/8" Diameter, 8" Length, Chrome Plated Nipple	35.23	12.87
23 21 13 23-2656	EA	1/2" Diameter, 8" Length, Chrome Plated Nipple	53.56	14.19
23 21 13 23-2657	EA	3/4" Diameter, 8" Length, Chrome Plated Nipple	65.23	16.92
23 21 13 23-2658	EA	1" Diameter, 8" Length, Chrome Plated Nipple	87.16	20.97
23 21 13 23-2659	EA	1-1/4" Diameter, 8" Length, Chrome Plated Nipple	125.78	27.67
23 21 13 23-2660	EA	1-1/2" Diameter, 8" Length, Chrome Plated Nipple	155.20	31.72
23 21 13 23-2661	EA	2" Diameter, 8" Length, Chrome Plated Nipple	191.42	38.51
23 21 13 23-2662		**10" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2663	EA	3/8" Diameter, 10" Length, Chrome Plated Nipple	41.26	12.87
23 21 13 23-2664	EA	1/2" Diameter, 10" Length, Chrome Plated Nipple	61.15	14.19
23 21 13 23-2665	EA	3/4" Diameter, 10" Length, Chrome Plated Nipple	74.02	16.92
23 21 13 23-2666	EA	1" Diameter, 10" Length, Chrome Plated Nipple	100.46	20.97
23 21 13 23-2667	EA	1-1/4" Diameter, 10" Length, Chrome Plated Nipple	154.26	27.67
23 21 13 23-2668	EA	1-1/2" Diameter, 10" Length, Chrome Plated Nipple	176.89	31.72
23 21 13 23-2669	EA	2" Diameter, 10" Length, Chrome Plated Nipple	226.10	38.51
23 21 13 23-2670		**12" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2671	EA	3/8" Diameter, 12" Length, Chrome Plated Nipple	46.08	14.19
23 21 13 23-2672	EA	1/2" Diameter, 12" Length, Chrome Plated Nipple	64.01	14.90
23 21 13 23-2673	EA	3/4" Diameter, 12" Length, Chrome Plated Nipple	82.10	17.54
23 21 13 23-2674	EA	1" Diameter, 12" Length, Chrome Plated Nipple	118.66	22.29
23 21 13 23-2675	EA	1-1/4" Diameter, 12" Length, Chrome Plated Nipple	173.70	29.09
23 21 13 23-2676	EA	2" Diameter, 12" Length, Chrome Plated Nipple	255.89	39.93
23 21 13 23-2677		**18" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2678	EA	3/8" Diameter, 18" Length, Chrome Plated Nipple	59.77	14.90
23 21 13 23-2679		**24" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2680	EA	3/8" Diameter, 24" Length, Chrome Plated Nipple	72.87	15.50
23 21 13 23-2681		**30" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2682	EA	3/8" Diameter, 30" Length, Chrome Plated Nipple	81.14	16.22
23 21 13 23-2683		**36" Nipples** *(23 21 13 23-2559)*		
23 21 13 23-2684	EA	3/8" Diameter, 36" Length, Chrome Plated Nipple	89.44	16.92
23 21 13 23-2685		**Chrome Plated Fittings** *(23 21 13 23-2558)*		
23 21 13 23-2686		**Chrome Plated 90 Degree Elbows** *(23 21 13 23-2685)*		
23 21 13 23-2687	EA	1/4" 90 Degree Elbow, Chrome Plated	24.33	9.42
23 21 13 23-2688	EA	3/8" 90 Degree Elbow, Chrome Plated	24.69	10.14
23 21 13 23-2689	EA	1/2" 90 Degree Elbow, Chrome Plated	27.94	10.84
23 21 13 23-2690	EA	3/4" 90 Degree Elbow, Chrome Plated	35.56	14.19
23 21 13 23-2691	EA	1" 90 Degree Elbow, Chrome Plated	48.54	18.24
23 21 13 23-2692	EA	1-1/4" 90 Degree Elbow, Chrome Plated	75.47	25.04
23 21 13 23-2693	EA	1-1/2" 90 Degree Elbow, Chrome Plated	90.92	29.09
23 21 13 23-2694	EA	2" 90 Degree Elbow, Chrome Plated	125.50	35.88
23 21 13 23-2695		**Chrome Plated Street 90 Degree Elbows** *(23 21 13 23-2685)*		
23 21 13 23-2696	EA	1/4" Street 90 Degree Elbow, Chrome Plated	28.58	9.42
23 21 13 23-2697	EA	3/8" Street 90 Degree Elbow, Chrome Plated	29.35	10.14
23 21 13 23-2698	EA	1/2" Street 90 Degree Elbow, Chrome Plated	31.18	10.84
23 21 13 23-2699	EA	3/4" Street 90 Degree Elbow, Chrome Plated	40.33	14.19
23 21 13 23-2700	EA	1" Street 90 Degree Elbow, Chrome Plated	57.36	18.24
23 21 13 23-2701	EA	1-1/4" Street 90 Degree Elbow, Chrome Plated	84.51	25.04
23 21 13 23-2702	EA	1-1/2" Street 90 Degree Elbow, Chrome Plated	103.58	29.09
23 21 13 23-2703	EA	2" Street 90 Degree Elbow, Chrome Plated	155.30	35.88
23 21 13 23-2704		**Chrome Plated 45 Degree Elbows** *(23 21 13 23-2685)*		
23 21 13 23-2705	EA	1/4" 45 Degree Elbow, Chrome Plated	25.26	9.42
23 21 13 23-2706	EA	3/8" 45 Degree Elbow, Chrome Plated	26.03	10.14
23 21 13 23-2707	EA	1/2" 45 Degree Elbow, Chrome Plated	28.90	10.84
23 21 13 23-2708	EA	3/4" 45 Degree Elbow, Chrome Plated	39.20	14.19

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2709	EA	1" 45 Degree Elbow, Chrome Plated	52.63	18.24
23 21 13 23-2710	EA	1-1/4" 45 Degree Elbow, Chrome Plated	80.37	25.04
23 21 13 23-2711	EA	1-1/2" 45 Degree Elbow, Chrome Plated	97.48	29.09
23 21 13 23-2712	EA	2" 45 Degree Elbow, Chrome Plated	143.53	35.88

23 21 13 23-2713 Chrome Plated Street 45 Degree Elbows *(23 21 13 23-2685)*

23 21 13 23-2714	EA	1/2" Street 45 Degree Elbow, Chrome Plated	34.74	10.84

23 21 13 23-2715 Chrome Plated Couplings *(23 21 13 23-2685)*

23 21 13 23-2716	EA	1/4" Coupling, Chrome Plated	23.75	9.42
23 21 13 23-2717	EA	3/8" Coupling, Chrome Plated	24.76	10.14
23 21 13 23-2718	EA	1/2" Coupling, Chrome Plated	28.18	10.84
23 21 13 23-2719	EA	3/4" Coupling, Chrome Plated	35.64	14.19
23 21 13 23-2720	EA	1" Coupling, Chrome Plated	46.53	18.24
23 21 13 23-2721	EA	1-1/4" Coupling, Chrome Plated	68.12	25.04
23 21 13 23-2722	EA	1-1/2" Coupling, Chrome Plated	84.77	29.09
23 21 13 23-2723	EA	2" Coupling, Chrome Plated	118.00	35.88

23 21 13 23-2724 Chrome Plated Unions *(23 21 13 23-2685)*

23 21 13 23-2725	EA	1/4" Union, Chrome Plated	39.30	10.84
23 21 13 23-2726	EA	3/8" Union, Chrome Plated	40.34	11.45
23 21 13 23-2727	EA	1/2" Union, Chrome Plated	49.03	12.87
23 21 13 23-2728	EA	3/4" Union, Chrome Plated	60.55	16.92
23 21 13 23-2729	EA	1" Union, Chrome Plated	76.49	21.59
23 21 13 23-2730	EA	1-1/4" Union, Chrome Plated	125.65	29.09
23 21 13 23-2731	EA	1-1/2" Union, Chrome Plated	156.91	34.46
23 21 13 23-2732	EA	2" Union, Chrome Plated	205.59	41.96

23 21 13 23-2733 Chrome Plated Caps *(23 21 13 23-2685)*

23 21 13 23-2734	EA	1/4" Cap, Chrome Plated	16.42	4.77
23 21 13 23-2735	EA	3/8" Cap, Chrome Plated	16.92	5.07
23 21 13 23-2736	EA	1/2" Cap, Chrome Plated	19.41	5.37
23 21 13 23-2737	EA	3/4" Cap, Chrome Plated	24.13	7.10
23 21 13 23-2738	EA	1" Cap, Chrome Plated	28.50	9.12
23 21 13 23-2739	EA	1-1/4" Cap, Chrome Plated	42.32	12.47
23 21 13 23-2740	EA	1-1/2" Cap, Chrome Plated	56.28	14.49
23 21 13 23-2741	EA	2" Cap, Chrome Plated	82.89	18.95

23 21 13 23-2742 Chrome Plated Plugs *(23 21 13 23-2685)*

23 21 13 23-2743	EA	1/4" Plug, Chrome Plated	13.18	4.77
23 21 13 23-2744	EA	3/8" Plug, Chrome Plated	13.68	5.07
23 21 13 23-2745	EA	1/2" Plug, Chrome Plated	16.00	5.37
23 21 13 23-2746	EA	3/4" Plug, Chrome Plated	21.70	7.10
23 21 13 23-2747	EA	1" Plug, Chrome Plated	26.65	9.12
23 21 13 23-2748	EA	1-1/4" Plug, Chrome Plated	35.93	12.47
23 21 13 23-2749	EA	1-1/2" Plug, Chrome Plated	44.58	14.49
23 21 13 23-2750	EA	2" Plug, Chrome Plated	62.55	18.95

23 21 13 23-2751 Chrome Plated Tees *(23 21 13 23-2685)*

23 21 13 23-2752	EA	1/4" Chrome Plated Tee	33.52	14.19
23 21 13 23-2753	EA	3/8" Chrome Plated Tee	35.54	15.50
23 21 13 23-2754	EA	1/2" Chrome Plated Tee	39.73	16.92
23 21 13 23-2755	EA	3/4" Chrome Plated Tee	49.51	20.97
23 21 13 23-2756	EA	1" Chrome Plated Tee	71.14	27.06
23 21 13 23-2757	EA	1-1/4" Chrome Plated Tee	98.10	37.19
23 21 13 23-2758	EA	1-1/2" Chrome Plated Tee	126.77	43.28
23 21 13 23-2759	EA	2" Chrome Plated Tee	175.53	53.41

23 21 13 23-2760 Chrome Plated Reducing 90 Degree Elbows *(23 21 13 23-2685)*

23 21 13 23-2761	EA	1/2" x 3/8" Reducing 90 Degree Elbow, Chrome Plated	37.57	16.92
23 21 13 23-2762	EA	3/4" x 1/2" Reducing 90 Degree Elbow, Chrome Plated	43.65	20.97

23 21 13 23-2763 Chrome Plated Bell Reducers *(23 21 13 23-2685)*

23 21 13 23-2764	EA	1/2" x 3/8" Bell Reducer, Chrome Plated	41.48	16.92
23 21 13 23-2765	EA	3/4" x 1/2" Bell Reducer, Chrome Plated	50.40	20.97
23 21 13 23-2766	EA	1" x 1/2" Bell Reducer, Chrome Plated	63.91	27.06

23 21 13 23-2767 Chrome Plated Reducing Tees *(23 21 13 23-2685)*

23 21 13 23-2768	EA	3/4" x 1/2" Reducing Tee, Chrome Plated	55.37	20.97

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 13 23-2769		**Chrome Plated Bushings** *(23 21 13 23-2685)*		
23 21 13 23-2770	EA	3/8" x 1/4" Bushing, Chrome Plated	13.08	4.77
23 21 13 23-2771	EA	1/2" x 1/4" Bushing, Chrome Plated	14.09	5.07
23 21 13 23-2772	EA	1/2" x 3/8" Bushing, Chrome Plated	14.59	5.37
23 21 13 23-2773	EA	3/4" x 1/2" Bushing, Chrome Plated	18.48	7.10
23 21 13 23-2774	EA	1" x 3/4" Bushing, Chrome Plated	27.27	9.12
23 21 13 23-2775	EA	1-1/4" x 1" Bushing, Chrome Plated	40.14	12.47
23 21 16		**Hydronic Piping Specialties** *(23 21)*		
23 21 16 00-0001		**Air Vents** *(23 21 16)*		
23 21 16 00-0002		**Screwed Ends, Cast Iron, Automatic Air Vents** *(23 21 16 00-0001)*		
		Note: With guided free floating lever.		
23 21 16 00-0003	EA	1/2" NPT, Cast Iron, Automatic Air Vent	267.28	29.40
23 21 16 00-0004	EA	3/4" NPT, Cast Iron, Automatic Air Vent	327.49	39.03
23 21 16 00-0005	EA	1" NPT, Cast Iron, Automatic Air Vent	741.49	40.56
23 21 16 00-0006	EA	1-1/4" NPT, Cast Iron, Automatic Air Vent	1,099.75	62.66
23 21 16 00-0007	EA	1-1/2" NPT, Cast Iron, Automatic Air Vent	1,829.66	67.43
23 21 16 00-0008	EA	2" NPT, Cast Iron, Automatic Air Vent	2,102.32	88.93
23 21 16 00-0009		**Forged Steel, Stainless Steel Internals, Automatic Air Vents** *(23 21 16 00-0001)*		
		Note: With guided free floating lever.		
23 21 16 00-0010	EA	1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,487.82	33.97
23 21 16 00-0011	EA	3/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	1,863.56	39.03
23 21 16 00-0012	EA	1" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	2,221.72	40.56
23 21 16 00-0013	EA	1-1/4" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	3,644.02	62.86
23 21 16 00-0014	EA	1-1/2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	4,207.17	67.43
23 21 16 00-0015	EA	2" NPT, Forged Steel, Stainless Steel Internals, Automatic Air Vent	6,181.83	88.72
23 21 16 00-0016		**Automatic Air Vent** *(23 21 16 00-0001)*		
23 21 16 00-0017	EA	3/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	178.92	39.03
23 21 16 00-0018	EA	1" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	194.84	40.56
23 21 16 00-0019	EA	1-1/4" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	278.44	62.66
23 21 16 00-0020	EA	1-1/2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	339.30	67.43
23 21 16 00-0021	EA	2" NPT, Brass, Automatic Air Eliminator (Spirotherm VJR)	426.47	72.66
23 21 16 00-0022		**Manual Air Vent** *(23 21 16 00-0001)*		
23 21 16 00-0023	EA	Manual Air Vent	78.38	36.60
23 21 16 00-0024		**Air Release Valves** *(23 21 16 00-0001)*		
23 21 16 00-0025		**Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)** *(23 21 16 00-0024)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0026	EA	1/2" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	174.88	15.21
23 21 16 00-0027	EA	3/4" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	178.94	17.23
23 21 16 00-0028	EA	1" NPT, Simple Lever, Cast Iron, Clean Water Air Release Valves (Apco 50)	187.04	21.30
23 21 16 00-0029		**Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)** *(23 21 16 00-0024)*		
		Note: Up to 175 psi. Stainless steel float.		
23 21 16 00-0030	EA	1" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200A)	717.64	21.30
23 21 16 00-0031	EA	2" NPT, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	860.52	37.01
23 21 16 00-0032	EA	3" Flanged, Cast Iron, Compound Lever, Clean Water Air Release Valves (Apco 200)	1,128.24	86.29
23 21 16 00-0033		**Cast Iron, Air/Vacuum Valves** *(23 21 16 00-0024)*		
		Note: Up to 150 psi. Stainless steel float.		
23 21 16 00-0034	EA	1/2" NPT, Cast Iron, Air/Vacuum Valve (Apco 141)	346.85	15.21
23 21 16 00-0035	EA	1" NPT, Cast Iron, Air/Vacuum Valve (Apco 142)	427.80	21.30
23 21 16 00-0036	EA	2" NPT, Cast Iron, Air/Vacuum Valve (Apco 144)	738.99	37.01
23 21 16 00-0037	EA	3" Flanged, Cast Iron, Air/Vacuum Valve (Apco 146)	1,073.21	86.29
23 21 16 00-0038	EA	4" Flanged, Cast Iron, Air/Vacuum Valve (Apco 152)	1,678.39	144.85
23 21 16 00-0039	EA	6" Flanged, Cast Iron, Air/Vacuum Valve (Apco 153)	2,556.35	183.17
23 21 16 00-0040		**Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice** *(23 21 16 00-0024)*		
		Note: Up to 150 psi. Stainless Steel float.		
23 21 16 00-0041	EA	1" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 143C)	620.42	21.30
23 21 16 00-0042	EA	2" NPT, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 145C)	952.24	37.01
23 21 16 00-0043	EA	3" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 147C)	1,749.65	86.29
23 21 16 00-0044	EA	4" Flanged, Ductile Iron, Combination Air Release And Vacuum Valves, Single Body Double Orifice (Apco 149C)	2,267.69	144.85

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST

23 21 16 00-0045 Vent Valves *(23 21 16)*

23 21 16 00-0046	EA	1/8", 1.5 PSIG Operating Pressure, Non Vacuum Adjustable Angle Radiator Steam Vent Valve (Hoffman 1A)	60.24	15.21
23 21 16 00-0047	EA	1/2" x 3/4", 35 PSIG Operating Pressure, Straight Steam Unit Heater Air Vent Valve (Hoffman 74)	135.78	16.36
23 21 16 00-0048	EA	1/2" x 3/4", 3 PSIG Operating Pressure, Non Vacuum Main Steam Air Vent Valve (Hoffman 75)	129.80	16.36
23 21 16 00-0049	EA	1/2" x 3/4", 10 PSIG Operating Pressure, Non Vacuum Straight Non-Vacuum Main Steam Air Vent Valve (Hoffman 75H)	133.99	16.36
23 21 16 00-0050	EA	3/4", 150 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 78)	170.61	16.36
23 21 16 00-0051	EA	1/2" x 3/4", 75 PSIG Operating Pressure, Straight Water Main Vent Valve (Hoffman 79)	128.16	16.36

23 21 16 00-0052 Threaded Inlet, Drip-Pan Elbow *(23 21 16)*

23 21 16 00-0053 Cast Iron, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0052)*

23 21 16 00-0054	EA	2-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	213.47	25.56
		For Flanged Inlet, Add	*76.31*	
23 21 16 00-0055	EA	3" Cast Iron, Threaded Inlet, Drip-Pan Elbow	242.63	30.30
		For Flanged Inlet, Add	*81.93*	
23 21 16 00-0056	EA	3-1/2" Cast Iron, Threaded Inlet, Drip-Pan Elbow	303.83	35.03
		For Flanged Inlet, Add	*110.52*	
23 21 16 00-0057	EA	4" Cast Iron, Threaded Inlet, Drip-Pan Elbow	446.43	39.76
		For Flanged Inlet, Add	*194.46*	
23 21 16 00-0058	EA	5" Cast Iron, Threaded Inlet, Drip-Pan Elbow	505.46	47.33
		For Flanged Inlet, Add	*214.96*	
23 21 16 00-0059	EA	6" Cast Iron, Threaded Inlet, Drip-Pan Elbow	698.64	59.64
		For Flanged Inlet, Add	*314.14*	
23 21 16 00-0060	EA	8" Cast Iron, Threaded Inlet, Drip-Pan Elbow	1,544.85	78.57
		For Flanged Inlet, Add	*835.92*	

23 21 16 00-0061 Cast Steel, Threaded Inlet, Drip-Pan Elbow *(23 21 16 00-0052)*

23 21 16 00-0062	EA	2-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	399.76	25.56
		For Flanged Inlet, Add	*202.99*	
23 21 16 00-0063	EA	3" Cast Steel, Threaded Inlet, Drip-Pan Elbow	483.86	30.30
		For Flanged Inlet, Add	*245.96*	
23 21 16 00-0064	EA	3-1/2" Cast Steel, Threaded Inlet, Drip-Pan Elbow	680.37	35.03
		For Flanged Inlet, Add	*366.57*	
23 21 16 00-0065	EA	4" Cast Steel, Threaded Inlet, Drip-Pan Elbow	699.53	39.76
		For Flanged Inlet, Add	*366.57*	
23 21 16 00-0066	EA	5" Cast Steel, Threaded Inlet, Drip-Pan Elbow	993.64	47.33
		For Flanged Inlet, Add	*546.92*	
23 21 16 00-0067	EA	6" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,040.97	59.64
		For Flanged Inlet, Add	*546.92*	
23 21 16 00-0068	EA	8" Cast Steel, Threaded Inlet, Drip-Pan Elbow	1,696.73	78.57
		For Flanged Inlet, Add	*939.20*	

23 21 16 00-0069 Y-Type Strainers *(23 21 16)*

23 21 16 00-0070 Screwed Ends, 250 LB, Iron Body, Y-Type Strainers *(23 21 16 00-0069)*

23 21 16 00-0071	EA	1/4" Or 3/8" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	73.83	11.35
		For Galvanized Body, Add	*20.69*	
		For Work In Restricted Working Space, Add	*9.74*	
23 21 16 00-0072	EA	1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	74.33	11.56
		For Galvanized Body, Add	*20.69*	
		For Work In Restricted Working Space, Add	*9.89*	
23 21 16 00-0073	EA	3/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	94.00	15.62
		For Galvanized Body, Add	*24.70*	
		For Work In Restricted Working Space, Add	*13.38*	
23 21 16 00-0074	EA	1" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	119.97	18.65
		For Galvanized Body, Add	*33.37*	
		For Work In Restricted Working Space, Add	*15.97*	
23 21 16 00-0075	EA	1-1/4" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	157.35	23.07
		For Galvanized Body, Add	*45.72*	
		For Work In Restricted Working Space, Add	*19.77*	
23 21 16 00-0076	EA	1-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	181.11	24.85
		For Galvanized Body, Add	*55.07*	
		For Work In Restricted Working Space, Add	*21.29*	
23 21 16 00-0077	EA	2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	250.64	28.39
		For Galvanized Body, Add	*84.77*	
		For Work In Restricted Working Space, Add	*24.33*	
23 21 16 00-0078	EA	2-1/2" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	482.51	35.48
		For Galvanized Body, Add	*190.56*	
		For Work In Restricted Working Space, Add	*30.42*	
23 21 16 00-0079	EA	3" Screwed Ends, 250 LB, Iron Body, Y-Type Strainer	624.65	44.41
		For Galvanized Body, Add	*248.96*	
		For Work In Restricted Working Space, Add	*38.02*	

23 21 16 00-0080 Flanged, 125 LB, Iron Body , Y-Type Strainers *(23 21 16 00-0069)*

23 21 16 00-0081	EA	1-1/2" Flanged, 125 LB, Iron Body, Y-Type Strainer	266.24	106.46
		For Galvanized Body, Add	*66.42*	
		For Work In Restricted Working Space, Add	*40.02*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0082	EA	2" Flanged, 125 LB, Iron Body, Y-Type Strainer	312.74	135.16
		For Galvanized Body, Add	*71.88*	
		For Work In Restricted Working Space, Add	*50.70*	
23 21 16 00-0083	EA	3" Flanged, 125 LB, Iron Body, Y-Type Strainer	558.42	172.37
		For Galvanized Body, Add	*171.35*	
		For Work In Restricted Working Space, Add	*64.72*	
23 21 16 00-0084	EA	4" Flanged, 125 LB, Iron Body, Y-Type Strainer	751.02	288.97
		For Galvanized Body, Add	*194.45*	
		For Work In Restricted Working Space, Add	*108.64*	
23 21 16 00-0085	EA	5" Flanged, 125 LB, Iron Body, Y-Type Strainer	800.06	292.44
		For Galvanized Body, Add	*217.54*	
		For Work In Restricted Working Space, Add	*109.50*	
23 21 16 00-0086	EA	6" Flanged, 125 LB, Iron Body, Y-Type Strainer	947.95	324.93
		For Galvanized Body, Add	*270.17*	
		For Work In Restricted Working Space, Add	*122.28*	
23 21 16 00-0087	EA	8" Flanged, 125 LB, Iron Body, Y-Type Strainer	1,579.96	415.19
		For Galvanized Body, Add	*532.10*	
		For Work In Restricted Working Space, Add	*154.73*	
23 21 16 00-0088	EA	10" Flanged, 125 LB, Iron Body, Y-Type Strainer	3,003.72	505.44
		For Galvanized Body, Add	*1,185.96*	
		For Work In Restricted Working Space, Add	*189.54*	
23 21 16 00-0089	EA	12" Flanged, 125 LB, Iron Body, Y-Type Strainer	3,368.85	451.29
		For Galvanized Body, Add	*1,233.14*	
		For Work In Restricted Working Space, Add	*270.77*	

23 21 16 00-0090 Screwed Ends, 150 LB, Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With screwed cap (4" size has bolted cap).

23 21 16 00-0091	EA	1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	58.64	11.56
		For 300 LB Rating, Add	*43.67*	
		For Work In Restricted Working Space, Add	*9.89*	
23 21 16 00-0092	EA	3/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	78.01	15.62
		For 300 LB Rating, Add	*56.78*	
		For Work In Restricted Working Space, Add	*13.38*	
23 21 16 00-0093	EA	1" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	95.30	18.65
		For 300 LB Rating, Add	*71.52*	
		For Work In Restricted Working Space, Add	*15.97*	
23 21 16 00-0094	EA	1-1/4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	118.58	23.07
		For 300 LB Rating, Add	*89.54*	
		For Work In Restricted Working Space, Add	*19.77*	
23 21 16 00-0095	EA	1-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	139.39	24.85
		For 300 LB Rating, Add	*116.30*	
		For Work In Restricted Working Space, Add	*21.29*	
23 21 16 00-0096	EA	2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	192.24	28.39
		For 300 LB Rating, Add	*188.92*	
		For Work In Restricted Working Space, Add	*24.33*	
23 21 16 00-0097	EA	2-1/2" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	284.79	35.48
		For 300 LB Rating, Add	*311.76*	
		For Work In Restricted Working Space, Add	*30.42*	
23 21 16 00-0098	EA	3" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	506.98	44.41
		For 300 LB Rating, Add	*646.41*	
		For Work In Restricted Working Space, Add	*38.02*	
23 21 16 00-0099	EA	4" Screwed Ends, 150 LB, Bronze Body, Y-Type Strainer	873.73	53.23
		For 300 LB Rating, Add	*1,226.79*	
		For Work In Restricted Working Space, Add	*45.63*	

23 21 16 00-0100 Flanged, 150 LB, Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: With bolted cap.

23 21 16 00-0101	EA	2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	488.18	135.16
		For 300 LB Rating, Add	*191.51*	
		For Work In Restricted Working Space, Add	*50.70*	
23 21 16 00-0102	EA	2-1/2" Flanged, 150 LB, Bronze Body, Y-Type Strainer	509.55	147.02
		For 300 LB Rating, Add	*195.12*	
		For Work In Restricted Working Space, Add	*55.31*	
23 21 16 00-0103	EA	3" Flanged, 150 LB, Bronze Body, Y-Type Strainer	588.12	172.37
		For 300 LB Rating, Add	*223.43*	
		For Work In Restricted Working Space, Add	*64.72*	
23 21 16 00-0104	EA	4" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,266.97	288.97
		For 300 LB Rating, Add	*542.90*	
		For Work In Restricted Working Space, Add	*108.64*	
23 21 16 00-0105	EA	6" Flanged, 150 LB, Bronze Body, Y-Type Strainer	1,779.20	324.93
		For 300 LB Rating, Add	*822.95*	
		For Work In Restricted Working Space, Add	*122.28*	
23 21 16 00-0106	EA	8" Flanged, 150 LB, Bronze Body, Y-Type Strainer	2,856.49	415.19
		For 300 LB Rating, Add	*1,404.44*	
		For Work In Restricted Working Space, Add	*154.73*	
23 21 16 00-0107	EA	10" Flanged, 150 LB, Bronze Body, Y-Type Strainer	9,033.00	505.44
		For 300 LB Rating, Add	*5,040.72*	
		For Work In Restricted Working Space, Add	*189.54*	

23 21 16 00-0108 Class 125, Crimped Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

Note: Nibco®

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0109	EA	1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	137.84	10.14
		For Work In Restricted Working Space, Add	*6.84*	
23 21 16 00-0110	EA	3/4" Class 125, Crimped Bronze Body, Y-Type Strainer	159.68	11.15
		For Work In Restricted Working Space, Add	*7.79*	
23 21 16 00-0111	EA	1" Class 125, Crimped Bronze Body, Y-Type Strainer	227.31	12.67
		For Work In Restricted Working Space, Add	*9.31*	
23 21 16 00-0112	EA	1-1/4" Class 125, Crimped Bronze Body, Y-Type Strainer	304.76	13.48
		For Work In Restricted Working Space, Add	*10.26*	
23 21 16 00-0113	EA	1-1/2" Class 125, Crimped Bronze Body, Y-Type Strainer	366.92	15.61
		For Work In Restricted Working Space, Add	*11.40*	
23 21 16 00-0114	EA	2" Class 125, Crimped Bronze Body, Y-Type Strainer	543.37	18.44
		For Work In Restricted Working Space, Add	*13.68*	

23 21 16 00-0115 250 PSI, Crimped Bronze Body, Y-Type Strainers *(23 21 16 00-0069)*

23 21 16 00-0116	EA	1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	72.30	10.14
23 21 16 00-0117	EA	3/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	88.37	11.15
23 21 16 00-0118	EA	1" 250 PSI, Crimped Bronze Body, Y-Type Strainer	130.03	12.67
23 21 16 00-0119	EA	1-1/4" 250 PSI, Crimped Bronze Body, Y-Type Strainer	159.20	13.48
23 21 16 00-0120	EA	1-1/2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	190.18	15.61
23 21 16 00-0121	EA	2" 250 PSI, Crimped Bronze Body, Y-Type Strainer	250.05	18.44

23 21 16 00-0122 Cast Iron Body, Suction Diffusers *(23 21 16)*

Note: 175 PSI, steel inlet vanes, steel orifice cylinder and 16 mesh bronze startup strainer.

23 21 16 00-0123	EA	2" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	435.89	39.95
		For Work In Restricted Working Space, Add	*19.56*	
23 21 16 00-0124	EA	2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	457.94	44.31
		For Work In Restricted Working Space, Add	*21.73*	
23 21 16 00-0125	EA	2-1/2" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	465.31	46.53
		For Work In Restricted Working Space, Add	*22.82*	
23 21 16 00-0126	EA	2-1/2" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	881.25	147.02
		For Work In Restricted Working Space, Add	*55.31*	
23 21 16 00-0127	EA	3" x 1-1/2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	481.28	54.15
		For Work In Restricted Working Space, Add	*26.51*	
23 21 16 00-0128	EA	3" x 2" Screwed Ends, 175 LB, Cast Iron Body, Suction Diffuser	544.30	54.15
		For Work In Restricted Working Space, Add	*26.51*	
23 21 16 00-0129	EA	3" x 2-1/2" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	922.89	160.03
		For Work In Restricted Working Space, Add	*60.01*	
23 21 16 00-0130	EA	3" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	942.29	172.37
		For Work In Restricted Working Space, Add	*64.72*	
23 21 16 00-0131	EA	4" x 3" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,145.23	231.14
		For Work In Restricted Working Space, Add	*86.68*	
23 21 16 00-0132	EA	4" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,348.17	288.97
		For Work In Restricted Working Space, Add	*108.64*	
23 21 16 00-0133	EA	6" x 4" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,543.79	291.98
		For Work In Restricted Working Space, Add	*109.50*	
23 21 16 00-0134	EA	6" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	1,864.43	324.93
		For Work In Restricted Working Space, Add	*122.28*	
23 21 16 00-0135	EA	8" x 6" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	2,109.74	415.19
		For Work In Restricted Working Space, Add	*154.73*	
23 21 16 00-0136	EA	8" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,255.17	415.19
		For Work In Restricted Working Space, Add	*154.73*	
23 21 16 00-0137	EA	10" x 8" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	3,719.66	505.44
		For Work In Restricted Working Space, Add	*189.54*	
23 21 16 00-0138	EA	10" x 10" Flanged, 175 LB, Cast Iron Body, Suction Diffuser	4,346.13	505.44
		For Work In Restricted Working Space, Add	*189.54*	

23 21 16 00-0139 Duplex Strainers *(23 21 16)*

23 21 16 00-0140 Iron Body, Duplex Strainers *(23 21 16 00-0139)*

23 21 16 00-0141 Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0140)*

Note: With brass or stainless steel basket.

23 21 16 00-0142	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	705.74	25.25
		For Work In Restricted Working Space, Add	*15.16*	
23 21 16 00-0143	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	788.12	28.90
		For Work In Restricted Working Space, Add	*17.35*	
23 21 16 00-0144	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,067.76	33.97
		For Work In Restricted Working Space, Add	*20.37*	
23 21 16 00-0145	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,343.48	37.01
		For Work In Restricted Working Space, Add	*22.21*	
23 21 16 00-0146	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	1,800.21	45.12
		For Work In Restricted Working Space, Add	*27.16*	
23 21 16 00-0147	EA	2-1/2" Screwed Ends, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,265.46	57.80
		For Work In Restricted Working Space, Add	*34.67*	

23 21 16 00-0148 Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainers *(23 21 16 00-0140)*

Note: With brass or stainless steel basket.

23 21 16 00-0149	EA	2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,455.39	135.16
		For Work In Restricted Working Space, Add	*50.70*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0150	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	2,539.00	147.02
		For Work In Restricted Working Space, Add	*55.31*	
23 21 16 00-0151	EA	3" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	3,252.89	172.37
		For Work In Restricted Working Space, Add	*64.72*	
23 21 16 00-0152	EA	4" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	5,099.90	257.23
		For Work In Restricted Working Space, Add	*96.71*	
23 21 16 00-0153	EA	6" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	9,962.71	324.93
		For Work In Restricted Working Space, Add	*122.28*	
23 21 16 00-0154	EA	8" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	18,943.46	415.19
		For Work In Restricted Working Space, Add	*154.73*	
23 21 16 00-0155	EA	10" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	26,157.58	505.44
		For Work In Restricted Working Space, Add	*189.54*	
23 21 16 00-0156	EA	12" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	29,667.14	637.22
		For Work In Restricted Working Space, Add	*382.45*	
23 21 16 00-0157	EA	14" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	35,300.96	722.07
		For Work In Restricted Working Space, Add	*270.77*	
23 21 16 00-0158	EA	16" Flanged, 125 LB, Bronze Diverter, Iron Body, Duplex Strainer	44,127.30	794.27
		For Work In Restricted Working Space, Add	*297.85*	

23 21 16 00-0159 Bronze Body, Duplex Strainers *(23 21 16 00-0139)*

23 21 16 00-0160 Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainers *(23 21 16 00-0159)*

Note: With brass or stainless steel basket.

23 21 16 00-0161	EA	3/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,313.17	25.35
		For Work In Restricted Working Space, Add	*15.16*	
23 21 16 00-0162	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	1,456.98	28.90
		For Work In Restricted Working Space, Add	*17.35*	
23 21 16 00-0163	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	2,132.48	33.97
		For Work In Restricted Working Space, Add	*20.37*	
23 21 16 00-0164	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	2,804.05	37.01
		For Work In Restricted Working Space, Add	*22.21*	
23 21 16 00-0165	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	3,622.51	45.12
		For Work In Restricted Working Space, Add	*27.16*	
23 21 16 00-0166	EA	2-1/2" Screwed, 125 LB, Bronze Diverter, Bronze Body Duplex Strainer	4,449.48	57.80
		For Work In Restricted Working Space, Add	*34.67*	

23 21 16 00-0167 Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainers *(23 21 16 00-0159)*

Note: With brass or stainless steel basket.

23 21 16 00-0168	EA	2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	5,083.04	135.16
		For Work In Restricted Working Space, Add	*50.70*	
23 21 16 00-0169	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	5,234.91	147.02
		For Work In Restricted Working Space, Add	*55.31*	
23 21 16 00-0170	EA	3" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	7,177.31	172.37
		For Work In Restricted Working Space, Add	*64.72*	
23 21 16 00-0171	EA	4" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	11,310.72	257.23
		For Work In Restricted Working Space, Add	*96.71*	
23 21 16 00-0172	EA	6" Flanged, 125 LB, Bronze Diverter, Bronze Body, Duplex Strainer	24,568.38	324.93
		For Work In Restricted Working Space, Add	*122.28*	

23 21 16 00-0173 Cast Steel Body, Duplex Strainers *(23 21 16 00-0139)*

23 21 16 00-0174 Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0173)*

Note: With brass or stainless steel basket.

23 21 16 00-0175	EA	1" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	2,045.15	28.90
		For Work In Restricted Working Space, Add	*17.36*	
23 21 16 00-0176	EA	1-1/4" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	2,518.88	33.97
		For Work In Restricted Working Space, Add	*20.36*	
23 21 16 00-0177	EA	1-1/2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	2,988.74	37.01
		For Work In Restricted Working Space, Add	*22.21*	
23 21 16 00-0178	EA	2" Screwed Ends, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	5,058.78	45.12
		For Work In Restricted Working Space, Add	*27.16*	

23 21 16 00-0179 Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainers *(23 21 16 00-0173)*

Note: With brass or stainless steel basket.

23 21 16 00-0180	EA	2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	5,170.36	135.16
		For Work In Restricted Working Space, Add	*50.70*	
23 21 16 00-0181	EA	2-1/2" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	5,682.55	147.02
		For Work In Restricted Working Space, Add	*55.31*	
23 21 16 00-0182	EA	3" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	7,469.38	172.37
		For Work In Restricted Working Space, Add	*64.72*	
23 21 16 00-0183	EA	4" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	10,954.41	257.23
		For Work In Restricted Working Space, Add	*96.71*	
23 21 16 00-0184	EA	6" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	18,690.78	324.93
		For Work In Restricted Working Space, Add	*122.28*	
23 21 16 00-0185	EA	8" Flanged, 125 LB, Bronze Diverter, Cast Steel Body, Duplex Strainer	36,419.67	415.19
		For Work In Restricted Working Space, Add	*154.73*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0186		**Stainless Steel Body, Duplex Strainers** *(23 21 16 00-0139)*		
23 21 16 00-0187		**Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers** *(23 21 16 00-0186)*		
		Note: With stainless steel basket.		
23 21 16 00-0188	EA	1" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	4,439.57	28.90
		For Work In Restricted Working Space, Add	*17.36*	
23 21 16 00-0189	EA	1-1/4" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	5,609.94	33.97
		For Work In Restricted Working Space, Add	*20.36*	
23 21 16 00-0190	EA	1-1/2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	6,768.32	37.01
		For Work In Restricted Working Space, Add	*22.21*	
23 21 16 00-0191	EA	2" Screwed Ends, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	10,841.96	45.12
		For Work In Restricted Working Space, Add	*27.16*	
23 21 16 00-0192		**Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainers** *(23 21 16 00-0186)*		
		Note: With stainless steel basket.		
23 21 16 00-0193	EA	2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	11,366.71	135.16
		For Work In Restricted Working Space, Add	*50.70*	
23 21 16 00-0194	EA	2-1/2" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	11,950.07	147.02
		For Work In Restricted Working Space, Add	*55.31*	
23 21 16 00-0195	EA	3" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	18,716.31	172.37
		For Work In Restricted Working Space, Add	*64.72*	
23 21 16 00-0196	EA	4" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	22,880.07	257.23
		For Work In Restricted Working Space, Add	*96.71*	
23 21 16 00-0197	EA	6" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	40,167.62	324.93
		For Work In Restricted Working Space, Add	*122.28*	
23 21 16 00-0198	EA	8" Flanged, 125 LB, Stainless Steel Diverter, Stainless Steel Body, Duplex Strainer	74,193.49	415.19
		For Work In Restricted Working Space, Add	*154.73*	
23 21 16 00-0199		**Pressure Regulating Valve** *(23 21 16)*		
23 21 16 00-0200		**Screwed Ends, Iron Body, Water Pressure Reducing Valves** *(23 21 16 00-0199)*		
		Note: For building services, 25 - 75 PSI, up to 300 Lbs. rating		
23 21 16 00-0201	EA	1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	212.20	12.67
		For Work In Restricted Working Space, Add	*15.20*	
23 21 16 00-0202	EA	3/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	262.17	14.19
		For Work In Restricted Working Space, Add	*16.89*	
23 21 16 00-0203	EA	1" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	346.64	15.20
		For Work In Restricted Working Space, Add	*17.89*	
23 21 16 00-0204	EA	1-1/4" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	598.11	17.02
		For Work In Restricted Working Space, Add	*20.27*	
23 21 16 00-0205	EA	1-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	812.93	20.27
		For Work In Restricted Working Space, Add	*24.32*	
23 21 16 00-0206	EA	2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,164.10	31.08
		For Work In Restricted Working Space, Add	*37.34*	
23 21 16 00-0207	EA	2-1/2" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,265.81	35.00
		For Work In Restricted Working Space, Add	*42.00*	
23 21 16 00-0208	EA	3" Screwed Ends, Iron Construction, Water Pressure Reducing Valve	1,390.68	101.28
		For Work In Restricted Working Space, Add	*46.67*	
23 21 16 00-0209		**Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0199)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0210		**Screwed Ends, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0209)*		
23 21 16 00-0211	EA	1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	358.95	17.03
		For Work In Restricted Working Space, Add	*20.42*	
23 21 16 00-0212	EA	3/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	448.48	24.13
		For Work In Restricted Working Space, Add	*28.97*	
23 21 16 00-0213	EA	1" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	577.01	29.40
		For Work In Restricted Working Space, Add	*35.37*	
23 21 16 00-0214	EA	1-1/4" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	773.91	35.70
		For Work In Restricted Working Space, Add	*41.11*	
23 21 16 00-0215	EA	1-1/2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,041.39	40.56
		For Work In Restricted Working Space, Add	*46.80*	
23 21 16 00-0216	EA	2" Screwed Ends, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	1,217.42	56.81
		For Work In Restricted Working Space, Add	*56.80*	
23 21 16 00-0217		**Flanged, Cast Iron Body, Steam Pressure Regulator And Reducer** *(23 21 16 00-0209)*		
		Note: Single seated, spring loaded, direct acting diaphragm valve.		
23 21 16 00-0218	EA	2-1/2" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	2,829.70	137.27
		For Work In Restricted Working Space, Add	*51.64*	
23 21 16 00-0219	EA	3" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	3,519.65	160.94
		For Work In Restricted Working Space, Add	*60.43*	
23 21 16 00-0220	EA	4" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	4,520.26	269.80
		For Work In Restricted Working Space, Add	*101.43*	
23 21 16 00-0221	EA	6" Flanged, Cast Iron Body, Steam Pressure Regulator Valve And Reducer	11,299.58	324.78
		For Work In Restricted Working Space, Add	*122.23*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0222		**Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0199)*		
23 21 16 00-0223		**Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0222)*		
23 21 16 00-0224	EA	1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,056.16	12.37
		For Work In Restricted Working Space, Add	*18.56*	
23 21 16 00-0225	EA	3/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,099.41	12.37
		For Work In Restricted Working Space, Add	*18.56*	
23 21 16 00-0226	EA	1" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,235.78	15.62
		For Work In Restricted Working Space, Add	*23.42*	
23 21 16 00-0227	EA	1-1/4" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	2,627.09	19.87
		For Work In Restricted Working Space, Add	*29.81*	
23 21 16 00-0228	EA	1-1/2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,007.53	22.92
		For Work In Restricted Working Space, Add	*34.37*	
23 21 16 00-0229	EA	2" Screwed Ends, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	3,729.43	26.97
		For Work In Restricted Working Space, Add	*40.46*	
23 21 16 00-0230		**Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valves** *(23 21 16 00-0222)*		
23 21 16 00-0231	EA	2-1/2" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	4,607.67	137.27
		For Work In Restricted Working Space, Add	*51.64*	
23 21 16 00-0232	EA	3" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	5,684.57	160.94
		For Work In Restricted Working Space, Add	*60.43*	
23 21 16 00-0233	EA	4" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	8,608.48	269.80
		For Work In Restricted Working Space, Add	*101.43*	
23 21 16 00-0234	EA	6" Flanged, Cast Iron Body, Externally Piloted, Steam Pressure Regulating And Reducing Valve	18,961.73	324.78
		For Work In Restricted Working Space, Add	*122.23*	
23 21 16 00-0235		**Screwed Ends, Cast Iron Body, Air Pressure Reducing Valves** *(23 21 16 00-0199)*		
23 21 16 00-0236	EA	1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	238.76	13.17
23 21 16 00-0237	EA	3/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	296.02	14.59
23 21 16 00-0238	EA	1" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	393.83	15.50
23 21 16 00-0239	EA	1-1/4" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	685.34	17.64
23 21 16 00-0240	EA	1-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	933.25	21.08
23 21 16 00-0241	EA	2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,335.04	32.30
23 21 16 00-0242	EA	2-1/2" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,446.25	35.18
23 21 16 00-0243	EA	3" Screwed Ends, Cast Iron Body, Air Pressure Reducing Valve	1,593.77	40.51
23 21 16 00-0244		**Screwed Ends, Bronze Body, Water Pressure Reducing Valves** *(23 21 16 00-0199)*		
		Note: For building services, bronze construction, pressure adjustment, union and strainer, factory set at 45 PSI (Watts 25AUB).		
23 21 16 00-0245	EA	1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	164.38	12.67
23 21 16 00-0246	EA	3/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	180.66	14.19
23 21 16 00-0247	EA	1" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	224.00	15.71
23 21 16 00-0248	EA	1-1/4" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	527.31	17.02
23 21 16 00-0249	EA	1-1/2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	571.90	20.27
23 21 16 00-0250	EA	2" Screwed Ends, Bronze Body, Water Pressure Reducing Valve	898.56	31.08
23 21 16 00-0251		**Dual Unit Reducing And Relief Valve** *(23 21 16)*		
23 21 16 00-0252	EA	1/2" Dual Unit Reducing And Relief Valve	185.79	30.93
23 21 16 00-0253		**Safety Relief Valve** *(23 21 16)*		
		Note: Used in water heater and hot water storage tank applications.		
23 21 16 00-0254		**Threaded Inlet, Bronze Body Safety Valves** *(23 21 16 00-0253)*		
		Note: Variable set points to 150 psig pressure, 210 Degree F temperature range.		
23 21 16 00-0255	EA	1/2" x 1/2" Threaded Inlet, Bronze Body Safety Valve	70.36	12.67
23 21 16 00-0256	EA	3/4" x 3/4" Threaded Inlet, Bronze Body Safety Valve	97.19	13.94
23 21 16 00-0257	EA	1" x 1" Threaded Inlet, Bronze Body Safety Valve	140.12	16.97
23 21 16 00-0258	EA	1-1/4" x 1-1/4" Threaded Inlet, Bronze Body Safety Valve	180.87	17.99
23 21 16 00-0259	EA	1-1/2" x 1-1/2" Threaded Inlet, Bronze Body Safety Valve	249.01	24.07
23 21 16 00-0260	EA	2" x 2" Threaded Inlet, Bronze Body Safety Valve	333.73	28.38
23 21 16 00-0261	EA	2-1/2" x 2-1/2" Threaded Inlet, Bronze Body Safety Valve	378.68	35.47
23 21 16 00-0262		**Threaded, Bronze Body, Temperature And Pressure Relief Valves** *(23 21 16)*		
23 21 16 00-0263	EA	1/2" x 1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	78.66	25.84
		For Cast Iron Body, Add	*45.54*	
23 21 16 00-0264	EA	3/4" x 3/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	101.43	31.01
		For Cast Iron Body, Add	*63.44*	
23 21 16 00-0265	EA	1" x 1" Threaded, Bronze Body, Temperature And Pressure Relief Valve	148.39	41.35
		For Cast Iron Body, Add	*101.03*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0266	EA	1-1/4" x 1-1/4" Threaded, Bronze Body, Temperature And Pressure Relief Valve	244.16	44.29
		For Cast Iron Body, Add	*214.71*	
23 21 16 00-0267	EA	1-1/2" x 1-1/2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	409.63	49.66
		For Cast Iron Body, Add	*410.73*	
23 21 16 00-0268	EA	2" x 2" Threaded, Bronze Body, Temperature And Pressure Relief Valve	474.48	71.41
		For Cast Iron Body, Add	*447.25*	

23 21 16 00-0269 Thermostatic Radiator Valves *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0270	EA	1/2" Straight Thermostatic Radiator Valve (Danfoss 013G8015)	58.12	16.36
23 21 16 00-0271	EA	3/4" Straight Thermostatic Radiator Valve (Danfoss 013G8020)	70.55	22.04
23 21 16 00-0272	EA	1" Straight Thermostatic Radiator Valve (Danfoss 013G8025)	94.65	26.69
23 21 16 00-0273	EA	1-1/4" Straight Thermostatic Radiator Valve (Danfoss 013G8032)	138.53	33.81
23 21 16 00-0274	EA	1/2" Angle Thermostatic Radiator Valve (Danfoss 013G8014)	58.12	16.36
23 21 16 00-0275	EA	3/4" Angle Thermostatic Radiator Valve (Danfoss 013G8019)	70.55	22.04
23 21 16 00-0276	EA	1" Angle Thermostatic Radiator Valve (Danfoss 013G8024)	94.65	26.69
23 21 16 00-0277	EA	1-1/4" Angle Thermostatic Radiator Valve (Danfoss 013G8031)	138.53	33.81
23 21 16 00-0278	EA	Tamper Resistant Valve Mounted Dial And Sensor Thermostatic Operator (Danfoss 013G8240)	71.66	12.67
23 21 16 00-0279	EA	Tamper Resistant Valve Mounted Dial With Remote Sensor Thermostatic Operator (Danfoss 013G2922)	105.62	17.75

23 21 16 00-0280 Radiator Trap Repair Kits *(23 21 16)*

Note: For hot water or two pipe low pressure steam.

23 21 16 00-0281	EA	1/2" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1031)	103.17	
23 21 16 00-0282	EA	3/4" Trap (Spirax-Sarco TH-125), Straight, Radiator Trap Repair Kit (Spirax-Sarco SH1032)	128.61	
23 21 16 00-0283	EA	1/2" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1026)	129.10	
23 21 16 00-0284	EA	3/4" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1027)	147.15	
23 21 16 00-0285	EA	1" Trap (Spirax-Sarco TH-125), Angle, Radiator Trap Repair Kit (Spirax-Sarco SH1028)	339.33	

23 21 16 00-0286 Horizontal Steel Expansion Tanks *(23 21 16)*

Note: ASME Code Stamp. 150 PSI with glass gauge and cocks.

23 21 16 00-0287	EA	10 Gallon Horizontal Steel Expansion Tank	530.97	101.40
23 21 16 00-0288	EA	15 Gallon Horizontal Steel Expansion Tank	745.76	126.74
23 21 16 00-0289	EA	30 Gallon Horizontal Steel Expansion Tank	972.88	152.09
23 21 16 00-0290	EA	40 Gallon Horizontal Steel Expansion Tank	1,120.63	177.44
23 21 16 00-0291	EA	60 Gallon Horizontal Steel Expansion Tank	1,283.00	180.51

23 21 16 00-0292 Horizontal Diaphragm Type (Bladder) Steel Expansion Tanks *(23 21 16)*

Note: ASME. Precharged with working pressure 125 psi. Armstrong AX Series.

23 21 16 00-0293	EA	7.8 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,504.26	76.05
23 21 16 00-0294	EA	10.9 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	1,568.90	88.72
23 21 16 00-0295	EA	21.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,345.46	101.40
23 21 16 00-0296	EA	33.6 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	2,440.15	114.06
23 21 16 00-0297	EA	44.4 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,313.78	126.74
23 21 16 00-0298	EA	55.7 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	3,494.00	139.41
23 21 16 00-0299	EA	68.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,157.28	152.09
23 21 16 00-0300	EA	77.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,448.44	164.76
23 21 16 00-0301	EA	90.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	4,903.72	177.44
23 21 16 00-0302	EA	110.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	5,037.62	202.79
23 21 16 00-0303	EA	132.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	6,324.91	228.14
23 21 16 00-0304	EA	158.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	7,253.95	253.49
23 21 16 00-0305	EA	211.0 Gallon Horizontal Diaphragm Type (Bladder) Steel Expansion Tank	8,418.58	304.19

23 21 16 00-0306 Vertical Diaphragm Type (Bladder) Steel Expansion Tanks (Armstrong AX)

(23 21 16)

Note: ASME. Precharged with working pressure 125 psi

23 21 16 00-0307	EA	8.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,716.91	76.05
23 21 16 00-0308	EA	11.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	1,769.99	88.72
23 21 16 00-0309	EA	22.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,539.62	101.40
23 21 16 00-0310	EA	34.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	2,710.58	114.06
23 21 16 00-0311	EA	44.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,450.16	126.74
23 21 16 00-0312	EA	56.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	3,628.06	139.41
23 21 16 00-0313	EA	67.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,427.72	152.09
23 21 16 00-0314	EA	77.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	4,785.91	164.76
23 21 16 00-0315	EA	91.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,294.34	177.44
23 21 16 00-0316	EA	111.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	5,421.31	202.79
23 21 16 00-0317	EA	132.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	6,673.94	228.14
23 21 16 00-0318	EA	158.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	7,746.27	253.49
23 21 16 00-0319	EA	211.0 Gallon Vertical Diaphragm Type (Bladder) Steel Expansion Tank	8,920.15	304.19

23 21 16 00-0320 Diaphragm Type (Residential Style) Steel Expansion Tanks *(23 21 16)*

23 21 16 00-0321	EA	2.1 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-5-M1)	70.98	9.34
23 21 16 00-0322	EA	4.5 Gallon Diaphragm Type (Residential Style) Steel Expansion Tank (Watts DET-12-M1)	99.82	9.34

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0323		**Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tanks** *(23 21 16)*		
23 21 16 00-0324	EA	15 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	930.54	304.29
23 21 16 00-0325	EA	20 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	963.30	304.29
23 21 16 00-0326	EA	30 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	996.05	304.29
23 21 16 00-0327	EA	40 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,081.20	304.29
23 21 16 00-0328	EA	47 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,313.10	405.47
23 21 16 00-0329	EA	60 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,509.31	405.68
23 21 16 00-0330	EA	80 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,548.22	405.68
23 21 16 00-0331	EA	87 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	1,587.12	405.68
23 21 16 00-0332	EA	120 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	2,014.81	506.97
23 21 16 00-0333	EA	187 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	5,313.35	506.97
23 21 16 00-0334	EA	264 Gallon Vertical Diaphragm Type (Bladder) Fiberglass Reinforced Polyester (FRP) Expansion Tank	6,739.44	608.16
23 21 16 00-0335		**ASME Construction Compression Tanks** *(23 21 16)*		
		Note: With gauge glass taps, 125 PSI, 240 degree F tanks below are sized by capacity and diameter and height.		
23 21 16 00-0336	EA	15 Gallon, 13" x 34-1/2" ASME Construction Compression Tank	868.94	178.46
		For Galvanized Steel Tanks, Add	*299.28*	
23 21 16 00-0337	EA	24 Gallon, 13" x 51" ASME Construction Compression Tank	886.21	183.52
		For Galvanized Steel Tanks, Add	*303.69*	
23 21 16 00-0338	EA	30 Gallon, 13" x 61-1/2" ASME Construction Compression Tank	965.75	189.61
		For Galvanized Steel Tanks, Add	*338.90*	
23 21 16 00-0339	EA	40 Gallon, 16-1/4" x 53" ASME Construction Compression Tank	1,056.10	196.71
		For Galvanized Steel Tanks, Add	*378.50*	
23 21 16 00-0340	EA	60 Gallon, 16-1/4" x 76-1/2" ASME Construction Compression Tank	1,229.75	207.86
		For Galvanized Steel Tanks, Add	*457.72*	
23 21 16 00-0341	EA	80 Gallon, 20-1/4" x 68" ASME Construction Compression Tank	1,277.72	215.97
		For Galvanized Steel Tanks, Add	*475.32*	
23 21 16 00-0342	EA	100 Gallon, 20-1/4" x 82" ASME Construction Compression Tank	1,579.28	235.24
		For Galvanized Steel Tanks, Add	*611.76*	
23 21 16 00-0343	EA	120 Gallon, 24-1/4" x 71-1/2" ASME Construction Compression Tank	1,720.55	252.47
		For Galvanized Steel Tanks, Add	*668.97*	
23 21 16 00-0344	EA	144 Gallon, 24-1/4" x 83-1/2" ASME Construction Compression Tank	2,138.32	284.92
		For Galvanized Steel Tanks, Add	*853.43*	
23 21 16 00-0345	EA	180 Gallon, 30" x 60" ASME Construction Compression Tank	2,712.77	326.49
		For Galvanized Steel Tanks, Add	*1,109.09*	
23 21 16 00-0346	EA	202 Gallon, 30" x 72" ASME Construction Compression Tank	3,247.06	361.97
		For Galvanized Steel Tanks, Add	*1,349.50*	
23 21 16 00-0347	EA	230 Gallon, 30" x 84" ASME Construction Compression Tank	3,550.68	393.40
		For Galvanized Steel Tanks, Add	*1,477.13*	
23 21 16 00-0348	EA	280 Gallon, 30" x 96" ASME Construction Compression Tank	4,479.82	431.93
		For Galvanized Steel Tanks, Add	*1,912.84*	
23 21 16 00-0349	EA	306 Gallon, 30" x 108" ASME Construction Compression Tank	4,623.30	461.35
		For Galvanized Steel Tanks, Add	*1,962.02*	
23 21 16 00-0350	EA	340 Gallon, 36" x 84" ASME Construction Compression Tank	5,949.30	495.81
		For Galvanized Steel Tanks, Add	*2,599.12*	
23 21 16 00-0351	EA	550 Gallon, 36" x 96" ASME Construction Compression Tank	9,887.92	582.00
		For Galvanized Steel Tanks, Add	*4,503.12*	
23 21 16 00-0352		**Compression Tank Air Fittings** *(23 21 16)*		
23 21 16 00-0353	EA	9" To 24" Diameter Compression Tank Air Fittings	142.95	28.39
23 21 16 00-0354	EA	>100 Gallon Compression Tank Air Fittings	431.74	33.46
23 21 16 00-0355		**Vortex Air Separators With Strainer** *(23 21 16)*		
		Note: Separators are priced by capacity in gallons per minute and by boiler connection sizes and types.		
23 21 16 00-0356	EA	2" Threaded, 56 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2N)	1,196.42	215.97
		For 300 PSIG, Add	*130.40*	
23 21 16 00-0357	EA	2-1/2" Threaded, 90 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-2-1/2N)	1,476.36	247.40
		For 300 PSIG, Add	*165.12*	
23 21 16 00-0358	EA	3" Threaded, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3N)	2,251.55	291.00
		For 300 PSIG, Add	*271.61*	
23 21 16 00-0359	EA	3" Flanged, 190 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-3F)	2,406.28	308.21
		For 300 PSIG, Add	*290.90*	
23 21 16 00-0360	EA	4" Flanged, 300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-4F)	3,107.22	410.95
		For 300 PSIG, Add	*372.69*	
23 21 16 00-0361	EA	5" Flanged, 500 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-5F)	3,917.17	491.00
		For 300 PSIG, Add	*476.08*	
23 21 16 00-0362	EA	6" Flanged, 700 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-6F)	4,643.85	555.98
		For 300 PSIG, Add	*570.22*	
23 21 16 00-0363	EA	8" Flanged, 1,300 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-8F)	6,659.05	667.01
		For 300 PSIG, Add	*847.22*	
23 21 16 00-0364	EA	10" Flanged, 2,000 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-10F)	10,212.54	758.17
		For 300 PSIG, Add	*1,359.57*	
23 21 16 00-0365	EA	12" Flanged, 2,750 GPM, 125 PSI, With Strainer, Vortex Air Separator (Rolairtrol R-12F)	13,769.93	981.10
		For 300 PSIG, Add	*1,842.50*	
23 21 16 00-0366	EA	14" Flanged, 3400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-14F)	28,566.85	1,191.40
		For 300 PSIG, Add	*4,014.26*	
23 21 16 00-0367	EA	16" Flanged, 4400 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	35,261.11	1,429.68
		For 300 PSIG, Add	*4,964.24*	

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MINOR CSI	UOM	DESCRIPTION	TOTAL DIRECT UNIT COST	DEMOLITION UNIT COST
23 21 16 00-0368	EA	18" Flanged, 5200 GPM With Strainer, Vortex Air Separator (Rolairtrol R-16F)	45,979.27	1,667.96
		For 300 PSIG, Add	*6,517.81*	
23 21 16 00-0369	EA	20" Flanged, 6300 GPM With Strainer, Vortex Air Separator (Rolairtrol R-20F)	53,791.14	1,906.25
		For 300 PSIG, Add	*7,635.44*	

23 21 16 00-0370 Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0371	EA	2" Threaded, 56 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2N)	1,026.67	215.97
		For 300 PSIG, Add	*104.94*	
23 21 16 00-0372	EA	2-1/2" Threaded, 90 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-2-1/2N)	1,291.18	247.40
		For 300 PSIG, Add	*137.35*	
23 21 16 00-0373	EA	3" Threaded, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3N)	2,205.26	291.00
		For 300 PSIG, Add	*264.66*	
23 21 16 00-0374	EA	3" Flanged, 190 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-3F)	1,999.90	308.21
		For 300 PSIG, Add	*229.94*	
23 21 16 00-0375	EA	4" Flanged, 300 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-4F)	2,680.27	410.95
		For 300 PSIG, Add	*308.64*	
23 21 16 00-0376	EA	5" Flanged, 530 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-5F)	3,469.64	491.00
		For 300 PSIG, Add	*408.95*	
23 21 16 00-0377	EA	6" Flanged, 850 GPM, 125 PSI, Vortex Air Separator (Rolairtrol RL-6F)	4,036.85	555.98
		For 300 PSIG, Add	*479.17*	
23 21 16 00-0378	EA	8" Flanged, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8F)	5,362.75	667.01
		For 300 PSIG, Add	*652.78*	
23 21 16 00-0379	EA	10" Flanged, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10F)	7,439.90	758.17
		For 300 PSIG, Add	*943.67*	
23 21 16 00-0380	EA	12" Flanged, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12F)	11,440.32	981.10
		For 300 PSIG, Add	*1,493.06*	
23 21 16 00-0381	EA	14" Flanged, 6,100 GPM Vortex Air Separator (Rolairtrol RL-14F)	19,412.03	1,191.40
		For 300 PSIG, Add	*2,641.03*	
23 21 16 00-0382	EA	16" Flanged, 8,000 GPM Vortex Air Separator (Rolairtrol RL-16F)	24,582.26	1,429.68
		For 300 PSIG, Add	*3,362.41*	
23 21 16 00-0383	EA	18" Flanged, 9,700 GPM Vortex Air Separator (Rolairtrol RL-16F)	32,834.43	1,667.96
		For 300 PSIG, Add	*4,546.08*	
23 21 16 00-0384	EA	20" Flanged, 12,000 GPM Vortex Air Separator (Rolairtrol RL-20F)	44,852.23	1,906.25
		For 300 PSIG, Add	*6,294.60*	
23 21 16 00-0385	EA	22" Flanged, 15,000 GPM Vortex Air Separator (Rolairtrol RL-22F)	54,900.44	2,144.53
		For 300 PSIG, Add	*7,747.67*	
23 21 16 00-0386	EA	24" Flanged, 17,000 GPM Vortex Air Separator (Rolairtrol RL-24F)	64,948.64	2,382.80
		For 300 PSIG, Add	*9,200.75*	

23 21 16 00-0387 Grooved, With Strainer, Vortex Air Separators *(23 21 16)*

23 21 16 00-0388	EA	3" Grooved, 190 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-3G)	2,107.13	246.56
23 21 16 00-0389	EA	4" Grooved, 300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-4G)	2,982.38	328.55
23 21 16 00-0390	EA	5" Grooved, 500 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-5G)	3,768.49	392.44
23 21 16 00-0391	EA	6" Grooved, 700 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-6G)	4,475.31	444.79
23 21 16 00-0392	EA	8" Grooved, 1,300 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-8G)	6,446.58	533.75
23 21 16 00-0393	EA	10" Grooved, 2,000 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-10G)	10,384.00	606.53
23 21 16 00-0394	EA	12" Grooved, 2,750 GPM, With Strainer, Vortex Air Separator (Rolairtrol R-12G)	15,790.45	784.97

23 21 16 00-0395 Grooved Vortex Air Separators *(23 21 16)*

Note: Without system strainer.

23 21 16 00-0396	EA	3" Grooved, 190 GPM Vortex Air Separator (Rolairtrol RL-3G)	1,685.32	246.56
23 21 16 00-0397	EA	4" Grooved, 300 GPM Vortex Air Separator (Rolairtrol RL-4G)	2,555.43	328.55
23 21 16 00-0398	EA	5" Grooved, 530 GPM Vortex Air Separator (Rolairtrol RL-5G)	3,320.96	392.44
23 21 16 00-0399	EA	6" Grooved, 850 GPM Vortex Air Separator (Rolairtrol RL-6G)	3,868.31	444.79
23 21 16 00-0400	EA	8" Grooved, 1,900 GPM Vortex Air Separator (Rolairtrol RL-8G)	5,160.57	533.75
23 21 16 00-0401	EA	10" Grooved, 3,600 GPM Vortex Air Separator (Rolairtrol RL-10G)	7,570.21	606.53
23 21 16 00-0402	EA	12" Grooved, 4,800 GPM Vortex Air Separator (Rolairtrol RL-12G)	12,545.52	784.97

23 21 16 00-0403 Swivel Joints *(23 21 16)*

23 21 16 00-0404 Carbon Steel, Straight Through Swivel Joint (Dixon Style 20) *(23 21 16 00-0403)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

23 21 16 00-0405	EA	1" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	312.71	26.67
23 21 16 00-0406	EA	1-1/2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	449.34	39.03
23 21 16 00-0407	EA	2" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	630.02	45.63
23 21 16 00-0408	EA	3" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	939.63	78.08
23 21 16 00-0409	EA	4" Threaded, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,191.41	88.72
		For Stainless Steel, Add	*1,520.96*	
23 21 16 00-0410	EA	2" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	877.63	135.16
		For Stainless Steel, Add	*1,062.96*	
23 21 16 00-0411	EA	3" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,186.05	107.83
23 21 16 00-0412	EA	4" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	1,509.72	288.97
23 21 16 00-0413	EA	6" Flanged, Carbon Steel, Straight Through Swivel Joint (Dixon Style 20)	2,802.95	365.02

23 21 16 00-0414 Carbon Steel, Single Swivel/Single Elbow Swivel Joint (Dixon Style 30) *(23 21 16 00-0403)*

Note: Includes BUNA-N Seat. For oil, gasoline, water, air, gas, and chemicals.

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