

Project Title:
Location:
Scope of Work:HVAC
Labor Type: Open Shop/Non Union
Date:



Let's Win This Bid Together! Your Vision, Our Commitment

Sr #	DIV.	Scope	Qty	WASTAGE	Qty (Include Wastage)	U/M	MATERIAL RATE	TOTAL MATERIAL COST	PRODUCTION RATE	LABOR HOURS	LABOR RATE	TOTAL LABOR COST	TOTAL	TOTAL TRADE	Notes
	22	PLUMBING												\$ 66,041	
		PLUMBING PIPING													
		DOMESTIC WATER													
1		1/2" Dia Cold Water CPVC Pipe (Socket Fitting W/ Solvent Welds)	185.80	10%	204.38	LF	\$ 5.60	\$ 1,144.53	0.15	27.50	\$ 56.00	\$ 1,539.91	\$2,684.44		
2		1/2" Dia Hot Water CPVC Pipe (Socket Fitting W/ Solvent Welds)	115.41	10%	126.95	LF	\$ 5.60	\$ 710.93	0.15	17.08	\$ 56.00	\$ 956.52	\$1,667.44		
3		3/4" Dia Cold Water CPVC Pipe (Socket Fitting W/ Solvent Welds)	50.46	10%	55.51	LF	\$ 6.60	\$ 366.34	0.16	7.92	\$ 56.00	\$ 433.98	\$799.98		
4		3/4" Dia Hot Water CPVC Pipe (Socket Fitting W/ Solvent Welds)	170.09	10%	187.10	LF	\$ 6.60	\$ 1,234.85	0.16	26.70	\$ 56.00	\$ 1,495.43	\$2,730.28		
5		3/4" Dia Hot Water Return CPVC Pipe (Socket Fitting W/ Solvent Welds)	30.00	10%	33.00	LF	\$ 6.60	\$ 217.80	0.16	4.71	\$ 56.00	\$ 263.76	\$481.56		
6		1" Dia Cold Water CPVC Pipe (Socket Fitting W/ Solvent Welds)	29.90	10%	32.89	LF	\$ 10.85	\$ 356.86	0.17	5.59	\$ 56.00	\$ 312.95	\$648.20		
7		1-1/2" Dia Cold Water CPVC Pipe (Socket Fitting W/ Solvent Welds)	9.42	10%	10.36	LF	\$ 12.15	\$ 125.90	0.22	1.99	\$ 56.00	\$ 117.11	\$243.01		
8		1-1/4" Dia Cold Water CPVC Pipe (Socket Fitting W/ Solvent Welds)	17.24	10%	18.96	LF	\$ 12.25	\$ 232.31	0.17	3.12	\$ 56.00	\$ 183.43	\$415.74		
		SANITARY													
9		1-1/2" Dia Vent PVC Pipe (DWV Type)	10.78	10%	11.86	LF	\$ 8.25	\$ 97.83	0.21	2.21	\$ 56.00	\$ 123.75	\$221.58		
10		1-1/2" Dia Waste PVC Pipe (DWV Type)	94.46	10%	103.91	LF	\$ 8.25	\$ 857.22	0.21	19.36	\$ 56.00	\$ 1,084.40	\$1,941.63		
11		2" Dia Vent PVC Pipe (DWV Type)	95.78	10%	105.36	LF	\$ 8.30	\$ 875.30	0.26	24.71	\$ 56.00	\$ 1,383.83	\$2,310.98		
12		2" Dia Waste PVC Pipe (DWV Type)	49.78	10%	54.76	LF	\$ 8.80	\$ 481.87	0.26	12.84	\$ 56.00	\$ 719.22	\$1,201.09		
13		3" Dia Grease Waste PVC Pipe (DWV Type)	92.00	10%	101.20	LF	\$ 8.55	\$ 865.26	0.29	26.31	\$ 56.00	\$ 1,473.47	\$2,338.73		
14		3" Dia Vent PVC Pipe (DWV Type)	7.29	10%	8.02	LF	\$ 8.55	\$ 68.56	0.29	2.08	\$ 56.00	\$ 116.76	\$185.32		
15		3" Dia Waste PVC Pipe (DWV Type)	84.54	10%	92.90	LF	\$ 8.55	\$ 795.10	0.29	24.18	\$ 56.00	\$ 1,353.99	\$2,149.09		
16		4" Dia Grease Waste PVC Pipe (DWV Type)	38.14	10%	41.96	LF	\$ 23.50	\$ 985.92	0.31	11.98	\$ 56.00	\$ 670.65	\$1,656.57		
17		4" Dia Waste PVC Pipe (DWV Type)	35.16	10%	38.78	LF	\$ 23.50	\$ 908.89	0.31	11.04	\$ 56.00	\$ 618.25	\$1,527.14		
		GAS													
18		3/4" Dia Gas Black Steel Pipe (Sch 40)	13.37	0%	14.71	LF	\$ 6.25	\$ 91.92	0.11	1.51	\$ 56.00	\$ 84.61	\$176.52		
19		1" Dia Gas Black Steel Pipe (Sch 40)	6.15	0%	71.97	LF	\$ 6.05	\$ 435.44	0.13	8.31	\$ 56.00	\$ 465.34	\$900.77		
20		1-1/4" Dia Gas Black Steel Pipe (Sch 40)	1.88	10%	74.91	LF	\$ 7.30	\$ 546.84	0.14	9.40	\$ 56.00	\$ 526.28	\$1,073.12		
21		2" Dia Gas Black Steel Pipe (Sch 40)	1.88	10%	18.56	LF	\$ 9.20	\$ 170.72	0.20	3.37	\$ 56.00	\$ 188.94	\$359.67		
22		2-1/2" Dia Gas Black Steel Pipe (Sch 40)	6.15	10%	8.97	LF	\$ 12.10	\$ 108.48	0.28	2.29	\$ 56.00	\$ 128.25	\$236.72		
		PLUMBING JOINTS													
		DOMESTIC WATER													
23		3/4" Dia Elbow-Joint	5.00	0%	5.00	EA	\$ 77.00	\$ 385.00	0.16	0.80	\$ 56.00	\$ 44.80	\$429.80		
24		3/4" Dia Tee-Joint	1.00	0%	1.00	EA	\$ 82.00	\$ 82.00	0.21	0.21	\$ 56.00	\$ 11.82	\$93.82		
25		3/4" X 3/4" X 1/2" Dia Tee-Joint	14.00	0%	14.00	EA	\$ 82.00	\$ 1,148.00	0.21	2.95	\$ 56.00	\$ 165.42	\$1,313.42		
26		1" Dia Elbow-Joint	6.00	0%	6.00	EA	\$ 41.00	\$ 246.00	0.16	0.96	\$ 56.00	\$ 53.76	\$299.76		
27		1" Dia Tee-Joint	4.00	0%	4.00	EA	\$ 63.50	\$ 254.00	0.24	0.97	\$ 56.00	\$ 54.21	\$308.21		
28		1" X 1" X 1/2" Dia Tee-Joint	5.00	0%	5.00	EA	\$ 63.50	\$ 317.50	0.24	1.21	\$ 56.00	\$ 67.76	\$385.26		
29		1" X 3/4" X 1/2" Dia Tee-Joint	2.00	0%	2.00	EA	\$ 63.50	\$ 127.00	0.24	0.48	\$ 56.00	\$ 27.10	\$154.10		
30		1/2" Dia Elbow-Joint	16.00	0%	16.00	EA	\$ 70.00	\$ 1,120.00	0.16	2.56	\$ 56.00	\$ 143.36	\$1,263.36		
31		1/2" Dia Tee-Joint	3.00	0%	3.00	EA	\$ 80.00	\$ 240.00	0.21	0.63	\$ 56.00	\$ 35.45	\$275.45		
32		1-1/2" X 1-1/2" X 1" Dia Tee-Joint	2.00	0%	2.00	EA	\$ 63.50	\$ 127.00	0.36	0.73	\$ 56.00	\$ 40.77	\$167.77		

33	1-1/2" X 1-1/4" X 3/4" Dia Tee-Joint	1.00	0%	1.00	EA	\$ 63.50	\$ 63.50	0.36	0.36	\$ 56.00	\$ 20.38	\$83.88
34	1-1/4" Dia Elbow-Joint	2.00	0%	2.00	EA	\$ 41.00	\$ 82.00	0.20	0.40	\$ 56.00	\$ 22.40	\$104.40
35	1-1/4" X 1" X 1/2" Dia Tee-Joint	1.00	0%	1.00	EA	\$ 63.50	\$ 63.50	0.30	0.30	\$ 56.00	\$ 16.58	\$80.08
36	1-1/4" X 1" X 1" Dia T-Joint	1.00	0%	1.00	EA	\$ 63.50	\$ 63.50	0.30	0.30	\$ 56.00	\$ 16.58	\$80.08
37	1-1/4" X 1-1/4" X 1/2" Dia T-Joint	1.00	0%	1.00	EA	\$ 63.50	\$ 63.50	0.30	0.30	\$ 56.00	\$ 16.58	\$80.08
SANITARY												
38	1-1/2" Dia Elbow-Joint	8.00	0%	8.00	EA	\$ 63.50	\$ 508.00	0.36	2.91	\$ 56.00	\$ 163.07	\$671.07
39	2" Dia Elbow-Joint	6.00	0%	6.00	EA	\$ 41.00	\$ 246.00	0.32	1.92	\$ 56.00	\$ 107.52	\$453.92
40	2" X 1-1/2" X 2" Dia Tee-Joint	1.00	0%	1.00	EA	\$ 63.50	\$ 63.50	0.47	0.47	\$ 56.00	\$ 26.38	\$89.88
41	2" X 1-1/2" X 2" Dia Wye/Elbow45* Comb-Joint	5.00	0%	5.00	EA	\$ 63.50	\$ 317.50	0.47	2.36	\$ 56.00	\$ 88.26	\$453.86
42	2" X 2" X 1-1/2" Dia Tee-Joint	6.00	0%	6.00	EA	\$ 63.50	\$ 381.00	0.47	2.83	\$ 56.00	\$ 132.26	\$539.26
43	2" X 3" X 2" Dia Tee-Joint	1.00	0%	1.00	EA	\$ 63.50	\$ 63.50	0.47	0.47	\$ 56.00	\$ 39.88	\$89.88
44	3" Dia Elbow-Joint	10.00	0%	10.00	EA	\$ 72.00	\$ 720.00	0.49	4.85	\$ 56.00	\$ 273.00	\$991.60
45	3" X 1-1/2" X 3" Dia Wye/Elbow45* Comb-Joint	6.00	0%	6.00	EA	\$ 86.50	\$ 519.00	0.73	4.36	\$ 56.00	\$ 244.27	\$763.27
46	3" X 2" X 3" Dia Tee-Joint	1.00	0%	1.00	EA	\$ 86.50	\$ 86.50	0.73	0.73	\$ 56.00	\$ 40.71	\$127.21
47	3" X 3" X 2" Dia Wye/Elbow45* Combo-Joint	5.00	0%	5.00	EA	\$ 86.50	\$ 432.50	0.73	4.00	\$ 56.00	\$ 203.56	\$636.06
48	4" Dia Elbow-Joint	4.00	0%	4.00	EA	\$ 78.50	\$ 314.00	0.65	2.60	\$ 56.00	\$ 143.36	\$457.36
49	4" X 4" X 3" Dia Wye/Elbow45* Combo-Joint	7.00	0%	7.00	EA	\$ 132.00	\$ 924.00	0.65	4.55	\$ 56.00	\$ 368.87	\$1,292.87
GAS												
50	3/4" Dia Elbow-Joint	1.00	0%	1.00	EA	\$ 77.00	\$ 77.00	0.16	0.16	\$ 56.00	\$ 8.96	\$85.96
51	1" Dia Elbow-Joint	7.00	0%	7.00	EA	\$ 41.00	\$ 287.00	0.16	1.12	\$ 56.00	\$ 62.72	\$349.72
52	1" Dia Tee-Joint	2.00	0%	2.00	EA	\$ 63.50	\$ 127.00	0.24	0.48	\$ 56.00	\$ 27.10	\$154.10
53	1" X 1" X 3/4" Dia Tee-Joint	3.00	0%	3.00	EA	\$ 63.50	\$ 190.50	0.24	0.73	\$ 56.00	\$ 40.66	\$231.16
54	1" X 3/4" X 1" Dia Tee-Joint	1.00	0%	1.00	EA	\$ 63.50	\$ 63.50	0.24	0.24	\$ 56.00	\$ 13.55	\$77.05
55	1-1/4" Dia Elbow-Joint	3.00	0%	3.00	EA	\$ 41.00	\$ 123.00	0.20	0.60	\$ 56.00	\$ 33.60	\$156.60
56	1-1/4" X 1" X 1" Dia Tee-Joint	5.00	0%	5.00	EA	\$ 63.50	\$ 317.50	0.30	1.48	\$ 56.00	\$ 82.88	\$400.38
57	1-1/4" X 1-1/4" X 3/4" Dia Tee-Joint	2.00	0%	2.00	EA	\$ 63.50	\$ 127.00	0.30	0.59	\$ 56.00	\$ 33.15	\$160.15
58	2" Dia Elbow-Joint	3.00	0%	3.00	EA	\$ 41.00	\$ 123.00	0.32	0.96	\$ 56.00	\$ 53.76	\$176.76
59	2" X 1-1/4" X 1" Dia Tee-Joint	1.00	0%	1.00	EA	\$ 63.50	\$ 63.50	0.47	0.47	\$ 56.00	\$ 26.38	\$89.88
60	2" X 1-1/4" X 1-1/4" Dia Tee-Joint	2.00	0%	2.00	EA	\$ 63.50	\$ 127.00	0.47	0.94	\$ 56.00	\$ 52.75	\$179.75
61	2-1/2" Dia Elbow-Joint	3.00	0%	3.00	EA	\$ 41.00	\$ 123.00	0.40	1.20	\$ 56.00	\$ 67.20	\$190.20
62	2-1/2" X 2" X 2" Dia Tee-Joint	2.00	0%	2.00	EA	\$ 63.50	\$ 127.00	0.59	1.19	\$ 56.00	\$ 66.42	\$193.42
PLUMBING FIXTURES												
63	3-Compartment Sink	1.00	0%	1.00	EA	\$ 797.63	\$ 797.63	3.20	3.20	\$ 56.00	\$ 179.20	\$976.83
64	Hand Sink	5.00	0%	5.00	EA	\$ 786.00	\$ 3,930.00	2.86	14.29	\$ 56.00	\$ 799.96	\$4,729.96
65	Preparation Sink	2.00	0%	2.00	EA	\$ 786.00	\$ 1,572.00	2.86	5.71	\$ 56.00	\$ 319.98	\$1,891.98
66	Mop Sink	1.00	0%	1.00	EA	\$ 786.00	\$ 786.00	2.86	2.86	\$ 56.00	\$ 159.99	\$945.99
67	Tag: Fco, 3" Dia Floor Clean Out, Manufacturer: Zurn Z-1400-Hd With Cast Iron Top	1.00	0%	1.00	EA	\$ 251.00	\$ 251.00	1.00	1.00	\$ 56.00	\$ 56.00	\$307.00
68	Tag: Fco, 4" Dia Floor Clean Out, Manufacturer: Zurn Z-1400-Hd With Cast Iron Top	1.00	0%	1.00	EA	\$ 285.00	\$ 285.00	1.33	1.33	\$ 56.00	\$ 74.65	\$359.65
69	Tag: Fd, 3" Dia Floor Drain, Manufacturer: Zurn Zn-415-S	1.00	0%	1.00	EA	\$ 355.00	\$ 355.00	2.00	2.00	\$ 56.00	\$ 112.00	\$467.00
70	Tag: Fs(3), 3" Dia Floor Sink, Manufacturer: Watts Sanitary Square-Fs-730	5.00	0%	5.00	EA	\$ 75.25	\$ 376.25	2.00	10.00	\$ 56.00	\$ 560.00	\$936.25
71	Tag: Fs(4), 4" Dia Floor Sink, Manufacturer: Watts Sanitary Square-Fs-730	1.00	0%	1.00	EA	\$ 75.25	\$ 75.25	2.00	2.00	\$ 56.00	\$ 112.00	\$187.25
72	Tag: P-1, Ada Lavatory, Manufacturer: American Standard Regaling Sink; Delta 2517 Metering Faucet; Offset Ada Trap And Insulation	2.00	0%	2.00	EA	\$ 749.00	\$ 1,498.00	2.00	4.00	\$ 56.00	\$ 224.00	\$1,722.00
73	Tag: P-2, Ada Water Closet, Manufacturer: American Standard Cadet Right Height, Pressure Assisted Toilet, 1.6 Gpf, Ada Compliant	2.00	0%	2.00	EA	\$ 542.00	\$ 1,084.00	2.76	5.52	\$ 56.00	\$ 309.01	\$1,393.01
PLUMBING EQUIPMENTS												
74	Aqua State	1.00	0%	1.00	EA	\$ 850.00	\$ 850.00	2.00	2.00	\$ 56.00	\$ 112.00	\$962.00
75	Connection For Combi Oven	1.00	0%	1.00	EA	\$ 95.87	\$ 95.87	2.00	2.00	\$ 56.00	\$ 112.00	\$207.87
76	Dish Washer	1.00	0%	1.00	EA	\$ 1,775.00	\$ 1,775.00	4.00	4.00	\$ 56.00	\$ 224.00	\$1,999.00
77	Gas Meter	1.00	0%	1.00	EA	\$ 385.00	\$ 385.00	0.91	0.91	\$ 56.00	\$ 51.02	\$436.02
78	Ice Making Box	1.00	0%	1.00	EA	\$ 95.87	\$ 95.87	2.00	2.00	\$ 56.00	\$ 112.00	\$207.87
79	Tag: Et-1, Thermal Expansion Tank	1.00	0%	1.00	EA	\$ 405.50	\$ 405.50	0.40	0.40	\$ 56.00	\$ 22.40	\$427.90
80	Tag: Gt-1, Grease Trap, Manufacturer: Zurn Gt2702-75, 75 Gpm, 150 Lb Capacity	1.00	0%	1.00	EA	\$ 2,190.00	\$ 2,190.00	8.00	8.00	\$ 56.00	\$ 448.00	\$2,638.00
81	Tag: Rp-1, Hot Water Recirculation Pump, 5Gpm/10Ft, 120V, 1-Phase	1.00	0%	1.00	EA	\$ 555.00	\$ 555.00	4.00	4.00	\$ 56.00	\$ 224.00	\$779.00

	Tag: Wh-1, Electric Water Heater, Manufacturer: Rinnai-R130In, Provide With Concentric Flue Sized Per Manufacturer	2.00	0%	2.00	EA	\$ 1,130.34	\$ 2,260.68	4.00	8.00	\$ 56.00	\$ 448.00	\$ 2,708.68	
82	Tea/Coffee Maker	1.00	0%	1.00	EA	\$ 95.87	\$ 95.87	2.00	2.00	\$ 56.00	\$ 112.00	\$ 207.87	
	PLUMBING VALVES												
84	1" Dia Ball Valve	8.00	0%	8.00	EA	\$ 31.00	\$ 248.00	0.42	3.37	\$ 56.00	\$ 188.00	\$ 436.61	
85	1" Dia Check Valve	1.00	0%	1.00	EA	\$ 143.00	\$ 143.00	0.42	0.42	\$ 56.00	\$ 23.52	\$ 166.58	
86	1-1/4" Dia Check Valve	1.00	0%	1.00	EA	\$ 206.00	\$ 206.00	0.53	0.53	\$ 56.00	\$ 29.68	\$ 235.85	
87	Drain Valve With Hose End	5.00	0%	5.00	EA	\$ 31.00	\$ 155.00	0.42	2.11	\$ 56.00	\$ 117.88	\$ 272.88	
88	Temperature And Pressure Relief Valve	2.00	0%	2.00	EA	\$ 210.00	\$ 420.00	0.29	0.29	\$ 56.00	\$ 32.03	\$ 452.03	
23	HEATING, VENTILATING AND AIR CONDITIONING (HVAC)											\$ 29,234	
	HVAC DUCTS												
	ROUND DUCTS												
89	6" Dia Exhaust Duct	11.00	10%	12.10	LF	\$ 3.14	\$ 37.99	0.06	0.68	\$ 60.00	\$ 40.92	\$ 78.91	
90	8" Dia Duct	34.12	10%	37.53	LF	\$ 3.96	\$ 148.63	0.09	3.04	\$ 60.00	\$ 182.20	\$ 330.83	
91	10" Dia Duct	112.10	10%	123.31	LF	\$ 4.59	\$ 561.00	0.11	12.78	\$ 60.00	\$ 766.76	\$ 1,332.76	
92	12" Dia Duct	27.96	10%	30.76	LF	\$ 5.55	\$ 170.70	0.16	4.47	\$ 60.00	\$ 268.42	\$ 439.11	
93	16" Dia Duct	3.90	10%	4.29	LF	\$ 7.75	\$ 31.10	0.18	0.70	\$ 60.00	\$ 42.12	\$ 73.22	
94	18" Dia Duct	11.66	10%	12.83	LF	\$ 9.18	\$ 117.74	0.20	2.33	\$ 60.00	\$ 139.92	\$ 257.66	
	RECTANGULAR DUCTS												
95	18" X 16" Duct	13.59	10%	14.95	LF	\$ 12.25	\$ 183.13	0.20	2.72	\$ 60.00	\$ 163.08	\$ 346.21	
96	20" X 20" Duct	9.25	10%	10.17	LF	\$ 14.45	\$ 147.03	0.21	1.94	\$ 60.00	\$ 116.55	\$ 263.58	
	HVAC PIPES												
97	3/4" Dia Condensate Drain Pipe	22.47	0%	24.67	LF	\$ 6.25	\$ 154.21	0.11	2.53	\$ 60.00	\$ 152.08	\$ 306.28	
98	Refrigerant Pipe Line	16.37	10%	18.01	LF	\$ 6.05	\$ 707.49	0.11	12.01	\$ 60.00	\$ 720.78	\$ 1,428.27	
	MECHANICAL DAMPERS												
99	Fire Damper	1.00	0%	1.00	EA	\$ 60.00	\$ 60.00	1.00	1.00	\$ 60.00	\$ 60.00	\$ 120.00	
100	Motorized Damper	3.00	0%	3.00	EA	\$ 79.17	\$ 237.51	1.00	3.00	\$ 60.00	\$ 180.00	\$ 417.51	
101	Volume Damper	13.00	0%	13.00	EA	\$ 122.00	\$ 1,586.00	1.00	13.00	\$ 60.00	\$ 780.00	\$ 2,366.00	
	DIFFUSERS, GRILLE AND REGISTERS												
	Diffusers												
	Tag: A, 2' X 2' Perforated Diffuser, Material: Aluminum, Finish: White, Manufacturer: Titus, Model: Pas-Aa*, 170Cfm												
102		1.00	0%	1.00	EA	\$ 260.00	\$ 260.00	0.89	0.89	\$ 60.00	\$ 53.34	\$ 313.34	
	Tag: A, 2' X 2' Perforated Diffuser, Material: Aluminum, Finish: White, Manufacturer: Titus, Model: Pas-Aa*, 260Cfm												
103		3.00	0%	3.00	EA	\$ 260.00	\$ 780.00	0.89	2.67	\$ 60.00	\$ 160.02	\$ 940.02	
	Tag: A, 2' X 2' Perforated Diffuser, Material: Aluminum, Finish: White, Manufacturer: Titus, Model: Pas-Aa*, 305Cfm												
104		1.00	0%	1.00	EA	\$ 260.00	\$ 260.00	0.89	0.89	\$ 60.00	\$ 53.34	\$ 313.34	
	Tag: A, 2' X 2' Perforated Diffuser, Material: Aluminum, Finish: White, Manufacturer: Titus, Model: Pas-Aa*, 50Cfm												
105		1.00	0%	1.00	EA	\$ 260.00	\$ 260.00	0.89	0.89	\$ 60.00	\$ 53.34	\$ 313.34	
	Tag: A, 2' X 2' Perforated Diffuser, Material: Aluminum, Finish: White, Manufacturer: Titus, Model: Pas-Aa*, 95Cfm												
106		1.00	0%	1.00	EA	\$ 260.00	\$ 260.00	0.89	0.89	\$ 60.00	\$ 53.34	\$ 313.34	
	Return Grille												
	Tag: C, 2' X 2' Perforated Return Grille, Manufacturer: Titus, Model # Par-Aa*												
107		4.00	0%	4.00	EA	\$ 105.00	\$ 420.00	0.50	2.00	\$ 60.00	\$ 120.00	\$ 540.00	
	Louvers												
	Tag: L1, 12" X 12" Louver, Type: Intake, Make: Ruskin, Model # Eme720												
108		1.00	0%	1.00	EA	\$ 69.50	\$ 69.50	0.40	0.40	\$ 60.00	\$ 24.00	\$ 93.50	
	Tag: L2, 48" X 48" Louver, Type: Intake, Make: Ruskin, Model # Eme720												
109		1.00	0%	1.00	EA	\$ 187.41	\$ 187.41	0.40	0.40	\$ 60.00	\$ 24.00	\$ 211.41	
	Tag: L3, 48" X 48" Louver, Type: Intake, Make: Ruskin, Model # Eme720												
110		1.00	0%	1.00	EA	\$ 187.41	\$ 187.41	0.40	0.40	\$ 60.00	\$ 24.00	\$ 211.41	
111	12" X 12" Intake Louver In Wall With Bird Screen	1.00	0%	1.00	EA	\$ 69.50	\$ 69.50	0.40	0.40	\$ 60.00	\$ 24.00	\$ 93.50	
	EXHAUST FANS												

112	Tag: Ef-1, Exhaust Fan, Cfm: 100, Drive: Direct, Static Pressure: 0.3W.G, Type: Ceiling, Manufacturer: Cook, Model # Gc-242, Volt: 120V, Amps: 15A	1.00	0%	1.00	EA	\$ 276.00	\$ 276.00	2.00	2.00	\$ 60.00	\$ 120.00	\$396.00	
113	Tag: Ref-1, Exhaust Fan, Cfm: 3500, Drive: Belt, Static Pressure: 0.3W.G, Type: Prop, Motor: 0.5Hp, Manufacturer: Cook, Model # 24Ep420B, Volt: 120V, Amps: 20A	1.00	0%	1.00	EA	\$ 1,975.00	\$ 1,975.00	2.50	2.50	\$ 60.00	\$ 150.00	\$2,125.00	
114	Tag: Ref-2, Exhaust Fan, Cfm: 3500, Drive: Belt, Static Pressure: 0.3W.G, Type: Prop, Motor: 0.5Hp, Manufacturer: Cook, Model # 24Ep420B, Volt: 120V, Amps: 20A	1.00	0%	1.00	EA	\$ 1,975.00	\$ 1,975.00	2.50	2.50	\$ 60.00	\$ 150.00	\$2,125.00	
115	Tag: Ref-3, Exhaust Fan, Cfm: 1300, Drive: Direct, Static Pressure: 0.2W.G, Type: Prop, Motor: 0.25Hp, Manufacturer: Cook, Model # 16917D, Volt: 120V, Amps: 20A	1.00	0%	1.00	EA	\$ 1,400.00	\$ 1,400.00	2.50	2.50	\$ 60.00	\$ 150.00	\$1,550.00	
	UNIT HEATERS												
116	Tag: Uh-1, Electric Unit Heater, Make: Raywall, Model: 21Uhmt5, Weight: 32Lbs, Watt: 2.5Kw, Controller: T-Start, Integral, Volts: 208V, Amps: 12A	1.00	0%	1.00	EA	\$ 600.00	\$ 600.00	2.00	2.00	\$ 60.00	\$ 120.00	\$720.00	
117	Tag: Uh-2, Electric Unit Heater, Make: Raywall, Model: 21Uhmt5, Weight: 32Lbs, Watt: 3.7Kw, Controller: T-Start, Integral, Volts: 208V, Amps: 12A	1.00	0%	1.00	EA	\$ 600.00	\$ 600.00	2.00	2.00	\$ 60.00	\$ 120.00	\$720.00	
118	Tag: Uh-3, Electric Unit Heater, Make: Raywall, Model: 21Uhmt5, Weight: 32Lbs, Watt: 3.7Kw, Controller: T-Start, Integral, Volts: 208V, Amps: 12A	1.00	0%	1.00	EA	\$ 600.00	\$ 600.00	2.00	2.00	\$ 60.00	\$ 120.00	\$720.00	
	AC UNITS												
119	Tag: Ac-1, Air Conditioner, Cfm: 1400, Total Capacity: 48Mbh, Eat Db/Wb: 80/67, Watt: 11Kw, Mocp: 80, Volts: 208/1, Manufacturer: Trane, Model # Tam4A0A48	1.00	0%	1.00	EA	\$ 1,450.00	\$ 1,450.00	5.33	5.33	\$ 60.00	\$ 319.98	\$1,769.98	
	CONDENSING UNITS												
120	Tag: Cu-1, Condensing Unit, Capacity: 48Mbh, Efficiency: 14 Seer, Mca: 28, Mocp: 50, Volt: 208/1, Manufacturer: Trane, Model # 4Tta4048	1.00	0%	1.00	EA	\$ 1,800.00	\$ 1,800.00	6.40	6.40	\$ 60.00	\$ 384.00	\$2,184.00	
	MECHANICAL EQUIPMENT SWITCHES												
121	Exhaust Fan Wall Switch	2.00	0%	2.00	EA	\$ 35.50	\$ 71.00	1.65	3.30	\$ 60.00	\$ 197.88	\$268.88	
122	Mechanical Contactor Motor Starter Switch, 30Amps, 1-Pole, 120V	2.00	0%	2.00	EA	\$ 32.99	\$ 65.98	1.65	3.30	\$ 60.00	\$ 197.88	\$263.86	
	MISCELLNEOUS												
123	180" Exhaust Discharge Goose-Neck	1.00	0%	1.00	EA	\$ 88.54	\$ 88.54	1.00	1.00	\$ 60.00	\$ 60.00	\$148.54	
124	Thermostat	5.00	0%	5.00	EA	\$ 100.06	\$ 500.30	2.00	10.00	\$ 60.00	\$ 600.00	\$1,100.30	
125	Duct Hanger	112.00	0%	112.00	EA	\$ 6.60	\$ 739.20	0.10	11.20	\$ 60.00	\$ 672.00	\$1,411.20	
126	Vehicle Exhaust Outlets	8.00	0%	8.00	EA	\$ 218.01	\$ 1,744.08	1.80	14.40	\$ 60.00	\$ 864.00	\$2,608.08	
127	Weather Collar	1.00	0%	1.00	EA	\$ 14.00	\$ 14.00	0.10	0.10	\$ 60.00	\$ 6.00	\$20.00	
26	ELECTRICAL											\$ 45,221	
	Conduits												
128	1" Emt Conduit	35.00	10%	38.50	LF	\$ 1.90	\$ 73.15	0.07	2.45	\$ 60.00	\$ 147.00	\$220.15	
129	1" CONN SS STL - EMT	3.00	0%	3.00	EA								
130	1" COUPLING SS STL - EMT	4.00	0%	4.00	EA								
131	1" 1-H STRAP - EMT - STEEL	6.00	0%	6.00	EA								
132	#8 TO #10 X 7/8 PLAS ANCHOR (3/16)	8.00	0%	8.00	EA								
133	#10 X 1 P/H SELF-TAP SCREW	8.00	0%	8.00	EA								
134	3/4" Emt Conduit	1,145.00	10%	1,259.50	LF	\$ 1.18	\$ 1,486.21	0.06	\$ 70.99	\$ 60.00	\$ 4,259.40	\$5,745.61	
135	3/4" CONN SS STL - EMT	92.00	0%	92.00	EA								
136	3/4" COUPLING SS STL - EMT	115.00	0%	115.00	EA								
137	3/4" 1-H STRAP - EMT - STEEL	171.00	0%	171.00	EA								
138	#8 TO #10 X 7/8 PLAS ANCHOR (3/16)	229.00	0%	229.00	EA								

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