

Sr#	Dwg. #	Description	Qty.	Unit	Unit Material Price	Unit Labor Price	Material Cost	Labor Cost	Total Cost	Total Trade Cost
GENERAL REQUIREMENTS										
1		Supervision & Management	1	LS		\$120,150.00	\$0.00	\$120,150.00	\$120,150.00	
2		Permits	1	LS		\$1,000.00	\$0.00	\$1,000.00	\$1,000.00	
3		Final Clean-up	1	LS		\$15,200.00	\$0.00	\$15,200.00	\$15,200.00	
4		Mobilization Costs	1	LS		\$32,850.00	\$0.00	\$32,850.00	\$32,850.00	
5		Project Overheads	1	LS			\$0.00	\$0.00	\$0.00	
6		Bonds	1	LS			\$0.00	\$0.00	\$0.00	
7		Temporary Control & Facilities	1	LS			\$0.00	\$0.00	\$0.00	
Subtotal (General Requirements)										\$169,200
DIVISION 21- FIRE SUPPRESSION										
Site										
8		12" Fire lane	3019	LF	\$52.16	\$40.90	\$157,471.04	\$123,465.02	\$280,936.06	
9		6" Fire lane	394	LF	\$36.43	\$34.26	\$14,353.42	\$13,498.44	\$27,851.86	
10		Fire Hydrant	7	EA	\$2,552.00	\$279.00	\$17,864.00	\$1,953.00	\$19,817.00	
Shop "A"										
11		2" Sprinkler pipe	1204	LF	\$9.77	\$12.00	\$11,763.08	\$14,448.00	\$26,211.08	
12		4" Sprinkler pipe	182	LF	\$26.82	\$21.36	\$4,881.24	\$3,887.52	\$8,768.76	
13		10" Electric Bell	1	EA	\$88.40	\$67.20	\$88.40	\$67.20	\$155.60	
14		Fire Department Connection	1	EA	\$245.50	\$139.20	\$245.50	\$139.20	\$384.70	
15		Backflow Preventer	2	EA	\$338.80	\$127.50	\$677.60	\$255.00	\$932.60	
16		Tyco SIN TY4151 QR Upright Sprinkler	17	EA	\$21.25	\$21.60	\$361.25	\$367.20	\$728.45	
17		Tyco SIN Ty4151 QR Upright On 1"x1/2"x1" Tee	96	EA	\$21.25	\$21.60	\$2,040.00	\$2,073.60	\$4,113.60	
18		Tyco TY5332 SR EC Horiz. Sidewall	9	EA	\$28.50	\$25.20	\$256.50	\$226.80	\$483.30	
Shop "B"										
19		2" Sprinkler pipe	1278	LF	\$9.77	\$12.00	\$12,486.06	\$15,336.00	\$27,822.06	
20		4" Sprinkler pipe	192	LF	\$26.82	\$21.36	\$5,149.44	\$4,101.12	\$9,250.56	
21		10" Electric Bell	1	EA	\$88.40	\$67.20	\$88.40	\$67.20	\$155.60	
22		Backflow Preventer	2	EA	\$338.80	\$127.50	\$677.60	\$255.00	\$932.60	
23		Fire Department Connection	1	EA	\$245.50	\$139.20	\$245.50	\$139.20	\$384.70	
24		Tyco SIN TY4151 QR Upright Sprinkler	22	EA	\$21.25	\$31.10	\$467.50	\$684.29	\$1,151.79	
25		Tyco SIN Ty4151 QR Upright On 1"x1/2"x1" Tee	99	EA	\$21.25	\$31.10	\$2,103.75	\$3,079.30	\$5,183.05	
26		Tyco TY5332 SR EC Horiz. Sidewall	2	EA	\$28.50	\$36.29	\$57.00	\$72.58	\$129.58	
27		Tyco SIN Ty323 QR Pendant W/ 2 PC REC ESC	6	EA	\$15.99	\$27.65	\$95.94	\$165.89	\$261.83	
Shop "C"										
28		2" Sprinkler pipe	705	LF	\$9.77	\$12.00	\$6,887.85	\$8,460.00	\$15,347.85	
29		4" Sprinkler pipe	184	LF	\$26.82	\$21.36	\$4,934.88	\$3,930.24	\$8,865.12	
30		2-1/2"x2-1/2"x4" Fire Department Connection W/ NST & Check Valve	1	EA	\$315.60	\$193.20	\$315.60	\$193.20	\$508.80	
31		Tyco SIN TY4151 QR Upright Sprinkler	5	EA	\$21.25	\$31.10	\$106.25	\$155.52	\$261.77	
32		Tyco SIN Ty4151 QR Upright On 1"x1/2"x1" Tee	68	EA	\$21.25	\$31.10	\$1,445.00	\$2,115.07	\$3,560.07	
33		Tyco TY5332 SR EC Horiz. Sidewall	4	EA	\$28.50	\$36.29	\$114.00	\$145.15	\$259.15	
34		Tyco SIN Ty323 QR Pendant W/ 2 PC REC ESC	4	EA	\$15.99	\$27.65	\$63.96	\$110.59	\$174.55	
35		10" Electric Bell	1	EA	\$88.40	\$67.20	\$88.40	\$67.20	\$155.60	
36		Backflow Preventer	2	EA	\$338.80	\$127.50	\$677.60	\$255.00	\$932.60	
Main Building										
37		Sprinkler #1	398	EA	\$28.50	\$30.24	\$11,343.00	\$12,035.52	\$23,378.52	
38		Sprinkler #2	132	EA	\$28.50	\$30.24	\$3,762.00	\$3,991.68	\$7,753.68	
39		Sprinkler #3	49	EA	\$28.50	\$30.24	\$1,396.50	\$1,481.76	\$2,878.26	
40		Sprinkler #4	63	EA	\$28.50	\$30.24	\$1,795.50	\$1,905.12	\$3,700.62	
41		4" Main Sprinkler pipe	6820	LF	\$21.98	\$21.01	\$149,928.20	\$143,287.08	\$293,215.28	
42		2" Sprinkler Brach/Pipe	199	LF	\$9.77	\$12.00	\$1,944.23	\$2,388.00	\$4,332.23	
43		6" Fire Sprinkler from Site	11	LF	\$36.43	\$34.26	\$400.73	\$376.86	\$777.59	
44		6" Fire Protection Water Service from Public Water System - Above Ground Backflow Preventer provided Away from Building	1	EA	\$215.20	\$117.00	\$215.20	\$117.00	\$332.20	
Subtotal (Fire Suppression)										\$782,089
DIVISION 22- PLUMBING										
Shop "A"										
Plumbing Fixtures										
45		WH: Wall Hydrant - MIFAB MHY-35, Encased, 3/4" Inlet/Outlet, Non-Removable Vacuum Breaker, Nickel Bronze Flush Mounting Wall Box W/ Hinged Locking Cover & Loose Tee Key Handle	6	EA	\$614.19	\$240.50	\$3,685.14	\$1,443.00	\$5,128.14	
46		GI: Grease Interceptor - Green-Turtle "PROCEPTOR", #MGC-2000 UPC, 2000 Gallon Capacity, 2-Compartment, Fiberglass Reinforced Construction With Integral Baffle, 4" Inlet/Outlet Connection, 2-Inspection Port, 2-3" Vent Ports & Malinar Flow	1	EA	\$6,102.76	\$1,007.50	\$6,102.76	\$1,007.50	\$7,110.26	
47		SCO: Surface Cleanout - MIFAB C1300-MF-4-6 Heavy Duty Access Housing With Anchor Flanges, Ductile Iron Top & Security Screws With MIFAB C1230-4 In line Cleanout With Neoprene Primary Gasket Seal With Cast Iron Body & Ductile Iron Cover/plug	13	EA	\$647.52	\$357.50	\$8,417.76	\$4,647.50	\$13,065.26	
48		FCO: Floor Cleanout - MIFAB C1224-XR-4-6-34B Lacquered Cast Iron Body With Ductile Iron Top With Security Screws, Neoprene Primary Gasket Seal & Secondary Brass Closure Plug	2	EA	\$1,462.00	\$404.30	\$2,924.00	\$808.60	\$3,732.60	
49		RH: Roof Hydrant - Rise & Sleeve 3/4" CW Through Roof to Roof Hydrant Above	1	EA	\$676.74	\$302.90	\$676.74	\$302.90	\$979.64	

Sr#	Dwg. #	Description	Qty.	Unit	Unit Material Price	Unit Labor Price	Material Cost	Labor Cost	Total Cost	Total Trade Cost
50	P110	2-1/2" CW With Sub-Meter Valve & Capped Above Ceiling for Future T.I.	2	EA	\$354.25	\$172.90	\$708.50	\$345.80	\$1,054.30	
51		2" CW With Sub-Meter Valve & Capped Above Ceiling for Future T.I.	4	EA	\$288.66	\$159.25	\$1,154.64	\$637.00	\$1,791.64	
52		Plumbing Piping & Fittings								
53		4" Roof/Overflow Leaders	75	LF	\$24.78	\$21.65	\$1,858.50	\$1,623.38	\$3,481.88	
54		4" Building Drain Line OR Grease Drain Line (GD)	529	LF	\$24.78	\$21.65	\$13,108.62	\$11,450.21	\$24,558.83	
55		3" Vent Relief Vent	95	LF	\$20.75	\$19.63	\$1,971.25	\$1,864.85	\$3,836.10	
56		3" Dia. CW Pipe	91	LF	\$72.11	\$27.89	\$6,561.56	\$2,537.54	\$9,099.09	
57		2-1/2" Dia. CW Pipe	20	LF	\$53.13	\$25.16	\$1,062.60	\$503.10	\$1,565.70	
58		2" Dia. CW Pipe	13	LF	\$34.16	\$18.53	\$444.02	\$240.83	\$684.84	
59		1" Dia. CW Pipe	17	LF	\$12.68	\$11.51	\$215.48	\$195.59	\$411.06	
60		3/4" Dia. CW Pipe	287	LF	\$9.80	\$10.24	\$2,811.17	\$2,938.16	\$5,749.33	
61		Preformed Fiber-glass OR Engineered Polymer Foam Insulation	785	SF	\$4.8	\$5.1	\$3,768.00	\$3,964.25	\$7,732.25	
62		3/4" to 3/4" - 90 Degree Elbow	12	EA	\$25.95	\$42.90	\$311.40	\$514.80	\$826.20	
63		2-1/2" to 2-1/2" to 3/4" - 90 Degree Tee	1	EA	\$59.34	\$53.63	\$59.34	\$53.63	\$112.97	
64		2-1/2" to 3/4" to 3" - 90 Degree Tee	1	EA	\$122.99	\$40.95	\$122.99	\$40.95	\$163.94	
65		2" to 3" to 3" - 90 Degree Tee	4	EA	\$163.49	\$82.88	\$653.94	\$331.50	\$985.44	
66		3/4" to 3" to 3" - 90 Degree Tee	2	EA	\$182.99	\$86.48	\$365.97	\$172.97	\$538.94	
67		1" to 3/4" to 3/4" - 90 Degree Tee	1	EA	\$38.61	\$38.22	\$38.61	\$38.22	\$76.83	
68		3/4" to 3/4" to 3/4" - 90 Degree Tee	1	EA	\$25.95	\$42.90	\$25.95	\$42.90	\$68.85	
69		2-1/2" to 2-1/2" to 1" - 90 Degree Tee	1	EA	\$84.45	\$35.10	\$84.45	\$35.10	\$119.55	
70		4" to 4" to 4" - 45 Degree Tee	3	EA	\$283.49	\$89.70	\$850.46	\$269.10	\$1,119.56	
71		4" to 4" - 45 Degree Elbow	3	EA	\$148.49	\$75.08	\$445.46	\$225.23	\$670.68	
72		3" to 3" - 45 Degree Elbow	4	EA	\$67.94	\$31.20	\$271.74	\$124.80	\$396.54	
73		4" to 4" - 22.5 Degree Elbow	2	EA	\$148.49	\$78.98	\$296.97	\$157.95	\$454.92	
74		4" Roof Drain	2	EA	\$131.39	\$150.15	\$262.77	\$300.30	\$563.07	
75		4" Overflow Drain	2	EA	\$212.99	\$180.38	\$425.97	\$360.75	\$786.72	
76	Shut-off Valve	3	EA	\$47.70	\$93.41	\$143.10	\$280.22	\$423.32		
77	Connection to Site Utilities	2	LOC	\$172.50	\$102.86	\$345.00	\$205.73	\$550.73		
		Shop "B"								
		Plumbing Fixtures								
77		WH: Wall Hydrant - MIFAB MHY-35, Encased, 3/4" Inlet/Outlet, Non-Removable Vacuum Breaker, Nickel Bronze Flush Mounting Wall Box W/ Hinged Locking Cover & Loose Tee Key Handle	5	EA	\$921.29	\$360.75	\$4,606.43	\$1,803.75	\$6,410.18	
78		GI: Grease Interceptor - Green-Turtle "PROCEPTOR", #MGC-2000 UPC, 2000 Gallon Capacity, 2-Compartment, Fiberglass Reinforced Construction With Integral Baffle, 4" Inlet/Outlet Connection, 2-Inspection Port, 2-3" Vent Ports & Malinal Flow	1	EA	\$9,154.14	\$1,511.25	\$9,154.14	\$1,511.25	\$10,665.39	
79		SCO: Surface Cleanout - MIFAB C1300-MF-4-6 Heavy Duty Access Housing With Anchor Flanges, Ductile Iron Top & Security Screws With MIFAB C1230-4 In line Cleanout With Neoprene Primary Gasket Seal With Cast Iron Body & Ductile Iron Cover/plug	5	EA	\$971.28	\$536.25	\$4,856.40	\$2,681.25	\$7,537.65	
80		FCO: Floor Cleanout - MIFAB C1224-XR-4-6-34B Lacquered Cast Iron Body With Ductile Iron Top With Security Screws, Neoprene Primary Gasket Seal & Secondary Brass Closure Plug	6	EA	\$2,193.00	\$606.45	\$13,158.00	\$3,638.70	\$16,796.70	
81		4" Roof Drain	2	EA	\$131.39	\$150.15	\$262.77	\$300.30	\$563.07	
82		4" Overflow Drain	2	EA	\$212.99	\$180.38	\$425.97	\$360.75	\$786.72	
83		RH: Roof Hydrant - Rise & Sleeve 3/4" CW Through Roof to Roof Hydrant Above	1	EA	\$1,015.11	\$375.38	\$1,015.11	\$375.38	\$1,390.49	
84		Connection to Site Utilities	2	LOC	\$172.50	\$102.86	\$345.00	\$205.73	\$550.73	
85		2-1/2" CW With Sub-Meter Valve & Capped Above Ceiling for Future T.I.	1	EA	\$531.38	\$259.35	\$531.38	\$259.35	\$790.73	
86	P111	2" CW With Sub-Meter Valve & Capped Above Ceiling for Future T.I.	6	EA	\$432.99	\$238.88	\$2,597.94	\$1,433.25	\$4,031.19	
87		Plumbing Piping & Fittings								
88		3" Dia. CW Pipe	84	LF	\$72.11	\$27.89	\$6,056.82	\$2,342.34	\$8,399.16	
89		2-1/2" Dia. CW Pipe	27	LF	\$53.13	\$25.16	\$1,434.51	\$679.19	\$2,113.70	
90		3/4" Dia. CW Pipe	268	LF	\$9.80	\$10.24	\$2,625.06	\$2,743.65	\$5,368.71	
91		4" Dia. CW Pipe	58	LF	\$121.44	\$39.98	\$7,043.52	\$2,318.55	\$9,362.07	
92		2" Dia. CW Pipe	38	LF	\$34.16	\$18.53	\$1,297.89	\$703.95	\$2,001.84	
93		4" Building Drain Line OR Grease Drain Line (GD)	371	LF	\$37.17	\$32.47	\$13,790.07	\$12,045.44	\$25,835.51	
94		Preformed Fiber-glass OR Engineered Polymer Foam Insulation	613	SF	\$4.8	\$5.1	\$2,942.40	\$3,095.65	\$6,038.05	
95		3" Vent Relief Vent	75	LF	\$31.13	\$29.45	\$2,334.38	\$2,208.38	\$4,542.75	
96		4" Roof/Overflow Leaders	89	LF	\$37.17	\$32.47	\$3,308.13	\$2,889.61	\$6,197.74	
97		Shut-off Valve	9	EA	\$47.70	\$152.10	\$429.30	\$1,368.90	\$1,798.20	
98		3/4" to 3/4" - 90 Degree Elbow	7	EA	\$25.80	\$42.90	\$180.60	\$300.30	\$480.90	
99		4" to 3/4" to 3/4" - 90 Degree Tee	1	EA	\$103.35	\$54.60	\$103.35	\$54.60	\$157.95	
100		4" to 4" - 90 Degree Elbow	2	EA	\$148.49	\$75.08	\$296.97	\$150.15	\$447.12	
101		4" to 4" - 45 Degree Elbow	2	EA	\$148.49	\$75.08	\$296.97	\$150.15	\$447.12	
102		2-1/2" to 3/4" to 3/4" - 90 Degree Tee	1	EA	\$88.49	\$50.70	\$88.49	\$50.70	\$139.19	
103		3/4" to 3/4" to 3" - 90 Degree Tee	1	EA	\$130.83	\$75.08	\$130.83	\$75.08	\$205.91	
104		2" to 3" to 3" - 90 Degree Tee	4	EA	\$163.49	\$82.88	\$653.94	\$331.50	\$985.44	
105		4" to 3" to 3" - 90 Degree Tee	1	EA	\$218.40	\$89.70	\$218.40	\$89.70	\$308.10	
106		3/4" to 3" to 3" - 90 Degree Tee	1	EA	\$182.99	\$86.48	\$182.99	\$86.48	\$269.47	
107		2-1/2" to 3/4" to 3" - 90 Degree Tee	1	EA	\$122.99	\$40.95	\$122.99	\$40.95	\$163.94	
108		2-1/2" to 3/4" to 2" - 90 Degree Tee	1	EA	\$108.90	\$39.98	\$108.90	\$39.98	\$148.88	
109		2-1/2" to 2" to 2-1/2" - 90 Degree Tee	1	EA	\$158.40	\$79.95	\$158.40	\$79.95	\$238.35	
110		4" to 4" - 45 Degree Elbow	7	EA	\$148.49	\$78.98	\$1,039.40	\$552.83	\$1,592.22	

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110		4" to 4" to 4" - 45 Degree Tee	4	EA	\$283.49	\$89.70	\$1,133.94	\$358.80	\$1,492.74	
111		3" to 3" - 45 Degree Elbow	2	EA	\$67.94	\$31.20	\$135.87	\$62.40	\$198.27	
112		4" to 4" - 90 Degree Elbow	5	EA	\$148.49	\$78.98	\$742.43	\$394.88	\$1,137.30	
		Shop "C"								
		Plumbing Fixtures								
113		WH: Wall Hydrant - MIFAB MHY-35, Encased, 3/4" Inlet/Outlet, Non-Removable Vacuum Breaker, Nickle Bronze Flush Mounting Wall Box W/ Hinged Locking Cover & Loose Tee Key Handle	3	EA	\$921.29	\$360.75	\$2,763.86	\$1,082.25	\$3,846.11	
114		Future Sample Box & Grease Interceptor	1	EA	\$9,154.14	\$1,482.00	\$9,154.14	\$1,482.00	\$10,636.14	
115		Cap Vent/Waste Piping Below Ground For Future Connection	3	EA	\$971.28	\$327.60	\$2,913.84	\$982.80	\$3,896.64	
116		SCO: Surface Cleanout - MIFAB C1300-MF-4-6 Heavy Duty Access Housing With Anchor Flanges, Ductile Iron Top & Security Screws With MIFAB C1230-4 In line Cleanout With Neoprene Primary Gasket Seal With Cast Iron Body & Ductile Iron Cover/plug	5	EA	\$2,193.00	\$550.88	\$10,965.00	\$2,754.38	\$13,719.38	
117		FCO: Floor Cleanout - MIFAB C1224-XR-4-6-34B Lacquered Cast Iron Body With Ductile Iron Top With Security Screws, Neoprene Primary Gasket Seal & Secondary Brass Closure Plug	4	EA	\$131.39	\$150.15	\$525.54	\$600.60	\$1,126.14	
118		4" Roof Drain	2	EA	\$212.99	\$180.38	\$425.97	\$360.75	\$786.72	
119		4" Overflow Drain	2	EA	\$1,015.11	\$375.38	\$2,030.22	\$750.75	\$2,780.97	
120		2" CW With Sub-Meter Valve & Capped Above Ceiling for Future T.I.	4	EA	\$531.38	\$259.35	\$2,125.50	\$1,037.40	\$3,162.90	
121		2-1/2" CW With Sub-Meter Valve & Capped Above Ceiling for Future T.I.	1	EA	\$432.99	\$238.88	\$432.99	\$238.88	\$671.87	
122		RH: Roof Hydrant - Rise & Sleeve 3/4" CW Through Roof to Roof Hydrant Above	1	EA	\$267.90	\$181.20	\$267.90	\$181.20	\$449.10	
		Plumbing Piping & Fittings								
123	P-112	3" Dia. CW Pipe	59	LF	\$72.11	\$27.89	\$4,254.20	\$1,645.22	\$5,899.41	
124		2-1/2" Dia. CW Pipe	42	LF	\$53.13	\$25.16	\$2,231.46	\$1,056.51	\$3,287.97	
125		2" Dia. CW Pipe	33	LF	\$34.16	\$18.53	\$1,127.12	\$611.33	\$1,738.44	
126		3/4" Dia. CW Pipe	208	LF	\$9.80	\$10.24	\$2,037.36	\$2,129.40	\$4,166.76	
127		4" Building Drain Line OR Grease Drain Line (GD)	236	LF	\$37.17	\$32.47	\$8,772.12	\$7,662.33	\$16,434.45	
128		Preformed Fiber-glass OR Engineered Polymer Foam Insulation	380	SF	\$4.8	\$5.1	\$1,824.00	\$1,919.00	\$3,743.00	
129		3" Vent Relief Vent	42	LF	\$31.13	\$29.45	\$1,307.25	\$1,236.69	\$2,543.94	
130		4" Roof/Overflow Leaders	90	LF	\$37.17	\$32.47	\$3,345.30	\$2,922.08	\$6,267.38	
131		Connection to Site Utilities	2	LOC	\$172.50	\$102.86	\$345.00	\$205.73	\$550.73	
132		3/4" to 3/4" - 90 Degree Elbow	6	EA	\$25.95	\$42.90	\$155.70	\$257.40	\$413.10	
133		Shut-off Valve	2	EA	\$47.70	\$152.10	\$95.40	\$304.20	\$399.60	
134		3" to 3" - 45 Degree Elbow	1	EA	\$67.94	\$31.20	\$67.94	\$31.20	\$99.14	
135		3" to 3" - 90 Degree Elbow	1	EA	\$67.94	\$31.20	\$67.94	\$31.20	\$99.14	
136		3" to 3" to 3/4" - 90 Degree Tee	1	EA	\$182.99	\$86.48	\$182.99	\$86.48	\$269.47	
137		3" to 3" to 2-1/2" - 90 Degree Tee	1	EA	\$168.30	\$82.88	\$168.30	\$82.88	\$251.18	
138		2-1/2" to 2" to 3" - 90 Degree Tee	2	EA	\$144.75	\$80.24	\$289.50	\$160.49	\$449.99	
139		2-1/2" to 2-1/2" to 3/4" - 90 Degree Tee	1	EA	\$103.95	\$39.98	\$103.95	\$39.98	\$143.93	
140		2-1/2" to 2-1/2" to 2" - 90 Degree Tee	1	EA	\$158.40	\$79.95	\$158.40	\$79.95	\$238.35	
141		2" to 2" to 3/4" - 90 Degree Tee	1	EA	\$68.40	\$40.95	\$68.40	\$40.95	\$109.35	
142		3/4" to 3/4" to 3/4" - 90 Degree Tee	1	EA	\$37.50	\$64.35	\$37.50	\$64.35	\$101.85	
143		4" to 4" to 4" - 45 Degree Tee	3	EA	\$283.49	\$89.70	\$850.46	\$269.10	\$1,119.56	
144		4" to 4" - 45 Degree Elbow	10	EA	\$148.49	\$78.98	\$1,484.85	\$789.75	\$2,274.60	
145		4" to 4" - 90 Degree Elbow	1	EA	\$148.49	\$78.98	\$148.49	\$78.98	\$227.46	
146		3" to 3" - 45 Degree Elbow	1	EA	\$67.94	\$31.20	\$67.94	\$31.20	\$99.14	
		Main Building								
		Waste & Vent Piping & Fittings								
147		3/4" Dia. CD Pipe	123	LF	\$9.80	\$10.24	\$1,204.79	\$1,259.21	\$2,464.00	
148		1/2" Dia. ID Pipe	31	LF	\$6.71	\$9.65	\$207.86	\$299.23	\$507.08	
149		6" Truck Dock Drain	16	LF	\$47.82	\$39.98	\$765.12	\$639.60	\$1,404.72	
150		4" Dia. CWV Pipe (Combo Waste & vent)	527	LF	\$37.17	\$32.47	\$19,588.59	\$17,110.37	\$36,698.96	
151		3" Dia. CWV Pipe (Combo Waste & vent)	315	LF	\$31.13	\$29.45	\$9,804.38	\$9,275.18	\$19,079.55	
152		4" Dia. San Pipe	896	LF	\$37.17	\$32.47	\$33,304.32	\$29,090.88	\$62,395.20	
153		3" Dia. San Pipe	206	LF	\$31.13	\$29.45	\$6,411.75	\$6,065.67	\$12,477.42	
154		2" Dia. San Pipe	402	LF	\$16.85	\$26.42	\$6,771.69	\$10,621.85	\$17,393.54	
155		4" Dia. GW Pipe	476	LF	\$37.17	\$32.47	\$17,692.92	\$15,454.53	\$33,147.45	
156		3" Dia. GW Pipe	146	LF	\$31.13	\$29.45	\$4,544.91	\$4,298.97	\$8,843.88	
157		2" Dia. GW Pipe	327	LF	\$16.85	\$26.42	\$5,508.32	\$8,640.16	\$14,148.47	
158		2" Dia. Vent Pipe	1109	LF	\$16.85	\$26.42	\$18,681.11	\$29,302.55	\$47,983.66	
159		3" Dia. Vent Pipe	522	LF	\$31.13	\$29.45	\$16,249.60	\$15,370.29	\$31,619.89	
160		3" to 3" to 3/4" - 90 Degree Tee	122	EA	\$38.34	\$50.70	\$4,677.48	\$6,185.40	\$10,862.88	
161		3" to 3" to 4" - 90 Degree Tee	269	EA	\$50.54	\$46.80	\$13,593.92	\$12,589.20	\$26,183.12	
162		3/4" to 3/4" to 3/4" - 90 Degree Tee	126	EA	\$25.95	\$42.90	\$3,269.70	\$5,405.40	\$8,675.10	
163		4" to 4" to 4" - 45 Degree Tee	364	EA	\$56.34	\$50.70	\$20,507.76	\$18,454.80	\$38,962.56	
164		4" to 4" - 45 Degree Elbow	489	EA	\$42.90	\$44.85	\$20,978.10	\$21,931.65	\$42,909.75	
165		4" to 4" - 90 Degree Elbow	163	EA	\$42.90	\$44.85	\$6,992.70	\$7,310.55	\$14,303.25	
166		3" to 3" - 45 Degree Elbow	453	EA	\$33.15	\$40.17	\$15,016.95	\$18,197.01	\$33,213.96	
167		3" to 3" - 90 Degree Elbow	192	EA	\$33.15	\$40.17	\$6,364.80	\$7,712.64	\$14,077.44	
168		2" to 3" to 3" - 90 Degree Tee	114	EA	\$38.40	\$43.97	\$4,377.60	\$5,012.87	\$9,390.47	
169		2" to 3" to 3" - 45 Degree Tee	112	EA	\$38.40	\$43.97	\$4,300.80	\$4,924.92	\$9,225.72	
		Gas Piping & Fittings								
170		6" Dia. Gas Pipe	40	LF	\$54.65	\$55.67	\$2,185.80	\$2,226.90	\$4,412.70	
171		5" Dia. Gas Pipe	130	LF	\$48.57	\$42.12	\$6,314.10	\$5,475.60	\$11,789.70	
172		4" Dia. Gas Pipe	281	LF	\$40.23	\$34.71	\$11,304.63	\$9,753.51	\$21,058.14	
173		3" Dia. Gas Pipe	127	LF	\$28.47	\$31.20	\$3,615.69	\$3,962.40	\$7,578.09	

Sr#	Dwg. #	Description	Qty.	Unit	Unit Material Price	Unit Labor Price	Material Cost	Labor Cost	Total Cost	Total Trade Cost
174		2" Dia. Gas Pipe	577	LF	\$14.66	\$19.50	\$8,455.94	\$11,251.50	\$19,707.44	
175		2-1/2" Dia. Gas Pipe	277	LF	\$23.22	\$27.30	\$6,431.94	\$7,562.10	\$13,994.04	
176		1-1/4" Dia. Gas Pipe	221	LF	\$11.01	\$13.46	\$2,433.21	\$2,973.56	\$5,406.77	
177		1-1/2" Dia. Gas Pipe	202	LF	\$12.38	\$15.31	\$2,499.75	\$3,092.12	\$5,591.87	
178		3/4" Dia. Gas Pipe	44	LF	\$5.99	\$11.02	\$263.34	\$484.77	\$748.11	
179		6" to 6" - 90 Degree Elbow	56	EA	\$360.05	\$107.25	\$20,162.52	\$6,006.00	\$26,168.52	
180		6" to 5" - 90 Degree Elbow	125	EA	\$293.40	\$93.60	\$36,675.00	\$11,700.00	\$48,375.00	
181		5" to 3" - 90 Degree Elbow	36	EA	\$217.95	\$82.88	\$7,846.20	\$2,983.50	\$10,829.70	
182		1-1/4" to 3" - 90 Degree Elbow	124	EA	\$52.80	\$25.84	\$6,547.20	\$3,203.85	\$9,751.05	
183		1-1/4" to 1-1/2" - 45 Degree Elbow	59	EA	\$33.75	\$20.48	\$1,991.25	\$1,208.03	\$3,199.28	
184		1-1/4" to 1-1/2" - 90 Degree Elbow	262	EA	\$33.75	\$20.48	\$8,842.50	\$5,364.45	\$14,206.95	
185		6" to 5" - 45 Degree Elbow	76	EA	\$293.40	\$93.60	\$22,298.40	\$7,113.60	\$29,412.00	
186		2" to 2" - 90 Degree Elbow	207	EA	\$63.90	\$35.59	\$13,227.30	\$7,366.61	\$20,593.91	
187		2" to 2-1/2" - 90 Degree Elbow	193	EA	\$78.15	\$39.98	\$15,082.95	\$7,715.18	\$22,798.13	
188		4" to 2" - 90 Degree Elbow	189	EA	\$147.00	\$72.15	\$27,783.00	\$13,636.35	\$41,419.35	
189		1-1/2" to 1-1/2" to 1-1/2" - 90 Degree Tee	189	EA	\$44.40	\$24.38	\$8,391.60	\$4,606.88	\$12,998.48	
		Domestic Piping & Fittings								
190		1/2" Dia. FW Pipe	197	LF	\$6.71	\$9.65	\$1,320.89	\$1,901.54	\$3,222.43	
191		3/4" Dia. HWR Pipe	369	LF	\$9.80	\$10.24	\$3,614.36	\$3,777.64	\$7,391.99	
192		3/4" Dia. CW Pipe	988	LF	\$9.80	\$10.24	\$9,677.46	\$10,114.65	\$19,792.11	
193		1" Dia. CW Pipe	206	LF	\$12.68	\$11.51	\$2,611.05	\$2,370.03	\$4,981.08	
194		2" Dia. CW Pipe	40	LF	\$34.16	\$18.53	\$1,366.20	\$741.00	\$2,107.20	
195		2"-1/2 Dia. CW Pipe	221	LF	\$53.13	\$25.16	\$11,741.73	\$5,559.26	\$17,300.99	
196		3" Dia. CW Pipe	45	LF	\$72.11	\$27.89	\$3,244.73	\$1,254.83	\$4,499.55	
197		1/2" Dia. CW Pipe	98	LF	\$6.71	\$9.65	\$657.09	\$945.95	\$1,603.04	
198		2" Dia. HW Pipe	76	LF	\$34.16	\$18.53	\$2,595.78	\$1,407.90	\$4,003.68	
199		1-1/2" Dia. HW Pipe	131	LF	\$22.40	\$15.02	\$2,933.75	\$1,966.97	\$4,900.71	
200		1-1/4" Dia. HW Pipe	19	LF	\$17.39	\$13.46	\$330.32	\$255.65	\$585.96	
201		1/2" Dia. HW Pipe	53	LF	\$6.71	\$9.65	\$355.37	\$511.58	\$866.95	
202		3/4" Dia. HW Pipe	318	LF	\$9.80	\$10.24	\$3,116.24	\$3,255.53	\$6,371.77	
203		1" Dia. HW Pipe	63	LF	\$12.81	\$11.51	\$807.03	\$724.82	\$1,531.85	
204		Preformed Fiber-glass OR Engineered Polymer Foam Insulation	758	SF	\$4.8	\$5.1	\$3,638.40	\$3,827.90	\$7,466.30	
205		3/4" to 3/4" to 3/4" - 90 Degree Tee	81	EA	\$37.50	\$64.35	\$3,037.50	\$5,212.35	\$8,249.85	
206		1/2" to 1/2" to 1/2" - 90 Degree Tee	150	EA	\$22.80	\$58.50	\$3,420.00	\$8,775.00	\$12,195.00	
207		1" to 1" to 1" - 90 Degree Tee	61	EA	\$33.45	\$20.48	\$2,040.45	\$1,248.98	\$3,289.43	
208		3/4" to 3/4" - 90 Degree Elbow	149	EA	\$15.30	\$32.18	\$2,279.70	\$4,794.08	\$7,073.78	
209		1" to 1" - 90 Degree Elbow	84	EA	\$33.45	\$20.48	\$2,809.80	\$1,719.90	\$4,529.70	
210		1/2" to 1/2" - 90 Degree Elbow	287	EA	\$22.80	\$58.50	\$6,543.60	\$16,789.50	\$23,333.10	
211		2" to 2" - 90 Degree Elbow	101	EA	\$71.25	\$40.95	\$7,196.25	\$4,135.95	\$11,332.20	
212		2" to 2" - 45 Degree Elbow	232	EA	\$71.25	\$40.95	\$16,530.00	\$9,500.40	\$26,030.40	
213		3" to 3" - 45 Degree Elbow	218	EA	\$87.30	\$49.73	\$19,031.40	\$10,840.05	\$29,871.45	
214		3" to 2" - 45 Degree Elbow	214	EA	\$79.65	\$45.83	\$17,045.10	\$9,806.55	\$26,851.65	
215		3" to 2" - 90 Degree Elbow	25	EA	\$79.65	\$45.83	\$1,991.25	\$1,145.63	\$3,136.88	
216		3" to 3" - 90 Degree Elbow	222	EA	\$87.30	\$49.73	\$19,380.60	\$11,038.95	\$30,419.55	
217		1-1/2" to 1-1/2" to 1-1/2" - 90 Degree Tee	162	EA	\$22.80	\$58.50	\$3,693.60	\$9,477.00	\$13,170.60	
218		1-1/4" to 1-1/2" to 1-1/2" - 90 Degree Tee	25	EA	\$9.98	\$27.79	\$249.38	\$694.69	\$944.06	
219		2" to 1/2" - 90 Degree Elbow	55	EA	\$32.25	\$27.87	\$1,773.75	\$1,532.60	\$3,306.35	
220		2" to 3/4" - 90 Degree Elbow	97	EA	\$44.16	\$26.33	\$4,283.52	\$2,553.53	\$6,837.05	
		Roof								
221		8" Roof Drain	1	EA	\$604.73	\$288.60	\$604.73	\$288.60	\$893.33	
222		8" Overflow Drain	1	EA	\$795.00	\$313.95	\$795.00	\$313.95	\$1,108.95	
223		8" Roof Drain/Overflow Leader	136	LF	\$59.78	\$49.97	\$8,129.40	\$6,795.75	\$14,925.15	
		Plumbing Equipment								
		Ba - Bakery								
224		3-Compartment Sink	3	EA	\$754.95	\$414.38	\$2,264.85	\$1,243.13	\$3,507.98	
225		Prep Sink	1	EA	\$505.49	\$316.88	\$505.49	\$316.88	\$822.36	
226		Sterilox Dispenser	1	EA	\$975.00	\$206.70	\$975.00	\$206.70	\$1,181.70	
227		Sanitizing Station W/ Hose Rack	1	EA	\$578.99	\$191.10	\$578.99	\$191.10	\$770.09	
228		Proofer	1	EA	\$299.93	\$178.43	\$299.93	\$178.43	\$478.35	
229		Hand Sink	1	EA	\$340.71	\$277.88	\$340.71	\$277.88	\$618.59	
230		Oven	2	EA	\$747.09	\$327.60	\$1,494.18	\$655.20	\$2,149.38	
231		Pan Washer	1	EA	\$27,295.13	\$3,900.00	\$27,295.13	\$3,900.00	\$31,195.13	
		Cs - Customer Service								
232		Glacier Water Vending Machine	1	EA	\$4,297.50	\$843.38	\$4,297.50	\$843.38	\$5,140.88	
		Da-Deli								
233		Hand Sink	4	EA	\$340.71	\$277.88	\$1,362.84	\$1,111.50	\$2,474.34	
234		3-Compartment Sink	1	EA	\$754.95	\$414.38	\$754.95	\$414.38	\$1,169.33	
235		Prep Sink	2	EA	\$505.49	\$316.88	\$1,010.97	\$633.75	\$1,644.72	
236		Prep Sink	1	EA	\$505.49	\$316.88	\$505.49	\$316.88	\$822.36	
237		Chicken Prep Sink	1	EA	\$505.49	\$316.88	\$505.49	\$316.88	\$822.36	
238		High Volume Pressure Fryer	1	EA	\$23,165.10	\$2,164.50	\$23,165.10	\$2,164.50	\$25,329.60	
239		Mobile Double Stacked Combo Oven	3	EA	\$6,599.99	\$1,189.50	\$19,799.97	\$3,568.50	\$23,368.46	
240		Blast Chiller	2	EA	\$2,248.50	\$379.28	\$4,497.00	\$758.55	\$5,255.55	
241		Conveyor Dishwasher	2	EA	\$42,500.00	\$5,362.50	\$85,000.00	\$10,725.00	\$95,725.00	
242		Dish Washer Conveyor Table W/ Sink	1	EA	\$2,638.50	\$550.88	\$2,638.50	\$550.88	\$3,189.38	
243		Rethermalizer	1	EA	\$6,732.00	\$473.85	\$6,732.00	\$473.85	\$7,205.85	
		Er-Employee Room								
244		Counter W/ Sink	1	EA	\$804.00	\$378.30	\$804.00	\$378.30	\$1,182.30	
		Fa-Floral								
245		Prep Sink	1	EA	\$505.49	\$316.88	\$505.49	\$316.88	\$822.36	
		Ja-Janitors' Room								
246		Eye Wash	1	EA	\$430.49	\$234.98	\$430.49	\$234.98	\$665.46	
247		Sanitation W/ Hose Rack	1	EA	\$578.99	\$316.88	\$578.99	\$316.88	\$895.86	

Sr#	Dwg. #	Description	Qty.	Unit	Unit Material Price	Unit Labor Price	Material Cost	Labor Cost	Total Cost	Total Trade Cost
		Ma-Meat								
248		Hand Sink	1	EA	\$883.50	\$216.45	\$883.50	\$216.45	\$1,099.95	
249		3-Compartment Sink	2	EA	\$754.95	\$414.38	\$1,509.90	\$828.75	\$2,338.65	
250		Sanitizing Station W/	1	EA	\$578.99	\$316.88	\$578.99	\$316.88	\$895.86	
		Pa- Produce								
251		Reverse Osmosis	1	EA	\$472.49	\$248.63	\$472.49	\$248.63	\$721.11	
252		Produce Sink	1	EA	\$428.40	\$307.13	\$428.40	\$307.13	\$735.53	
253		Hand Sink	2	EA	\$340.71	\$277.88	\$681.42	\$555.75	\$1,237.17	
254		Sanitizing Station W/ Hose Rack	1	EA	\$578.99	\$316.88	\$578.99	\$316.88	\$895.86	
255		3-Compartment Produce Sink	1	EA	\$754.95	\$414.38	\$754.95	\$414.38	\$1,169.33	
256		Prep Sink	2	EA	\$505.49	\$316.88	\$1,010.97	\$633.75	\$1,644.72	
		Rx-Pharmacy								
257		Counter W/ Drawers, Cabinets, And Sink	1	EA	\$4,366.43	\$638.63	\$4,366.43	\$638.63	\$5,005.05	
		Sa-Seafood								
258		Prep Sink	1	EA	\$505.49	\$316.88	\$505.49	\$316.88	\$822.36	
259		Prodigy Flake Ice Machine - Remote	1	EA	\$11,047.50	\$401.70	\$11,047.50	\$401.70	\$11,449.20	
260		Single Bay - Ice Cart & Storage System	1	EA	\$12,134.54	\$1,521.00	\$12,134.54	\$1,521.00	\$13,655.54	
		Sb-Starbucks								
261		Starbucks Kiosk	1	EA	\$87,750.00	\$14,625.00	\$87,750.00	\$14,625.00	\$102,375.00	
		Sr-Stockroom								
262		Eye Wash	1	EA	\$430.49	\$234.98	\$430.49	\$234.98	\$665.46	
		Plumbing Fixtures								
263		TD-1: Trench Drain (Interior) - JR Smith, 9877 - 2 FOOT LONG. POLYMER CONCRETE, INTEGRAL SLOPE, HEAVY DUTY RESIN, COMPOSITE GRATE WITH 5/16" SLOTS (#9870-492-RC),, PROVIDE PLASTIC DOME, BOTTOM STRAINER (#9854)	9	EA	\$225.00	\$113.10	\$2,025.00	\$1,017.90	\$3,042.90	
264		TD-2: Trench Drain (Interior) - JR Smith, 9877 - 5 FOOT LONG. POLYMER CONCRETE, INTEGRAL SLOPE, HEAVY DUTY RESIN, COMPOSITE GRATE WITH 5/16" SLOTS (#9870-492-RC),, PROVIDE PLASTIC DOME, BOTTOM STRAINER (#9854).	4	EA	\$562.50	\$282.75	\$2,250.00	\$1,131.00	\$3,381.00	
265		TD-3: Trench Drain (Interior) - JR Smith, 9877 - 9 FOOT LONG. POLYMER CONCRETE, INTEGRAL SLOPE, HEAVY DUTY RESIN, COMPOSITE GRATE WITH 5/16" SLOTS (#9870-492-RC),, PROVIDE PLASTIC DOME, BOTTOM STRAINER (#9854).	4	EA	\$1,012.50	\$508.95	\$4,050.00	\$2,035.80	\$6,085.80	
266		TD-5: Trench Drain (Interior) - JR Smith, 9877 - 3 FOOT LONG. POLYMER CONCRETE, INTEGRAL SLOPE, HEAVY DUTY RESIN, COMPOSITE GRATE WITH 5/16" SLOTS (#9870-492-RC),, PROVIDE PLASTIC DOME, BOTTOM STRAINER (#9854). SEE PLANS FOR SIZE.	12	EA	\$337.50	\$169.65	\$4,050.00	\$2,035.80	\$6,085.80	
267		2" Gas Meter	1	EA	\$906.60	\$309.56	\$906.60	\$309.56	\$1,216.16	
268		BFP1/5: Reduce pressure Principle Assembly With Backflow Preventer - Zurn, 475V - MEETING ASSE 1013, FULL PORT GATE VALVES, EPOXY COATED DUCTILE IRON, BODY AND ACCESS COVERS, PROVIDE WITH AIR GAP ADAPTOR FITTING AND DRAIN LINE TO APPROVED LOCATION.	5	EA	\$10,393.25	\$833.63	\$51,966.23	\$4,168.13	\$56,134.35	
269		C.O: Cleanout	1	EA	\$473.40	\$210.60	\$473.40	\$210.60	\$684.00	
270		DFBF: Hand Free, Bi-level Drinking Fountain With Bottle Fill - Elkay, EZOOTH8WSLC/EZH20 - BOTTLE FILLING STATION WITH BI-LEVEL ADA COOLER DUAL HAND FREE ACTIVATION, NON-FILTERED 8GPH. FURNISHED WITH SAFETY BUBBLERS. UNIT CERTIFIED TO UL 399 AND NSF/ANSI 61 & 372.	1	EA	\$2,544.92	\$667.88	\$2,544.92	\$667.88	\$3,212.79	
271		FD-1: Floor Drain - Floor Drain With Integral Trap Guard, T25630-FP 5" DIAMETER NICKEL BRONZE TOP STRAINER WITH INTEGRAL TRAP GUARD. INCLUDES PROTECTIVE PLASTIC STRAINER COVER & ELASTOMERIC PLUG TO PROTECT DURING CONSTRUCTION	7	EA	\$51.15	\$152.10	\$358.05	\$1,064.70	\$1,422.75	
272		FD-2: Floor Drain - Zurn, ZN415B 5" DIAMETER NICKEL BRONZE TOP STRAINER WITH DUCO COATED INTERIOR, CAST IRON BODY WITH ADJUSTABLE STRAINER HEAD	1	EA	\$339.74	\$277.88	\$339.74	\$277.88	\$617.61	
273		FD-3/4: Floor Drain - JR Smith, 2110 8" DIAMETER CAST IRON TOP STRAINER, CAST IRON BODY WITH ADJUSTABLE STRAINER HEAD.	2	EA	\$225.60	\$227.18	\$451.20	\$454.35	\$905.55	
274		FCO: Floor Cleanout - Zurn, SN1400 NO HUB, CAST IRON BODY, ABS PLUG AND ADJUSTABLE, SECURED, NICKEL BRONZE TOP. SCORIATED TOP FOR EXPOSED, FLUSH WITH FINISHED FLOOR.	18	EA	\$1,208.55	\$345.15	\$21,753.90	\$6,212.70	\$27,966.60	

Sr#	Dwg. #	Description	Qty.	Unit	Unit Material Price	Unit Labor Price	Material Cost	Labor Cost	Total Cost	Total Trade Cost
275		FS-1: Floor Sink - Zurn, ZN1902 12"x12"x10" LARGE CAPACITY RECEPTOR CAST IRON BODY W/ ENAMEL COATED INTERIOR & ALUMINUM DOME BUCKET. PROVIDE W/ NICKEL BRONZE RIM, ANCHOR FLANGE & CLAMPING COLLAR. 1/2 GRATE.	20	EA	\$1,249.49	\$367.58	\$24,989.70	\$7,351.50	\$32,341.20	
276		FS-2: Floor Sink - Zurn, ZN1900 12"x12"x6" DEEP CAST IRON BODY WITH ACID RESISTANT ENAMEL COATED INTERIOR & ALUMINUM DOME BUCKET. PROVIDE WITH NICKEL BRONZE RIM, ANCHOR FLANGE & CLAMPING COLLAR. 1/2 GRATE	1	EA	\$986.99	\$312.98	\$986.99	\$312.98	\$1,299.96	
277		FS-3: Floor Sink - Sioux Chief, 860-3PZ ROUND) HEAVY DUTY PVC BODY, WITH STAINLESS STEEL RING/STRAINER	70	EA	\$107.03	\$180.38	\$7,491.75	\$12,626.25	\$20,118.00	
278		HB-1: Hose Bibb - Woodford, B67/RHY2-MS/24P-3/4/122 - NON-FREEZE WALL HYDRANT W/ CHROME FINISH AND DOUBLE CHECK BACKFLOW PREVENTER AND CHROME BOX W/ LOCK. INSTALL AT 18" AFF.	5	EA	\$1,245.69	\$308.10	\$6,228.45	\$1,540.50	\$7,768.95	
279		LAV-1: Lavatory W/ Trap Guard - Zurn, Z5344 WALL-MOUNTED, VIT. CHINA, FAUCET: ZURN Z6915-XL, 4" CENTERS W/ BATTERY-OPERATED SENSOR VALVE, VANDAL PROOF STRAINER, MIXING VALVE (TMV-1), 0.5 GPM FLOW AERATOR.	1	EA	\$255.02	\$217.43	\$255.02	\$217.43	\$472.44	
280		LAV-1: Lavatory - Zurn, Z5344 WALL-MOUNTED, VIT. CHINA, FAUCET: ZURN Z6915-XL, 4" CENTERS W/ BATTERY-OPERATED SENSOR VALVE, VANDAL PROOF STRAINER, MIXING VALVE (TMV-1), 0.5 GPM FLOW AERATOR.	7	EA	\$190.59	\$206.70	\$1,334.13	\$1,446.90	\$2,781.03	
281		Main Shut-off Valve	49	EA	\$47.70	\$152.10	\$2,337.30	\$7,452.90	\$9,790.20	
282		MS-1: Mop Sink - Zurn, Z5344 MOP SERVICE BASIN. 36"x24"x10" MOLDED HIGH DENSITY COMPOSITE BASIN. INCLUDES SERVICE FAUCET W/ VACUUM BREAKER, WALL BRACE AND 3/4" GHT SPOUT.	2	EA	\$555.30	\$322.73	\$1,110.60	\$645.45	\$1,756.05	
283		SCO: Surface Cleanout - MIFAB C1300-MF-4-6 Heavy Duty Access Housing With Anchor Flanges, Ductile Iron Top & Security Screws With MIFAB C1230-4 In line Cleanout With Neoprene Primary Gasket Seal With Cast Iron Body & Ductile Iron Cover/plug	3	EA	\$903.09	\$410.48	\$2,709.27	\$1,231.43	\$3,940.70	
284		2-Way SCO: Surface Cleanout - MIFAB C1300-MF-4-6 Heavy Duty Access Housing With Anchor Flanges, Ductile Iron Top & Security Screws With MIFAB C1230-4 In line Cleanout With Neoprene Primary Gasket Seal With Cast Iron Body & Ductile Iron Cover/plug	4	EA	\$971.28	\$327.60	\$3,885.12	\$1,310.40	\$5,195.52	
285		TG-1: Trap Guard - Prevent, Trap Guard TRAP SEAL DEVICE FOR FLOOR/TRENCH DRAINS. MATCH DRAIN SIZE. CONFORM TO ASSE 1072.	31	EA	\$94.50	\$117.00	\$2,929.50	\$3,627.00	\$6,556.50	
286		UR-1: Urinal (Accessible) - Zurn, Z5755-U WALL HUNG, VITREOUS CHINA, 3/4" TOP SPUD. WASHOUT, 14" EXTENDED RIM. ZER6003AV-WSI, HIGH EFFICIENCY SENSOR OPERATED, BATTERY POWERED, 0.5 GPF. PROVIDE Z1221 WALL CARRIER, MOUNTED AT HEIGHT PER ARCH. DWGS	2	EA	\$366.05	\$247.65	\$732.09	\$495.30	\$1,227.39	
287		WCO: Wall Cleanout - Zurn, Z1446	42	EA	\$191.99	\$132.60	\$8,063.37	\$5,569.20	\$13,632.57	
288		WC-1: Water Closet (Floor Mounted) - Zurn, Z5655-BWL FLOOR MOUNTED VITREOUS CHINA WATER CLOSET, 1.6 GPF, ELONGATED BOWL, BATTERY OPERATED SENSOR FLUSH VALVE (ZURN: ZER600AV-WS1- CPM), OPEN FRONT SEAT LESS COVERED (CHURCH MODEL #9500C).	8	EA	\$272.48	\$307.13	\$2,179.80	\$2,457.00	\$4,636.80	

Sr#	Dwg. #	Description	Qty.	Unit	Unit Material Price	Unit Labor Price	Material Cost	Labor Cost	Total Cost	Total Trade Cost
289		WH-A: Water Hammer Arrestor - JR Smith, 5005-5050 STAINLESS STEEL PRECHARGED HYDROTROL WATER HAMMER ARRESTOR. SIZE ARRESTOR FOR THE FIXTURES SERVED & INSTALL PER MFR INSTRUCTIONS	6	EA	\$2,018.79	\$248.63	\$12,112.74	\$1,491.75	\$13,604.49	
290		Natural Gas Solenoid Valve	2	EA	\$612.74	\$183.30	\$1,225.47	\$366.60	\$1,592.07	
291		Generator	1	EA	\$22,875.00	\$6,337.50	\$22,875.00	\$6,337.50	\$29,212.50	
292		TMV: Thermostatic Mixing Valve - Zurn, ZW3870XL	4	EA	\$182.27	\$182.33	\$729.06	\$729.30	\$1,458.36	
		Expansion Tank								
293		ET1: Expansion Tank Amtrol, ST-25V	1	EA	\$404.93	\$120.61	\$404.93	\$120.61	\$525.53	
294		ET2: Expansion Tank Amtrol, ST-5	1	EA	\$89.28	\$107.25	\$89.28	\$107.25	\$196.53	
295		ET3: Expansion Tank Amtrol, ST-5	1	EA	\$89.28	\$107.25	\$89.28	\$107.25	\$196.53	
		Pump								
296		P1/2: Pump - Bell & Gossett NBF-12U	2	EA	\$611.28	\$355.88	\$1,222.56	\$711.75	\$1,934.31	
297		Strainer	2	EA	\$54.60	\$54.60	\$109.20	\$109.20	\$218.40	
298		Adjustable, Surface Mounted Aqua stat - Honey-well L6006C	2	EA	\$188.93	\$169.65	\$377.85	\$339.30	\$717.15	
		Instantaneous Water Heater								
299		IWH1/2: - EEMax, SP4208	2	EA	\$308.76	\$234.98	\$617.52	\$469.95	\$1,087.47	
300		IWH1/2: - EEMax, EX8208	1	EA	\$426.38	\$259.35	\$426.38	\$259.35	\$685.73	
		Water Heater								
301		WH-1/2: Water Heater - AO Smith, BTH-199	2	EA	\$14,977.50	\$843.38	\$29,955.00	\$1,686.75	\$31,641.75	
302		WH-3: Water Heater - Bradford White, LE120L3-3	2	EA	\$1,492.50	\$438.75	\$2,985.00	\$877.50	\$3,862.50	
		RISERS (Approx.)								
		Plumbing Equipment								
303		1-1/4" Dia. CW Pipe	8	LF	\$12.53	\$19.50	\$100.20	\$156.00	\$256.20	
304		3/4" Dia. CW Pipe	273	LF	\$9.80	\$10.24	\$2,674.04	\$2,794.84	\$5,468.87	
305		3/4" Dia. HW Pipe	238	LF	\$9.80	\$10.24	\$2,331.21	\$2,436.53	\$4,767.74	
306		1-1/4" Dia. HW Pipe	8	LF	\$12.53	\$19.50	\$100.20	\$156.00	\$256.20	
		Preformed Fiber-glass OR Engineered Polymer Foam Insulation								
307		2" Dia. Waste Pipe	39	LF	\$16.85	\$26.42	\$648.53	\$1,017.27	\$1,665.80	
308		2" Dia. Vent Pipe	88	LF	\$16.85	\$26.42	\$1,482.36	\$2,325.18	\$3,807.54	
309		1-1/4" Dia. Gas Pipe	40	LF	\$12.53	\$19.50	\$501.00	\$780.00	\$1,281.00	
310		Indirect Waste Pipe	112	LF	\$16.85	\$26.42	\$1,886.64	\$2,959.32	\$4,845.96	
		Domestic (Hot & Cold)								
311		3/4" Dia. CW Pipe	42	LF	\$9.80	\$10.24	\$411.39	\$429.98	\$841.37	
312		1-1/2" Dia. CW Pipe	14	LF	\$22.40	\$15.02	\$313.53	\$210.21	\$523.74	
313		3/4" Dia. CW Pipe	70	LF	\$9.80	\$10.24	\$685.65	\$716.63	\$1,402.28	
314		1/2" Dia. CW Pipe	1099	LF	\$6.71	\$9.65	\$7,368.80	\$10,608.10	\$17,976.89	
315		1/2" Dia. HW Pipe	1043	LF	\$4.47	\$6.44	\$4,662.21	\$6,711.71	\$11,373.92	
316		3/4" Dia. HW Pipe	42	LF	\$6.53	\$6.83	\$274.26	\$286.65	\$560.91	
		Preformed Fiber-glass OR Engineered Polymer Foam Insulation								
317		317	SF	\$4.8	\$5.1	\$1,521.60	\$1,600.85	\$3,122.45		
		Waste (San & Vent)								
318		2" Dia. San Pipe	805	LF	\$7.49	\$17.62	\$6,026.77	\$14,180.08	\$20,206.84	
319		3" Dia. San Pipe	35	LF	\$13.83	\$19.63	\$484.17	\$687.05	\$1,171.22	
320		4" Dia. San Pipe	28	LF	\$16.52	\$21.65	\$462.56	\$606.06	\$1,068.62	
321		2" Dia. Vent Pipe	1610	LF	\$7.49	\$17.62	\$12,053.53	\$28,360.15	\$40,413.68	
322		3" Dia. Vent Pipe	336	LF	\$13.83	\$19.63	\$4,648.00	\$6,595.68	\$11,243.68	
		Subtotal (Plumbing)								\$2,263,221
DIVISION 28- ELECTRONIC SAFETY & SECURITY										
		Shop "A"								
323		H: Addressable Ceiling Mounted Horn/Strobe	1	EA	\$67.43	\$62.56	\$67.43	\$62.56	\$129.99	
324		WP: Addressable Weather-proof Horn/Strobe	1	EA	\$150.00	\$81.60	\$150.00	\$81.60	\$231.60	
325		S: Addressable Detector With Base	1	EA	\$70.50	\$65.28	\$70.50	\$65.28	\$135.78	
326		T: Tamper Valve	1	EA	\$220.60	\$112.20	\$220.60	\$112.20	\$332.80	
327		W: Water Flow Switch	1	EA	\$138.60	\$102.68	\$138.60	\$102.68	\$241.28	
328		F: Addressable Pull Station	1	EA	\$87.20	\$89.76	\$87.20	\$89.76	\$176.96	
329		Wiring & Conduits for Fire Alarm System	8480	SF	\$1.00	\$1.38	\$8,480.00	\$11,702.40	\$20,182.40	
		Shop "B"								
330		H: Addressable Ceiling Mounted Horn/Strobe	1	EA	\$67.43	\$62.56	\$67.43	\$62.56	\$129.99	
331		WP: Addressable Weather-proof Horn/Strobe	1	EA	\$150.00	\$81.60	\$150.00	\$81.60	\$231.60	
332		S: Addressable Detector With Base	1	EA	\$70.50	\$65.28	\$70.50	\$65.28	\$135.78	
333		T: Tamper Valve	1	EA	\$220.60	\$112.20	\$220.60	\$112.20	\$332.80	
334		W: Water Flow Switch	1	EA	\$138.60	\$102.68	\$138.60	\$102.68	\$241.28	
335		DZ: Dual Zone Control Module	1	EA	\$73.00	\$85.88	\$73.00	\$85.88	\$158.88	
336		Wiring & Conduits for Fire Alarm System	8855	SF	\$1.00	\$1.38	\$8,855.00	\$12,219.90	\$21,074.90	
		Shop "C"								
337		H: Addressable Ceiling Mounted Horn/Strobe	1	EA	\$67.43	\$62.56	\$67.43	\$62.56	\$129.99	
338		WP: Addressable Weather-proof Horn/Strobe	1	EA	\$150.00	\$81.60	\$150.00	\$81.60	\$231.60	
339		S: Addressable Detector With Base	1	EA	\$70.50	\$65.28	\$70.50	\$65.28	\$135.78	
340		T: Tamper Valve	1	EA	\$175.00	\$102.68	\$175.00	\$102.68	\$277.68	
341		W: Water Flow Switch	1	EA	\$138.60	\$102.68	\$138.60	\$102.68	\$241.28	
342		F: Addressable Pull Station	1	EA	\$87.20	\$89.76	\$87.20	\$89.76	\$176.96	

Sr#	Dwg. #	Description	Qty.	Unit	Unit Material Price	Unit Labor Price	Material Cost	Labor Cost	Total Cost	Total Trade Cost
343		DZ: Dual Zone Control Module	1	EA	\$73.00	\$85.88	\$73.00	\$85.88	\$158.88	
344		Wiring & Conduits for Fire Alarm System	5855	SF	\$1.00	\$1.38	\$5,855.00	\$8,079.90	\$13,934.90	
		Main Building								
345		Horn/Strobe: Ceiling mounted	35	EA	\$67.43	\$62.56	\$2,360.05	\$2,189.60	\$4,549.65	
346		ANN: Annunciator Panel	1	EA	\$332.20	\$103.97	\$332.20	\$103.97	\$436.17	
347		C: Addressable Control Relay - Single Gang J-Box	15	EA	\$14.50	\$24.89	\$217.50	\$373.32	\$590.82	
348		SD: Duct Smoke Detector	15	EA	\$32.10	\$58.48	\$481.50	\$877.20	\$1,358.70	
349		Strobe: Wall/Ceiling Mounted	26	EA	\$67.43	\$62.56	\$1,753.18	\$1,626.56	\$3,379.74	
350		Horn Strobe: Wall Mounted, Weather-proof	8	EA	\$150.00	\$81.60	\$1,200.00	\$652.80	\$1,852.80	
351		FACP: Fire Alarm Control Panel	1	EA	\$697.00	\$234.80	\$697.00	\$234.80	\$931.80	
352		FAPS: Notification Circuit Power Supply	1	EA	\$1,055.00	\$510.00	\$1,055.00	\$510.00	\$1,565.00	
353		S: 2-Wire Smoke Detector With Built-In Popit	1	EA	\$102.14	\$76.16	\$102.14	\$76.16	\$178.30	
354		F: Vane Type flow Switch	2	EA	\$159.62	\$108.12	\$319.24	\$216.24	\$535.48	
355		T: Control Valve Tamper Switch/OS&Y Valve Tamper Switch	4	EA	\$220.00	\$112.20	\$880.00	\$448.80	\$1,328.80	
356		Exterior Water-flow Alarm	1	EA	\$203.50	\$110.84	\$203.50	\$110.84	\$314.34	
357		Manual Fire Alarm Pull Station	1	EA	\$87.20	\$89.76	\$87.20	\$89.76	\$176.96	
358		Key Box - Flush OR Semi-flush Wall Mounted	1	EA	\$104.95	\$91.80	\$104.95	\$91.80	\$196.75	
359		Wiring & Conduits for Fire Alarm System	62407	SF	\$1.00	\$1.38	\$62,407.00	\$86,121.66	\$148,528.66	
		Subtotal (Electronic Safety & Security)								\$224,947

SUMMARY							Material Cost	Labor Cost	Sub-Total
							\$1,929,436	\$1,510,020	\$3,439,457

Qualifications:

TOTAL PROJECT COST		
Material tax	9.20%	\$177,508
Contingency %	5.00%	\$171,973
Overhead & Profit	20.00%	\$687,891
\$4,476,829		