

Sr#	Dwg. #	Description	Qty.	Unit	Unit Material Price	Unit Labor Price	Material Cost	Labor Cost	Total Cost	Total Trade Cost
GENERAL REQUIREMENTS										
1		Supervision & Project Management	1	LS		\$40,123.00	\$0.00	\$40,123.00	\$40,123	
2		Permits	1	LS			\$0.00	\$0.00	\$0	
3		Final Clean-up	1	LS		\$9,411.71	\$0.00	\$9,411.71	\$9,412	
4		Mobilization Costs	1	LS		\$7,631.00	\$0.00	\$7,631.00	\$7,631	
5		Project Overheads	1	LS			\$0.00	\$0.00	\$0	
6		Bonds	1	LS		\$8,323.56	\$0.00	\$8,323.56	\$8,324	
7		Temporary Control & Facilities	1	LS			\$0.00	\$0.00	\$0	
Subtotal (General Requirements)										\$65,489
DIVISION 22- PLUMBING										
Basement Plan										
Piping										
8		4" Strom Drain Pipe (Cast Iron)	290	LF	\$18.66	\$29.68	\$5,410.88	\$8,607.78	\$14,019	
9		Factory Manufactured Strom Pipe (Cast Iron)	153	LF	\$10.47	\$25.91	\$1,601.74	\$3,963.92	\$5,566	
10		Incoming Gas Line (Black Steel Assumed)	14	LF	\$27.33	\$25.50	\$382.57	\$357.00	\$740	
11		1-1/2" Fountain Fill Pipe (Tpye K Copper)	8	LF	\$15.20	\$15.71	\$121.62	\$125.66	\$247	
12		2" Vent Connect To Adjacent Vent (Tpye L Copper)	25	LF	\$31.99	\$19.38	\$799.69	\$484.50	\$1,284	
13		3/4" Hot Water Return (Tpye L Copper)	22	LF	\$8.54	\$10.71	\$187.83	\$235.62	\$423	
14		3" Sanitary Pipe (Tpye K Insulated Copper)	30	LF	\$53.32	\$29.17	\$1,599.52	\$875.16	\$2,475	
15		3" Discharge Into Grease Line Suspended From First Floor	7	LF	\$53.32	\$29.17	\$373.22	\$204.20	\$577	
Plumbing Fixture										
16		Gas Water Heater "GWH" 39900 BTUH -Mfr: Bell & Gosset -Model: Not Mentioned	1	EA	\$5,180.57	\$675.70	\$5,180.57	\$675.70	\$5,856	
17		Strom Drain Sump	1	EA	\$394.29	\$289.09	\$394.29	\$289.09	\$683	
18		4" Strom FM Up To Gravity Lines	1	EA	\$240.00	\$202.01	\$240.00	\$202.01	\$442	
19		Mini Sump	1	EA	\$747.43	\$374.42	\$747.43	\$374.42	\$1,122	
20		3" Floor Drain" FD"	1	EA	\$201.14	\$134.10	\$201.14	\$134.10	\$335	
21		Water Hammer Arrestor	1	EA	\$101.49	\$75.76	\$101.49	\$75.76	\$177	
22		Gate Valve	3	EA	\$117.71	\$114.94	\$353.14	\$344.82	\$698	
First Floor										
Sanitary Piping (Tpye K Insulated Copper)										
23		Grease Waste Pipe	115	LF	\$26.66	\$20.40	\$3,065.75	\$2,346.00	\$5,412	
24		4" Strom Water Pipe	67	LF	\$40.77	\$49.37	\$2,731.73	\$3,307.66	\$6,039	
25		6" Strom Water Pipe	240	LF	\$61.16	\$74.05	\$14,677.98	\$17,772.48	\$32,450	
26		8" Strom Water Pipe	54	LF	\$81.54	\$98.74	\$4,403.39	\$5,331.74	\$9,735	
27		1" Condenser Drain Pipe	2	LF	\$10.19	\$12.34	\$20.39	\$24.68	\$45	
28		1-1/2" Condenser Drain Pipe	143	LF	\$15.29	\$18.51	\$2,186.41	\$2,647.36	\$4,834	
29		2" Condenser Drain Pipe	71	LF	\$20.39	\$24.68	\$1,447.41	\$1,752.56	\$3,200	
30		6" Sanitary Waste Pipe	69	LF	\$61.16	\$74.05	\$4,219.92	\$5,109.59	\$9,330	
31		4" Sanitary Waste Pipe	610	LF	\$40.77	\$49.37	\$24,871.02	\$30,114.48	\$54,985	
32		1-1/2" Sanitary Waste Pipe	15	LF	\$15.29	\$18.51	\$229.34	\$277.70	\$507	
33		3" Sanitary Waste Pipe	9	LF	\$30.58	\$37.03	\$275.21	\$333.23	\$608	
34		1-1/4" Sanitary Waste Pipe	36	LF	\$12.74	\$15.43	\$458.69	\$555.39	\$1,014	
35		Incoming Portable Water Pipe	10	LF	\$20.39	\$24.68	\$203.86	\$246.84	\$451	
36		2" Vent Pipe	51	LF	\$20.39	\$24.68	\$1,039.69	\$1,258.88	\$2,299	
Domestic Piping (Tpye L Insulated Copper)										
37		3/4" Cold Water Pipe	45	LF	\$8.54	\$10.71	\$384.20	\$481.95	\$866	
38		1/2" Cold Water Pipe	288	LF	\$6.56	\$10.10	\$1,890.16	\$2,908.22	\$4,798	
39		1" Cold Water Pipe	11	LF	\$8.33	\$12.04	\$91.68	\$132.40	\$224	
40		1-1/2" Cold Water Pipe	106	LF	\$15.20	\$15.71	\$1,611.46	\$1,665.05	\$3,277	
41		2" Cold Water Pipe	326	LF	\$31.99	\$19.38	\$10,427.94	\$6,317.88	\$16,746	
42		1" Hot Water Pipe	237	LF	\$8.33	\$12.04	\$1,975.27	\$2,852.53	\$4,828	
43		3/4" Hot Water Pipe	140	LF	\$8.54	\$10.71	\$1,195.29	\$1,499.40	\$2,695	
44		1/2" Hot Water Pipe	14	LF	\$6.56	\$10.10	\$91.88	\$141.37	\$233	
45		3/4" Hot Water Return Pipe	341	LF	\$8.54	\$10.71	\$2,911.38	\$3,652.11	\$6,563	
Domestic Connections										
Bend										
46		1" x 1" 90 Degree Bend	1	EA	\$27.92	\$56.95	\$27.92	\$56.95	\$85	
47		3/4" x 3/4" 90 Degree Bend	12	EA	\$18.97	\$48.24	\$227.66	\$578.87	\$807	
48		1/2" x 3/4" 90 Degree Bend	1	EA	\$17.83	\$45.45	\$17.83	\$45.45	\$63	
49		1/2" x 1/2" 90 Degree Bend	11	EA	\$13.26	\$43.54	\$145.83	\$478.91	\$625	
50		1/2" x 1/2" 45 Degree Bend	2	EA	\$19.03	\$66.18	\$38.06	\$132.35	\$170	
51		1" x 1" 90 Degree Bend	2	EA	\$37.71	\$76.28	\$75.43	\$152.56	\$228	
TEE										
52		3/4" x 3/4" x 3/4" Tee	12	EA	\$62.33	\$66.61	\$747.98	\$799.35	\$1,547	

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53		1/2" x 1/2" x 1/2" Tee	2	EA	\$46.97	\$49.41	\$93.94	\$98.83	\$193	
54		1" x 1" x 1" Tee	7	EA	\$74.97	\$66.61	\$524.80	\$466.29	\$991	
55		1" x 1" x 3/4" Tee	2	EA	\$56.57	\$47.02	\$113.14	\$94.04	\$207	
56		2" x 2" x 1-1/2" Tee	2	EA	\$88.87	\$63.91	\$177.74	\$127.83	\$306	
57		2" x 2" x 1/2" Tee	2	EA	\$80.62	\$63.83	\$161.23	\$127.65	\$289	
58		1" x 1/2" x 3/4" Tee	1	EA	\$46.97	\$49.28	\$46.97	\$49.28	\$96	
59		1/2" x 3/4" x 3/4" Tee	1	EA	\$52.57	\$46.41	\$52.57	\$46.41	\$99	
60		1-1/2" x 3/4" x 3/4" Tee	1	EA	\$69.19	\$51.17	\$69.19	\$51.17	\$120	
		Sanitary Connections								
		WHY								
61		4" x 4" x 4" YEE	23	EA	\$66.01	\$77.32	\$1,518.26	\$1,778.42	\$3,297	
62		6" x 4" x 4" YEE	1	EA	\$88.87	\$85.94	\$88.87	\$85.94	\$175	
63		6" x 6" x 6" YEE	5	EA	\$94.21	\$95.78	\$471.03	\$478.91	\$950	
64		6" x 6" x 4" YEE	4	EA	\$64.62	\$49.34	\$258.47	\$197.35	\$456	
65		8" x 6" x 6" YEE	1	EA	\$118.86	\$104.49	\$118.86	\$104.49	\$223	
		Bend								
66		4" x 4" 45 Degree Bend	11	EA	\$34.78	\$56.95	\$382.55	\$626.42	\$1,009	
67		1-1/2" x 1-1/2" 45 Degree Bend	2	EA	\$20.11	\$67.05	\$40.23	\$134.10	\$174	
68		6" x 6" 45 Degree Bend	4	EA	\$91.92	\$72.53	\$367.68	\$290.13	\$658	
		Plumbing Fixture								
69		Lavatory "LAV"	10	EA	\$623.43	\$491.97	\$6,234.29	\$4,919.73	\$11,154	
70		Water Closet "WC"	11	EA	\$874.86	\$404.90	\$9,623.43	\$4,453.88	\$14,077	
71		MOP Sink "MR"	1	EA	\$1,166.86	\$661.77	\$1,166.86	\$661.77	\$1,829	
72		Shower "SWR"	1	EA	\$722.51	\$454.53	\$722.51	\$454.53	\$1,177	
73		Floor Clean Out "FCO"	1	EA	\$240.00	\$280.38	\$240.00	\$280.38	\$520	
74		Wall Sink	1	EA	\$519.31	\$395.32	\$519.31	\$395.32	\$915	
75		Gate Valve	31	EA	\$117.71	\$114.94	\$3,649.14	\$3,563.10	\$7,212	
76		P-Trap	18	EA	\$109.14	\$95.78	\$1,964.57	\$1,724.08	\$3,689	
77		Elevator Sump Pump -Mfr: BELL & GOSSETT -Model: SW88D3	2	EA	\$7,849.20	\$762.78	\$15,698.40	\$1,525.55	\$17,224	
		Second Floor								
		Sanitary Piping (Type K Insulated Copper)								
78		1" Condenser Drain Pipe	10	LF	\$10.19	\$12.34	\$101.93	\$123.42	\$225	
79		1-1/2" Condenser Drain Pipe	11	LF	\$15.29	\$18.51	\$168.19	\$203.64	\$372	
80		1-1/2" VTR	20	LF	\$15.29	\$18.51	\$305.79	\$370.26	\$676	
81		2" VRT	52	LF	\$20.39	\$24.68	\$1,060.08	\$1,283.57	\$2,344	
82		2" Sanitary Waste Pipe	11	LF	\$20.39	\$24.68	\$224.25	\$271.52	\$496	
83		3" VRT	8	LF	\$30.58	\$37.03	\$244.63	\$296.21	\$541	
84		4" Sanitary Waste Pipe	196	LF	\$40.77	\$49.37	\$7,991.34	\$9,676.13	\$17,667	
85		1-1/2" Sanitary Waste Pipe	3	LF	\$15.29	\$18.51	\$45.87	\$55.54	\$101	
86		3" Sanitary Waste Pipe	23	LF	\$30.58	\$37.03	\$703.32	\$851.60	\$1,555	
87		1-1/4" Sanitary Waste Pipe	50	LF	\$12.74	\$15.43	\$637.07	\$771.38	\$1,408	
88		2" Vent Pipe	26	LF	\$20.39	\$24.68	\$530.04	\$641.78	\$1,172	
		Domestic Piping (Type L Insulated Copper)								
89		1-1/2" Cold Water Pipe	47	LF	\$15.20	\$15.71	\$714.51	\$738.28	\$1,453	
90		3/4" Hot Water Pipe	51	LF	\$8.54	\$10.71	\$435.43	\$546.21	\$982	
91		1/2" Hot Water Pipe	8	LF	\$6.56	\$10.10	\$52.50	\$80.78	\$133	
92		3/4" Hot Water Return Pipe	72	LF	\$8.54	\$10.71	\$614.72	\$771.12	\$1,386	
		Sanitary Connections								
		Bend								
93		2" x 2" 90 Degree Bend	2	EA	\$38.46	\$50.16	\$76.91	\$100.31	\$177	
94		2" x 2" 45 Degree Bend	5	EA	\$34.90	\$56.95	\$174.51	\$284.73	\$459	
95		4" x 4" 45 Degree Bend	5	EA	\$87.66	\$66.18	\$438.29	\$330.88	\$769	
96		1-1/4" x 1-1/4" 45 Degree Bend	2	EA	\$22.17	\$39.75	\$44.34	\$79.50	\$124	
		WYH								
97		4" x 4" x 4" YEE	6	EA	\$66.01	\$77.32	\$396.07	\$463.93	\$860	
		Domestic Connections								
		Bend								
98		3/4" x 3/4" 90 Degree Bend	5	EA	\$18.97	\$48.24	\$94.86	\$241.20	\$336	
99		1/2" x 1/2" 90 Degree Bend	1	EA	\$13.26	\$43.54	\$13.26	\$43.54	\$57	
		TEE								
100		3/4" x 3/4" x 3/4" Tee	3	EA	\$62.33	\$66.61	\$186.99	\$199.84	\$387	
		Plumbing Fixture								
101		Lavatory "LAV"	15	EA	\$623.43	\$491.97	\$9,351.43	\$7,379.59	\$16,731	
102		Urinal "UR"	1	EA	\$355.43	\$231.10	\$355.43	\$231.10	\$587	
103		Water Closet "WC"	12	EA	\$874.86	\$404.90	\$10,498.29	\$4,858.78	\$15,357	

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104		BILEVEL EWC	1	EA	\$3,236.57	\$588.63	\$3,236.57	\$588.63	\$3,825	
105		Floor Clean Out "FCO"	8	EA	\$240.00	\$280.38	\$1,920.00	\$2,243.05	\$4,163	
106		Shower "SWR"	8	EA	\$722.51	\$454.53	\$5,780.11	\$3,636.24	\$9,416	
107		4" Roof Drain "RD"	10	EA	\$251.43	\$153.25	\$2,514.29	\$1,532.52	\$4,047	
108		Roof Water Leader "RWL"	10	EA	\$217.14	\$115.03	\$2,171.43	\$1,150.26	\$3,322	
109		P-Trap	18	EA	\$109.14	\$95.78	\$1,964.57	\$1,724.08	\$3,689	
110		4" Overflow Drain with dam	5	EA	\$346.29	\$183.73	\$1,731.43	\$918.64	\$2,650	
111		Elevator Sump Pump -Mfr: BELL & GOSSETT -Model: SW88D3	2	EA	\$7,849.20	\$762.78	\$15,698.40	\$1,525.55	\$17,224	
		Overall Riser								
		Domestic Piping (Type L Insulated Copper)								
112		3/4" Cold Water Pipe	1	LF	\$8.54	\$10.71	\$8.54	\$10.71	\$19	
113		1/2" Cold Water Pipe	65	LF	\$6.56	\$10.10	\$426.60	\$656.37	\$1,083	
114		1" Cold Water Pipe	1	LF	\$8.33	\$12.04	\$8.33	\$12.04	\$20	
115		1-1/2" Cold Water Pipe	104	LF	\$15.20	\$15.71	\$1,581.05	\$1,633.63	\$3,215	
116		3" Cold Water Pipe	6	LF	\$53.32	\$29.17	\$319.90	\$175.03	\$495	
117		1" Hot Water Pipe	4	LF	\$8.33	\$12.04	\$33.34	\$48.14	\$81	
118		3/4" Hot Water Pipe	87	LF	\$8.54	\$10.71	\$742.79	\$931.77	\$1,675	
119		1/2" Hot Water Pipe	65	LF	\$6.56	\$10.10	\$426.60	\$656.37	\$1,083	
120		3/4" Hot Water Return Pipe	39	LF	\$8.54	\$10.71	\$332.97	\$417.69	\$751	
		Sanitary Piping (Type K Insulated Copper)								
121		1-1/4" Sanitary Waste Pipe	5	LF	\$12.74	\$15.43	\$63.71	\$77.14	\$141	
122		1-1/2" Sanitary Waste Pipe	2	LF	\$15.29	\$18.51	\$30.58	\$37.03	\$68	
123		3" Sanitary Waste Pipe	54	LF	\$30.58	\$37.03	\$1,651.27	\$1,999.40	\$3,651	
124		4" Sanitary Waste Pipe	240	LF	\$40.77	\$49.37	\$9,785.32	\$11,848.32	\$21,634	
125		2" Vent Pipe	367	LF	\$20.39	\$24.68	\$7,481.69	\$9,059.03	\$16,541	
		Kitchen Plumbing								
		Waste Pipe (Type K Insulated Copper)								
126		3" Grease Waste Pipe	65	LF	\$30.58	\$37.03	\$1,987.64	\$2,406.69	\$4,394	
127		4" Grease Waste Pipe	83	LF	\$40.77	\$49.37	\$3,384.09	\$4,097.54	\$7,482	
		GasPipe								
128		Gas Line (Black Steel Assumed)	79	LF	\$27.33	\$25.50	\$2,158.80	\$2,014.50	\$4,173	
		Plumbing Fixture								
129		Shut Off Wall	6	EA	\$134.40	\$114.94	\$806.40	\$689.63	\$1,496	
		Bar Plumbing								
		Waste Pipe (Type K Insulated Copper)								
130		3" Grease Waste Pipe	60	LF	\$30.58	\$37.03	\$1,834.75	\$2,221.56	\$4,056	
131		4" Grease Waste Pipe	42	LF	\$40.77	\$49.37	\$1,712.43	\$2,073.46	\$3,786	
		Traps & Interceptor								
132		Grease Trap	1	EA	\$254.40	\$123.96	\$254.40	\$123.96	\$378	
133		Grease Interceptor	1	EA	\$12,621.00	\$1,022.00	\$12,621.00	\$1,022.00	\$13,643	
		Cutting & Penetrations								
134		12" x 8" Deep Saw Cut	564	LF	\$0.00	\$14.52	\$0.00	\$8,189.28	\$8,189	
135		8" Deep Slab Remove (12" Thick)	282	SF	\$0.00	\$12.49	\$0.00	\$3,521.39	\$3,521	
136		3" Dia Penetration at floor slab	19	EA	\$0.00	\$78.95	\$0.00	\$1,500.01	\$1,500	
137		5" Dia Penetration at floor slab	5	EA	\$0.00	\$114.55	\$0.00	\$572.76	\$573	
138		4" Dia Penetration at floor slab	3	EA	\$0.00	\$90.45	\$0.00	\$271.36	\$271	
139		2" Dia Penetration at floor slab	4	EA	\$0.00	\$67.49	\$0.00	\$269.97	\$270	
		Subtotal (Plumbing)								\$495,229

SUMMARY						Material Cost	Labor Cost	Sub-Total
						\$261,819	\$298,899	\$560,718

Qualifications:	TOTAL PROJECT COST		
	Material Tax	7.00%	\$18,327
	Contingency %	5.00%	\$28,036
	Overhead & Profit	20.00%	\$112,144
\$719,225			