

PROJECT ID:



SCOPE: Plumbing

ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	UNIT COST	TOTAL COST	TRADE COST
GENERAL REQUIREMENTS									
1		Supervision	1	LS			\$0	\$0	
2		Permits	1	LS			\$0	\$0	
3		Final Clean-up	1	LS			\$0	\$0	
4		Mobilization Costs	1	LS			\$0	\$0	
5		Project Overheads	1	LS			\$0	\$0	
6		Bonds	1	LS			\$0	\$0	
7		Temporary Control & Facilities	1	LS			\$0	\$0	
Subtotal (General Requirements)									\$0
DIVISION 22- PLUMBING									
Storm									
Pipe Material Above Ground : No-Hub Cast Iron (Insulated) Pipe Material Below Ground : PVC-Solid Core									
8	P200 To P503	6" Storm Pipe	443	LF	\$12	\$4	\$16	\$7,087	
9	P200 To P503	8" Storm Pipe	169	LF	\$14	\$4	\$18	\$3,049	
10	P200 To P503	4" Storm Pipe	529	LF	\$10	\$4	\$14	\$7,401	
11	P200 To P503	3" Storm Pipe	424	LF	\$9	\$4	\$13	\$5,512	
12	P200 To P503	3" Storm Pipe (H=9'-0")	27	LF	\$9	\$4	\$13	\$351	
13	P200 To P503	6" Storm Pipe (H=9'-0")	72	LF	\$12	\$4	\$16	\$1,152	
14	P200 To P503	6" Storm Pipe (H=4'-0")	16	LF	\$12	\$4	\$16	\$256	
15	P200 To P503	Force Main	6	LF	\$8	\$4	\$12	\$78	
16	P200 To P503	2" Force Main	91	LF	\$8	\$4	\$12	\$1,090	
17	P200 To P503	3" Sub Soil Drain-SSD	206	LF	\$9	\$4	\$13	\$2,674	
18	P200 To P503	4" Sub Soil Drain-SSD	380	LF	\$10	\$4	\$14	\$5,315	
19	P200 To P503	6" Sub Soil Drain-SSD	140	LF	\$12	\$4	\$16	\$2,246	
Sanitary Waste & Vents									
Pipe Material Above Ground-Waste : No Hub Cast Iron Pipe Material Below Ground -Waste : PVC-Solid Core Pipe Material Above Ground-Vent : PVC-Solid Core Pipe Material Below Ground -Vent : PVC-Solid Core									
20	P200 To P503	2" Sanitary Pipe	218	LF	\$8	\$4	\$12	\$2,611	
21	P200 To P503	3" Sanitary Pipe	289	LF	\$9	\$4	\$13	\$3,758	
22	P200 To P503	1-1/2" Sanitary Pipe	149	LF	\$7	\$3	\$10	\$1,488	
23	P200 To P503	4" Sanitary Pipe	711	LF	\$10	\$4	\$14	\$9,948	
24	P200 To P503	6" Sanitary Pipe	29	LF	\$12	\$4	\$16	\$468	
25	P200 To P503	3" Vent Pipe	93	LF	\$9	\$4	\$13	\$1,211	
26	P200 To P503	1-1/2" Vent Pipe	146	LF	\$7	\$3	\$10	\$1,462	
27	P200 To P503	2" Vent Pipe	614	LF	\$8	\$4	\$12	\$7,373	
28	P200 To P503	4" Sanitary (H=10'-0")	60	LF	\$10	\$4	\$14	\$840	
29	P200 To P503	2" Vent (H=13'-0")	182	LF	\$8	\$4	\$12	\$2,184	
30	P200 To P503	1-1/2" Vent (H=13'-0")	143	LF	\$7	\$3	\$10	\$1,430	
31	P200 To P503	2" Vent (H=15'-0")	150	LF	\$8	\$4	\$12	\$1,800	
32	P200 To P503	3" Sanitary (H=12'-0")	36	LF	\$9	\$4	\$13	\$468	
33	P200 To P503	2" Vent (H=10'-0")	40	LF	\$8	\$4	\$12	\$480	
34	P200 To P503	1-1/2" Vent (H=8'-0")	88	LF	\$7	\$3	\$10	\$880	
35	P200 To P503	2" Vent (H=18'-0")	36	LF	\$8	\$4	\$12	\$432	
36	P200 To P503	2" Vent (H=10'-0")	10	LF	\$8	\$4	\$12	\$120	
37	P200 To P503	3" Sanitary (H=14'-0")	14	LF	\$9	\$4	\$13	\$182	
38	P200 To P503	2" Vent (H=8'-0")	88	LF	\$8	\$4	\$12	\$1,056	
39	P200 To P503	4" Sanitary (H=13'-0")	26	LF	\$10	\$4	\$14	\$364	
40	P200 To P503	3" Sanitary (H=20'-0")	20	LF	\$9	\$4	\$13	\$260	
41	P200 To P503	2" Sanitary (H=3'-0")	33	LF	\$8	\$4	\$12	\$396	
42	P200 To P503	3" Sanitary (H=3'-0")	18	LF	\$9	\$4	\$13	\$234	
43	P200 To P503	4" Sanitary (H=3'-0")	30	LF	\$10	\$4	\$14	\$420	
Domestic Supply									
Pipe Material Above Ground-Hot & Cold : Type K Copper Pipe Material Below Ground -Hot & Cold : Type K Copper									
44	P200 To P503	2" Cold Water Pipe	233	LF	\$8	\$4	\$12	\$2,795	

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45	P200 To P503	1/2" Cold Water Pipe	479	LF	\$5	\$3	\$8	\$3,835	
46	P200 To P503	2" Hot Water Pipe	47	LF	\$8	\$4	\$12	\$559	
47	P200 To P503	1/2" Hot Water Pipe	296	LF	\$5	\$3	\$8	\$2,365	
48	P200 To P503	3/4" Cold Water Pipe	482	LF	\$6	\$3	\$9	\$4,341	
49	P200 To P503	1-1/2" Hot Water Pipe	84	LF	\$7	\$3	\$10	\$838	
50	P200 To P503	1" Hot Water Pipe	130	LF	\$7	\$3	\$10	\$1,301	
51	P200 To P503	3/4" Hot Water Pipe	885	LF	\$6	\$3	\$9	\$7,967	
52	P200 To P503	3" Cold Water Pipe	47	LF	\$9	\$4	\$13	\$609	
53	P200 To P503	6" Fire Service	16	LF	\$12	\$4	\$16	\$250	
54	P200 To P503	1-1/2" Cold Water Pipe	52	LF	\$7	\$3	\$10	\$520	
55	P200 To P503	1" Cold Water Pipe	144	LF	\$7	\$3	\$10	\$1,437	
56	P200 To P503	1/2" Cold Water (H=8'-0")	248	LF	\$5	\$3	\$8	\$1,984	
57	P200 To P503	1/2" Hot Water (H=8'-0")	160	LF	\$5	\$3	\$8	\$1,280	
58	P200 To P503	3" Cold Water (H=10'-0")	10	LF	\$9	\$4	\$13	\$130	
59	P200 To P503	1-1/2" Cold Water (H=8'-0")	16	LF	\$7	\$3	\$10	\$160	
60	P200 To P503	1-1/2" Hot Water (H=8'-0")	16	LF	\$7	\$3	\$10	\$160	
61	P200 To P503	1-1/2" Cold Water (H=5'-0")	5	LF	\$7	\$3	\$10	\$50	
62	P200 To P503	2" Cold Water (H=5'-0")	5	LF	\$8	\$4	\$12	\$60	
63	P200 To P503	1-1/2" Hot Water (H=5'-0")	5	LF	\$7	\$3	\$10	\$50	
64	P200 To P503	1/2" Cold Water (H=5'-0")	60	LF	\$5	\$4	\$9	\$540	
65	P200 To P503	1-1/2" Hot Water (H=18'-0")	18	LF	\$7	\$3	\$10	\$180	
66	P200 To P503	3/4" Hot Water (H=18'-0")	54	LF	\$6	\$3	\$9	\$486	
67	P200 To P503	1/2" Hot Water (H=18'-0")	18	LF	\$5	\$3	\$8	\$144	
68	P200 To P503	1-1/2" Cold Water (H=18'-0")	18	LF	\$7	\$3	\$10	\$180	
69	P200 To P503	2" Cold Water (H=18'-0")	36	LF	\$8	\$4	\$12	\$432	
70	P200 To P503	1/2" Cold Water (H=13'-0")	559	LF	\$5	\$3	\$8	\$4,472	
71	P200 To P503	1/2" Hot Water (H=13'-0")	221	LF	\$5	\$3	\$8	\$1,768	
72	P200 To P503	3/4" Cold Water (H=13'-0")	52	LF	\$6	\$3	\$9	\$468	
73	P200 To P503	1-1/4" Hot Water (H=18'-0")	18	LF	\$7	\$3	\$10	\$180	
74	P200 To P503	1/2" Hot Water (H=5'-0")	5	LF	\$5	\$3	\$8	\$40	
		Domestic Supply Insulation							
75	P200 To P503	1" Fiber Glass, ASJ Insulation	3645	LF	\$1	\$1	\$2	\$5,468	
		Gas							
		Pipe Material -3" & Smaller : SCH 40 Black Steel Threaded Pipe Material -Larger Than 3" : SCH 40 Black Steel Welded							
76	P200 To P503	1-1/4" Gas Pipe	44	LF	\$7	\$3	\$10	\$445	
77	P200 To P503	3/4" Gas Pipe	71	LF	\$6	\$3	\$9	\$641	
78	P200 To P503	1" Gas Pipe	15	LF	\$7	\$3	\$10	\$152	
79	P200 To P503	2" Gas Pipe	26	LF	\$8	\$4	\$12	\$309	
80	P200 To P503	1-1/4" Gas Pipe (H=12'-0")	24	LF	\$7	\$3	\$10	\$240	
81	P200 To P503	1" Gas Pipe (H=8'-0")	16	LF	\$7	\$3	\$10	\$160	
82	P200 To P503	2" Gas Pipe (H=8'-0")	8	LF	\$8	\$4	\$12	\$96	
83	P200 To P503	Gas Cock	18	EA	\$100	\$50	\$150	\$2,700	
		Valves & Caps							
84	P200 To P503	Pressure Regulating Valve (For Gas)	3	EA	\$200	\$100	\$300	\$900	
85	P200 To P503	Solenoid Valve	1	EA	\$200	\$100	\$300	\$300	
86	P200 To P503	Gas Pipe Cap	7	EA	\$200	\$100	\$300	\$2,100	
87	P200 To P503	Shut Off Valve	124	EA	\$200	\$100	\$300	\$37,200	
88	P200 To P503	Check Valve	5	EA	\$200	\$100	\$300	\$1,500	
89	P200 To P503	Balancing Valve	5	EA	\$200	\$100	\$300	\$1,500	
		Plumbing Items							
90	P200 To P503	1678 MBH Gas Meter (Provided By Local Gas Com.)	1	EA	\$900	\$300	\$1,200	\$1,200	
91	P200 To P503	Gas Water Heater-GWH -Capacity : 100 Gallons -Manuf. : A.O Smith -Model: BTH-199A	2	EA	\$12,000	\$2,000	\$14,000	\$28,000	

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92	P200 To P503	Water Hammer Arrestor - WHA-A -Sioux Chief & 660 Series, ASSE 1010 Compliant	6	EA	\$250	\$100	\$350	\$2,100	
93	P200 To P503	Urinal - P20 -Manuf. : Kohler -Model: K-2590	3	EA	\$1,250	\$300	\$1,550	\$4,650	
94	P200 To P503	Water Closet-P12 -Fixture : Kohler K-5402 -Seat : Kohler K-4008 -Waste Pipe : Kohler K-6291	9	EA	\$1,000	\$300	\$1,300	\$11,700	
95	P200 To P503	Water Closet-P13 -Fixture : Kohler K-6299 -Seat : Kohler K-4008 -Waste Pipe : Kohler K-6291	18	EA	\$1,000	\$300	\$1,300	\$23,400	
96	P200 To P503	Lavatory - P32 -Fixture : Kohler K-2211 -Faucet : Kohler K-13469-CP, P-Trap K-8998	17	EA	\$1,000	\$300	\$1,300	\$22,100	
97	P200 To P503	Urinal - P21 -Manuf. : Kohler -Model: K-2590	3	EA	\$1,250	\$300	\$1,550	\$4,650	
98	P200 To P503	Water Closet-P14 -Fixture : Kohler K-5402 -Seat : Kohler K-4008 -Waste Pipe : Kohler K-6291	1	EA	\$1,000	\$300	\$1,300	\$1,300	
99	P200 To P503	Lavatory - P34 -Fixture : Kohler K-2211 -Faucet : Kohler K-13469-CP, P-Trap K-8998	1	EA	\$1,000	\$300	\$1,300	\$1,300	
100	P200 To P503	Sink-P40 -Fixture : Sterling 11449 -Faucet : Kohler K-8761-G	2	EA	\$1,000	\$500	\$1,500	\$3,000	
101	P200 To P503	Lavatory - P33 -Fixture : Kohler K-2211 -Faucet : Kohler K-13469-CP, P-Trap K-8998 -Insulation Kit : Trubro	3	EA	\$1,000	\$300	\$1,300	\$3,900	
102	P200 To P503	Hand Sink-P6 -Please Verify These Sinks are Included in Plumbing Schedule	10	EA	\$1,000	\$500	\$1,500	\$15,000	
103	P200 To P503	Thermostatic Mixing Valve -TMV-1 -Manuf. : Armstrong -Model : DMC40BS	1	EA	\$200	\$100	\$300	\$300	
104	P200 To P503	16 GPM Pump-HWRP-1 -Manuf. : Grundfos -Model : Magna 3 40-80 F N	1	EA	\$1,000	\$500	\$1,500	\$1,500	
105	P200 To P503	10 GPM Pump-HWRP-2 -Manuf. : Grundfos -Model : Magna 3	1	EA	\$1,000	\$500	\$1,500	\$1,500	
106	P200 To P503	52 GPM Submersible Pump-SP-1 -Manuf. : Grundfos -Model : Ossim-30 Oil Smart	2	EA	\$1,000	\$500	\$1,500	\$3,000	
107	P200 To P503	ECM Motor For Pumps	2	EA	\$650	\$300	\$950	\$1,900	
108	P200 To P503	Freeze Hydrant Wall Hydrant W/ Box-WH-1 -Woodford #B-65R, ASSE 1052 Compliant	1	EA	\$300	\$100	\$400	\$400	
109	P200 To P503	3" DCW	1	EA	\$200	\$100	\$300	\$300	
110	P200 To P503	RPZ Assembly	1	EA	\$350	\$100	\$450	\$450	
111	P200 To P503	MOP Basin - P70 -Fixture : Elkay EFS2523C -Skirt : Elkay LK945BP07L2T	1	EA	\$1,000	\$500	\$1,500	\$1,500	
112	P200 To P503	Drinking Fountain - P50 -Fixture : Elkay EHWM17C -Skirt : Elkay LKAPR2	1	EA	\$2,000	\$500	\$2,500	\$2,500	
113	P200 To P503	Water Cooler -Aquaverv : PC111-56-UC10-01 -Please Verify This Fixture, It is on the Schedule.	1	EA	\$2,000	\$500	\$2,500	\$2,500	
114	P200 To P503	Roll In Shower -Kohler K-12102-C-ZZ -Please Verify This Fixture, It is on the Schedule.	1	EA	\$3,000	\$500	\$3,500	\$3,500	
115	P200 To P503	Solid Interceptor-SI-1 -Manuf. : Zurn -Model : Z1181	1	EA	\$300	\$100	\$400	\$400	

CLIENT'S INFORMATION:

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Date: 08/28/2023

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ITEM #	DWG. #	DESCRIPTION	QUANTITY	UNIT	MATERIAL	LABOR	UNIT COST	TOTAL COST	TRADE COST
SUBTOTAL									\$364,317.18
OVERHEAD			15%						\$54,647.58
INSURANCE			3%						\$10,929.52
CONTINGENCY			5%						\$18,215.86
TOTAL BASE BID									\$448,110.13

Note: