



Estimate of Materials and Cost of Construction

Summary Amount	
Subtotal	\$ 491,406
Profit/Overhead	\$ 122,852
Total	\$ 614,258

ITEM #	DRAWING REFERENCE	DESCRIPTION	QTY.	FT	QTY. W/ FT	UNIT	UNIT LABOR	UNIT MATERIAL	LABOR HOURS	UNIT COST	TOTAL LABOR	TOTAL MATERIAL	ITEM COST	TRADE COST
PLUMBING														\$ 491,406
Cold water pipe														
1	P2.2	1" Cold water pipe	636	5%	668	lf	8.8	13.2	5.3	\$ 22.0	\$ 5,876.6	\$ 8,815.0	\$ 14,692	
2	P2.2	1-1/2" Cold water pipe	24	5%	25	lf	11.2	16.8	0.3	\$ 28.0	\$ 282.2	\$ 423.4	\$ 706	
3	P2.2	1-1/4" Cold water pipe	48	5%	50	lf	10	15	0.5	\$ 25.0	\$ 504.0	\$ 756.0	\$ 1,260	
4	P2.2	1/2" Cold water pipe	180	5%	189	lf	4.8	7.2	0.8	\$ 12.0	\$ 907.2	\$ 1,360.8	\$ 2,268	
5	P2.2	2" Cold water pipe	144	5%	151	lf	13.2	19.8	1.8	\$ 33.0	\$ 1,995.8	\$ 2,993.8	\$ 4,990	
6	P2.2	3/4" Cold water pipe	1,476	5%	1,550	lf	7.2	10.8	10.1	\$ 18.0	\$ 11,158.6	\$ 16,737.8	\$ 27,896	
Hot water pipe														
7	P2.2	1" Hot water pipe	60	5%	63	lf	8.8	13.2	0.5	\$ 22.0	\$ 554.4	\$ 831.6	\$ 1,386	
8	P2.2	1/2" Hot water pipe	132	5%	139	lf	4.8	7.2	0.6	\$ 12.0	\$ 665.3	\$ 997.9	\$ 1,663	
9	P2.2	3/4" Hot water pipe	336	5%	353	lf	7.2	10.8	2.3	\$ 18.0	\$ 2,540.2	\$ 3,810.2	\$ 6,350	
10	P2.2	3/4" Hot water return pipe	648	5%	680	lf	7.2	10.8	4.4	\$ 18.0	\$ 4,898.9	\$ 7,348.3	\$ 12,247	
Sanitary pipe														
11	P2.1	2" Grease waste pipe	132	5%	139	lf	13.2	19.8	1.6	\$ 33.0	\$ 1,829.5	\$ 2,744.3	\$ 4,574	
12	P2.1	2" Sanitary pipe	672	5%	706	lf	13.2	19.8	8.4	\$ 33.0	\$ 9,313.9	\$ 13,970.9	\$ 23,285	
13	P2.1	3" Grease waste pipe	864	5%	907	lf	18	27	14.7	\$ 45.0	\$ 16,329.6	\$ 24,494.4	\$ 40,824	
14	P2.1	3" Sanitary pipe, PVC	372	5%	391	lf	18	27	6.3	\$ 45.0	\$ 7,030.8	\$ 10,546.2	\$ 17,577	
15	P2.1	Pressure and temperature relief pipe	24	5%	25	lf	11.2	16.8	0.3	\$ 28.0	\$ 282.2	\$ 423.4	\$ 706	
16	P2.1	3" Sanitary pipe	408	5%	428	lf	18	27	6.9	\$ 45.0	\$ 7,711.2	\$ 11,566.8	\$ 19,278	
Vent pipe														
17	P2.1	1-1/2" Vent pipe	120	5%	126	lf	11.2	16.8	1.3	\$ 28.0	\$ 1,411.2	\$ 2,116.8	\$ 3,528	
18	P2.1	2" Vent pipe	1,488	5%	1,562	lf	13.2	19.8	18.6	\$ 33.0	\$ 20,623.7	\$ 30,935.5	\$ 51,559	
19	P2.1	3" Vent pipe	240	5%	252	lf	18	27	4.1	\$ 45.0	\$ 4,536.0	\$ 6,804.0	\$ 11,340	
Condensate pipe														
20	P2.2	3/4" Condensate pipe	924	5%	970	lf	7.2	10.8	6.3	\$ 18.0	\$ 6,985.4	\$ 10,478.2	\$ 17,464	
Gas pipe														
21	P2.2	1" Gas pipe	96	5%	101	lf	8.8	13.2	0.8	\$ 22.0	\$ 887.0	\$ 1,330.6	\$ 2,218	
22	P2.2	1-1/2" Gas pipe	12	5%	13	lf	11.2	16.8	0.1	\$ 28.0	\$ 141.1	\$ 211.7	\$ 353	
23	P2.2	1-1/4" Gas pipe	480	5%	504	lf	10	15	4.5	\$ 25.0	\$ 5,040.0	\$ 7,560.0	\$ 12,600	
24	P2.2	1/2" Gas pipe	96	5%	101	lf	4.8	7.2	0.4	\$ 12.0	\$ 483.8	\$ 725.8	\$ 1,210	
25	P2.2	3/4" Gas pipe	60	5%	63	lf	7.2	10.8	0.4	\$ 18.0	\$ 453.6	\$ 680.4	\$ 1,134	
Fixtures														
26	P2.1, P2.2	3- Compartment sink	12	0%	12	ea	220	330	2.4	\$ 550.0	\$ 2,640.0	\$ 3,960.0	\$ 6,600	
27	P2.1, P2.2	Ansul valve	24	0%	24	ea	100	150	2.2	\$ 250.0	\$ 2,400.0	\$ 3,600.0	\$ 6,000	
28	P2.1, P2.2	Circulation pump, 8.5 watts	12	0%	12	ea	480	720	5.2	\$ 1,200.0	\$ 5,760.0	\$ 8,640.0	\$ 14,400	
29	P2.1, P2.2	Condensate pump, 93 watts, 1/2 gallon tank	12	0%	12	ea	720	1080	7.8	\$ 1,800.0	\$ 8,640.0	\$ 12,960.0	\$ 21,600	

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30	P2.1, P2.2	Cooking range	12	0%	12	ea	200	300	2.2	\$ 500.0	\$ 2,400.0	\$ 3,600.0	\$ 6,000		
31	P2.1, P2.2	Dishwasher	12	0%	12	ea	180	270	1.9	\$ 450.0	\$ 2,160.0	\$ 3,240.0	\$ 5,400		
32	P2.1, P2.2	Double check valve with atmospheric vent	24	0%	24	ea	80	120	1.7	\$ 200.0	\$ 1,920.0	\$ 2,880.0	\$ 4,800		
33	P2.1, P2.2	Floor drain	36	0%	36	ea	100	150	3.2	\$ 250.0	\$ 3,600.0	\$ 5,400.0	\$ 9,000		
34	P2.1, P2.2	Floor sink receptor	36	0%	36	ea	120	180	3.9	\$ 300.0	\$ 4,320.0	\$ 6,480.0	\$ 10,800		
35	P2.1, P2.2	Gas meter	12	0%	12	ea	220	330	2.4	\$ 550.0	\$ 2,640.0	\$ 3,960.0	\$ 6,600		
36	P2.1, P2.2	Gas water heater, 75 gallon, 76000 btuh	12	0%	12	ea	720	1080	7.8	\$ 1,800.0	\$ 8,640.0	\$ 12,960.0	\$ 21,600		
37	P2.1, P2.2	Gate valve in valve box	12	0%	12	ea	120	180	1.3	\$ 300.0	\$ 1,440.0	\$ 2,160.0	\$ 3,600		
38	P2.1, P2.2	Grease interceptor, 125 gallon	12	0%	12	ea	100	150	1.1	\$ 250.0	\$ 1,200.0	\$ 1,800.0	\$ 3,000		
39	P2.1, P2.2	Hand wash sink	36	0%	36	ea	160	240	5.2	\$ 400.0	\$ 5,760.0	\$ 8,640.0	\$ 14,400		
40	P2.1, P2.2	Ice machine	12	0%	12	ea	60	90	0.6	\$ 150.0	\$ 720.0	\$ 1,080.0	\$ 1,800		
41	P2.1, P2.2	Lavatory	12	0%	12	ea	180	270	1.9	\$ 450.0	\$ 2,160.0	\$ 3,240.0	\$ 5,400		
42	P2.1, P2.2	Refrigerator	12	0%	12	ea	520	780	5.6	\$ 1,300.0	\$ 6,240.0	\$ 9,360.0	\$ 15,600		
43	P2.1, P2.2	Service sink	12	0%	12	ea	200	300	2.2	\$ 500.0	\$ 2,400.0	\$ 3,600.0	\$ 6,000		
44	P2.1, P2.2	Sink, prep	12	0%	12	ea	200	300	2.2	\$ 500.0	\$ 2,400.0	\$ 3,600.0	\$ 6,000		
45	P2.1, P2.2	Soda machine	12	0%	12	ea	60	90	0.6	\$ 150.0	\$ 720.0	\$ 1,080.0	\$ 1,800		
46	P2.1, P2.2	Thermostatic mixing valve	12	0%	12	ea	120	180	1.3	\$ 300.0	\$ 1,440.0	\$ 2,160.0	\$ 3,600		
47	P2.1, P2.2	Trap primer	12	0%	12	ea	80	120	0.9	\$ 200.0	\$ 960.0	\$ 1,440.0	\$ 2,400		
48	P2.1, P2.2	Urinal	12	0%	12	ea	300	450	3.2	\$ 750.0	\$ 3,600.0	\$ 5,400.0	\$ 9,000		
49	P2.1, P2.2	Wall cleanout	24	0%	24	ea	80	120	1.7	\$ 200.0	\$ 1,920.0	\$ 2,880.0	\$ 4,800		
50	P2.1, P2.2	Wall hydrant	24	0%	24	ea	120	180	2.6	\$ 300.0	\$ 2,880.0	\$ 4,320.0	\$ 7,200		
51	P2.1, P2.2	Water closet, FV	12	0%	12	ea	430	645	4.6	\$ 1,075.0	\$ 5,160.0	\$ 7,740.0	\$ 12,900		
SUB TOTAL												\$	491,406	\$	491,406
INSURANCE										3%	\$	14,742	\$	14,742	
OVERHEAD AND PROFIT										22%	\$	108,109	\$	108,109	
TOTAL BASE BID												\$	614,258	\$	614,258

General Notes: The prices used while preparing the estimate were taken from RSMeans online i.e. the standard pricing & the company is not responsible for any kind of variations in the prices. So, it is preferred to review the prices.

- Note**
- The drawings are scaled as per the mentioned scales on the plans.
 - The prices used are standard prices, unless otherwise noted.

- Exclusions**
- Union Wages

- Legend**
- F.C = Waste or diff. factor
 - sf = square feet
 - lf = linear feet
 - ea = each
 - cy = cubic yard
 - sy = square yard
 - loc = location
 - ls = lump sum