

S#	DWG #	DETAIL #	CSI NO	DESCRIPTION	QTY.	QTY. incl 10% wastage	UNIT	LABOR			MATERIAL (PER UNIT)	EQUIPMENT (PER UNIT)	COMPOSITE RATE/UNIT	TOTAL COST
								Manhour / Unit	\$/HOUR	COST				
			010000	DIVISION 01 - GENERAL REQUIREMENTS										
1				MOBILIZATION	1		LS							
2				BOND & INSURANCE	1		LS							
3				SUPERVISION	1		LS							
4				SUBMITTALS & SAMPLES	1		LS							
5				TEMPORARY FACILITIES & CONTROLS	1		LS							
6				PROJECT SCHEDULE	1		LS							
7				CLOSEOUT PROCEDURES	1		LS							
8				PERMITS	1		LS							
				Subtotal										
				BUILDING A										
			150000	DIVISION 15 - PLUMBING										
9				BACKFLOW PREVENTER NOTE: 4" ASSUMED	1	1	EA							
10				WATER METER	1	1	EA							
11				Gas Meter	6	6	EA							
12				Bath Tub	157	157	EA							
13				Kitchen Sink	130	130	EA							
14				Lavatory	193	193	EA							
15				Shower	7	7	EA							
16				Water Closet	166	166	EA							
17				Water Heater - RHEEM - 7.03GPM RHEEM - 18.25"Hx21.625"Wx3.5"D	130	130	EA							
18				SINK	2	2	EA							
19				WASHERBOX	130	130	EA							
20				(SP-1) - Elevator Sump Pump, Manuf: Ebara, Model: EPD- 5MS1. Flow Rate 50GPM.	3	3	EA							
21				(DBP-1) - Domestic Water Booster Pump, Manuf: Prodigy, Model: Prodigy - Duplex.	1	1	EA							
22				CENTRAL WATER HEATER - AO SMITH - 40MBTU - 40GAL.	1	1	EA							
23				FREEZE PROOF HOSEBIBB	4	4	EA							
24				3" Floor Drain	141	141	EA							
25				CLEANOUT	168	168	EA							
26				5" Roof Drain	2	2	EA							
27				3" Roof Drain	15	15	EA							
28				4" Roof Drain	2	2	EA							
29				6" Roof drain	10	10	EA							
30				(1-1/2") PTRAP	482	482	EA							
31				(2") PTRAP	260	260	EA							
32				T&P RELIEF VALVE	2	2	EA							
33				SHUTT OFF VALVE	920	920	EA							
34				PRESSURE GAUGE	2	2	EA							
				DOMESTIC WATER PIPING										
				PEX										
35				(1/2"Dia) Cold Water	6365	7001.5	LF							
36				(1/2"Dia) Hot Water	4710	5181	LF							
37				(1"Dia) Cold Water	2055	2260.5	LF							
38				(2-1/2"Dia) Cold Water	100	110	LF							
39				(2"Dia) Cold Water	898	987.8	LF							
40				(3/4"Dia) Cold Water	9085	9993.5	LF							
41				(3/4"Dia) Hot Water	6721	7393.1	LF							
42				(3"Dia) Cold Water	493	542.3	LF							
43				(4"Dia) Cold Water	566	622.6	LF							
				BRASS FITTINGS										
44				(1") 90DeG ELBOW	42	42	EA							
45				(1") TEE	21	21	EA							
46				(1") 45Deg ELBOW	3	3	EA							
47				(1") COUPLING	186	186	EA							
48				(1/2") 90DeG ELBOW	664	664	EA							
49				(1/2") TEE	110	110	EA							
50				(1/2") COUPLING	550	550	EA							
51				(3/4") 90DeG ELBOW	474	474	EA							
52				(3/4") TEE	158	158	EA							
53				(3/4") COUPLING	1538	1538	EA							
54				(2-1/2") 90DeG ELBOW	10	10	EA							
55				(2-1/2") TEE	2	2	EA							
56				(2-1/2") COUPLING	8	8	EA							
57				(2") 90DeG ELBOW	33	33	EA							
58				(2") TEE	10	10	EA							
59				(2") COUPLING	89	89	EA							
60				(3") 90DeG ELBOW	30	30	EA							
61				(3") TEE	5	5	EA							
62				(3") COUPLING	51	51	EA							
63				(4") 90DeG ELBOW	32	32	EA							
64				(4") TEE	1	1	EA							
65				(4") COUPLING	56	56	EA							
66				3/4" x1/2" CONCENTRIC REDUCER	392	392	EA							
67				1" x3/4" CONCENTRIC REDUCER	165	165	EA							
68				1-1/4" x3/4" CONCENTRIC REDUCER	5	5	EA							
69				2" x1" CONCENTRIC REDUCER	3	3	EA							
70				2-1/2" x1" CONCENTRIC REDUCER	2	2	EA							
71				2" x3/4" CONCENTRIC REDUCER	1	1	EA							
72				2-1/2" x2" CONCENTRIC REDUCER	2	2	EA							
73				3" x2-1/2" CONCENTRIC REDUCER	2	2	EA							
74				1/2" CAPS	12	12	EA							
75				3/4" CAPS	7	7	EA							
76				1" CAPS	9	9	EA							
77				3/4" x1/2" REDUCED TEE	395	395	EA							
78				1" x3/4" REDUCED TEE	130	130	EA							
79				2" x1" REDUCED TEE	15	15	EA							
80				2-1/2" x1" REDUCED TEE	8	8	EA							
81				4" x1" REDUCED TEE	32	32	EA							
82				3" x1" REDUCED TEE	28	28	EA							
83				3" x2-1/2" REDUCED TEE	2	2	EA							
84				FLUX--2 OZ. CAN	8	8	EA							
85				ABRASIVE CLOTH-25YD	1	1	EA							
86				Wall Clamps	392	392	EA							
87				#260 ADJ. CLEVIS HNG.	1990	1990	EA							
88				3/8" #146 ALL THREAD ROD-BLK	1990	1990	EA							
89				3/8" HEX NUTS	3980	3980	EA							
90				3/8" WASHER FLAT	3980	3980	EA							
				SANITARY PIPE										
				PVC SCH 40										
91				(2"Dia) Storm Pipe	65	71.5	LF							
92				(2"Dia) Sump Pump Pipe	60	66	LF							
93				(2"Dia) Vent Pipe	7135	7848.5	LF							
94				(2"Dia) Sanitary Pipe	6476	7123.6	LF							
95				(1-1/2"Dia) Sanitary Pipe	2400	2640	LF							

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								Manhour / Unit	\$/HOUR	COST				
193				4" Roof Drain	2	2	EA							
194				CLEANOUT	165	165	EA							
195				(1-1/2") PTRAP	525	525	EA							
196				(2") PTRAP	330	330	EA							
197				SHUTT OFF VALVE	1042	1042	EA							
				DOMESTIC WATER PIPING										
				PEX										
198				(1-1/2"Dia) Cold Water	197	216.7	LF							
199				(1"Dia) Cold Water	5855	6440.5	LF							
200				(2-1/2"Dia) Gas Pipe	42	46.2	LF							
201				(2"Dia) Cold Water	122	134.2	LF							
202				(4"Dia) Cold Water	16	17.6	LF							
203				(3/4") COLD WATER PIPE	12416	13657.6	LF							
204				(3/4") HOT WATER PIPE	7665	8431.5	LF							
205				(1/2") COLD WATER PIPE	6281	6909.1	LF							
206				(1/2") HOT WATER PIPE	3675	4042.5	LF							
				BRASS FITTINGS										
207				(1") 90DeG ELBOW	68	68	EA							
208				(1") TEE	36	36	EA							
209				(1") 45Deg ELBOW	10	10	EA							
210				(1") COUPLING	128	128	EA							
211				(1/2") 90DeG ELBOW	567	567	EA							
212				(1/2") TEE	100	100	EA							
213				(1/2") COUPLING	695	695	EA							
214				(3/4") 90DeG ELBOW	400	400	EA							
215				(3/4") TEE	183	183	EA							
216				(3/4") COUPLING	1875	1875	EA							
217				(1-1/2") 90DeG ELBOW	10	10	EA							
218				(1-1/2") TEE	2	2	EA							
219				(1-1/2") COUPLING	4	4	EA							
220				(2") 90DeG ELBOW	16	16	EA							
221				(2") TEE	9	9	EA							
222				(2") COUPLING	18	18	EA							
223				(2-1/2") 90DeG ELBOW	24	24	EA							
224				(2-1/2") TEE	5	5	EA							
225				(2-1/2") COUPLING	2	2	EA							
226				(4") 90DeG ELBOW	4	4	EA							
227				(4") TEE	2	2	EA							
228				(4") COUPLING	1	1	EA							
229				3/4" x1/2" CONCENTRIC REDUCER	837	837	EA							
230				1" x3/4" CONCENTRIC REDUCER	165	165	EA							
231				1-1/4" x3/4" CONCENTRIC REDUCER	126	126	EA							
232				2" x1" CONCENTRIC REDUCER	18	18	EA							
233				2-1/2" x2" CONCENTRIC REDUCER	2	2	EA							
234				4" x1" CONCENTRIC REDUCER	34	34	EA							
235				2" x1-1/2" CONCENTRIC REDUCER	7	7	EA							
236				1/2" CAPS	2	2	EA							
237				3/4" CAPS	7	7	EA							
238				1" CAPS	7	7	EA							
239				3/4" x1/2" REDUCED TEE	330	330	EA							
240				1" x3/4" REDUCED TEE	175	175	EA							
241				1-1/2" x1/2" REDUCED TEE	2	2	EA							
242				1-1/2" x3/4" REDUCED TEE	24	24	EA							
243				1-1/2" x1" REDUCED TEE	5	5	EA							
244				2" x3/4" REDUCED TEE	38	38	EA							
245				2" x1" REDUCED TEE	2	2	EA							
246				2" x1-1/2" REDUCED TEE	2	2	EA							
247				2-1/2" x3/4" REDUCED TEE	2	2	EA							
248				4" x1" REDUCED TEE	125	125	EA							
249				FLUX--2 OZ. CAN	8	8	EA							
250				ABRASIVE CLOTH-25YD	1	1	EA							
251				WALL CLAMP	753	753	EA							
252				#260 ADJ. CLEVIS HNG.	2594	2594	EA							
253				3/8" #146 ALL THREAD ROD-BLK	2594	2594	EA							
254				3/8" HEX NUTS	5188	5188	EA							
255				3/8" WASHER FLAT	5188	5188	EA							
				SANITARY PIPE										
				PVC SCH 40										
256				(10"Dia) Sanitary Pipe	165	181.5	LF							
257				(1-1/2") VENT PIPE	1480	1628	LF							
258				(2") SANITARY PIPE	8180	8998	LF							
259				(2"Dia) Vent Pipe	8185	9003.5	LF							
260				(2"Dia) Sump Pump Discharge Pipe	20	22	LF							
261				(3"Dia) Sanitary Pipe	2985	3283.5	LF							
262				(3"Dia) Vent Pipe	630	693	LF							
263				(4"Dia) Sanitary Pipe	3565	3921.5	LF							
264				(4"Dia) Strom Pipe	970	1067	LF							
265				(5"Dia) Sanitary Pipe	185	203.5	LF							
266				(6"Dia) Sanitary Pipe	220	242	LF							
267				(8"Dia) Sanitary Pipe	175	192.5	LF							
				FITTINGS										
268				(1-1/2") 90DeG ELBOW	296	296	EA							
269				(1-1/2") COUPLING	928	928	EA							
270				(2") 90DeG ELBOW	328	328	EA							
271				(2") TEE	113	113	EA							
272				(2") 45Deg ELBOW	45	45	EA							
273				(2") WYE	68	68	EA							
274				(2") COUPLING	1593	1593	EA							
275				(3") 90DeG ELBOW	75	75	EA							
276				(3") TEE	26	26	EA							
277				(3") WYE	12	12	EA							
278				(3") COUPLING	396	396	EA							
279				(4") 90DeG ELBOW	165	165	EA							
280				(4") TEE	45	45	EA							
281				(4") 45Deg ELBOW	19	19	EA							
282				(4") WYE	135	135	EA							
283				(4") COUPLING	498	498	EA							
284				(5") 90DeG ELBOW	12	12	EA							
285				(5") WYE	3	3	EA							
286				(5") COUPLING	12	12	EA							
287				(6") 90DeG ELBOW	20	20	EA							
288				(6") TEE	8	8	EA							
289				(6") WYE	35	35	EA							
290				(6") COUPLING	11	11	EA							
291				(8") 90DeG ELBOW	7	7	EA							
292				(8") WYE	3	3	EA							
293				(8") COUPLING	30	30	EA							
294				(10") 90DeG ELBOW	32	32	EA							
295				(10") TEE	5	5	EA							
296				(10") WYE	3	3	EA							

