



Date -/-/
 Project -----
 Project Location -----

+1 (813) 708-6333

												LABOR RATE		\$ 60.00
SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST	
NEW WORK														
COLD WATER PIPE														
Type L Copper Hard Drawn														
1	3/8" Dia Cold Water Pipe	40	10%	44	LFT	0.095	\$ 3.71	\$ 5.70	4.1	\$ 162	\$ 248	\$ 9	\$ 410	
2	1/2" Dia Cold Water Pipe	231	10%	254	LFT	0.099	\$ 4.26	\$ 5.94	25.1	\$ 1,081	\$ 1,507	\$ 10	\$ 2,588	
3	3/4" Dia Cold Water Pipe	1172	10%	1290	LFT	0.105	\$ 5.68	\$ 6.30	135.4	\$ 7,325	\$ 8,125	\$ 12	\$ 15,449	
4	1" Dia Cold Water Pipe	262	10%	288	LFT	0.118	\$ 6.21	\$ 7.08	34.0	\$ 1,787	\$ 2,037	\$ 13	\$ 3,825	
5	1-1/4" Dia Cold Water Pipe	218	10%	240	LFT	0.138	\$ 11.03	\$ 8.28	33.2	\$ 2,651	\$ 1,990	\$ 19	\$ 4,641	
6	1-1/2" Dia Cold Water Pipe	496	10%	546	LFT	0.154	\$ 14.20	\$ 9.24	84.1	\$ 7,755	\$ 5,046	\$ 23	\$ 12,801	
7	2" Dia Cold Water Pipe	474	10%	521	LFT	0.190	\$ 21.67	\$ 11.40	99.1	\$ 11,299	\$ 5,944	\$ 33	\$ 17,243	
8	2-1/2" Dia Cold Water Pipe	574	10%	631	LFT	0.258	\$ 33.71	\$ 15.48	162.9	\$ 21,281	\$ 9,773	\$ 49	\$ 31,054	
9	3" Dia Cold Water Pipe	71	10%	78	LFT	0.286	\$ 45.74	\$ 17.16	22.4	\$ 3,588	\$ 1,346	\$ 63	\$ 4,934	
10	4" Dia Cold Water Pipe	208	10%	228	LFT	0.410	\$ 77.04	\$ 24.60	93.6	\$ 17,587	\$ 5,616	\$ 102	\$ 23,203	
INSULATION														
1/2" Thick Fiber Glass Insulation W/ Kraft Paper Moisture Barrier														
1	3/8" Dia Cold Water Pipe	40	10%	44	LFT	0.062	\$ 1.31	\$ 3.72	2.7	\$ 57	\$ 162	\$ 5	\$ 219	
2	1/2" Dia Cold Water Pipe	231	10%	254	LFT	0.064	\$ 1.42	\$ 3.84	16.2	\$ 360	\$ 974	\$ 5	\$ 1,335	
3	3/4" Dia Cold Water Pipe	1172	10%	1290	LFT	0.067	\$ 1.65	\$ 4.02	86.4	\$ 2,128	\$ 5,184	\$ 6	\$ 7,312	
4	1" Dia Cold Water Pipe	262	10%	288	LFT	0.070	\$ 1.98	\$ 4.20	20.1	\$ 570	\$ 1,209	\$ 6	\$ 1,778	
5	1-1/4" Dia Cold Water Pipe	218	10%	240	LFT	0.074	\$ 2.20	\$ 4.44	17.8	\$ 529	\$ 1,067	\$ 7	\$ 1,596	
1" Thick Fiber Glass Insulation W/ Kraft Paper Moisture Barrier														
6	1-1/2" Dia Cold Water Pipe	496	10%	546	LFT	0.080	\$ 2.48	\$ 4.80	43.7	\$ 1,354	\$ 2,621	\$ 7	\$ 3,976	
7	2" Dia Cold Water Pipe	474	10%	521	LFT	0.084	\$ 2.81	\$ 5.04	43.8	\$ 1,465	\$ 2,628	\$ 8	\$ 4,093	
8	2-1/2" Dia Cold Water Pipe	574	10%	631	LFT	0.086	\$ 3.26	\$ 5.16	54.3	\$ 2,058	\$ 3,258	\$ 8	\$ 5,316	
9	3" Dia Cold Water Pipe	71	10%	78	LFT	0.090	\$ 3.95	\$ 5.40	7.1	\$ 310	\$ 424	\$ 9	\$ 733	
10	4" Dia Cold Water Pipe	208	10%	228	LFT	0.100	\$ 4.48	\$ 6.00	22.8	\$ 1,023	\$ 1,370	\$ 10	\$ 2,392	
COLD WATER PIPE FITTINGS														
ELBOW														
1	3/8" Dia Cold Water Pipe 90 Deg Elbow	11	0%	11	EA	0.400	\$ 14.30	\$ 24.00	4.4	\$ 157	\$ 264	\$ 38	\$ 421	
2	1/2" Dia Cold Water Pipe 90 Deg Elbow	52	0%	52	EA	0.450	\$ 21.20	\$ 27.00	23.4	\$ 1,102	\$ 1,404	\$ 48	\$ 2,506	
3	3/4" Dia Cold Water Pipe 90 Deg Elbow	198	0%	198	EA	0.700	\$ 34.60	\$ 42.00	138.6	\$ 6,851	\$ 8,316	\$ 77	\$ 15,167	
4	1" Dia Cold Water Pipe 90 Deg Elbow	32	0%	32	EA	0.950	\$ 48.90	\$ 57.00	30.4	\$ 1,565	\$ 1,824	\$ 106	\$ 3,389	
5	1-1/4" Dia Cold Water Pipe 90 Deg Elbow	20	0%	20	EA	1.200	\$ 65.30	\$ 72.00	24.0	\$ 1,306	\$ 1,440	\$ 137	\$ 2,746	
6	1-1/2" Dia Cold Water Pipe 90 Deg Elbow	40	0%	40	EA	1.600	\$ 84.20	\$ 96.00	64.0	\$ 3,368	\$ 3,840	\$ 180	\$ 7,208	
7	2" Dia Cold Water Pipe 90 Deg Elbow	39	0%	39	EA	1.800	\$ 111.50	\$ 108.00	70.2	\$ 4,349	\$ 4,212	\$ 220	\$ 8,561	
8	2-1/2" Dia Cold Water Pipe 90 Deg Elbow	35	0%	35	EA	2.200	\$ 160.20	\$ 132.00	77.0	\$ 5,607	\$ 4,620	\$ 292	\$ 10,227	
9	3" Dia Cold Water Pipe 90 Deg Elbow	6	0%	6	EA	2.500	\$ 198.30	\$ 150.00	15.0	\$ 1,190	\$ 900	\$ 348	\$ 2,090	
10	4" Dia Cold Water Pipe 90 Deg Elbow	16	0%	16	EA	3.000	\$ 242.20	\$ 180.00	48.0	\$ 3,875	\$ 2,880	\$ 422	\$ 6,755	

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
TEE													
1	1" Dia Cold Water Pipe Tee	14	0%	14	EA	1.000	\$ 60.00	\$ 60.00	14.0	\$ 840	\$ 840	\$ 120	\$ 1,680
2	1-1/4" Dia Cold Water Pipe Tee	9	0%	9	EA	1.250	\$ 78.00	\$ 75.00	11.3	\$ 702	\$ 675	\$ 153	\$ 1,377
3	2" / 3/4" Dia Cold Water Pipe Tee	8	0%	8	EA	2.000	\$ 138.00	\$ 120.00	16.0	\$ 1,104	\$ 960	\$ 258	\$ 2,064
4	2" Dia Cold Water Pipe Tee	4	0%	4	EA	2.000	\$ 138.00	\$ 120.00	8.0	\$ 552	\$ 480	\$ 258	\$ 1,032
5	2-1/2" Dia Cold Water Pipe Tee	2	0%	2	EA	2.500	\$ 194.00	\$ 150.00	5.0	\$ 388	\$ 300	\$ 344	\$ 688
6	3/4" Dia Cold Water Pipe Tee	48	0%	48	EA	0.800	\$ 52.00	\$ 48.00	38.4	\$ 2,496	\$ 2,304	\$ 100	\$ 4,800
7	3/4" / 1/2" Dia Cold Water Pipe Tee	20	0%	20	EA	0.800	\$ 52.00	\$ 48.00	16.0	\$ 1,040	\$ 960	\$ 100	\$ 2,000
8	4" / 2" Dia Cold Water Pipe Tee	5	0%	5	EA	3.500	\$ 291.00	\$ 210.00	17.5	\$ 1,455	\$ 1,050	\$ 501	\$ 2,505
9	4" / 2-1/2" Dia Cold Water Pipe Tee	4	0%	4	EA	3.500	\$ 291.00	\$ 210.00	14.0	\$ 1,164	\$ 840	\$ 501	\$ 2,004
10	4" / 3/4" Dia Cold Water Pipe Tee	4	0%	4	EA	3.500	\$ 291.00	\$ 210.00	14.0	\$ 1,164	\$ 840	\$ 501	\$ 2,004
REDUCER													
1	1-1/4" / 3/4" Dia Cold Water Pipe Reducer	4	0%	4	EA	1.500	\$ 98.00	\$ 90.00	6.0	\$ 392	\$ 360	\$ 188	\$ 752
2	2" / 3/4" Dia Cold Water Pipe Reducer	2	0%	2	EA	2.200	\$ 160.00	\$ 132.00	4.4	\$ 320	\$ 264	\$ 292	\$ 584
HOT WATER PIPE													
Type L Copper Hard Drawn													
1	1/2" Dia Hot Water Pipe	125	10%	138	LFT	0.095	\$ 3.71	\$ 5.70	13.1	\$ 512	\$ 786	\$ 9	\$ 1,298
2	3/4" Dia Hot Water Pipe	947	10%	1042	LFT	0.099	\$ 4.26	\$ 5.94	103.1	\$ 4,438	\$ 6,188	\$ 10	\$ 10,625
3	1" Dia Hot Water Pipe	165	10%	181	LFT	0.105	\$ 5.68	\$ 6.30	19.0	\$ 1,029	\$ 1,142	\$ 12	\$ 2,171
4	1-1/4" Dia Hot Water Pipe	387	10%	426	LFT	0.118	\$ 6.21	\$ 7.08	50.2	\$ 2,644	\$ 3,014	\$ 13	\$ 5,657
5	1-1/2" Dia Hot Water Pipe	132	10%	145	LFT	0.138	\$ 11.03	\$ 8.28	20.0	\$ 1,601	\$ 1,202	\$ 19	\$ 2,803
6	2" Dia Hot Water Pipe	441	10%	485	LFT	0.154	\$ 14.20	\$ 9.24	74.7	\$ 6,885	\$ 4,480	\$ 23	\$ 11,365
7	2-1/2" Dia Hot Water Pipe	149	10%	164	LFT	0.190	\$ 21.67	\$ 11.40	31.2	\$ 3,557	\$ 1,871	\$ 33	\$ 5,429
INSULATION													
1" Thick Fiber Glass Insulation W/ Kraft Paper Moisture Barrier													
1	1/2" Dia Hot Water Pipe	125	10%	138	LFT	0.064	\$ 1.42	\$ 3.84	8.8	\$ 196	\$ 530	\$ 5	\$ 726
2	3/4" Dia Hot Water Pipe	947	10%	1042	LFT	0.067	\$ 1.65	\$ 4.02	69.8	\$ 1,719	\$ 4,188	\$ 6	\$ 5,906
3	1" Dia Hot Water Pipe	165	10%	181	LFT	0.070	\$ 1.98	\$ 4.20	12.7	\$ 359	\$ 761	\$ 6	\$ 1,120
4	1-1/4" Dia Hot Water Pipe	387	10%	426	LFT	0.074	\$ 2.20	\$ 4.44	31.5	\$ 937	\$ 1,890	\$ 7	\$ 2,827
1-1/2" Thick Fiber Glass Insulation W/ Kraft Paper Moisture Barrier													
6	1-1/2" Dia Hot Water Pipe	132	10%	145	LFT	0.080	\$ 2.48	\$ 4.80	11.6	\$ 360	\$ 697	\$ 7	\$ 1,057
7	2" Dia Hot Water Pipe	441	10%	485	LFT	0.084	\$ 2.81	\$ 5.04	40.7	\$ 1,362	\$ 2,444	\$ 8	\$ 3,806
8	2-1/2" Dia Hot Water Pipe	149	10%	164	LFT	0.086	\$ 3.26	\$ 5.16	14.1	\$ 535	\$ 847	\$ 8	\$ 1,382
HOT WATER PIPE FITTINGS													
ELBOW													
1	1/2" Dia Hot Water Pipe 90 Deg Elbow	24	0%	24	EA	0.450	\$ 21.20	\$ 27.00	10.8	\$ 509	\$ 648	\$ 48	\$ 1,157
2	3/4" Dia Hot Water Pipe 90 Deg Elbow	164	0%	164	EA	0.700	\$ 34.60	\$ 42.00	114.8	\$ 5,674	\$ 6,888	\$ 77	\$ 12,562
3	1" Dia Hot Water Pipe 90 Deg Elbow	29	0%	29	EA	0.950	\$ 48.90	\$ 57.00	27.6	\$ 1,418	\$ 1,653	\$ 106	\$ 3,071
4	1-1/4" Dia Hot Water Pipe 90 Deg Elbow	49	0%	49	EA	1.200	\$ 65.30	\$ 72.00	58.8	\$ 3,200	\$ 3,528	\$ 137	\$ 6,728
5	1-1/2" Dia Hot Water Pipe 90 Deg Elbow	18	0%	18	EA	1.600	\$ 84.20	\$ 96.00	28.8	\$ 1,516	\$ 1,728	\$ 180	\$ 3,244
6	2" Dia Hot Water Pipe 90 Deg Elbow	36	0%	36	EA	1.800	\$ 111.50	\$ 108.00	64.8	\$ 4,014	\$ 3,888	\$ 220	\$ 7,902
7	2-1/2" Dia Hot Water Pipe 90 Deg Elbow	14	0%	14	EA	2.200	\$ 160.20	\$ 132.00	30.8	\$ 2,243	\$ 1,848	\$ 292	\$ 4,091
TEE													
1	1/2" Dia Hot Water Pipe Tee	4	0%	4	EA	0.500	\$ 28.00	\$ 30.00	2.0	\$ 112	\$ 120	\$ 58	\$ 232
2	3/4" Dia Hot Water Pipe Tee	28	0%	28	EA	0.800	\$ 52.00	\$ 48.00	22.4	\$ 1,456	\$ 1,344	\$ 100	\$ 2,800

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
3	3/4" / 1/2" Dia Hot Water Pipe Tee	8	0%	8	EA	0.800	\$ 52.00	\$ 48.00	6.4	\$ 416	\$ 384	\$ 100	\$ 800
4	1" Dia Hot Water Pipe Tee	13	0%	13	EA	1.000	\$ 60.00	\$ 60.00	13.0	\$ 780	\$ 780	\$ 120	\$ 1,560
5	1-1/4" / 3/4" Dia Hot Water Pipe Tee	15	0%	15	EA	1.250	\$ 78.00	\$ 75.00	18.8	\$ 1,170	\$ 1,125	\$ 153	\$ 2,295
6	1-1/2" / 3/4" Dia Hot Water Pipe Tee	16	0%	16	EA	1.500	\$ 108.00	\$ 90.00	24.0	\$ 1,728	\$ 1,440	\$ 198	\$ 3,168
7	2" / 3/4" Dia Hot Water Pipe Tee	8	0%	8	EA	2.000	\$ 138.00	\$ 120.00	16.0	\$ 1,104	\$ 960	\$ 258	\$ 2,064

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8	2-1/2" / 3/4" Dia Hot Water Pipe Tee	10	0%	10	EA	2.500	\$ 194.00	\$ 150.00	25.0	\$ 1,940	\$ 1,500	\$ 344	\$ 3,440
9	2-1/2" Dia Hot Water Pipe Tee	5	0%	5	EA	2.500	\$ 194.00	\$ 150.00	12.5	\$ 970	\$ 750	\$ 344	\$ 1,720
REDUCER													
1	1-1/4" / 3/4" Dia Hot Water Pipe Reducer	6	0%	6	EA	1.500	\$ 95.00	\$ 90.00	9.0	\$ 570	\$ 540	\$ 185	\$ 1,110
2	1-1/4" / 1" Dia Hot Water Pipe Reducer	4	0%	4	EA	1.500	\$ 95.00	\$ 90.00	6.0	\$ 380	\$ 360	\$ 185	\$ 740
3	2-1/2" / 3/4" Dia Hot Water Pipe Reducer	3	0%	3	EA	2.800	\$ 230.00	\$ 168.00	8.4	\$ 690	\$ 504	\$ 398	\$ 1,194
4	2-1/2" / 1-1/4" Dia Hot Water Pipe Reducer	2	0%	2	EA	2.800	\$ 230.00	\$ 168.00	5.6	\$ 460	\$ 336	\$ 398	\$ 796
HOT WATER RETURN PIPE													
Type L Copper Hard Drawn													
1	1/2" Dia Hot Water Return Pipe	15	10%	16	LFT	0.095	\$ 3.71	\$ 5.70	1.5	\$ 60	\$ 92	\$ 9	\$ 152
2	3/4" Dia Hot Water Return Pipe	647	10%	712	LFT	0.099	\$ 4.26	\$ 5.94	70.5	\$ 3,032	\$ 4,227	\$ 10	\$ 7,259
3	1" Dia Hot Water Return Pipe	138	10%	151	LFT	0.105	\$ 5.68	\$ 6.30	15.9	\$ 859	\$ 953	\$ 12	\$ 1,813
4	1-1/4" Dia Hot Water Return Pipe	316	10%	348	LFT	0.118	\$ 6.21	\$ 7.08	41.0	\$ 2,159	\$ 2,462	\$ 13	\$ 4,621
5	1-1/2" Dia Hot Water Return Pipe	250	10%	275	LFT	0.138	\$ 11.03	\$ 8.28	38.0	\$ 3,037	\$ 2,280	\$ 19	\$ 5,317
6	2" Dia Hot Water Return Pipe	29	10%	32	LFT	0.154	\$ 14.20	\$ 9.24	4.9	\$ 452	\$ 294	\$ 23	\$ 746
7	2-1/2" Dia Hot Water Return Pipe	128	10%	141	LFT	0.190	\$ 21.67	\$ 11.40	26.7	\$ 3,047	\$ 1,603	\$ 33	\$ 4,650
8	3" Dia Hot Water Return Pipe	143	10%	157	LFT	0.258	\$ 33.71	\$ 15.48	40.6	\$ 5,306	\$ 2,437	\$ 49	\$ 7,742
INSULATION													
1" Thick Fiber Glass Insulation W/ Kraft Paper Moisture Barrier													
1	1/2" Dia Hot Water Return Pipe	15	10%	16	LFT	0.064	\$ 1.42	\$ 3.84	1.0	\$ 23	\$ 62	\$ 5	\$ 85
2	3/4" Dia Hot Water Return Pipe	647	10%	712	LFT	0.067	\$ 1.65	\$ 4.02	47.7	\$ 1,174	\$ 2,861	\$ 6	\$ 4,035
3	1" Dia Hot Water Return Pipe	138	10%	151	LFT	0.070	\$ 1.98	\$ 4.20	10.6	\$ 300	\$ 635	\$ 6	\$ 935
4	1-1/4" Dia Hot Water Return Pipe	316	10%	348	LFT	0.074	\$ 2.20	\$ 4.44	25.7	\$ 765	\$ 1,544	\$ 7	\$ 2,309
5	1-1/2" Dia Hot Water Return Pipe	250	10%	275	LFT	0.080	\$ 2.48	\$ 4.80	22.0	\$ 683	\$ 1,322	\$ 7	\$ 2,005
6	2" Dia Hot Water Return Pipe	29	10%	32	LFT	0.084	\$ 2.81	\$ 5.04	2.7	\$ 89	\$ 160	\$ 8	\$ 250
7	2-1/2" Dia Hot Water Return Pipe	128	10%	141	LFT	0.086	\$ 3.26	\$ 5.16	12.1	\$ 458	\$ 726	\$ 8	\$ 1,184
8	3" Dia Hot Water Return Pipe	143	10%	157	LFT	0.090	\$ 3.95	\$ 5.40	14.2	\$ 622	\$ 850	\$ 9	\$ 1,472
HOT WATER RETURN PIPE FITTINGS													
ELBOW													
1	1/2" Dia Hot Water Return Pipe 90 Deg Elbow	3	0%	3	EA	0.450	\$ 21.20	\$ 27.00	1.4	\$ 64	\$ 81	\$ 48	\$ 145
2	3/4" Dia Hot Water Return Pipe 90 Deg Elbow	101	0%	101	EA	0.700	\$ 34.60	\$ 42.00	70.7	\$ 3,495	\$ 4,242	\$ 77	\$ 7,737
3	1" Dia Hot Water Return Pipe 90 Deg Elbow	19	0%	19	EA	0.950	\$ 48.90	\$ 57.00	18.1	\$ 929	\$ 1,083	\$ 106	\$ 2,012
4	1-1/4" Dia Hot Water Return Pipe 90 Deg Elbow	42	0%	42	EA	1.200	\$ 65.30	\$ 72.00	50.4	\$ 2,743	\$ 3,024	\$ 137	\$ 5,767
5	1-1/2" Dia Hot Water Return Pipe 90 Deg Elbow	24	0%	24	EA	1.600	\$ 84.20	\$ 96.00	38.4	\$ 2,021	\$ 2,304	\$ 180	\$ 4,325
6	2" Dia Hot Water Return Pipe 90 Deg Elbow	4	0%	4	EA	1.800	\$ 111.50	\$ 108.00	7.2	\$ 446	\$ 432	\$ 220	\$ 878
7	2-1/2" Dia Hot Water Return Pipe 90 Deg Elbow	11	0%	11	EA	2.200	\$ 160.20	\$ 132.00	24.2	\$ 1,762	\$ 1,452	\$ 292	\$ 3,214
8	3" Dia Hot Water Return Pipe 90 Deg Elbow	13	0%	13	EA	2.500	\$ 198.30	\$ 150.00	32.5	\$ 2,578	\$ 1,950	\$ 348	\$ 4,528
TEE													
1	3/4" Dia Hot Water Return Pipe Tee	25	0%	25	EA	0.800	\$ 52.00	\$ 48.00	20.0	\$ 1,300	\$ 1,200	\$ 100	\$ 2,500
2	1/2" Dia Hot Water Return Pipe Tee	2	0%	2	EA	0.500	\$ 28.00	\$ 30.00	1.0	\$ 56	\$ 60	\$ 58	\$ 116
3	3/4" / 1/2" Dia Hot Water Return Pipe Tee	9	0%	9	EA	0.800	\$ 52.00	\$ 48.00	7.2	\$ 468	\$ 432	\$ 100	\$ 900
4	1" Dia Hot Water Return Pipe Tee	4	0%	4	EA	1.000	\$ 60.00	\$ 60.00	4.0	\$ 240	\$ 240	\$ 120	\$ 480
5	1-1/4" / 1" Dia Hot Water Return Pipe Tee	6	0%	6	EA	1.250	\$ 78.00	\$ 75.00	7.5	\$ 468	\$ 450	\$ 153	\$ 918
6	1-1/4" Dia Hot Water Return Pipe Tee	8	0%	8	EA	1.250	\$ 78.00	\$ 75.00	10.0	\$ 624	\$ 600	\$ 153	\$ 1,224
7	2-1/2" / 1" Dia Hot Water Return Pipe Tee	3	0%	3	EA	2.500	\$ 194.00	\$ 150.00	7.5	\$ 582	\$ 450	\$ 344	\$ 1,032

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8	2-1/2" / 1-1/4" Dia Hot Water Return Pipe Tee	4	0%	4	EA	2.500	\$ 194.00	\$ 150.00	10.0	\$ 776	\$ 600	\$ 344	\$ 1,376
9	2-1/2" / 1-1/2" Dia Hot Water Return Pipe Tee	8	0%	8	EA	2.500	\$ 194.00	\$ 150.00	20.0	\$ 1,552	\$ 1,200	\$ 344	\$ 2,752
10	2-1/2" Dia Hot Water Return Pipe Tee	4	0%	4	EA	2.500	\$ 194.00	\$ 150.00	10.0	\$ 776	\$ 600	\$ 344	\$ 1,376
11	3" / 2-1/2" Dia Hot Water Return Pipe Tee	2	0%	2	EA	3.000	\$ 242.00	\$ 180.00	6.0	\$ 484	\$ 360	\$ 422	\$ 844
REDUCER													
1	1-1/2" / 1" Dia Hot Water Return Pipe Reducer	4	0%	4	EA	1.800	\$ 112.00	\$ 108.00	7.2	\$ 448	\$ 432	\$ 220	\$ 880
2	1" / 3/4" Dia Hot Water Return Pipe Reducer	3	0%	3	EA	1.200	\$ 76.00	\$ 72.00	3.6	\$ 228	\$ 216	\$ 148	\$ 444
SANITARY PIPE - BELOW SLAB													
SCHEDULE 40 PVC													
1	2" Dia Sanitary Pipe	230	10%	254	LFT	0.271	\$ 10.69	\$ 16.26	68.7	\$ 2,710	\$ 4,122	\$ 27	\$ 6,833
2	3" Dia Sanitary Pipe	391	10%	430	LFT	0.302	\$ 19.74	\$ 18.12	129.9	\$ 8,488	\$ 7,791	\$ 38	\$ 16,279
3	4" Dia Sanitary Pipe	1612	10%	1773	LFT	0.333	\$ 28.06	\$ 19.98	590.5	\$ 49,761	\$ 35,432	\$ 48	\$ 85,192
4	6" Dia Sanitary Pipe	57	10%	63	LFT	0.410	\$ 45.33	\$ 24.60	25.7	\$ 2,842	\$ 1,542	\$ 70	\$ 4,384
SANITARY PIPE FITTINGS													
ELBOW													
1	2" Dia Sanitary Pipe 45 Deg Elbow	22	0%	22	EA	1.000	\$ 88.00	\$ 60.00	22.0	\$ 1,936	\$ 1,320	\$ 148	\$ 3,256
2	2" Dia Sanitary Pipe 90 Deg Elbow	32	0%	32	EA	1.000	\$ 88.00	\$ 60.00	32.0	\$ 2,816	\$ 1,920	\$ 148	\$ 4,736
3	3" Dia Sanitary Pipe 45 Deg Elbow	42	0%	42	EA	1.500	\$ 125.00	\$ 90.00	63.0	\$ 5,250	\$ 3,780	\$ 215	\$ 9,030
4	3" Dia Sanitary Pipe 90 Deg Elbow	40	0%	40	EA	1.500	\$ 125.00	\$ 90.00	60.0	\$ 5,000	\$ 3,600	\$ 215	\$ 8,600
5	4" Dia Sanitary Pipe 45 Deg Elbow	162	0%	162	EA	2.000	\$ 172.00	\$ 120.00	324.0	\$ 27,864	\$ 19,440	\$ 292	\$ 47,304
6	4" Dia Sanitary Pipe 90 Deg Elbow	56	0%	56	EA	2.000	\$ 172.00	\$ 120.00	112.0	\$ 9,632	\$ 6,720	\$ 292	\$ 16,352
7	6" Dia Sanitary Pipe 45 Deg Elbow	6	0%	6	EA	3.000	\$ 238.00	\$ 180.00	18.0	\$ 1,428	\$ 1,080	\$ 418	\$ 2,508
8	6" Dia Sanitary Pipe 90 Deg Elbow	2	0%	2	EA	3.000	\$ 238.00	\$ 180.00	6.0	\$ 476	\$ 360	\$ 418	\$ 836
WYE													
1	2" Dia Sanitary Pipe Wye	9	0%	9	EA	1.200	\$ 105.00	\$ 72.00	10.8	\$ 945	\$ 648	\$ 177	\$ 1,593
2	3" Dia Sanitary Pipe Wye	10	0%	10	EA	1.800	\$ 142.00	\$ 108.00	18.0	\$ 1,420	\$ 1,080	\$ 250	\$ 2,500
3	4" Dia Sanitary Pipe Wye	54	0%	54	EA	2.200	\$ 191.00	\$ 132.00	118.8	\$ 10,314	\$ 7,128	\$ 323	\$ 17,442
4	6" Dia Sanitary Pipe Wye	2	0%	2	EA	3.500	\$ 290.00	\$ 210.00	7.0	\$ 580	\$ 420	\$ 500	\$ 1,000
5	3" / 2" Dia Sanitary Pipe Wye	16	0%	16	EA	1.800	\$ 142.00	\$ 108.00	28.8	\$ 2,272	\$ 1,728	\$ 250	\$ 4,000
6	4" / 2" Dia Sanitary Pipe Wye	45	0%	45	EA	2.200	\$ 191.00	\$ 132.00	99.0	\$ 8,595	\$ 5,940	\$ 323	\$ 14,535
7	4" / 3" Dia Sanitary Pipe Wye	26	0%	26	EA	2.200	\$ 191.00	\$ 132.00	57.2	\$ 4,966	\$ 3,432	\$ 323	\$ 8,398
8	6" / 4" Dia Sanitary Pipe Wye	4	0%	4	EA	3.500	\$ 290.00	\$ 210.00	14.0	\$ 1,160	\$ 840	\$ 500	\$ 2,000
REDUCER													
1	3" / 2" Dia Sanitary Pipe Reducer	23	0%	23	EA	2.000	\$ 155.00	\$ 120.00	46.0	\$ 3,565	\$ 2,760	\$ 275	\$ 6,325
SANITARY PIPE - ABOVE SLAB													
Hubless Cast Iron													
1	1-1/2" Dia Sanitary Pipe	40	10%	44	LFT	0.225	\$ 14.10	\$ 13.50	10.0	\$ 627	\$ 601	\$ 28	\$ 1,228
2	2" Dia Sanitary Pipe	380	10%	418	LFT	0.242	\$ 18.20	\$ 14.52	101.1	\$ 7,604	\$ 6,066	\$ 33	\$ 13,670
3	3" Dia Sanitary Pipe	189	10%	208	LFT	0.254	\$ 23.11	\$ 15.24	52.8	\$ 4,802	\$ 3,166	\$ 38	\$ 7,968
4	4" Dia Sanitary Pipe	1568	10%	1725	LFT	0.281	\$ 29.85	\$ 16.86	484.8	\$ 51,497	\$ 29,087	\$ 47	\$ 80,583
SANITARY PIPE FITTINGS													
ELBOW													
1	1-1/2" Dia Sanitary Pipe 45 Deg Elbow	8	0%	8	EA	1.000	\$ 90.00	\$ 60.00	8.0	\$ 720	\$ 480	\$ 150	\$ 1,200

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
WYE													
1	1-1/2" Dia Sanitary Pipe Wye	8	0%	8	EA	1.250	\$ 108.00	\$ 75.00	10.0	\$ 864	\$ 600	\$ 183	\$ 1,464
2	2" / 1-1/2" Dia Sanitary Pipe Wye	8	0%	8	EA	1.500	\$ 136.00	\$ 90.00	12.0	\$ 1,088	\$ 720	\$ 226	\$ 1,808
3	2" Dia Sanitary Pipe Wye	24	0%	24	EA	1.500	\$ 136.00	\$ 90.00	36.0	\$ 3,264	\$ 2,160	\$ 226	\$ 5,424
4	3" Dia Sanitary Pipe Wye	3	0%	3	EA	2.200	\$ 181.00	\$ 132.00	6.6	\$ 543	\$ 396	\$ 313	\$ 939
5	4" Dia Sanitary Pipe Wye	48	0%	48	EA	3.500	\$ 282.00	\$ 210.00	168.0	\$ 13,536	\$ 10,080	\$ 492	\$ 23,616
6	3" / 2" Dia Sanitary Pipe Wye	15	0%	15	EA	2.200	\$ 181.00	\$ 132.00	33.0	\$ 2,715	\$ 1,980	\$ 313	\$ 4,695
7	4" / 3" Dia Sanitary Pipe Wye	27	0%	27	EA	3.500	\$ 282.00	\$ 210.00	94.5	\$ 7,614	\$ 5,670	\$ 492	\$ 13,284
8	4" / 2" Dia Sanitary Pipe Wye	36	0%	36	EA	3.500	\$ 282.00	\$ 210.00	126.0	\$ 10,152	\$ 7,560	\$ 492	\$ 17,712
REDUCER													
1	4" / 2" Dia Sanitary Pipe Reducer	5	0%	5	EA	4.000	\$ 345.00	\$ 240.00	20.0	\$ 1,725	\$ 1,200	\$ 585	\$ 2,925
2	4" / 3" Dia Sanitary Pipe Reducer	8	0%	8	EA	4.000	\$ 345.00	\$ 240.00	32.0	\$ 2,760	\$ 1,920	\$ 585	\$ 4,680
GREASE WASTE PIPE - BELOW SLAB													
Hubless Cast Iron													
1	3" Dia Grease Waste Pipe	14	10%	15	LFT	0.254	\$ 23.11	\$ 15.24	3.8	\$ 343	\$ 226	\$ 38	\$ 570
2	4" Dia Grease Waste Pipe	471	10%	518	LFT	0.281	\$ 29.85	\$ 16.86	145.6	\$ 15,462	\$ 8,733	\$ 47	\$ 24,196
INSULATION													
1" Thick Fiber Glass Insulation W/ Kraft Paper Moisture Barrier													
1	3" Dia Grease Waste Pipe	14	10%	15	LFT	0.090	\$ 3.95	\$ 5.40	1.3	\$ 59	\$ 80	\$ 9	\$ 139
2	4" Dia Grease Waste Pipe	471	10%	518	LFT	0.100	\$ 4.48	\$ 6.00	51.8	\$ 2,321	\$ 3,108	\$ 10	\$ 5,429
HEAT TRACE													
1	Heat Trace Cable	484	10%	533	LFT	0.250	\$ 10.20	\$ 15.00	133.2	\$ 5,435	\$ 7,993	\$ 25	\$ 13,428
GREASE WASTE PIPE FITTINGS													
ELBOW													
1	3" Dia Grease Waste Pipe 45 Deg Elbow	3	0%	3	EA	2.000	\$ 170.00	\$ 120.00	6.0	\$ 510	\$ 360	\$ 290	\$ 870
2	3" Dia Grease Waste Pipe 90 Deg Elbow	3	0%	3	EA	2.000	\$ 170.00	\$ 120.00	6.0	\$ 510	\$ 360	\$ 290	\$ 870
3	4" Dia Grease Waste Pipe 45 Deg Elbow	37	0%	37	EA	3.000	\$ 241.00	\$ 180.00	111.0	\$ 8,917	\$ 6,660	\$ 421	\$ 15,577
4	4" Dia Grease Waste Pipe 90 Deg Elbow	28	0%	28	EA	3.000	\$ 241.00	\$ 180.00	84.0	\$ 6,748	\$ 5,040	\$ 421	\$ 11,788
WYE													
1	3" Dia Grease Waste Pipe Wye	1	0%	1	EA	2.200	\$ 181.00	\$ 132.00	2.2	\$ 181	\$ 132	\$ 313	\$ 313
2	4" Dia Grease Waste Pipe Wye	21	0%	21	EA	3.500	\$ 282.00	\$ 210.00	73.5	\$ 5,922	\$ 4,410	\$ 492	\$ 10,332
3	4" / 3" Dia Grease Waste Pipe Wye	1	0%	1	EA	3.500	\$ 282.00	\$ 210.00	3.5	\$ 282	\$ 210	\$ 492	\$ 492
REDUCER													
1	4" / 3" Dia Grease Waste Pipe Reducer	1	0%	1	EA	4.000	\$ 345.00	\$ 240.00	4.0	\$ 345	\$ 240	\$ 585	\$ 585
GREASE WASTE PIPE - ABOVE SLAB													
Hubless Cast Iron													
1	4" Dia Grease Waste Pipe	78	10%	86	LFT	0.281	\$ 29.85	\$ 16.86	24.1	\$ 2,565	\$ 1,449	\$ 47	\$ 4,013
GREASE WASTE PIPE FITTINGS													
ELBOW													
1	4" Dia Grease Waste Pipe 45 Deg Elbow	9	0%	9	EA	3.000	\$ 241.00	\$ 180.00	27.0	\$ 2,169	\$ 1,620	\$ 421	\$ 3,789
2	4" Dia Grease Waste Pipe 90 Deg Elbow	6	0%	6	EA	3.000	\$ 241.00	\$ 180.00	18.0	\$ 1,446	\$ 1,080	\$ 421	\$ 2,526

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
VENT PIPE - BELOW SLAB													
SCHEDULE 40 PVC													
1	2" Dia Vent Pipe	782	10%	860	LFT	0.271	\$ 10.69	\$ 16.26	233.1	\$ 9,193	\$ 13,983	\$ 27	\$ 23,176
VENT PIPE FITTINGS													
ELBOW													
1	2" Dia Vent Pipe 45 Deg Elbow	136	0%	136	EA	1.200	\$ 105.00	\$ 72.00	163.2	\$ 14,280	\$ 9,792	\$ 177	\$ 24,072
2	2" Dia Vent Pipe 90 Deg Elbow	112	0%	112	EA	1.200	\$ 105.00	\$ 72.00	134.4	\$ 11,760	\$ 8,064	\$ 177	\$ 19,824
TEE													
1	2" Dia Vent Pipe Tee	42	0%	42	EA	1.500	\$ 128.00	\$ 90.00	63.0	\$ 5,376	\$ 3,780	\$ 218	\$ 9,156
VENT PIPE - ABOVE GROUND													
Hubless Cast Iron													
1	1-1/2" Dia Vent Pipe	13	10%	14	LFT	0.225	\$ 14.10	\$ 13.50	3.1	\$ 196	\$ 187	\$ 28	\$ 383
2	2" Dia Vent Pipe	2228	10%	2451	LFT	0.242	\$ 18.20	\$ 14.52	593.2	\$ 44,612	\$ 35,592	\$ 33	\$ 80,203
3	3" Dia Vent Pipe	180	10%	198	LFT	0.254	\$ 23.11	\$ 15.24	50.2	\$ 4,569	\$ 3,013	\$ 38	\$ 7,581
VENT PIPE FITTINGS													
ELBOW													
1	1-1/2" Dia Vent Pipe 45 Deg Elbow	2	0%	2	EA	1.000	\$ 90.00	\$ 60.00	2.0	\$ 180	\$ 120	\$ 150	\$ 300
2	1-1/2" Dia Vent Pipe 90 Deg Elbow	2	0%	2	EA	1.000	\$ 90.00	\$ 60.00	2.0	\$ 180	\$ 120	\$ 150	\$ 300
3	2" Dia Vent Pipe 45 Deg Elbow	232	0%	232	EA	1.400	\$ 118.00	\$ 84.00	324.8	\$ 27,376	\$ 19,488	\$ 202	\$ 46,864
4	2" Dia Vent Pipe 90 Deg Elbow	184	0%	184	EA	1.400	\$ 118.00	\$ 84.00	257.6	\$ 21,712	\$ 15,456	\$ 202	\$ 37,168
5	3" Dia Vent Pipe 90 Deg Elbow	23	0%	23	EA	2.000	\$ 170.00	\$ 120.00	46.0	\$ 3,910	\$ 2,760	\$ 290	\$ 6,670
TEE													
1	2" Dia Vent Pipe Tee	85	0%	85	EA	1.500	\$ 135.00	\$ 90.00	127.5	\$ 11,475	\$ 7,650	\$ 225	\$ 19,125
2	2"/ 1-1/2" Dia Vent Pipe Tee	1	0%	1	EA	1.500	\$ 135.00	\$ 90.00	1.5	\$ 135	\$ 90	\$ 225	\$ 225
3	3"/2" Dia Vent Pipe Tee	13	0%	13	EA	2.500	\$ 198.00	\$ 150.00	32.5	\$ 2,574	\$ 1,950	\$ 348	\$ 4,524
REDUCER													
1	3"/2" Dia Vent Pipe Reducer	22	0%	22	EA	3.000	\$ 242.00	\$ 180.00	66.0	\$ 5,324	\$ 3,960	\$ 422	\$ 9,284
SIPHONIC STORM PIPE - UNDER SLAB													
Hubless Cast Iron													
1	3" Dia Siphonic Storm Pipe	14	10%	16	LFT	0.254	\$ 23.11	\$ 15.24	4.0	\$ 364	\$ 240	\$ 38	\$ 604
2	4" Dia Siphonic Storm Pipe	165	10%	182	LFT	0.281	\$ 29.85	\$ 16.86	51.1	\$ 5,428	\$ 3,066	\$ 47	\$ 8,493
3	5" Dia Siphonic Storm Pipe	65	10%	71	LFT	0.304	\$ 38.62	\$ 18.24	21.6	\$ 2,743	\$ 1,296	\$ 57	\$ 4,039
4	15" Dia Siphonic Storm Pipe	50	10%	55	LFT	0.800	\$ 287.94	\$ 48.00	44.0	\$ 15,837	\$ 2,640	\$ 336	\$ 18,477
5	18" Dia Siphonic Storm Pipe	40	10%	44	LFT	0.968	\$ 411.20	\$ 58.08	43.0	\$ 18,278	\$ 2,582	\$ 469	\$ 20,860
INSULATION													
1" Thick Fiber Glass Insulation W/ Kraft Paper Moisture Barrier													
1	3" Dia Siphonic Storm Pipe	14	10%	16	LFT	0.090	\$ 3.95	\$ 5.40	1.4	\$ 62	\$ 85	\$ 9	\$ 147
2	4" Dia Siphonic Storm Pipe	165	10%	182	LFT	0.100	\$ 4.48	\$ 6.00	18.2	\$ 815	\$ 1,091	\$ 10	\$ 1,906
3	5" Dia Siphonic Storm Pipe	65	10%	71	LFT	0.114	\$ 6.20	\$ 6.84	8.1	\$ 440	\$ 486	\$ 13	\$ 926
4	15" Dia Siphonic Storm Pipe	50	10%	55	LFT	0.180	\$ 14.10	\$ 10.80	9.9	\$ 776	\$ 594	\$ 25	\$ 1,370
5	18" Dia Siphonic Storm Pipe	40	10%	44	LFT	0.225	\$ 22.30	\$ 13.50	10.0	\$ 991	\$ 600	\$ 36	\$ 1,591

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
SIPHONIC STORM PIPE FITTINGS													
ELBOW													
1	3" Dia Siphonic Storm Pipe 45 Deg Elbow	2	0%	2	EA	2.000	\$ 170.00	\$ 120.00	4.0	\$ 340	\$ 240	\$ 290	\$ 580
2	3" Dia Siphonic Storm Pipe 90 Deg Elbow	2	0%	2	EA	2.000	\$ 170.00	\$ 120.00	4.0	\$ 340	\$ 240	\$ 290	\$ 580
3	4" Dia Siphonic Storm Pipe 45 Deg Elbow	14	0%	14	EA	3.000	\$ 241.00	\$ 180.00	42.0	\$ 3,374	\$ 2,520	\$ 421	\$ 5,894
4	4" Dia Siphonic Storm Pipe 90 Deg Elbow	6	0%	6	EA	3.000	\$ 241.00	\$ 180.00	18.0	\$ 1,446	\$ 1,080	\$ 421	\$ 2,526
5	5" Dia Siphonic Storm Pipe 45 Deg Elbow	5	0%	5	EA	3.500	\$ 292.00	\$ 210.00	17.5	\$ 1,460	\$ 1,050	\$ 502	\$ 2,510
6	5" Dia Siphonic Storm Pipe 90 Deg Elbow	2	0%	2	EA	3.500	\$ 292.00	\$ 210.00	7.0	\$ 584	\$ 420	\$ 502	\$ 1,004
7	15" Dia Siphonic Storm Pipe 45 Deg Elbow	4	0%	4	EA	8.000	\$ 516.00	\$ 480.00	32.0	\$ 2,064	\$ 1,920	\$ 996	\$ 3,984
8	18" Dia Siphonic Storm Pipe 45 Deg Elbow	3	0%	3	EA	10.000	\$ 672.00	\$ 600.00	30.0	\$ 2,016	\$ 1,800	\$ 1,272	\$ 3,816
WYE													
1	3" Dia Siphonic Storm Pipe Wye	1	0%	1	EA	2.200	\$ 181.00	\$ 132.00	2.2	\$ 181	\$ 132	\$ 313	\$ 313
2	4" Dia Siphonic Storm Pipe Wye	6	0%	6	EA	3.500	\$ 282.00	\$ 210.00	21.0	\$ 1,692	\$ 1,260	\$ 492	\$ 2,952
3	4"/3" Dia Siphonic Storm Pipe Wye	1	0%	1	EA	3.500	\$ 282.00	\$ 210.00	3.5	\$ 282	\$ 210	\$ 492	\$ 492
4	5" Dia Siphonic Storm Pipe Wye	2	0%	2	EA	4.000	\$ 361.00	\$ 240.00	8.0	\$ 722	\$ 480	\$ 601	\$ 1,202
5	5"/4" Dia Siphonic Storm Pipe Wye	4	0%	4	EA	4.000	\$ 361.00	\$ 240.00	16.0	\$ 1,444	\$ 960	\$ 601	\$ 2,404
REDUCER													
1	18"/15" Dia Siphonic Storm Pipe Wye	1	0%	1	EA	12.000	\$ 745.00	\$ 720.00	12.0	\$ 745	\$ 720	\$ 1,465	\$ 1,465
SIPHONIC STORM PIPE - ABOVE SLAB													
Hubless Cast Iron													
1	3" Dia Siphonic Storm Pipe	2432	10%	2675	LFT	0.254	\$ 23.11	\$ 15.24	679.5	\$ 61,824	\$ 40,770	\$ 38	\$ 102,594
2	4" Dia Siphonic Storm Pipe	220	10%	242	LFT	0.281	\$ 29.85	\$ 16.86	67.9	\$ 7,217	\$ 4,077	\$ 47	\$ 11,294
3	5" Dia Siphonic Storm Pipe	183	10%	202	LFT	0.304	\$ 38.62	\$ 18.24	61.4	\$ 7,794	\$ 3,681	\$ 57	\$ 11,475
4	6" Dia Siphonic Storm Pipe	5	10%	6	LFT	0.320	\$ 51.04	\$ 19.20	1.8	\$ 294	\$ 110	\$ 70	\$ 404
STORM PIPE FITTINGS													
ELBOW													
1	3" Dia Siphonic Storm Pipe 45 Deg Elbow	191	0%	191	EA	2.000	\$ 170.00	\$ 120.00	382.0	\$ 32,470	\$ 22,920	\$ 290	\$ 55,390
2	3" Dia Siphonic Storm Pipe 90 Deg Elbow	123	0%	123	EA	2.000	\$ 170.00	\$ 120.00	246.0	\$ 20,910	\$ 14,760	\$ 290	\$ 35,670
3	4" Dia Siphonic Storm Pipe 45 Deg Elbow	23	0%	23	EA	3.000	\$ 241.00	\$ 180.00	69.0	\$ 5,543	\$ 4,140	\$ 421	\$ 9,683
4	4" Dia Siphonic Storm Pipe 90 Deg Elbow	10	0%	10	EA	3.000	\$ 241.00	\$ 180.00	30.0	\$ 2,410	\$ 1,800	\$ 421	\$ 4,210
5	5" Dia Siphonic Storm Pipe 45 Deg Elbow	16	0%	16	EA	3.500	\$ 292.00	\$ 210.00	56.0	\$ 4,672	\$ 3,360	\$ 502	\$ 8,032
6	5" Dia Siphonic Storm Pipe 90 Deg Elbow	5	0%	5	EA	3.500	\$ 292.00	\$ 210.00	17.5	\$ 1,460	\$ 1,050	\$ 502	\$ 2,510
7	6" Dia Siphonic Storm Pipe 45 Deg Elbow	1	0%	1	EA	4.200	\$ 361.00	\$ 252.00	4.2	\$ 361	\$ 252	\$ 613	\$ 613
WYE													
1	3" Dia Siphonic Storm Pipe Wye	69	0%	69	EA	2.200	\$ 181.00	\$ 132.00	151.8	\$ 12,489	\$ 9,108	\$ 313	\$ 21,597
2	4" Dia Siphonic Storm Pipe Wye	11	0%	11	EA	3.500	\$ 282.00	\$ 210.00	38.5	\$ 3,102	\$ 2,310	\$ 492	\$ 5,412
3	4"/3" Dia Siphonic Storm Pipe Wye	9	0%	9	EA	3.500	\$ 282.00	\$ 210.00	31.5	\$ 2,538	\$ 1,890	\$ 492	\$ 4,428
4	5" Dia Siphonic Storm Pipe Wye	4	0%	4	EA	4.000	\$ 361.00	\$ 240.00	16.0	\$ 1,444	\$ 960	\$ 601	\$ 2,404
5	5"/4" Dia Siphonic Storm Pipe Wye	5	0%	5	EA	4.000	\$ 361.00	\$ 240.00	20.0	\$ 1,805	\$ 1,200	\$ 601	\$ 3,005
REDUCER													
1	6"/5" Dia Siphonic Storm Pipe Wye	1	0%	1	EA	5.500	\$ 448.00	\$ 330.00	5.5	\$ 448	\$ 330	\$ 778	\$ 778
OVERFLOW DRAIN PIPE													
Hubless Cast Iron													

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
1	3" Dia Overflow Drain Pipe	2339	10%	2573	LFT	0.254	\$ 23.11	\$ 15.24	653.5	\$ 59,458	\$ 39,210	\$ 38	\$ 98,668
2	4" Dia Overflow Drain Pipe	435	10%	478	LFT	0.281	\$ 29.85	\$ 16.86	134.4	\$ 14,273	\$ 8,062	\$ 47	\$ 22,334
3	5" Dia Overflow Drain Pipe	190	10%	209	LFT	0.304	\$ 38.62	\$ 18.24	63.5	\$ 8,061	\$ 3,807	\$ 57	\$ 11,869
4	6" Dia Overflow Drain Pipe	7	10%	8	LFT	0.320	\$ 51.04	\$ 19.20	2.6	\$ 417	\$ 157	\$ 70	\$ 574
5	8" Dia Overflow Drain Pipe	14	10%	16	LFT	0.516	\$ 83.78	\$ 30.96	8.1	\$ 1,319	\$ 487	\$ 115	\$ 1,806
OVERFLOW DRAIN STORM PIPE FITTINGS													
ELBOW													
1	3" Dia Overflow Drain Pipe 45 Deg Elbow	143	0%	143	EA	2.000	\$ 170.00	\$ 120.00	286.0	\$ 24,310	\$ 17,160	\$ 290	\$ 41,470
2	3" Dia Overflow Drain Pipe 90 Deg Elbow	58	0%	58	EA	2.000	\$ 170.00	\$ 120.00	116.0	\$ 9,860	\$ 6,960	\$ 290	\$ 16,820
3	4" Dia Overflow Drain Pipe 45 Deg Elbow	30	0%	30	EA	3.000	\$ 241.00	\$ 180.00	90.0	\$ 7,230	\$ 5,400	\$ 421	\$ 12,630
4	4" Dia Overflow Drain Pipe 90 Deg Elbow	18	0%	18	EA	3.000	\$ 241.00	\$ 180.00	54.0	\$ 4,338	\$ 3,240	\$ 421	\$ 7,578
5	5" Dia Overflow Drain Pipe 45 Deg Elbow	8	0%	8	EA	3.500	\$ 292.00	\$ 210.00	28.0	\$ 2,336	\$ 1,680	\$ 502	\$ 4,016
6	5" Dia Overflow Drain Pipe 90 Deg Elbow	4	0%	4	EA	3.500	\$ 292.00	\$ 210.00	14.0	\$ 1,168	\$ 840	\$ 502	\$ 2,008
7	6" Dia Overflow Drain Pipe 45 Deg Elbow	1	0%	1	EA	4.200	\$ 361.00	\$ 252.00	4.2	\$ 361	\$ 252	\$ 613	\$ 613
8	8" Dia Overflow Drain Pipe 45 Deg Elbow	1	0%	1	EA	5.500	\$ 492.00	\$ 330.00	5.5	\$ 492	\$ 330	\$ 822	\$ 822
WYE													
1	3" Dia Overflow Drain Pipe Wye	42	0%	42	EA	2.200	\$ 181.00	\$ 132.00	92.4	\$ 7,602	\$ 5,544	\$ 313	\$ 13,146
2	4"/3" Dia Overflow Drain Pipe Wye	10	0%	10	EA	3.500	\$ 282.00	\$ 210.00	35.0	\$ 2,820	\$ 2,100	\$ 492	\$ 4,920
3	4" Dia Overflow Drain Pipe Wye	12	0%	12	EA	3.500	\$ 282.00	\$ 210.00	42.0	\$ 3,384	\$ 2,520	\$ 492	\$ 5,904
4	5" Dia Overflow Drain Pipe Wye	3	0%	3	EA	4.000	\$ 361.00	\$ 240.00	12.0	\$ 1,083	\$ 720	\$ 601	\$ 1,803
5	5"/4" Dia Overflow Drain Pipe Wye	5	0%	5	EA	4.000	\$ 361.00	\$ 240.00	20.0	\$ 1,805	\$ 1,200	\$ 601	\$ 3,005
5	6"/5" Dia Overflow Drain Pipe Wye	1	0%	1	EA	5.000	\$ 470.00	\$ 300.00	5.0	\$ 470	\$ 300	\$ 770	\$ 770
6	8"/6" Dia Overflow Drain Pipe Wye	1	0%	1	EA	6.200	\$ 618.00	\$ 372.00	6.2	\$ 618	\$ 372	\$ 990	\$ 990
GRAVITY STORM PIPE - ABOVE SLAB													
Hubless Cast Iron													
1	3" Dia Gravity Storm Pipe	30	10%	33	LFT	0.254	\$ 23.11	\$ 15.24	8.4	\$ 763	\$ 503	\$ 38	\$ 1,266
STORM PIPE FITTINGS													
ELBOW													
1	3" Dia Storm Pipe 45 Deg Elbow	4	0%	4	EA	2.000	\$ 170.00	\$ 120.00	8.0	\$ 680	\$ 480	\$ 290	\$ 1,160
2	3" Dia Storm Pipe 90 Deg Elbow	2	0%	2	EA	2.000	\$ 170.00	\$ 120.00	4.0	\$ 340	\$ 240	\$ 290	\$ 580
WYE													
1	3" Dia Storm Pipe Wye	2	0%	2	EA	2.200	\$ 181.00	\$ 132.00	4.4	\$ 362	\$ 264	\$ 313	\$ 626
EJECTOR PUMP DISCHARGE (EPD) PIPE BELOW SLAB													
SCH 40 PVC													
1	2" Dia Ejector Pump Discharge Pipe	134	10%	147	LFT	0.271	\$ 10.69	\$ 16.26	39.8	\$ 1,572	\$ 2,391	\$ 27	\$ 3,962
EJECTOR PUMP DISCHARGE PIPE FITTINGS													
ELBOW													
1	2" Dia Ejector Pump Discharge Pipe 45 Deg Elbow	16	0%	16	EA	1.000	\$ 88.00	\$ 60.00	16.0	\$ 1,408	\$ 960	\$ 148	\$ 2,368
2	2" Dia Ejector Pump Discharge Pipe 90 Deg Elbow	6	0%	6	EA	1.000	\$ 88.00	\$ 60.00	6.0	\$ 528	\$ 360	\$ 148	\$ 888
WYE													
1	2" Dia Ejector Pump Discharge Pipe Wye	4	0%	4	EA	1.200	\$ 105.00	\$ 72.00	4.8	\$ 420	\$ 288	\$ 177	\$ 708

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
GREASE INTERCEPTOR													
1	GI, G-101, Grease Waste SCHIER GB-250, Loading Dock Area	1	0%	1	EA	6.000	\$ 2,230.00	\$ 360.00	6.0	\$ 2,230	\$ 360	\$ 2,590	\$ 2,590
PUMP													
1	SP-G101, Elevator Sump Pump, ZOELLER 153, Elevator Shaft	1	0%	1	EA	10.000	\$ 1,985.00	\$ 600.00	10.0	\$ 1,985	\$ 600	\$ 2,585	\$ 2,585
2	SP-G102, Elevator Sump Pump, ZOELLER 153, Elevator Shaft	1	0%	1	EA	10.000	\$ 1,985.00	\$ 600.00	10.0	\$ 1,985	\$ 600	\$ 2,585	\$ 2,585
3	SP-G103, Elevator Sump Pump, ZOELLER 153, Elevator Shaft	1	0%	1	EA	10.000	\$ 1,985.00	\$ 600.00	10.0	\$ 1,985	\$ 600	\$ 2,585	\$ 2,585
4	SP-G104, Elevator Sump Pump, ZOELLER 153, Elevator Shaft	1	0%	1	EA	10.000	\$ 1,985.00	\$ 600.00	10.0	\$ 1,985	\$ 600	\$ 2,585	\$ 2,585
5	SP-G105, Elevator Sump Pump, ZOELLER 153, Elevator Shaft	1	0%	1	EA	10.000	\$ 1,985.00	\$ 600.00	10.0	\$ 1,985	\$ 600	\$ 2,585	\$ 2,585

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
1	1-1/2" Dia Coupling	83	0%	83	EA	0.140	\$ 2.20	\$ 8.40	11.6	\$ 183	\$ 697	\$ 11	\$ 880
2	2" Dia Coupling	1438	0%	1438	EA	0.148	\$ 2.74	\$ 8.88	212.8	\$ 3,940	\$ 12,769	\$ 12	\$ 16,710
3	3" Dia Coupling	1671	0%	1671	EA	0.160	\$ 3.02	\$ 9.60	267.4	\$ 5,046	\$ 16,042	\$ 13	\$ 21,088
4	4" Dia Coupling	1225	0%	1225	EA	0.175	\$ 3.48	\$ 10.50	214.4	\$ 4,263	\$ 12,863	\$ 14	\$ 17,126
5	5" Dia Coupling	133	0%	133	EA	0.200	\$ 3.91	\$ 12.00	26.6	\$ 520	\$ 1,596	\$ 16	\$ 2,116

SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT LABOR HOURS	UNIT MATERIAL COST	UNIT LABOR COST	TOTAL LABOR HOURS	TOTAL MATERIAL COST	TOTAL LABOR COST	UNIT ITEM COST	TOTAL COST
6	6" Dia Coupling	7	0%	7	EA	0.242	\$ 4.26	\$ 14.52	1.7	\$ 30	\$ 102	\$ 19	\$ 131
7	8" Dia Coupling	4	0%	4	EA	0.285	\$ 4.84	\$ 17.10	1.1	\$ 19	\$ 68	\$ 22	\$ 88
8	15" Dia Coupling	9	0%	9	EA	2.200	\$ 5.30	\$ 132.00	19.8	\$ 48	\$ 1,188	\$ 137	\$ 1,236
9	18" Dia Coupling	7	0%	7	EA	3.000	\$ 5.95	\$ 180.00	21.0	\$ 42	\$ 1,260	\$ 186	\$ 1,302
PIPE SUPPORT													
1	1/2" Dia Adjustable Clevis Hanger	62	0%	62	EA	0.117	\$ 1.48	\$ 7.02	7.2	\$ 92	\$ 434	\$ 9	\$ 526
2	3/4" Dia Adjustable Clevis Hanger	461	0%	461	EA	0.119	\$ 1.59	\$ 7.14	54.9	\$ 733	\$ 3,292	\$ 9	\$ 4,025
3	1" Dia Adjustable Clevis Hanger	94	0%	94	EA	0.121	\$ 1.52	\$ 7.26	11.4	\$ 143	\$ 682	\$ 9	\$ 825
4	1-1/4" Dia Adjustable Clevis Hanger	154	0%	154	EA	0.124	\$ 1.68	\$ 7.44	19.0	\$ 258	\$ 1,142	\$ 9	\$ 1,400
5	1-1/2" Dia Adjustable Clevis Hanger	93	0%	93	EA	0.127	\$ 1.77	\$ 7.62	11.8	\$ 165	\$ 710	\$ 9	\$ 875
6	2" Dia Adjustable Clevis Hanger	298	0%	298	EA	0.129	\$ 2.11	\$ 7.74	38.4	\$ 629	\$ 2,307	\$ 10	\$ 2,935
7	2-1/2" Dia Adjustable Clevis Hanger	85	0%	85	EA	0.133	\$ 3.36	\$ 8.00	11.3	\$ 286	\$ 680	\$ 11	\$ 965
8	3" Dia Adjustable Clevis Hanger	267	0%	267	EA	0.137	\$ 4.10	\$ 8.22	36.6	\$ 1,095	\$ 2,195	\$ 12	\$ 3,289
9	4" Dia Adjustable Clevis Hanger	125	0%	125	EA	0.145	\$ 5.07	\$ 8.70	18.1	\$ 634	\$ 1,088	\$ 14	\$ 1,721
10	3/8" Dia Threaded Rod (1 Ea = 1 FT)	770	0%	770	EA	0.150	\$ 6.84	\$ 9.00	115.5	\$ 5,267	\$ 6,930	\$ 16	\$ 12,197
11	5/8" Dia Threaded Rod (1 Ea = 1 FT)	868	0%	868	EA	0.167	\$ 10.20	\$ 10.02	145.0	\$ 8,854	\$ 8,697	\$ 20	\$ 17,551
ALLOWANCE													
1	Mobilization & De-Mobilization	1	0%	1	LS	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
2	Plumbing Piping Leak/Pressure Testing	1	0%	1	LS	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
3	Allowance For The Removal Of The Piping While Demolition	1	0%	1	LS	0.000	\$ -	\$ -	0.0	\$ -	\$ -	\$ -	\$ -
TOTAL MATERIAL COST											\$	1,412,033	
TOTAL LABOR COST											\$	977,119	
TOTAL LABOR HOURS												16285	
TOTAL COST											\$	2,389,152	
OVERHEADS & PROFIT											25%	\$	597,288
TOTAL BID											\$	2,986,440	