



SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	MATERIAL COST	MANHOURS UNIT RATE	MANHOUR UNIT RATE		TOTAL TRADE COST
									MANHOURS	MANHOURS COST	
DEMOLITION WORK											
1	Demolish Existing (3) Domestic Water Heaters, Recirculation Pumps, And All Associated Domestic Water And Gas Piping. Cut And Cap At Crawlspace Below. Prep Piping for Connections to New Domestic Hot Water Equipment	1	0%	1	EA		\$ -	\$ 75	36	\$ 2,700	\$ 2,700
2	Demolish Existing Plumbing Fixtures (Clothes Washers, Dryers, Drinking Fountain, Hand Sink, Etc.) In Laundry and Storage Rooms Completely. Cut and Cap All Associated Sanitary, Vent, Domestic Water, and Gas Piping At Crawlspace Below.	1	0%	1	EA		\$ -	\$ 75	24	\$ 1,800	\$ 1,800
3	Water Closet Demolition	60	0%	60	EA		\$ -	\$ 75	135	\$ 10,125	\$ 10,125
4	Lavatory Demolition	60	0%	60	EA		\$ -	\$ 75	135	\$ 10,125	\$ 10,125
5	Bath Tub Demolition	60	0%	60	EA		\$ -	\$ 75	135	\$ 10,125	\$ 10,125
COLD WATER PIPE DEMOLITION W/ FITTINGS											
Type "L" Hard Copper Tube											
1	3" Dia Cold Water Pipe	225	0%	225	LFT		\$ -	\$ 75	23	\$ 1,688	\$ 1,688
2	3/4" Dia Cold Water Pipe	1825	0%	1825	LFT		\$ -	\$ 75	37	\$ 2,738	\$ 2,738
3	1" Dia Cold Water Pipe	805	0%	805	LFT		\$ -	\$ 75	24	\$ 1,811	\$ 1,811
4	1/2" Dia Cold Water Pipe	443	0%	443	LFT		\$ -	\$ 75	9	\$ 665	\$ 665
HOT WATER PIPE DEMOLITION W/ FITTINGS											
Type "L" Hard Copper Tube											
1	3" Dia Hot Water Pipe	100	0%	100	LFT		\$ -	\$ 75	10	\$ 750	\$ 750
2	3/4" Dia Cold Water Pipe	1392	0%	1392	LFT		\$ -	\$ 75	28	\$ 2,088	\$ 2,088
3	1" Dia Cold Water Pipe	805	0%	805	LFT		\$ -	\$ 75	24	\$ 1,811	\$ 1,811
4	1/2" Dia Cold Water Pipe	435	0%	435	LFT		\$ -	\$ 75	9	\$ 653	\$ 653
SANITARY PIPE DEMOLITION W/ FITTINGS											
PVC Sch-40											
1	2" Dia. Sanitary Pipe	770	0%	770	LFT		\$ -	\$ 75	23	\$ 1,733	\$ 1,733
2	4" Dia. Sanitary Pipe	858	0%	858	LFT		\$ -	\$ 75	43	\$ 3,218	\$ 3,218
VENT PIPE DEMOLITION W/ FITTINGS											
PVC Sch-40											
1	2" Dia. Vent Pipe	2396	0%	2396	LFT		\$ -	\$ 75	72	\$ 5,391	\$ 5,391
2	3" Dia. Vent Pipe	722	0%	722	LFT		\$ -	\$ 75	29	\$ 2,166	\$ 2,166
COLD & HOT WATER PIPE FITTINGS											
ELBOWS 90 DEGREE											
1	3" Dia Elbow	3	0%	3	EA		\$ -	\$ 75	3	\$ 203	\$ 203
ELBOWS 45 DEGREE											
1	3" Dia Elbow	2	0%	2	EA		\$ -	\$ 75	2	\$ 135	\$ 135
TEE											
1	3" Dia Tee	1	0%	1	EA		\$ -	\$ 75	1	\$ 68	\$ 68
PIPE CAP											
1	3" Dia Cap	1	0%	1	EA		\$ -	\$ 75	1	\$ 38	\$ 38
PIPE SUPPORT											
1	3" Dia Pipe Hanger	33	0%	33	EA		\$ -	\$ 75	5	\$ 371	\$ 371
2	3/4" Dia Pipe Hanger	321	0%	321	EA		\$ -	\$ 75	32	\$ 2,408	\$ 2,408
3	1" Dia Pipe Hanger	161	0%	161	EA		\$ -	\$ 75	16	\$ 1,208	\$ 1,208
4	1/2" Dia Pipe Hanger	87	0%	87	EA		\$ -	\$ 75	9	\$ 653	\$ 653
5	2" Dia Pipe Hanger	316	0%	316	EA		\$ -	\$ 75	32	\$ 2,370	\$ 2,370
6	3" Dia Pipe Hanger	72	0%	72	EA		\$ -	\$ 75	11	\$ 810	\$ 810
7	4" Dia Pipe Hanger	86	0%	86	EA		\$ -	\$ 75	13	\$ 968	\$ 968
8	1/2" Dia Full Threaded Rod	1076	0%	1076	EA		\$ -	\$ 75	108	\$ 8,070	\$ 8,070
NEW WORK											
COLD WATER PIPES											
Type "L" Hard Copper Tube											
1	1" Dia Cold Water Pipe	2903	10%	3193	LFT	\$ 6.07	\$ 19,383	\$ 75	160	\$ 11,975	\$ 31,358
2	1/2" Dia Cold Water Pipe	1163	10%	1279	LFT	\$ 2.61	\$ 3,339	\$ 75	51	\$ 3,838	\$ 7,177
3	3/4" Dia Cold Water Pipe	3085	10%	3394	LFT	\$ 4.21	\$ 14,287	\$ 75	136	\$ 10,181	\$ 24,467
4	1 1/2" Dia Cold Water Pipe	14	10%	15	LFT	\$ 11.40	\$ 176	\$ 75	1	\$ 69	\$ 245
5	3" Dia Cold Water Pipe	185	10%	204	LFT	\$ 36.42	\$ 7,411	\$ 75	31	\$ 2,289	\$ 9,701
6	4" Dia Cold Water Pipe	36	10%	40	LFT	\$ 61.93	\$ 2,452	\$ 75	7	\$ 505	\$ 2,957
7	6" Dia Cold Water Pipe	36	10%	40	LFT	\$ 146.20	\$ 5,790	\$ 75	10	\$ 772	\$ 6,562
COLD WATER PIPE INSULATION											

1" Thickness, Johns Manville Micro-Lok HP Fiber Glass Pipe Insulation With Factory Applied All Services Vapor-Retarder Jacket With Self-Sealing Closure Lap Complying With ASTM C547, ASTM C585,											
1	1" Dia Cold Water Pipe Insulation	2903	10%	3193	LFT	\$ 2.02	\$ 6,450	\$ 75	128	\$ 9,580	\$ 16,030
2	1/2" Dia Cold Water Pipe Insulation	1163	10%	1279	LFT	\$ 1.45	\$ 1,855	\$ 75	51	\$ 3,838	\$ 5,693
3	3/4" Dia Cold Water Pipe Insulation	3085	10%	3394	LFT	\$ 1.89	\$ 6,397	\$ 75	136	\$ 10,181	\$ 16,577
4	1 1/2" Dia Cold Water Pipe	14	10%	15	LFT	\$ 2.32	\$ 36	\$ 75	1	\$ 46	\$ 82
5	3" Dia Cold Water Pipe	185	10%	204	LFT	\$ 2.78	\$ 566	\$ 75	10	\$ 763	\$ 1,329
6	4" Dia Cold Water Pipe Insulation	36	10%	40	LFT	\$ 3.45	\$ 137	\$ 75	2	\$ 178	\$ 315
7	6" Dia Cold Water Pipe Insulation	36	10%	40	LFT	\$ 4.78	\$ 189	\$ 75	3	\$ 208	\$ 397
HOT WATER PIPES											
Type "L" Hard Copper Tube											
1	1" Dia Hot Water Pipe	2840	10%	3124	LFT	\$ 6.07	\$ 18,963	\$ 75	156	\$ 11,715	\$ 30,678
2	1/2" Dia Hot Water Pipe	1156	10%	1272	LFT	\$ 2.61	\$ 3,319	\$ 75	51	\$ 3,815	\$ 7,134
3	3/4" Dia Hot Water Pipe	2658	10%	2924	LFT	\$ 4.21	\$ 12,309	\$ 75	117	\$ 8,771	\$ 21,081
4	3" Dia Hot Water Pipe	184	10%	202	LFT	\$ 36.42	\$ 7,371	\$ 75	30	\$ 2,277	\$ 9,648
HOT WATER PIPES INSULATION											
1" Thickness, Johns Manville Micro-Lok HP Fiber Glass Pipe Insulation With Factory Applied All Services Vapor-Retarder Jacket With Self-Sealing Closure Lap Complying With ASTM C547, ASTM C585,											
1	1" Dia Hot Water Pipe Insulation	2840	10%	3124	LFT	\$ 2.02	\$ 6,310	\$ 75	125	\$ 9,372	\$ 15,682
2	1/2" Dia Hot Water Pipe Insulation	1156	10%	1272	LFT	\$ 1.45	\$ 1,844	\$ 75	51	\$ 3,815	\$ 5,659
3	3/4" Dia Hot Water Pipe Insulation	2658	10%	2924	LFT	\$ 1.89	\$ 5,511	\$ 75	117	\$ 8,771	\$ 14,283
4	3" Dia Hot Water Pipe Insulation	184	10%	202	LFT	\$ 2.78	\$ 563	\$ 75	10	\$ 759	\$ 1,322
COLD & HOT WATER PIPE FITTINGS											
ELBOWS 90 DEGREE											
1	1" Dia Elbow	441	0%	441	EA	\$ 18.11	\$ 7,987	\$ 75	221	\$ 16,538	\$ 24,524
2	1/2" Dia Elbow	560	0%	560	EA	\$ 3.35	\$ 1,876	\$ 75	224	\$ 16,800	\$ 18,676
3	3/4" Dia Elbow	1467	0%	1467	EA	\$ 7.38	\$ 10,826	\$ 75	616	\$ 46,211	\$ 57,037
4	3" Dia Elbow	10	0%	10	EA	\$ 197.39	\$ 1,974	\$ 75	15	\$ 1,125	\$ 3,099
5	4" Dia Elbow	2	0%	2	EA	\$ 432.77	\$ 866	\$ 75	3	\$ 255	\$ 1,121
6	6" Dia Elbow	2	0%	2	EA	\$ 2,265.35	\$ 4,531	\$ 75	5	\$ 381	\$ 4,912
ELBOWS 45 DEGREE											
1	3" Dia Elbow	4	0%	4	EA	\$ 191.99	\$ 768	\$ 75	6	\$ 450	\$ 1,218
2	1" Dia Elbow	2	0%	2	EA	\$ 26.29	\$ 53	\$ 75	1	\$ 75	\$ 128
TEES											
1	1" x 3/4" Dia Tee	921	0%	921	EA	\$ 49.42	\$ 45,516	\$ 75	691	\$ 51,806	\$ 97,322
2	1" x 1/2" Dia Tee	440	0%	440	EA	\$ 49.42	\$ 21,745	\$ 75	330	\$ 24,750	\$ 46,495
3	1" Dia Tee	166	0%	166	EA	\$ 41.52	\$ 6,892	\$ 75	125	\$ 9,338	\$ 16,230
4	3" x 1" Dia Tee	13	0%	13	EA	\$ 299.09	\$ 3,888	\$ 75	29	\$ 2,194	\$ 6,082
REDUCER											
1	1" x 3/4" Dia Reducer	120	0%	120	EA	\$ 89.05	\$ 10,686	\$ 75	60	\$ 4,500	\$ 15,186
STORM PIPE ABOVE GROUND											
PVC Sch 40											
1	6" Dia Storm Pipe	449	10%	493.9	LFT	\$ 8.52	\$ 4,208	\$ 75	59	\$ 4,445	\$ 8,653
2	4" Dia Storm Pipe	532	10%	585.2	LFT	\$ 4.89	\$ 2,862	\$ 75	41	\$ 3,072	\$ 5,934
STORM PIPE FITTING											
ELBOW 90 DEGREE											
1	6" Dia Elbow	14	0%	14	EA	\$ 97.97	\$ 1,372	\$ 75	17	\$ 1,281	\$ 2,653
	4" Dia Elbow	10	0%	10	EA	\$ 30.80	\$ 308	\$ 75	7	\$ 555	\$ 863
STORM PIPE (UNDER GROUND)											
PVC Sch 40											
1	6" Dia Storm Pipe	120	10%	132	LFT	\$ 8.52	\$ 1,125	\$ 75	16	\$ 1,188	\$ 2,313
2	4" Dia Storm Pipe	110	10%	121	LFT	\$ 4.89	\$ 592	\$ 75	8	\$ 635	\$ 1,227
STORM PIPE INSULATION											
1" Thickness, Johns Manville Micro-Lok HP Fiber Glass Pipe Insulation With Factory Applied All Services Vapor-Retarder Jacket With Self-Sealing Closure Lap Complying With ASTM C547, ASTM C585,											
1	6" Dia Storm Pipe	120	10%	132	LFT	\$ 6.78	\$ 895	\$ 75	11	\$ 792	\$ 1,687
2	4" Dia Storm Pipe	110	10%	121	LFT	\$ 5.12	\$ 620	\$ 75	7	\$ 545	\$ 1,164
STORM PIPE FITTING											
ELBOW 90 DEGREE											
1	6" Dia Elbow	14	0%	14	EA	\$ 97.97	\$ 1,372	\$ 75	17	\$ 1,281	\$ 2,653
2	4" Dia Storm	8	0%	8	EA	\$ 30.80	\$ 246	\$ 75	6	\$ 444	\$ 690
WYE											
1	6" x 4" Dia Wye	2	0%	2	EA	\$ 380.46	\$ 761	\$ 75	4	\$ 275	\$ 1,035
SANITARY PIPE (ABOVE GROUND)											
PVC Sch 40											
1	4" Dia Sanitary Pipe	2758	10%	3033.8	LFT	\$ 4.89	\$ 14,835	\$ 75	212	\$ 15,927	\$ 30,763
2	2" Dia Sanitary Pipe	2330	10%	2563	LFT	\$ 1.66	\$ 4,255	\$ 75	103	\$ 7,689	\$ 11,944

World Estimating

World Estimating

3	3" Dia Sanitary Pipe	631	10%	694.1	LFT	\$ 3.42	\$ 2,374	\$ 75	42	\$ 3,123	\$ 5,497
SANITARY PIPE FITTING											
ELBOW 90 DEGREE											
1	4" Dia Elbow	269	0%	269	EA	\$ 30.80	\$ 8,285	\$ 75	199	\$ 14,930	\$ 23,215
2	3" Dia Elbow	5	0%	5	EA	\$ 17.23	\$ 86	\$ 75	3	\$ 225	\$ 311
3	2" Dia Elbow	580	0%	580	EA	\$ 4.72	\$ 2,738	\$ 75	220	\$ 16,530	\$ 19,268
ELBOW 45 DEGREE											
1	4" Dia Elbow	66	0%	66	EA	\$ 40.13	\$ 2,649	\$ 75	49	\$ 3,663	\$ 6,312
2	3" Dia Elbow	2	0%	2	EA	\$ 22.38	\$ 45	\$ 75	1	\$ 90	\$ 135
3	2" Dia Elbow	543	0%	543	EA	\$ 5.54	\$ 3,008	\$ 75	206	\$ 15,476	\$ 18,484
WYE											
1	4" Dia Wye	122	0%	122	EA	\$ 139.86	\$ 17,063	\$ 75	135	\$ 10,157	\$ 27,219
2	4" x 2" Dia Wye	489	0%	489	EA	\$ 161.80	\$ 79,120	\$ 75	513	\$ 38,509	\$ 117,629
3	4" Dia Double Wye	2	0%	2	EA	\$ 627.18	\$ 1,254	\$ 75	2	\$ 167	\$ 1,421
4	3" x 2" Dia Wye	8	0%	8	EA	\$ 64.22	\$ 514	\$ 75	7	\$ 540	\$ 1,054
5	3" Dia Wye	3	0%	3	EA	\$ 74.16	\$ 222	\$ 75	3	\$ 203	\$ 425
6	2" Dia Wye	121	0%	121	EA	\$ 44.02	\$ 5,326	\$ 75	69	\$ 5,173	\$ 10,499
REDUCER											
1	4"x2" Dia. Sanitary Reducer	60	0%	60	EA	\$ 41.06	\$ 2,464	\$ 75	44	\$ 3,330	\$ 5,794
SANITARY PIPE (UNDER GROUND)											
PVC Sch 40											
1	6" Dia Sanitary Pipe	320	10%	352	LFT	\$ 8.52	\$ 2,999	\$ 75	42	\$ 3,168	\$ 6,167
2	4" Dia Sanitary Pipe	520	10%	572	LFT	\$ 4.89	\$ 2,797	\$ 75	40	\$ 3,003	\$ 5,800
3	3" Dia Sanitary Pipe	120	10%	132	LFT	\$ 3.42	\$ 451	\$ 75	8	\$ 594	\$ 1,045
4	2" Dia Sanitary Pipe	110	10%	121	LFT	\$ 1.66	\$ 201	\$ 75	5	\$ 363	\$ 564
SANITARY PIPE FITTING											
ELBOW 90 DEGREE											
1	4" Dia Elbow	18	0%	18	EA	\$ 30.80	\$ 554	\$ 75	13	\$ 999	\$ 1,553
2	3" Dia Elbow	13	0%	13	EA	\$ 17.23	\$ 224	\$ 75	8	\$ 585	\$ 809
3	2" Dia Elbow	12	0%	12	EA	\$ 4.72	\$ 57	\$ 75	5	\$ 342	\$ 399
ELBOW 45 DEGREE											
1	4" Dia Elbow	24	0%	24	EA	\$ 40.13	\$ 963	\$ 75	18	\$ 1,332	\$ 2,295
2	3" Dia Elbow	15	0%	15	EA	\$ 22.38	\$ 336	\$ 75	9	\$ 675	\$ 1,011
3	2" Dia Elbow	12	0%	12	EA	\$ 5.54	\$ 66	\$ 75	5	\$ 342	\$ 408
WYE											
1	6" x 4" Dia Wye	15	0%	15	EA	\$ 380.46	\$ 5,707	\$ 75	27	\$ 2,059	\$ 7,766
2	6" x 3" Dia Wye	8	0%	8	EA	\$ 349.21	\$ 2,794	\$ 75	15	\$ 1,098	\$ 3,892
3	4" x 2" Dia Wye	11	0%	11	EA	\$ 161.80	\$ 1,780	\$ 75	12	\$ 866	\$ 2,646
4	3" x 2" Dia Wye	7	0%	7	EA	\$ 84.22	\$ 590	\$ 75	6	\$ 473	\$ 1,062
5	4" Dia Wye	6	0%	6	EA	\$ 139.86	\$ 839	\$ 75	7	\$ 500	\$ 1,339
VENT PIPE											
PVC Sch 40											
1	3" Dia Vent Pipe	2143	10%	2357.3	LFT	\$ 3.42	\$ 8,062	\$ 75	141	\$ 10,608	\$ 18,670
2	2" Dia Vent Pipe	3952	10%	4347.2	LFT	\$ 1.66	\$ 7,216	\$ 75	174	\$ 13,042	\$ 20,258
3	1-1/2" Dia Vent Pipe	1230	10%	1353	LFT	\$ 1.28	\$ 1,732	\$ 75	41	\$ 3,044	\$ 4,776
VENT PIPE FITTING											
ELBOW 90 DEGREE											
1	3" Dia Elbow	456	0%	456	EA	\$ 17.23	\$ 7,857	\$ 75	274	\$ 20,520	\$ 28,377
2	2" Dia Elbow	507	0%	507	EA	\$ 4.72	\$ 2,393	\$ 75	193	\$ 14,450	\$ 16,843
3	1-1/2" Dia Elbow	482	0%	482	EA	\$ 3.02	\$ 1,456	\$ 75	164	\$ 12,291	\$ 13,747
ELBOW 45 DEGREE											
1	3" Dia Elbow	182	0%	182	EA	\$ 22.38	\$ 4,073	\$ 75	109	\$ 8,190	\$ 12,263
2	2" Dia Elbow	20	0%	20	EA	\$ 5.54	\$ 111	\$ 75	8	\$ 570	\$ 681
REDUCERS											
1	4" x 3" Dia Reducer	80	0%	80	EA	\$ 46.12	\$ 3,690	\$ 75	59	\$ 4,440	\$ 8,130
TEES											
1	3" x 2" Dia Tee	287	0%	287	EA	\$ 27.45	\$ 7,878	\$ 75	258	\$ 19,373	\$ 27,251
2	3" x 1-1/2" Dia Tee	480	0%	480	EA	\$ 27.51	\$ 13,205	\$ 75	432	\$ 32,400	\$ 45,605
3	4" x 2" Dia Tee	20	0%	20	EA	\$ 45.73	\$ 915	\$ 75	22	\$ 1,665	\$ 2,580
4	2" Dia. Vent Tee	224	0%	224	EA	\$ 5.83	\$ 1,306	\$ 75	128	\$ 9,576	\$ 10,882
GAS PIPE											
ASTM A 53/A 53M, Black Steel Schedule 40, Type E OR S, Grade B.											
1	1-1/4" Dia Gas Pipe	831	10%	914	LFT	\$ 5.33	\$ 4,872	\$ 75	73	\$ 5,485	\$ 10,357
GAS PIPE FITTING											
ELBOW 90 DEGREE											
1	1-1/4" Dia Elbow	25	0%	25	EA	\$ 18.96	\$ 474	\$ 75	15	\$ 1,125	\$ 1,599

World Estimating

World Estimating

TEE											
1	1-1/4" Dia Tee	6	0%	6	EA	\$ 39.59	\$ 238	\$ 75	6	\$ 486	\$ 724
GAS VALVES											
1	1-1/4" Dia Gas Cock	12	0%	12	EA	\$ 98.99	\$ 1,188	\$ 75	13	\$ 990	\$ 2,178
2	1-1/4" Dia Solenoid Gas Valve	8	0%	8	EA	\$ 290.78	\$ 2,326	\$ 75	12	\$ 900	\$ 3,226
3	1-1/4" Dia Shut-off Gas Valve, ASME B16.16.1 And B16.10 Cast-Iron Lubricated Plug Valves With 125-PSIG Pressure Rating Nordstorm FIG. 142 - Threaded Ends Up To 3",	8	0%	8	EA	\$ 180.57	\$ 1,445	\$ 75	10	\$ 750	\$ 2,195
4	1 1/4" Dia. Pressure Regulating Valve	2	0%	2	EA	\$ 148.98	\$ 298	\$ 75	3	\$ 188	\$ 485
UNION											
3	1-1/4" Dia Union	8	0%	8	EA	\$ 79.95	\$ 640	\$ 75	6	\$ 420	\$ 1,060
DIRT LEG											
4	1-1/4" Dia Dirt Leg	8	0%	8	EA	\$ 48.65	\$ 389	\$ 75	3	\$ 240	\$ 629
GAS METER											
1	New Gas Meter to Be Provided for Emergency Generator	1	0%	1	EA						
2	New Pressure Regulator Gas Meter	2	0%	2	EA	\$ 119.95	\$ 240	\$ 75	1	\$ 90	\$ 330
TUB											
1	TUB-1, Manufacturer STERLING, Model# S710411100 , 60X30 LH Bath Performa Only White, Manufacturer PFW0101, Model# PROFLO, W&O 17GA L&T CP	1	0%	1	EA	\$ 285.35	\$ 285	\$ 75	6	\$ 450	\$ 735
MOP RECEPTOR											
1	MR-1 Mop Receptor, Model# PFMB2424S Manufacturer PROFLO, 24X24X10 MOP BASIN W/ SS DRAIN, Model# C897RCF, Manufacturer CHICAGO, NOT FOR POTABLE USE 2 HANDLE WALL MOUNT SERVICE SINK FAUCET & VACUUM, BREAKER ROUGH CHROME, Model# PFSSE, Manufacturer PROFLO, 5/8 X 30 SERVICE SINK HOSE ,Model# PF296, Manufacturer PROFLO,SINGLE HOSE BRACKET F/ SERVICE SINK, Model# PF245, Manufacturer,PROFLO, 24 S/S WALL MTD MOP HANGER, Model# PFWG24S, Manufacturer, PROFLO SS WALL GUARDS F/ 24 BASIN, Model# PFC500CLR, Manufacturer PROFLO, 10.1 OZ 100% SILICONE CAULK CLEAR	1	0%	1	EA	\$ 271.38	\$ 271	\$ 75	3	\$ 203	\$ 474
2	MR-2 Mop Receptor, Model# C897RCF, Manufacturer CHICAGO, NOT FOR POTABLE USE 2 HANDLE WALL MOUNT SERVICE SINK FAUCET & VACUUM, BREAKER ROUGH CHROME, Model# PFSSE, Manufacturer PROFLO, 5/8 X 30 SERVICE SINK HOSE ,Model# PF296, Manufacturer PROFLO,SINGLE HOSE BRACKET F/ SERVICE SINK, Model# PF245, Manufacturer,PROFLO, 24 S/S WALL MTD MOP HANGER, Model# PFC500CLR, Manufacturer PROFLO, 10.1 OZ 100% SILICONE CAULK CLEAR	1	0%	1	EA	\$ 218.64	\$ 219	\$ 75	3	\$ 203	\$ 421
WASHER BOX											
1	W-1 Washer Box, Model# O38100, Manufacturer OATEY, CENTROI COP SWT	1	0%	1	EA	\$ 33.98	\$ 34	\$ 75	1	\$ 56	\$ 90
GREASE INTRCEPTOR											
1	GT-1 Grease Interceptor, Manufacturer JAY R SMITH, Model# 8470, Flow rate 200 GPM, 400 LBS Capacity, Provide Complete With Flow Control Fitting And Extension	2	0%	2	EA	\$ 8,301.49	\$ 16,603	\$ 75	24	\$ 1,800	\$ 18,403
REVERSE OSMOSIS SYSTEM											
1	LFN PWR40113012 RO SYS1800GPD	2	0%	2	EA	\$ 5,976.92	\$ 11,954	\$ 75	48	\$ 3,600	\$ 15,554
DOMESTICT WATER HEATER											
1	DWH-1,2 Domestic Water Heater, Lochinvar Armor X2, Model# AWH1250NPM,	4	0%	4	EA	\$ 35,282.70	\$ 141,131	\$ 75	144	\$ 10,800	\$ 151,931
CIRCUIT SETTER											
1	1" Dia Circuit Setter	8	0%	8	EA	\$ 133.78	\$ 1,070	\$ 75	5	\$ 360	\$ 1,430
UNION											
1	1" Dia Union	48	0%	48	EA	\$ 64.78	\$ 3,109	\$ 75	34	\$ 2,520	\$ 5,629
GAUGE											
1	Temperature Gauge	12	0%	12	EA	\$ 53.55	\$ 643	\$ 75	6	\$ 450	\$ 1,093
DOMESTIC HOT WATER STORAGE TANK											
1	STO-1,2 Domestic Hot Water Storage tank, Manufacturer Lochinvar Lock Temp Storage Tank, Model# RGA0504	4	0%	4	EA	\$ 11,795	\$ 47,180	\$ 75	72	\$ 5,400	\$ 52,580
DOMESTIC HOT WATER EXPANSION TANK											
1	ET-1,2 Domestic Hot Water Expansion tank, Manufacturer Amtrol, Model# Therm-X-Trol ST-42V-C	2	0%	2	EA	\$ 1,467.47	\$ 2,935	\$ 75	8	\$ 600	\$ 3,535
RECIRCULATION PUMP											

1	Recirculation Pump Model# G96404953, Manufacturer GRUNDFOS, UPS40 80 4B 1X115 1 1/2, Model# G539615, Manufacturer GRUNDFOS, FLANGE SET BRONZE 1-1/2, Model# G595657, Manufacturer GRUNDFOS, AQUASTAT KIT 3/4CLIP 105-115F	3	0%	3	EA	\$ 2,370.58	\$ 7,112	\$ 75	24	\$ 1,800	\$ 8,912
2	Hot Water Circulating Pump, Manufacturer & Model TBD, 3500 RPM, V/P/HZ 208/3/60,	4	0%	4	EA						
SUMP PUMP											
1	SP-2 Sump Pump, Model# SE50OMS, Manufacturer STANCOR. SE50-OMS STANCOR SE50 OIL MINDER SYSTEM TO INCLUDE 1/2 HP 115V PUMP, OIL MINDER CONTROL PANEL, FLOATS & OIL SENSING PROBE, PREWIRED JBOX & 25' OF 8-PIN CABLE Model# Z300048, Manufacturer ZOELLER 2 PVC BALL VALVE CHECK VALVE UNION QUIET	1	0%	1	EA	\$ 3,899.47	\$ 3,899	\$ 75	8	\$ 600	\$ 4,499
2	SP-3 Sump Pump, Model# LD3648LSG202, Manufacturer LIBERTY, 2HP 208/230V GRINDER PUMP SYSTEM	1	0%	1	EA	\$ 3,207.61	\$ 3,208	\$ 75	8	\$ 600	\$ 3,808
3	Elevator Sump Pump, Manufacturer & Model STANCOR SE50, Flow Rate 50 GPM, 3450 RPM, V/P/HZ 230/3/60.	2	0%	2	EA	\$ 3,207.61	\$ 6,415	\$ 75	16	\$ 1,200	\$ 7,615
VALVE											
1	2" Dia Check Valve, Lead-Free Bronze Y-Pattern Horizontal Swing with Renewable Seat and Disc 200 PSI Cwp Non-Shock Nsf/Ansi-61-8. Nibco T-413-Y-LF For Threaded Ends OR S-413-Y-LF For Solder End	4	0%	4	EA	\$ 312.96	\$ 1,252	\$ 75	5	\$ 360	\$ 1,612
2	2" Dia Gate Valve	4	0%	4	EA	\$ 210.75	\$ 843	\$ 75	5	\$ 360	\$ 1,203
3	2" Dia Shut-off Valve, Two Piece Full Port Lead-Free Bronze Ball Valves 600 PSI Non-Shock CWP, Nsf/Ansi-61-8 With The Capability Of Accepting Extended Operating Handles Milwaukee Model UPBA100S For Threaded Ends OR UPBA150SF For Soldered End	4	0%	4	EA	\$ 603.01	\$ 2,412	\$ 75	5	\$ 360	\$ 2,772
UNION											
1	2" Dia Union	4	0%	4	EA	\$ 97.98	\$ 392	\$ 75	3	\$ 240	\$ 632
CIRCULATION PUMP DETAIL											
VALVE											
1	1" Dia Check Valve, Lead-Free Bronze Y-Pattern Horizontal Swing with Renewable Seat and Disc 200 PSI Cwp Non-Shock Nsf/Ansi-61-8. Nibco T-413-Y-LF For Threaded Ends OR S-413-Y-LF For Solder End	2	0%	2	EA	\$ 181.31	\$ 363	\$ 75	2	\$ 120	\$ 483
2	1" Plug Valve	4	0%	4	EA	\$ 142.65	\$ 571	\$ 75	3	\$ 240	\$ 811
3	1" PIG Tail	4	0%	4	EA	\$ 164.64	\$ 659	\$ 75	3	\$ 240	\$ 899
4	1" Lug Butterfly Valve	4	0%	4	EA	\$ 158.75	\$ 635	\$ 75	3	\$ 240	\$ 875
5	1" Dia Shut-off Valve, Two Piece Full Port Lead-Free Bronze Ball Valves 600 PSI Non-Shock CWP, Nsf/Ansi-61-8 With The Capability Of Accepting Extended Operating Handles Milwaukee Model UPBA100S For Threaded Ends OR UPBA150SF For Soldered End	2	0%	2	EA	\$ 229.75	\$ 460	\$ 75	2	\$ 180	\$ 640
PRESSURE GAUGE											
1	Dial Type Pressure Gauge (0-100 PSIG)	4	0%	4	EA	\$ 64.55	\$ 258	\$ 75	2	\$ 150	\$ 408
UNION											
1	1" Dia Union	2	0%	2	EA	\$ 64.78	\$ 130	\$ 75	1	\$ 105	\$ 235
TEE											
1	1" Dia Reducing Tee	2	0%	2	EA	\$ 24.78	\$ 50	\$ 75	1	\$ 105	\$ 155
STRAINER											
1	1" Dia Strainer	2	0%	2	EA	\$ 57.88	\$ 116	\$ 75	1	\$ 105	\$ 221
WATER CLOSET											
1	WC-1 Resident Water Closet, American Standard #215FA.104.020, 'Cadet Pro Compact Right Height Elongated', 16-1/2" high Toilet, 3517F.101, 4188B.104, Vitreous china, Floor Mounted, 1.28 US Gal (4.8 L) per flush, two (2) piece, elongated bowl, Cadet flushing system with Power Wash rim siphon flushing system which scrubs bowl with every flush, Centoco #AM820STSS, extra heavy duty Toilet Seat, solid plastic with antimicrobial surface, open front with cover. McGuire #LFBV172, polished brass Toilet Supply. Provide Floor Flange, (same material as the connecting pipe drain), with all brass bolts and with rubber gasket	225	0%	225	EA	\$ 340.08	\$ 76,518	\$ 75	833	\$ 62,438	\$ 138,956
2	WC-2 Public Water Closet, Sloan #ST-2009-STG, 'ST-2000 Series', 15" high Toilet, Vitreous china, Floor Mounted, operates in the range of 1.1 US Gal to 1.6 US Gal (4.2 L to 6 L) per flush, elongated bowl, siphon jet flush action, Centoco #AM500STSCCSS, Heavy Duty Toilet Seat, solid plastic with antimicrobial surface, open front less cover. Sloan #Royal 111-1.28-CP-SG, 'Royal', polished chrome finish, Exposed Manual Flushometer for Top Spud Toilet, 1.28 US Gal (4.8 L) factory set flow. Provide Floor Flange, (same material as the connecting pipe drain), with all brass bolts and with rubber gasket	36	0%	36	EA	\$ 242.76	\$ 8,739	\$ 75	133	\$ 9,990	\$ 18,729
LAVATORY											
1	Lav-1 Resident Suites Lavatory, American Standard #0545.000.020 'Edgemere' Basin, white finish, undercounter, American Standard #7075.100.002, 'Colony Pro', Single Handle faucet. Powers #FLM495, Point of Use Thermostatic Mixing Valve, integral check and screen prevents cross-flow and contamination. McGuire #LFH170BV, polished brass Faucet Supplies. McGuire #8902CB, P-Trap. McGuire 'PROWRAP' #PW2000WC Sanitary Covering	225	0%	225	EA	\$ 418.71	\$ 94,210	\$ 75	833	\$ 62,438	\$ 156,647

2	LAV 2- Public Lavatory, Sloan #SS-3002 'SS-3000 series' Basin, Self-rimming / Drop-in, American Standard #5500.145.002, 'Monterrey', two handles faucet. Powers #LFLM495, Point of Use Thermostatic Mixing Valve, integral check and screen prevents cross-flow and contamination. McGuire #155A Open Grid Drain. McGuire #LFH170BV, polished brass Faucet Supplies. McGuire #8902CB, P-Trap.	42	0%	42	EA	\$ 422.29	\$ 17,736	\$ 75	155	\$ 11,655	\$ 29,391
3	LAV-3 Model# A9960001020, Manufacturer AMERICAN STANDARD, 9960.001 Wht Mezzo Semi Countertop Model# L170LF, Manufacturer LEONARD, Lead Law Compliant 3/8 X 3/8 POU Thermostat Mix Valve, Model# PFXCAZ32CL12, Manufacturer PROFLO, Lead Law Compliant 1/2 Sweat EXT X 3/8 Commercial Lavatory Kit, Model# PFPFB100, Manufacturer PROFLO 1-1/4 17GA P TRAP CP, Model# PF202WH, Manufacturer PROFLO, Cover For Trap / Hot & Cold Stop & Supply	1	0%	1	EA	\$ 724.93	\$ 725	\$ 75	4	\$ 278	\$ 1,002
4	LAV-4 Model# A0321026020, Manufacturer AMERICAN STANDARD, 19 X 17 4 Wall Hanger Lavatory Declyn White, Model# L170LF, Manufacturer LEONARD, Lead Law Compliant 3/8 X 3/8 POU Thermostat Mix Valve, Model# PFXCAZ32CL12, Manufacturer PROFLO, Lead Law Compliant 1/2 SWEAT EXT X 3/8 Commercial Lavatory Kit, Model# PFPFB100, Manufacturer PROFLO, 1-1/4 17GA P TRAP CP Model# PF202WH, Manufacturer PROFLO, Cover For Trap / Hot & Cold Stop & Supply	1	0%	1	EA	\$ 368.37	\$ 368	\$ 75	4	\$ 278	\$ 646
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SINK											
1	S-1 Sink, Model# A185B9231800S075, Manufacturer AMERICAN STANDARD PORTSMOUTH 23X18 SB UNDERMT SINK W/DRAN Model# A6405170002, Manufacturer AMERICAN STANDARD LF TM 5 R/S GN WB 1.5GPM , Model# L170LF, Manufacturer LEONARD LEAD LAW COMPLIANT 3/8 X 3/8 POU THERMOSTAT MIX VALVE Model# PFXCAZ32CL12 PROFLO LEAD LAW COMPLIANT 1/2 SWEAT EXT X 3/8 COMMERCIAL LAVATORY KIT Model# PFPFB107, Manufacturer PROFLO 1-1/2 17GA P TRAP CP	1	0%	1	EA	\$ 297.72	\$ 298	\$ 75	5	\$ 353	\$ 650
2	S-2 Sink, Model# A4932300002, Manufacturer AMERICAN STANDARD , LF 1.5 GPM EDGEWA PD KITC CH, Model# L170LF, Manufacturer LEONARD LEAD LAW COMPLIANT 3/8 X 3/8 POU THERMOSTAT MIX VALVE Model# PFXCAZ32CL12 PROFLO LEAD LAW COMPLIANT 1/2 SWEAT EXT X 3/8 COMMERCIAL LAVATORY KIT Model# PFPFB107, Manufacturer PROFLO 1-1/2 17GA P TRAP CP	1	0%	1	EA	\$ 415.58	\$ 416	\$ 75	5	\$ 353	\$ 768
3	S-3 Sink, Model# A18CR9322100S075, AMERICAN STANDARD , PORTSMOUTH 60/40 DB UNDERMT SINK W/DRAIN, Model# A4932300002, Manufacturer AMERICAN STANDARD , LF 1.5 GPM EDGEWA PD KITC CH, Model# L170LF, Manufacturer LEONARD LEAD LAW COMPLIANT 3/8 X 3/8 POU THERMOSTAT MIX VALVE Model# PFXCAZ32CL12 PROFLO LEAD LAW COMPLIANT 1/2 SWEAT EXT X 3/8 COMMERCIAL LAVATORY KIT Model# PFPFB107, Manufacturer PROFLO 1-1/2 17GA P TRAP CP, Model# PFEWB102, Manufacturer PROFLO 1-1/2X21 17GA EO WST SJ	1	0%	1	EA	\$ 413.06	\$ 413	\$ 75	5	\$ 353	\$ 766
SINGLE BOWL CLINICAL SERVICE SINK											
1	Clinical Service Sink American Standard A9504999020 HERT SERV FTG BOT BRCE-STPS 6 American Standard A8355101002 VITREOUS CHINA FM SERVICE SINK PEDESTAL BASE ONLY WHITE American Standard A710098201081 6.5 GALLONS PER FLUSH ROYAL SERVICE SINK FLUSH VALVE Sloan S3010505 BED PAN CLEANER VOLUME REG VACUUM BREAKER NOZZLE CHROME American Standard A7582167002 WAX RING PROFLO PFWR 1/4X2-1/4 BRS CLOSET BOLT RND WASHER PROFLO PFC8110RWLAST	1	0%	1	EA	\$ 1,329.64	\$ 1,330	\$ 75	6	\$ 450	\$ 1,780
KITCHEN SINK											
1	Kitchen Sink, Franke Commercial #LBS1306-1/1, Countertop Mount Sink. American Standard #7074.010.002, 'Colony Pro', Single Handle faucet. Powers #LFLM495, Point of Use Thermostatic Mixing Valve, integral check and screen prevents cross-flow and contamination. McGuire #LFH170BV, polished brass Faucet Supplies. McGuire #8912CB, P-Trap. McGuire 'PROWRAP' #PW2000 Sanitary Covering.	225	0%	225	EA	\$ 410.18	\$ 92,291	\$ 75	833	\$ 62,438	\$ 154,728
2	Single Bowl Kitchen Sink, Franke Commercial #LBS6408P-1/3, Countertop Mount Sink. American Standard #6404.170.002, 'Monterrey', two handles faucet. McGuire #LFH170BV, polished brass Faucet Supplies. McGuire #8912CB, P-Trap	5	0%	5	EA	\$ 895.87	\$ 4,479	\$ 75	24	\$ 1,763	\$ 6,242
URINAL											
1	UR Urinal, Sloan #SU-1009-STG, Urinal, vitreous china, operates in the range of 0.125 US Gal to 0.5 US Gal (0.5 L to 1.9 L) per flush, wall hung, Sloan #Royal 186-0.125-CP, 'Royal', polished chrome finish, Exposed Manual Flushometer for Top Spud urinal, 0.125 US Gal (0.5 L) factory set flow. Sloan SG 'SANIGUARD' Antimicrobial Protection Watts #CA-321, mounted on concrete floor, Fixture Carrier. Watts #CO-380-RD Urinal Wall Access Cleanout. Champion MI-XHUB Coupling	10	0%	10	EA	\$ 551.48	\$ 5,515	\$ 75	47	\$ 3,525	\$ 9,040
DRINKING FOUNTAIN											
1	DF Drinking Fountain, Elkay #LZSTL8WSLP, 'EZH2O Bottle Filling Station Versatile Bi- Level Filtered LZ Cooler', water cooler, sensor, touchless activation with auto 20-second shut off (bottle filler, McGuire #LFHSTBV, polished brass Provide drinking fountain supplies. McGuire #8912CNCGIB, P-Trap. Watts #CA-431-1-Q, mounted on concrete floor, double carrier	4	0%	4	EA	\$ 1,643.47	\$ 6,574	\$ 75	48	\$ 3,600	\$ 10,174

SHOWER											
1	Resident Shower, American Standard T385.500.002 Reliant 3 Shower Valve Trim,metal wall plate, American Standard #R1215S Pressure Balance inwall Shower Rough Valve 1/2" (13 mm) universal inlet(s)/outlet(s) American Standard 1660.766.002 Flowise, 3-Function Water-Saving Hand shower, 1.5 GPM (5.7 LPM) max flow rate, Polished Chrome finish American Standard 1662.236.002 Hand shower Grab bar/Slide Bar combination, stainless steel construction, Polished Chrome finish American Standard 8888.035.002 Hand Shower Metal Hose 1524 mm (60") long, Polished Chrome finish American Standard 1660.400.002 Hand Shower	226	0%	226	EA	\$ 804.35	\$ 181,783	\$ 75	904	\$ 67,800	\$ 249,583
MOP SINK											
1	MS Mop Sink, Stern Williams #58-900, Service / Mop Sink, American Standard #8354.112, 'Yoke', two handles faucet. Stern Williams T-35 Hose and Wall Hook 36" (914 mm) long hose with 3/4" (19 mm) chrome coupling, stainless steel wall bracket. Stern Williams T-40 Mop Hanger stainless steel #4 finish, 24" (610 mm) long with 3 rubber spring loaded clips. Stern Williams BP Back Splash Panel 20 GA. (0.9 mm) type 304 stainless steel. Provide P-Trap	7	0%	7	EA	\$ 743.41	\$ 5,204	\$ 75	33	\$ 2,468	\$ 7,671
FLOOR SINK											
1	F5 Floor Sink, S3420Y04P JR SMITH, Floor & Indirect Waste Drain W/ Medium Receptor & Square arc top Aluminum Dome Bottom Strainer - 4" NO Hub Trap Primer Connection	9	0%	9	EA	\$ 362.21	\$ 3,260	\$ 75	20	\$ 1,485	\$ 4,745
VENT THROUGH ROOF											
1	4" Dia Vent Through Roof	80	0%	80	EA	\$ 47.56	\$ 3,805	\$ 75	32	\$ 2,400	\$ 6,205
FUNNEL FLOOR DRAIN											
1	Funnel Drain, JAY R. SMITH FIG 3831T Including P-Trap With Front Cleanout	1	0%	1	EA	\$ 211.48	\$ 211	\$ 75	1	\$ 105	\$ 316
FLOOR DRAIN											
1	3" Dia FD-1 Floor Drain, S2005Y03A05NBP JR SMITH, Floor Drain With ADJ. Round Strainer, Nickel Bronze Top - 3" No Hub, Trap Primer Connection	32	0%	32	EA	\$ 168.68	\$ 5,398	\$ 75	38	\$ 2,880	\$ 8,278
2	FD-2 Floor Drain Model# S2240Y04CIP, Manufacturer JR SMITH, DEEP BODY Medium Duty Floor Drain WITH 12" Round TOP AND "SAFE SET" Sediment Bucket Cast Iron Grate - 4" NO HUB, Trap Primer Connection	1	0%	1	EA	\$ 374.16	\$ 374	\$ 75	1	\$ 105	\$ 479
FLOOR CLEANOUT											
1	FCO-1 Model# S4890NB02, Manufacturer JR SMITH ROUND DECK PLUG W/THREADED NB SPANNER WRENCH COVER - 2" Model# S4890NB03 Manufacturer JR SMITH ROUND DECK PLUG W/THREADED NB SPANNER WRENCH COVER - 3" Model# S4890NB04 Manufacturer JR SMITH ROUND DECK PLUG W/THREADED NB SPANNER WRENCH COVER - 4"	15	0%	15	EA	\$ 455	\$ 6,825	\$ 75	21	\$ 1,575	\$ 8,400
WALL CLEANOUT											
1	WCO-1 Model# S4940NB08X08 Manufacturer JR SMITH FLOOR ACCESS COVER W/ SQUARE FRAME AND NB HINGED SECURED SCORIATED COVER - 8X8", Model# S4940NB10X10 Manufacturer JR SMITH FLOOR ACCESS COVER W/ SQUARE FRAME AND NB HINGED SECURED SCORIATED COVER - 10X10"	1	0%	1	EA	\$ 455	\$ 455	\$ 75	1	\$ 105	\$ 560
DRAIN PAN											
1	DP-1 Cloth Washer Drain Pan, Model# M99 Manufacturer, MUSTEE DURAPAN WSHR & WATER HEATER PAN CENTER DRAIN	1	0%	1	EA	\$ 211	\$ 211	\$ 75	1	\$ 105	\$ 316
ICE MAKER BOX											
1	IMB Ice Maker box, Model# O38810 Manufacturer OATEY, ICE MAKER BOX LESS VALVE	1	0%	1	EA	\$ 18	\$ 18	\$ 75	1	\$ 56	\$ 75
TRAP PRIMER											
1	ENCLOSED ELECTRONIC TRAP SEAL PRIMER 1-5 OPENING PORTS WITH CABINET	1	0%	1	EA	\$ 899	\$ 899	\$ 75	3	\$ 225	\$ 1,124
2	ENCLOSED ELECTRONIC TRAP SEAL PRIMER 6-10 OPENING PORTS WITH CABINET	1	0%	1	EA	\$ 930	\$ 930	\$ 75	3	\$ 225	\$ 1,155
3	ENCLOSED ELECTRONIC TRAP SEAL PRIMER 11-15 OPENING PORTS WITH CABINET	1	0%	1	EA	\$ 945	\$ 945	\$ 75	3	\$ 225	\$ 1,170
BACKFLOW PREVENTOR											
1	BFP-1 Backflow Preventor, Model# WLF909OSYP Manufacturer WATTS LEAD LAW COMPLIANT 4 LF909-OSY, Model# W77FDIFDA125P Manufacturer WATTS 4 Ci 125# FLANGE STRAINER EPOX COAT, Model# W909AGK Manufacturer WATTS 4 - 6 (909) / 8" - 10" (909M1) AIR GAP	1	0%	1	EA	\$ 3,463	\$ 3,463	\$ 75	3	\$ 225	\$ 3,688
2	BFP-2 Back Flow Preventor Model# W740C, Manufacturer WILKINS 3/8" DOUBLE CHECK BACKFLOW PREVENTER	1	0%	1	EA	\$ 164	\$ 164	\$ 75	1	\$ 94	\$ 258
HOSE BIB											

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1	HB-1 Hose Bib, Model# S5509QTSAPCL Manufacturer JR SMITH SS BOX-TYPE HYDRANT W/INTEGRAL VACUUM BREAKER - SAP, CYLINDER LOCK , Model# S5509QT06CL Manufacturer JR SMITH SS BOX-TYPE HYDRANT W/INTEGRAL VACUUM BREAKER - 6" WALL, CYLINDER LOCK , Model# S5509QT12CL Manufacturer JR SMITH SS BOX-TYPE HYDRANT W/INTEGRAL VACUUM BREAKER - 12" WALL, CYLINDER LOCK , Model# S5509QT18CL, Manufacturer JR SMITH, SS BOX-TYPE HYDRANT W/INTEGRAL VACUUM BREAKER - 18" WALL, CYLINDER	1	0%	1	EA	\$ 6,245.50	\$ 6,246	\$ 75	3	\$ 188	\$ 6,433
2	HB-2 Hose Bib, Model# C293369COLDCP, Manufacturer CHICAGO 2-3/8 LEVER HANDLE INSIDE SILL FITTING CHROME	1	0%	1	EA	\$ 136.23	\$ 136	\$ 75	1	\$ 53	\$ 189
NON-FREEZE WALL HYDRANT											
1	3/4" Dia. Non-Freeze Wall Hydrant	5	0%	5	EA	\$ 221.11	\$ 1,106	\$ 75	4	\$ 319	\$ 1,424
P-TRAP											
1	2" Dia P-Trap	195	0%	195	EA	\$ 44.12	\$ 8,603	\$ 75	78	\$ 5,850	\$ 14,453
2	3" Dia. P-Trap	32	0%	32	EA	\$ 47.06	\$ 1,506	\$ 75	13	\$ 960	\$ 2,466
ELECTRIC HEAT TRACE											
1	Electric Heat Trace, 40 Amps, 2P, (Rating Taken from Electrical Panel Scheduling), Including Power Connection kit, Eco Controller w/ Tee Kit for a 3 FT Service Loop & Splice Kit for a 2 FT Service Loop.	10	0%	10	EA						
2	Heat Trace Cold Water Main Pipes	1	0%	1	EA						
3	Heat Trace all Domestic Hot & Cold Water Pipe Take off	56	0%	56	EA						
FOOD EQUIPMENT											
1	1, Double Deck Convention Oven With Gas Line Manifold	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
2	2, 6 Burner Range with Oven Base	2	0%	2	EA	\$ -	\$ 75	15	\$ 1,110	\$ 1,110	
3	3, Fryer	2	0%	2	EA	\$ -	\$ 75	15	\$ 1,110	\$ 1,110	
4	4.1, Countertop Griddle	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
5	5, Char Boiler with Stand	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
6	6, Three Compartment Wash Sink	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
7	7, Hand Sink	2	0%	2	EA	\$ -	\$ 75	15	\$ 1,110	\$ 1,110	
8	12, Ice Maker with Bin	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
9	13, Dishwasher	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
10	17, Walk in Cooler Freezer	2	0%	2	EA	\$ -	\$ 75	15	\$ 1,110	\$ 1,110	
11	20, Work Table with Sink	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
12	21, Two Compartment Sink	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
13	26, Coffee Maker	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
14	29, Soda Dispenser Drop In	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
15	31, Carbonator	3	0%	3	EA	\$ -	\$ 75	22	\$ 1,665	\$ 1,665	
16	32, Water Filter System - Soda	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
17	33, Mop Sink	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
18	37, Water Filter System-Ice Machine	1	0%	1	EA	\$ -	\$ 75	7	\$ 555	\$ 555	
19	38, Water Filter System-Dish Washer	2	0%	2	EA	\$ -	\$ 75	15	\$ 1,110	\$ 1,110	
VALVES											
1	3/4" Dia Shut-off Valve, Two Piece Full Port Lead-Free Bronze Ball Valves 600 PSI Non-Shock CWP, Nsf/Ansi-61-8 With The Capability Of Accepting Extended Operating Handles Milwaukee Model UPBA100S For Threaded Ends OR UPBA150SF For Soldered End	935	0%	935	EA	\$ 49.25	\$ 46,049	\$ 75	374	\$ 28,050	\$ 74,099
2	1/2" Dia Shut-off Valve, Two Piece Full Port Lead-Free Bronze Ball Valves 600 PSI Non-Shock CWP, Nsf/Ansi-61-8 With The Capability Of Accepting Extended Operating Handles Milwaukee Model UPBA100S For Threaded Ends OR UPBA150SF For Soldered End	360	0%	360	EA	\$ 37.78	\$ 13,601	\$ 75	144	\$ 10,800	\$ 24,401
PIPE SUPPORTS											
1	1" Dia Pipe Hanger	574	0%	574	EA	\$ 7.8	\$ 4,477	\$ 75	115	\$ 8,610	\$ 13,087
2	1/2" Dia Pipe Hanger	232	0%	232	EA	\$ 7.5	\$ 1,740	\$ 75	46	\$ 3,480	\$ 5,220
3	3/4" Dia Pipe Hanger	575	0%	575	EA	\$ 7.5	\$ 4,313	\$ 75	115	\$ 8,625	\$ 12,938
4	4" Dia Pipe Hanger	392	0%	392	EA	\$ 10.5	\$ 4,116	\$ 75	98	\$ 7,350	\$ 11,466
5	6" Dia Pipe Hanger	89	0%	89	EA	\$ 11.7	\$ 1,041	\$ 75	22	\$ 1,669	\$ 2,710
6	2" Dia Pipe Hanger	639	0%	639	EA	\$ 9.2	\$ 5,879	\$ 75	160	\$ 11,981	\$ 17,860
7	3" Dia Pipe Hanger	326	0%	326	EA	\$ 9.8	\$ 3,195	\$ 75	82	\$ 6,113	\$ 9,307
8	1-1/2" Dia Pipe Hanger	125	0%	125	EA	\$ 8.9	\$ 1,113	\$ 75	25	\$ 1,875	\$ 2,988
9	1-1/4" Dia Pipe Hanger	83	0%	83	EA	\$ 8.9	\$ 739	\$ 75	17	\$ 1,245	\$ 1,984
10	1/2" Dia Full Threaded Rod	3035	0%	3035	EA	\$ 4.5	\$ 13,658	\$ 75	304	\$ 22,763	\$ 36,420
TOTAL MATERIAL COST										\$	1,388,501
TOTAL MANHOURS' COST										\$	1,115,419
TOTAL COST										\$	2,503,920
OVERHEADS & PROFIT										25%	\$ 625,980
TOTAL BID										\$	3,129,900
SCOPE OF ESTIMATE:											
1	SUPPLY & INSTALLATION										
1	Sanitary Waste / Vent Pipe & Fittings										
2	Cold / Hot Water Pipe & Fittings										
3	Storm Pipe w/ Fittings										
4	Fixtures										
5	Water Heater										
6	Elevator Sump Pump										
7	Drains										

8	Cleanouts
9	Roof Drains
10	Valves
11	Circulating Pump
12	Drinking Fountain
13	Insulation
14	Pipe Supports
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II	EXCLUSIONS
1	Specifications of the yellow highlighted items not given in the plans. They are not included in the estimate.
III	NOTES
1	Pricing and manhours are calculated from PHCC database.