



										MANHOOR UNIT RATE		\$ 115
SR. NO.	DESCRIPTION	QUANTITY	WASTAGE	QTY WITH WASTAGE	UNIT	UNIT COST	MATERIAL COST	MANHOURS	UNIT RATE	MANHOURS	MANHOURS COST	TOTAL TRADE COST
PLUMBING ESTIMATE												
COLD WATER PIPE												
PVC And Upenor Pex												
1	1/2" Dia Cold Water Pipe	985	10%	1083	LFT	\$ -	\$ 115				\$ -	\$ -
2	3/4" Dia Cold Water Pipe	219	10%	240	LFT	\$ -	\$ 115				\$ -	\$ -
3	1" Dia Cold Water Pipe	270	10%	297	LFT	\$ -	\$ 115				\$ -	\$ -
4	1-1/4" Dia Cold Water Pipe	28	10%	31	LFT	\$ -	\$ 115				\$ -	\$ -
5	2" Dia Cold Water Pipe	51	10%	56	LFT	\$ -	\$ 115				\$ -	\$ -
COLD WATER PIPE INSULATION												
1/2" Thick Fiberglass Insulation W/ Vapor Barrier												
1	1/2" Dia Cold Water Pipe	985	10%	1083	LFT	\$ -	\$ 115				\$ -	\$ -
2	3/4" Dia Cold Water Pipe	219	10%	240	LFT	\$ -	\$ 115				\$ -	\$ -
3	1" Dia Cold Water Pipe	270	10%	297	LFT	\$ -	\$ 115				\$ -	\$ -
4	1-1/4" Dia Cold Water Pipe	28	10%	31	LFT	\$ -	\$ 115				\$ -	\$ -
5	2" Dia Cold Water Pipe	51	10%	56	LFT	\$ -	\$ 115				\$ -	\$ -
DOMESTIC COLD WATER PIPE FITTINGS												
ELBOWS												
1	1/2" Dia Cold Water 90 Deg Elbow	81	0%	81	EA	\$ -	\$ 115				\$ -	\$ -
2	3/4" Dia Cold Water 90 Deg Elbow	3	0%	3	EA	\$ -	\$ 115				\$ -	\$ -
3	1" Dia Cold Water 90 Deg Elbow	3	0%	3	EA	\$ -	\$ 115				\$ -	\$ -
4	2" Dia Cold Water 90 Deg Elbow	4	0%	4	EA	\$ -	\$ 115				\$ -	\$ -
REDUCERS												
1	3/4" / 1/2" Dia Cold Water Reducer	4	0%	4	EA	\$ -	\$ 115				\$ -	\$ -
2	1" / 1/2" Dia Cold Water Reducer	2	0%	2	EA	\$ -	\$ 115				\$ -	\$ -
3	1" / 3/4" Dia Cold Water Reducer	2	0%	2	EA	\$ -	\$ 115				\$ -	\$ -
4	1-1/4" / 1" Dia Cold Water Reducer	1	0%	1	EA	\$ -	\$ 115				\$ -	\$ -
5	2" / 1" Dia Cold Water Reducer	1	0%	1	EA	\$ -	\$ 115				\$ -	\$ -
6	2" / 1-1/4" Dia Cold Water Reducer	1	0%	1	EA	\$ -	\$ 115				\$ -	\$ -
TEE												
1	1/2" Dia Cold Water Tee	18	0%	18	EA	\$ -	\$ 115				\$ -	\$ -
2	3/4" Dia Cold Water Tee	2	0%	2	EA	\$ -	\$ 115				\$ -	\$ -
3	3/4" / 1/2" Dia Cold Water Tee	12	0%	12	EA	\$ -	\$ 115				\$ -	\$ -
4	1" Dia Cold Water Tee	2	0%	2	EA	\$ -	\$ 115				\$ -	\$ -
5	1" / 1/2" Dia Cold Water Tee	17	0%	17	EA	\$ -	\$ 115				\$ -	\$ -
6	1" / 3/4" Dia Cold Water Tee	2	0%	2	EA	\$ -	\$ 115				\$ -	\$ -
7	1-1/4" / 1/2" Dia Cold Water Tee	2	0%	2	EA	\$ -	\$ 115				\$ -	\$ -
8	2" Dia Cold Water Tee	2	0%	2	EA	\$ -	\$ 115				\$ -	\$ -
HOT WATER PIPE												
PVC And Upenor Pex												
1	1/2" Dia Cold Water Pipe	827	10%	910	LFT	\$ -	\$ 115				\$ -	\$ -
2	3/4" Dia Cold Water Pipe	366	10%	403	LFT	\$ -	\$ 115				\$ -	\$ -
3	1" Dia Cold Water Pipe	101	10%	111	LFT	\$ -	\$ 115				\$ -	\$ -
HOT WATER PIPE INSULATION												
1" Thick Fiberglass Insulation												
1	1/2" Dia Cold Water Pipe	827	10%	910	LFT	\$ -	\$ 115				\$ -	\$ -
2	3/4" Dia Cold Water Pipe	366	10%	403	LFT	\$ -	\$ 115				\$ -	\$ -
3	1" Dia Cold Water Pipe	101	10%	111	LFT	\$ -	\$ 115				\$ -	\$ -
HOT WATER PIPE FITTING												
ELBOW												
1	1/2" Dia Cold Water 90 Deg Elbow	68	0%	68	EA	\$ -	\$ 115				\$ -	\$ -
2	3/4" Dia Cold Water 90 Deg Elbow	1	0%	1	EA	\$ -	\$ 115				\$ -	\$ -
3	1" Dia Cold Water 90 Deg Elbow	3	0%	3	EA	\$ -	\$ 115				\$ -	\$ -
REDUCERS												
1	3/4" / 1/2" Dia Cold Water Reducer	7	0%	7	EA	\$ -	\$ 115				\$ -	\$ -
2	1" / 1/2" Dia Cold Water Reducer	1	0%	1	EA	\$ -	\$ 115				\$ -	\$ -
3	1" / 3/4" Dia Cold Water Reducer	2	0%	2	EA	\$ -	\$ 115				\$ -	\$ -
TEE												
1	3/4" Dia Cold Water Tee	1	0%	1	EA	\$ -	\$ 115				\$ -	\$ -

2	1/2" Dia Cold Water Tee	10	0%	10	EA	\$ -	\$ 115	\$ -	\$ -
3	3/4" / 1/2" Dia Cold Water Tee	25	0%	25	EA	\$ -	\$ 115	\$ -	\$ -
4	1" Dia Cold Water Tee	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
5	1" / 1/2" Dia Cold Water Tee	4	0%	4	EA	\$ -	\$ 115	\$ -	\$ -
6	1" / 3/4" Dia Cold Water Tee	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
HOT WATER RETURN PIPE									
PVC And Upenor Pex									
1	3/4" Dia Hot Water Return Pipe (Size Assumed)	430	10%	473	LFT	\$ -	\$ 115	\$ -	\$ -
HOT WATER PIPE INSULATION									
1" Thick Fiberglass Insulation									
1	3/4" Dia Hot Water Return Pipe (Size Assumed)	430	10%	473	LFT	\$ -	\$ 115	\$ -	\$ -
HOT WATER RETURN PIPE FITTING									
ELBOW									
1	3/4" Dia Hot Water Return 90 Deg Elbow	4	0%	4	EA	\$ -	\$ 115	\$ -	\$ -
TEE									
1	3/4" Dia Hot Water Return Tee	5	0%	5	EA	\$ -	\$ 115	\$ -	\$ -
WASTE PIPE									
Sch 40 PVC									
1	2" Dia Waste Pipe	616	10%	678	LFT	\$ -	\$ 115	\$ -	\$ -
2	3" Dia Waste Pipe	551	10%	606	LFT	\$ -	\$ 115	\$ -	\$ -
3	4" Dia Waste Pipe	504	10%	554	LFT	\$ -	\$ 115	\$ -	\$ -
WASTE PIPE FITTING									
ELBOW									
1	2" Dia Waste 45 Deg Elbow	49	0%	49	EA	\$ -	\$ 115	\$ -	\$ -
2	2" Dia Waste 90 Deg Elbow	43	0%	43	EA	\$ -	\$ 115	\$ -	\$ -
3	3" Dia Waste 45 Deg Elbow	34	0%	34	EA	\$ -	\$ 115	\$ -	\$ -
4	3" Dia Waste 90 Deg Elbow	15	0%	15	EA	\$ -	\$ 115	\$ -	\$ -
5	4" Dia Waste 45 Deg Elbow	8	0%	8	EA	\$ -	\$ 115	\$ -	\$ -
6	4" Dia Waste 90 Deg Elbow	3	0%	3	EA	\$ -	\$ 115	\$ -	\$ -
REDUCER									
1	3" / 2" Dia Waste Reducer	4	0%	4	EA	\$ -	\$ 115	\$ -	\$ -
2	4" / 3" Dia Waste Reducer	2	0%	2	EA	\$ -	\$ 115	\$ -	\$ -
WYE									
1	2" Dia Waste Wye	2	0%	2	EA	\$ -	\$ 115	\$ -	\$ -
2	2" Dia Waste Double Wye	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
3	3" / 2" Dia Waste Wye	13	0%	13	EA	\$ -	\$ 115	\$ -	\$ -
4	3" Dia Waste Wye	6	0%	6	EA	\$ -	\$ 115	\$ -	\$ -
5	4" / 2" Dia Waste Double Wye	4	0%	4	EA	\$ -	\$ 115	\$ -	\$ -
6	4" / 2" Dia Waste Wye	11	0%	11	EA	\$ -	\$ 115	\$ -	\$ -
7	4" / 3" Dia Waste Wye	11	0%	11	EA	\$ -	\$ 115	\$ -	\$ -
8	4" Dia Waste Wye	4	0%	4	EA	\$ -	\$ 115	\$ -	\$ -
VENT PIPE									
Sch 40 PVC									
1	2" Dia Vent Pipe	672	10%	739	LFT	\$ -	\$ 115	\$ -	\$ -
VENT PIPE FITTING									
ELBOW									
1	2" Dia Vent 90 Deg Elbow	10	0%	10	EA	\$ -	\$ 115	\$ -	\$ -
TEE									
1	2" Dia Vent Tee	48	0%	48	EA	\$ -	\$ 115	\$ -	\$ -
GAS PIPE									
Sch 40 Black Steel									
1	1/2" Dia Gas Pipe	34	10%	37	LFT	\$ -	\$ 115	\$ -	\$ -
2	3/4" Dia Gas Pipe	142	10%	156	LFT	\$ -	\$ 115	\$ -	\$ -
3	1" Dia Gas Pipe	210	10%	231	LFT	\$ -	\$ 115	\$ -	\$ -
4	1-1/4" Dia Gas Pipe	310	10%	341	LFT	\$ -	\$ 115	\$ -	\$ -
5	2" Dia Gas Pipe	33	10%	37	LFT	\$ -	\$ 115	\$ -	\$ -
6	3" Dia Gas Pipe	134	10%	148	LFT	\$ -	\$ 115	\$ -	\$ -
GAS PIPE FITTING									
ELBOWS									
1	1/2" Dia Gas 90 Deg Elbow	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -

2	3/4" Dia Gas 90 Deg Elbow	12	0%	12	EA	\$ -	\$ 115	\$ -	\$ -
3	1" Dia Gas 90 Deg Elbow	5	0%	5	EA	\$ -	\$ 115	\$ -	\$ -
4	1-1/4" Dia Gas 90 Deg Elbow	13	0%	13	EA	\$ -	\$ 115	\$ -	\$ -
5	2" Dia Gas 90 Deg Elbow	2	0%	2	EA	\$ -	\$ 115	\$ -	\$ -
6	3" Dia Gas 90 Deg Elbow	6	0%	6	EA	\$ -	\$ 115	\$ -	\$ -
REDUCER									
1	1" / 3/4" Dia Gas Reducer	3	0%	3	EA	\$ -	\$ 115	\$ -	\$ -
2	1-1/4" / 1" Dia Gas Reducer	4	0%	4	EA	\$ -	\$ 115	\$ -	\$ -
3	2" / 1" Dia Gas Reducer	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
4	2" / 1-1/4" Dia Gas Reducer	2	0%	2	EA	\$ -	\$ 115	\$ -	\$ -
TEE									
1	3/4" Dia Gas Tee	3	0%	3	EA	\$ -	\$ 115	\$ -	\$ -
2	1" / 3/4" Dia Gas Tee	3	0%	3	EA	\$ -	\$ 115	\$ -	\$ -
3	1" Dia Gas Tee	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
4	1-1/4" / 1" Dia Gas Tee	2	0%	2	EA	\$ -	\$ 115	\$ -	\$ -
5	1-1/4" / 1/2" Dia Gas Tee	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
6	1-1/4" / 3/4" Dia Gas Tee	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
7	1-1/4" Dia Gas Tee	5	0%	5	EA	\$ -	\$ 115	\$ -	\$ -
8	2" Dia Gas Tee	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
9	3" / 1-1/4" Dia Gas Tee	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
UNION									
1	3/4" Dia Gas Union	4	0%	4	EA	\$ -	\$ 115	\$ -	\$ -
2	1-1/4" Dia Gas Union	4	0%	4	EA	\$ -	\$ 115	\$ -	\$ -
TRAP									
1	3" Dia P-Trap	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
TRAP PRIMER									
1	2" Dia Trap Primer	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
GAS COCK									
1	3/4" Dia Gas Cock	4	0%	4	EA	\$ -	\$ 115	\$ -	\$ -
2	1-1/4" Dia Gas Cock	6	0%	6	EA	\$ -	\$ 115	\$ -	\$ -
WATER VALVE									
1	1/2" Dia Shut-Off Valve	69	0%	69	EA	\$ -	\$ 115	\$ -	\$ -
2	3/4" Dia Shut-Off Valve	17	0%	17	EA	\$ -	\$ 115	\$ -	\$ -
3	3/4" Dia Balancing Valve	5	0%	5	EA	\$ -	\$ 115	\$ -	\$ -
4	2" Dia Globe Valve	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
5	2" Dia Check Valve	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
WATER HAMMER ARRESTOR									
1	1/2" Dia Water Hammer Arrestor	32	0%	32	EA	\$ -	\$ 115	\$ -	\$ -
2	3/4" Dia Water Hammer Arrestor	12	0%	12	EA	\$ -	\$ 115	\$ -	\$ -
FLOOR DRAIN									
1	3" Dia Floor Drain	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
CLEANOUT									
1	3" Dia Cleanout	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
2	4" Dia Cleanout	3	0%	3	EA	\$ -	\$ 115	\$ -	\$ -
GAS METER									
1	New Gas Meter And Regulator Rig If Required (Coordinate W/ Utility Company)	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
WATER METER									
1	New Water Meter And Backflow Preventer (Coordinate Requirement W/ Utility Company)	1	0%	1	EA	\$ -	\$ 115	\$ -	\$ -
WALL HYDRANT									
1	1/2" Dia Wall Hydrant (Assumed)	10	0%	10	EA	\$ -	\$ 115	\$ -	\$ -
PVC COUPLING									
1	1/2" Dia Coupling	181	0%	181	EA	\$ -	\$ 115	\$ -	\$ -
2	3/4" Dia Coupling	101	0%	101	EA	\$ -	\$ 115	\$ -	\$ -
3	1" Dia Coupling	37	0%	37	EA	\$ -	\$ 115	\$ -	\$ -
4	1-1/4" Dia Coupling	3	0%	3	EA	\$ -	\$ 115	\$ -	\$ -
5	2" Dia Coupling	128	0%	128	EA	\$ -	\$ 115	\$ -	\$ -
6	3" Dia Coupling	55	0%	55	EA	\$ -	\$ 115	\$ -	\$ -

7	4" Dia Coupling	51	0%	51	EA		\$ -	\$ 115		\$ -	\$ -
PLUMBING FIXTURE											
1	Water Heater W/ Circulation Pump	1	0%	1	EA		\$ -	\$ 115		\$ -	\$ -
2	BAR Sink	1	0%	1	EA		\$ -	\$ 115		\$ -	\$ -
3	Hand Sink	6	0%	6	EA		\$ -	\$ 115		\$ -	\$ -
4	Kitchen Sink	2	0%	2	EA		\$ -	\$ 115		\$ -	\$ -
5	Lavatory	14	0%	14	EA		\$ -	\$ 115		\$ -	\$ -
6	Sewer Ejector	1	0%	1	EA		\$ -	\$ 115		\$ -	\$ -
7	Shower (With Rain Head, Fixed Head, Hand Held)	10	0%	10	EA		\$ -	\$ 115		\$ -	\$ -
8	SP	5	0%	5	EA		\$ -	\$ 115		\$ -	\$ -
9	TUB	2	0%	2	EA		\$ -	\$ 115		\$ -	\$ -
10	Water Closet	12	0%	12	EA		\$ -	\$ 115		\$ -	\$ -
11	3 Bay Sink (From Attached Pic)	1	0%	1	EA		\$ -	\$ 115		\$ -	\$ -
12	Sink (From Attached Pic)	5	0%	5	EA		\$ -	\$ 115		\$ -	\$ -
13	3/4" Dia Hoss Bibb (Size Assumed, From Attached Pic)	7	0%	7	EA		\$ -	\$ 115		\$ -	\$ -
14	Pot Filler (1 Wall Mount, 1 Deck Mount), (From Attached Pic)	2	0%	2	EA		\$ -	\$ 115		\$ -	\$ -
15	PV 75Gal (From Attached Pic)	3	0%	3	EA		\$ -	\$ 115		\$ -	\$ -
16	Gas Dryers (From Attached Pic)	4	0%	4	EA		\$ -	\$ 115		\$ -	\$ -
PIPE SUPPORT											
1	1/2" Dia Clevis Hanger	183	0%	183	EA		\$ -	\$ 115		\$ -	\$ -
2	3/4" Dia Clevis Hanger	116	0%	116	EA		\$ -	\$ 115		\$ -	\$ -
3	1" Dia Clevis Hanger	58	0%	58	EA		\$ -	\$ 115		\$ -	\$ -
4	1-1/4" Dia Clevis Hanger	34	0%	34	EA		\$ -	\$ 115		\$ -	\$ -
5	2" Dia Clevis Hanger	131	0%	131	EA		\$ -	\$ 115		\$ -	\$ -
6	3" Dia Clevis Hanger	68	0%	68	EA		\$ -	\$ 115		\$ -	\$ -
7	4" Dia Clevis Hanger	51	0%	51	EA		\$ -	\$ 115		\$ -	\$ -
8	3/8" Dia Fully Threaded Rod	522	0%	522	EA		\$ -	\$ 115		\$ -	\$ -
9	1/2" Dia Fully Threaded Rod	119	0%	119	EA		\$ -	\$ 115		\$ -	\$ -
ADD ALTERNATE											
BOOSTER PUMP											
1	Booster Pump (If Water Pressure Is Less Than Acceptable For The Apartment Building)	1	0%	1	EA		\$ -	\$ 115		\$ -	\$ -

		TOTAL MATERIAL COST	\$	-
		TOTAL MANHOURS' COST	\$	-
		TOTAL COST	\$	-
		OVERHEADS & PROFIT	25%	\$
				-
		TOTAL BID	\$	-
SCOPE OF ESTIMATE:				
I	SUPPLY & INSTALLATION			
1	Cold Water Pipe W/ Fittings			
2	Hot Water Pipe W/ Fittings			
3	Waste Pipe W/ Fittings			
4	Vent Pipe W/ Fittings			
5	Gas Pipe W/ Fittings			
6	Cleanouts			
7	Valves			
8	Plumbing Fixtures			
9	Pipe Insulations			
10	Pipe Supports			
II	NOTES			
1	Pricing & Manhours are calculated from PHCC database.			