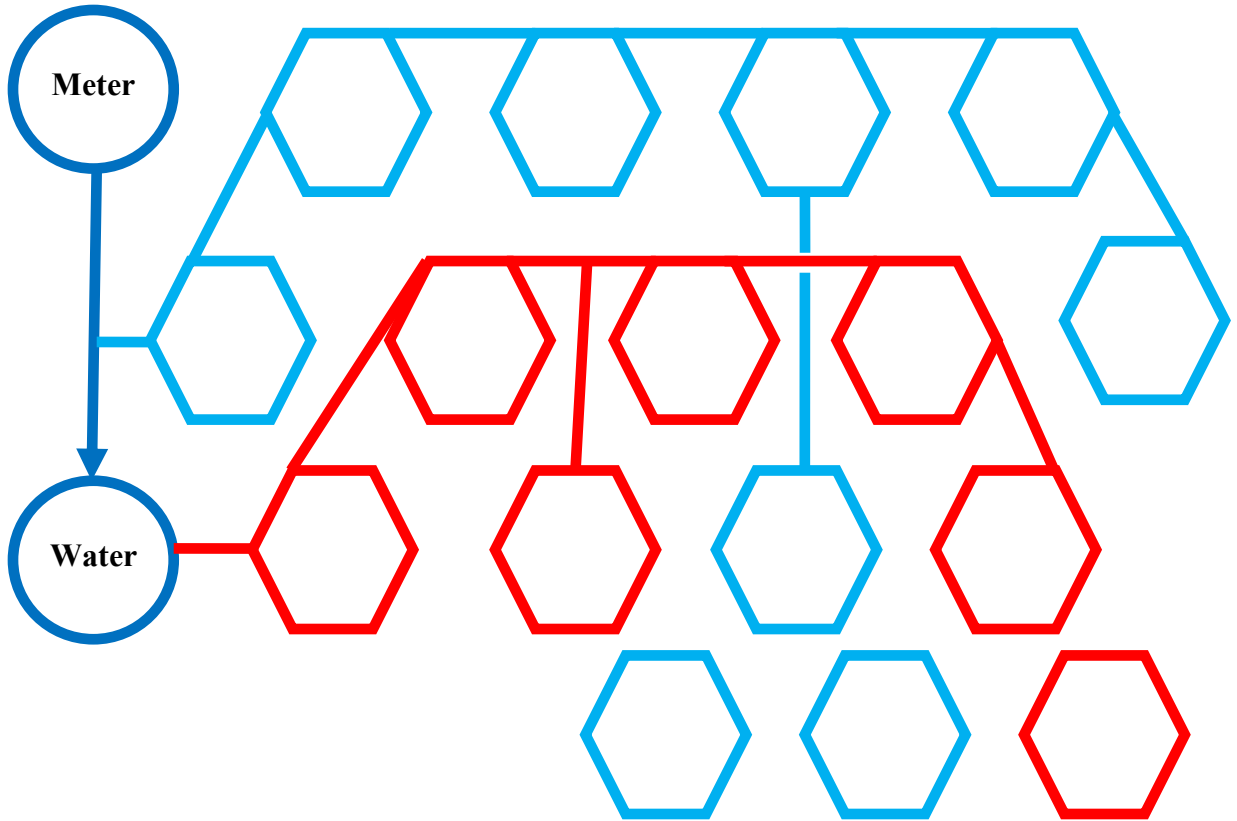


Water Service & Fixture - Unit Value Table			
Based on IRC 2903.6	Hot	Cold	Warm
Tub/shower	1	1	1.4
Clothes Washer	1	1	1.4
Dishwasher	1.4	--	1.4
Bathroom Group	1.5	2.7	3.6
Half Bath	0.5	2.5	2.6
Silcock	--	2.5	2.5
Kitchen Group	1.9	1	2.5
Kitchen Sink	1	1	1.4
Laundry Group	1.8	1.8	2.5
Laundry Tray	1	1	1.4
Lavatory	0.5	0.5	0.7
Shower	1	1	1.4
Toilet	--	2.2	2.2



AP201.1 - Min size meter, service and distribution piping based on 30 to 39 psi							
Meter & WS	Dist. Pipe	40 ft.	60 ft.	80 ft.	100 ft.	150 ft.	200 ft.
3/4"	1/2"	2.5	2	1.5	1.5	1	1
3/4"	3/4"	9.5	7.5	6	5.5	4	3.5
3/4"	1"	32	25	20	16.5	11	9
1"	1"	32	32	27	21	13.5	10
3/4"	1 1/4"	32	32	32	32	30	24
1"	1 1/4"	80	80	70	61	45	34
1 1/2"	1 1/4"	80	80	80	75	54	40
1"	1 1/2"	87	87	87	87	84	73
1 1/2"	1 1/2"	151	151	151	151	117	92
2"	1 1/2"	151	151	151	151	128	99

1. This worksheet assumes the worst water pressure allowed (30 to 39 psi). Pressure will change about 5 psi for every 10 ft of elevation change.
2. Calculate the entire load to size the water service pipe. Use the length from the meter to the most remote fixture served by length of pipe.
3. Size the hot water separately after the water heater.
4. Start at the most remote fixture and size branches individually back toward the source adding the fixture load accumulatively.
5. On larger locations, it is prudent to refer to IRC Appendix P for more tables, pressure loss from fittings and appurtances and more accurate instructions.