



# Water Tap & Meter Sizing

DATE \_\_\_\_\_

ADDRESS \_\_\_\_\_ LEGAL \_\_\_\_\_ BK \_\_\_\_\_ LT \_\_\_\_\_

SUBMITTED BY \_\_\_\_\_ FAX or EMAIL \_\_\_\_\_

FACILITY NAME \_\_\_\_\_ CONTACT PHONE \_\_\_\_\_

**UTILITIES**

2015 International Plumbing Code

**FIXTURE TYPES AND COUNTS**

FIXTURE TYPE	FIXTURE UNIT VALUE	X	NUMBER OF FIXTURES	=	FIXTURE COUNT
Automatic Clothes Washers, Commercial	3				
Automatic Clothes Washers, Residential	2				
Bathroom Group (1.6 gpf Water Closet)	5				
Bathroom Group (greater than 1.6 gpf Water Closet)	6				
Bathtub	2				
Bidet	1				
Combination Sink and Tray	2				
Dental Lavatory or Cuspidor	1				
Dishwashing Machine, Domestic	2				
Drinking Fountain	1/2				
Floor Drains	2				
Kitchen Sink, Domestic	2				
Laundry Tray (1 or 2 Compartments)	2				
Lavatory	1				
Shower (Based on Total Flow Rate)					
Flow Rate:					
5.7 gpm or less	2				
Greater than 5.7 gpm to 12.3 gpm	3				
Greater than 12.3 gpm to 25.8 gpm	5				
Greater than 25.8 gpm to 55.6 gpm	6				
Service Sink	2				
Sink	2				
Urinal	4				
Wash Sink	2				
Water Closet, Flushometer Tank, Public/Private	4				
Water Closet, Private (1.6 gpf)	3				
Water Closet, Private (greater than 1.6 gpf)	4				
Water Closet, Public (1.6 gpf)	4				
Water Closet, Public (greater than 1.6 gpf)	6				
OTHER (write description)					

<p><b>GPM/FU CONVERSION</b></p> <table border="1"> <thead> <tr> <th>GPM</th> <th>FU</th> </tr> </thead> <tbody> <tr><td>20</td><td>30</td></tr> <tr><td>40</td><td>86</td></tr> <tr><td>60</td><td>175</td></tr> <tr><td>100</td><td>380</td></tr> <tr><td>200</td><td>945</td></tr> <tr><td>400</td><td>2670</td></tr> <tr><td>600</td><td>4480</td></tr> <tr><td>1000</td><td>8300</td></tr> </tbody> </table>	GPM	FU	20	30	40	86	60	175	100	380	200	945	400	2670	600	4480	1000	8300	<p><b>COMMENTS:</b></p>	<p>FIXTURE COUNT FROM ABOVE</p>	
	GPM	FU																			
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<p>ESTIMATED COUNT FROM GPM</p>																					
<p><b>TOTAL FIXTURE VALUE</b></p>																					
<p><b>MINIMUM SIZE OF TAP AND WATER METER</b></p>																					
<p><b>METER SIZE</b> (based on maximum flow for Neptune Turbine Water Meters, with a 5 psi friction loss)</p>		<p>Fixture Value : Gallons Per Minute [NOTE GPM: 6"-2,800; 8"-3,500; 10"-6,000; 12"-9,000; 16"-14,500]</p>																			
	<p>3/4"      1"      1 1/2"      2"      3"      4"</p>																				
	<p>30:20      50:28      430:150      1173:230      1755:300      8300:1000</p>																				