



**D. Fire Sprinkler Fixtures:**

**Sprinkler System Standard**     NFPA 13     NFPA 13R     NFPA 13D     Other

Sprinkler Heads, New \_\_\_\_\_ Water Service Size \_\_\_\_\_  
 Sprinkler Heads, Relocate \_\_\_\_\_ Standpipes \_\_\_\_\_  
 Siamese Connections/FDC \_\_\_\_\_ Other Equipment: \_\_\_\_\_

Note: The **water service size of the sprinkler service** is necessary for the correct service size of the building(s).

**E. Plumbing Fixtures:** Number of Fixtures and Hydraulic Load for new, alterations (additions/removal/relocation), and repair.

Fixture	Hydraulic Load		Quantity of Fixtures			Total		Fixture	Hydraulic Load		Quantity of Fixtures			Total	
	Private	Public	New	Deleted	Existing	Fixtures	Hydraulic		Private	Public	New	Deleted	Existing	Fixtures	Hydraulic
Bathtub (w/ OR w/o shower head)	1.4	4						Lavatory / Sink (8.3LPM)	0.7	2					
Bathroom Grp (lav/wc/tub-shower)	3.6							Sink - bar	1.4	2					
Clothes Washer (3.5kg)	1.4	3						Sink - kitchen Commercial		4					
Clothes Washer (comm.)*								Sink - kitchen dom (up to 8.3 LPM)	1.4	1.4					
Dishwasher (comm.)*								Sink - laundry (1 or 2 comp.)	1.4	1.4					
Dishwasher (domestic)	1.4							Sink - Custodial		3					
Hose Bibb - 1/2"	2.5	2.5						Shower - Single Head - Low Flow	1.4	4					
Hose Bibb - 3/4"	3	6						Shower - (+9.5LPM)	2	4					
Hose Bibb - hot & cold	2.5	2.5						Water Closet (6LPF)	2.2	2.2					
Urinal (Metering Valve)	2	4						Water Closet (Flush Valve)**							
Urinal (Flush Valve)**								Floor Drains	0	0					
Bidet	2							Hot Water Tanks	0	0					
<b>Total</b>								<b>Total</b>							

\*Refer to manufacture recommended water supply size, see BC Plumbing Code Table 2.6.3.2.D & Table 2.6.3.2.A for Hydraulic loads.

\*\*For fixture unit values for fixtures with direct flush valves, see BC Plumbing Code Table 2.6.3.2.(4), Table 2.6.3.2.B and Table 2.6.3.2.C.

**F. Domestic Service Sizing:** New, alterations (addition/removal/re-location), and repair. Refer to BCPC Table 2.6.3.4 for SFD, duplex, and row homes.

<b>Size of Water Service (based on total hydraulic load at 2.4 m/s):</b>	<b>1/2"</b>	<b>3/4"</b>	<b>1"</b>	<b>1 1/4"</b>
<b>Max Hydraulic Load:</b>	<b>7</b>	<b>16</b>	<b>31</b>	<b>57</b>

Total Hydraulic Load \_\_\_\_\_ Sump Pump Installed \_\_\_\_\_  
 Water Service Size \_\_\_\_\_ Backwater Valve Required \_\_\_\_\_  
 Sewer Service Size \_\_\_\_\_ On-Site Waste Water System \_\_\_\_\_

**FAQ Questions:**

- 1. Plumbing:** Plumbing permits are required for the installation, alteration (addition, removal, relocation), or repair of a plumbing system and work shall conform to the current BC Plumbing Code, City of Kamloops Building Bylaw and Regulations. Personal performing the work shall:
  - a. possess a tradesman's qualification as a BC certified plumber
  - b. be an indentured apprentice supervised by a journeyman who meets the criteria set out in clause (a)
  - c. be a registered owner and occupant or intended occupant of the single family dwelling in which the plumbing work will occur, not to include garden suites, secondary suites, commercial, or multi-family.
- 2. Trade Qualification Number (TQ#)**
  - a. a trade contractor who holds a TQ number is a qualified plumber/fire suppression/gas/electrical, etc.
  - b. The TQ number must match the signature on the Plumbing and Trades Application.
  - c. TQ number is always verified through the "[Tradespersons Certificate Industry Training Authority \(I.T.A\)](#)"

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