

Plumbing Data Form - Housing

This form must be completed for all Part 9 housing applications

A. Project Information				
Building number, street name			Unit number	Lot/con.
Municipality		Postal Code	M-Plan/ R-Plan Number	
B. Specify Building / Project Type				
Dwelling Unit: <input type="checkbox"/> New Custom Home: <i>Complete Sections C, E (E1-E3), F</i> <input type="checkbox"/> Addition: <i>Complete Sections C, E (E1-E3), F</i> <input type="checkbox"/> Addition and Alteration: <i>Complete Sections C, D, E (E1-E3), F</i> <input type="checkbox"/> Alteration: <i>Complete Sections C, D, E (E1-E3), F</i>			Accessory Building (with Plumbing): <input type="checkbox"/> Pool Cabana <input type="checkbox"/> Coach House <input type="checkbox"/> Shed / Garage / Other <i>All accessory buildings: Complete Sections C, E (E1-E3), F</i>	
C. Building Drains / Sewers				
Water <input type="checkbox"/> Existing <input type="checkbox"/> New <input type="checkbox"/> Municipal <input type="checkbox"/> Private <input type="checkbox"/> Private (Well)			Sewage <input type="checkbox"/> Existing <input type="checkbox"/> New <input type="checkbox"/> Municipal <input type="checkbox"/> Private Sewer <input type="checkbox"/> Private (Septic)	
D. Fixtures <i>(Only required where interior alterations proposed)</i>				
<i>Fixtures located within an existing dwelling must be included under the Interior Alterations Section. Fixtures in an addition to be noted under New Construction</i>	Number of Fixtures			
	Interior Alterations		New Construction (Addition)	Total Fixtures
	Existing to Remain	New or Relocated		
Backwater valve				
Bathtubs				
Bidets				
Clothes Washers				
Dishwashers				
Floor Drains				
Hot Water Tanks				
Showers				
Sinks, bathroom (lavatories)				
Sinks, bar				
Sinks, kitchen				
Sinks, laundry				
Water Closets				
Sump Pump				
Other (Specify):				
Other (Specify):				
Other (Specify):				
E. Water Service Pipe Sizing				
Size and capacity of potable water system pipe shall be designed in accordance with 7.6.3.1 of Division B of the Ontario Building Code (OBC). Where both hot and cold water is supplied to fixtures in residential buildings containing one or two dwelling units, the water system may be sized in accordance with the tables in Part E1 and E2 of this form, provided, the minimum water pressure at the entry to the building is 200 kPa, the total maximum length of the water system is 90 m and the hydraulic loads for maximum separate demands on water distribution system piping are not less than 100% of the total hydraulic load of the fixture units given in Tables 7.6.3.2.A, 7.6.3.2.B and 7.6.3.2.D, of Division B, of the OBC for private use.				

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E1. Hydraulic Load (Fixture Unit Calculation)

Fixture or Device	Fixture Units	Quantity	Total Hydraulic Load (Fixture Units x Quantity)
Bathroom Group with 6 LPF flush tank*	3.6		
Bathtub with or without shower head	1.4		
Bidet	2		
Clothes washer	1.4		
Dishwasher (domestic)	1.4		
Hose bibb - ½ inch supply	2.5		
Shower head	1.4		
Shower, spray, multi-head, fixture unit per head	1.4		
Sink, bathroom (lavatory)	0.7		
Sink, bar	1		
Sink, kitchen	1.4		
Sink, laundry	1.4		
Water Closet (6 LPF or less with flush tank)	2.2		
Other (Specify):			
Other (Specify):			
Other (Specify):			

Total Fixture Units

(Fixture Units from Table 7.6.3.2.A of Division B of the OBC)

*Bathroom group means a group of plumbing fixtures installed in the same room, consisting of 1 water closet, 1 lavatory (basin) and either 1 bathtub or 1 shower

E2. Sizing of Water Service Pipe

Size of Water Pipe	Water Velocity (m/s)	
	2.4 (copper piping, cold water)	Other Pipe Material*:
	Hydraulic Load (Fixture Units)	
½ inch	Up to 7	
¾ inch	7.1 to 16	
1 inch	16.1 to 31	
1-¼ inch	31.1 to 57	

(Above information obtained from OBC, Division B, Table 7.6.3.4)

*If a water velocity other than 2.4 m/s is proposed, provide documentation showing maximum permitted water velocity with maximum hydraulic loads for each water pipe size as recommended by the pipe and fitting manufacturer

E3. Design of Water Service Pipe

Total Hydraulic Load (Fixture Units):	Water Service Pipe Size (inches):
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F. Designer Signature (Declaration of designer to have reviewed and take responsibility for the design work)

Name	Signature	Date