



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				
Infill Residential Projects <i>(Complete All Sections)</i> <input type="checkbox"/> New Custom Home <input type="checkbox"/> Addition increasing gross floor area by more than 25% <input type="checkbox"/> Addition / Alteration where new construction replaces more than 50% of existing building by demolition		All other Housing Projects <i>(Complete Sections C, D, F)</i> <input type="checkbox"/> Addition increasing gross floor area by less than 25% <input type="checkbox"/> Interior alterations <input type="checkbox"/> Coach House <input type="checkbox"/> Accessory Building with Plumbing		
C. Building Drains / Sewers				
Water		Sewage		
<input type="checkbox"/> Existing	<input type="checkbox"/> Municipal	<input type="checkbox"/> Existing	<input type="checkbox"/> Municipal	
<input type="checkbox"/> New	<input type="checkbox"/> Private	<input type="checkbox"/> New	<input type="checkbox"/> Private Sewer	
	<input type="checkbox"/> Private (Well)		<input type="checkbox"/> Private (Septic)	
D. Fixtures <i>(Only required where interior alterations proposed)</i>				
This section to be completed where interior alterations of existing dwellings are proposed				
<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				



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D. Fixtures (continued)			
<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
Other (Specify):			
Other (Specify):			
Other (Specify):			
E. Water Service Pipe Sizing			
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 ¹	3.6		
Bathtub with or without shower head	1.4		
Bidet	2		
Clothes washer	1.4		
Dishwasher (domestic)	1.4		
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			
<p><i>(Fixture Units from Table 7.6.3.2.A of Division B of the OBC)</i> <i>Note [1]: Bathroom group means a group of plumbing fixtures installed in the same room, consisting of one (1) water closet, one (1) lavatory (basin) and either one (1) bathtub or one (1) shower. Additional fixtures within the bathroom to be counted separately.</i> <i>Fixtures subject to seasonal use (e.g. hose bibb, cabana plumbing fixtures) can be excluded.</i></p>			



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E2. Design of Water Service Pipe

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), following Table A-7.6.3.1. Where the total fixture unit values exceed those given in the Table, the system must be designed according to a detailed engineering design method.

A 19 mm incoming water service is permitted where the total fixtures units does not exceed 26 and supply piping is installed in conformance with OBC, Division B, Sentence 7.6.3.4.(6).

Total Hydraulic Load (Fixture Units):	Incoming Water Pressure ² (kPa):
Total Length of Water Service Pipe ³ (m):	Water Service Pipe Size (mm):

Note [2] Submit written confirmation of incoming water pressure obtained from the Environmental Services Department, System Engineering Section (ESSEDEV@MARKHAM.CA).

Note [3] Total length of water service pipe to be measured from water meter to most remote fixture.

E3. Declaration of Designer

- Designer - BCIN # _____ Professional Engineer
 Submit Schedule 1: Designer Information form Architect

I, _____
First Name Last Name

do hereby declare that the information contained in Section E of this Plumbing Data Form is true to the best of my knowledge and reflects the plumbing fixtures indicated on the drawings submitted with the building permit application.

Date Signature of Designer

F. Declaration of Permit Applicant

I, _____
First Name Last Name

do hereby declare that the information contained in this Plumbing Data Form is true to the best of my knowledge and reflects the plumbing fixtures indicated on the drawings submitted with the building permit application.

Date Signature of Applicant

This is a form prescribed by the Chief Building Official pursuant to the City of Markham Building By-law. Personal information contained in this form is collected under the authority of Subsection 8(1.1) of the *Building Code Act, 1992*, and will be used in the administration and enforcement of the *Building Code Act, 1992*,