

Provisions	Amendments
Division A	
Part 1	
1.1.1.1.	<p>Replace the Article by the following:</p> <p>“1.1.1.1. Application of this Code</p> <p>1) This Code applies to the construction work performed on a <i>plumbing system</i> as provided in section 3.02 of the Construction Code made pursuant to the Building Act (chapter B-1.1).</p> <p>2) In accordance with Part 7 of Division B of the National Building Code of Canada 2020 and except as provided in Sentence (3), every <i>building</i> shall have plumbing facilities.</p> <p>3) If a hot water system is required under the NBC, the facility shall provide an adequate hot water supply.”.</p>
1.2.1.1.	<p>Insert “approved by the Régie du bâtiment du Québec in accordance with section 127 of the Building Act” after “applicable acceptable solutions” in Clause (1)(b).</p>
1.4.1.2.	<p>Strike out the defined term “<i>Care or detention occupancy</i>” in Sentence (1);</p> <hr/> <p>Insert “in inches” after “diameter” in the definition of “<i>Nominal pipe size (NPS)</i>” in Sentence (1);</p> <hr/> <p>Replace “(See Figure A-1.4.1.2.(1)-L” in the definition of “<i>Plumbing system*</i>” by “(See Figures A-1.4.1.2.(1)-L and A-1.4.1.2.(1)-M” in Sentence (1);</p> <hr/> <p>Insert “, retention pit” after “sump” in the definition of “<i>Storm building drain</i>” in Sentence (1).</p>

Provisions	Amendments
Notes to Part 1	
A-1.4.1.2.(1)	<p>Insert the following Figure at the end of the note:</p> <p>“</p> <p>Figure A-1.4.1.2.(1)-M Limit of plumbing system outside a building</p> <p>”</p>
Part 3	
3.2.1.1.	<p>Insert the functional statement</p> <p>“F23 To maintain equipment in place during structural movement.”</p> <p>after</p> <p>“F21 To limit or accommodate dimensional change.”;</p>

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	Insert the following functional statements after the statement “F46 To minimize the risk of contamination of <i>potable water</i> ”: “F60 To control the accumulation and pressure of surface water, groundwater and <i>sewage</i> . F61 To resist the ingress of water or moisture from the exterior or from the ground.”.																																							
Division B																																								
Part 1																																								
1.3.1.2.	Replace the documents concerned by the following in Table 1.3.1.2.: “ <table border="1" data-bbox="451 894 1414 1890"> <tbody> <tr> <td data-bbox="451 894 610 1010">ASME/CSA</td> <td data-bbox="610 894 889 1010">ASME A112.18.1-2018/ CSA B125.1-18</td> <td data-bbox="889 894 1252 1010">Plumbing Supply Fittings</td> <td data-bbox="1252 894 1414 1010">2.2.10.6.(1) 2.2.10.7.(1) 2.2.10.7.(4)</td> </tr> <tr> <td data-bbox="451 1018 610 1150">ASSE/ASME/ CSA</td> <td data-bbox="610 1018 889 1150">ASSE 1016-2017/ ASME A112.1016-2017/ CSA B125.16-17</td> <td data-bbox="889 1018 1252 1150">Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations</td> <td data-bbox="1252 1018 1414 1150">A-2.2.10.6.(3)</td> </tr> <tr> <td data-bbox="451 1159 610 1274">ASSE/ASME/ CSA</td> <td data-bbox="610 1159 889 1274">ASSE 1070-2015/ ASME A112.1070-2015/ CSA B125.70-15</td> <td data-bbox="889 1159 1252 1274">Performance requirements for water temperature limiting devices</td> <td data-bbox="1252 1159 1414 1274">2.2.10.6.(1) 2.2.10.7.(2) 2.2.10.7.(5)</td> </tr> <tr> <td data-bbox="451 1283 610 1379">ASTM</td> <td data-bbox="610 1283 889 1379">B828-16</td> <td data-bbox="889 1283 1252 1379">Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings</td> <td data-bbox="1252 1283 1414 1379">2.3.2.4.(1)</td> </tr> <tr> <td data-bbox="451 1388 610 1463">AWWA</td> <td data-bbox="610 1388 889 1463">ANSI/AWWA C104/ A21.4-16</td> <td data-bbox="889 1388 1252 1463">Cement-Mortar Lining for Ductile-Iron Pipe and Fittings</td> <td data-bbox="1252 1388 1414 1463">2.2.6.4.(2)</td> </tr> <tr> <td data-bbox="451 1472 610 1547">AWWA</td> <td data-bbox="610 1472 889 1547">ANSI/AWWA C111/ A21.11-17</td> <td data-bbox="889 1472 1252 1547">Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings</td> <td data-bbox="1252 1472 1414 1547">2.2.6.4.(4)</td> </tr> <tr> <td data-bbox="451 1556 610 1631">AWWA</td> <td data-bbox="610 1556 889 1631">ANSI/AWWA C151/ A21.51-17</td> <td data-bbox="889 1556 1252 1631">Ductile-Iron Pipe, Centrifugally Cast</td> <td data-bbox="1252 1556 1414 1631">2.2.6.4.(1) A-2.2.5. to 2.2.8.</td> </tr> <tr> <td data-bbox="451 1640 610 1755">AWWA</td> <td data-bbox="610 1640 889 1755">ANSI/AWWA C228-14</td> <td data-bbox="889 1640 1252 1755">Stainless-Steel Pipe Flange Joints for Water Service – Sizes 2 in. through 72 in. (50 mm through 1,800 mm)</td> <td data-bbox="1252 1640 1414 1755">2.2.6.12.(1)</td> </tr> <tr> <td data-bbox="451 1764 610 1890">CCBFC</td> <td data-bbox="610 1764 889 1890">NRCC-CONST-56435E</td> <td data-bbox="889 1764 1252 1890">National Building Code of Canada 2020</td> <td data-bbox="1252 1764 1414 1890">1.1.1.1.(2)⁽³⁾ 1.1.1.1.(3)⁽³⁾ 1.4.1.2.(1)⁽³⁾ A-2.2.1.1.(1)⁽³⁾</td> </tr> </tbody> </table>				ASME/CSA	ASME A112.18.1-2018/ CSA B125.1-18	Plumbing Supply Fittings	2.2.10.6.(1) 2.2.10.7.(1) 2.2.10.7.(4)	ASSE/ASME/ CSA	ASSE 1016-2017/ ASME A112.1016-2017/ CSA B125.16-17	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	A-2.2.10.6.(3)	ASSE/ASME/ CSA	ASSE 1070-2015/ ASME A112.1070-2015/ CSA B125.70-15	Performance requirements for water temperature limiting devices	2.2.10.6.(1) 2.2.10.7.(2) 2.2.10.7.(5)	ASTM	B828-16	Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	2.3.2.4.(1)	AWWA	ANSI/AWWA C104/ A21.4-16	Cement-Mortar Lining for Ductile-Iron Pipe and Fittings	2.2.6.4.(2)	AWWA	ANSI/AWWA C111/ A21.11-17	Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings	2.2.6.4.(4)	AWWA	ANSI/AWWA C151/ A21.51-17	Ductile-Iron Pipe, Centrifugally Cast	2.2.6.4.(1) A-2.2.5. to 2.2.8.	AWWA	ANSI/AWWA C228-14	Stainless-Steel Pipe Flange Joints for Water Service – Sizes 2 in. through 72 in. (50 mm through 1,800 mm)	2.2.6.12.(1)	CCBFC	NRCC-CONST-56435E	National Building Code of Canada 2020	1.1.1.1.(2) ⁽³⁾ 1.1.1.1.(3) ⁽³⁾ 1.4.1.2.(1) ⁽³⁾ A-2.2.1.1.(1) ⁽³⁾
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CSA	B64.4-11	Reduced pressure principle (RP) backflow preventers	2.2.10.10.(1) 2.6.2.4.(2) 2.6.2.4.(4)
CSA	B64.10-17	Selection and installation of backflow preventers	2.6.2.1.(3) 2.6.2.1.(4) 2.6.2.13.(1)
CSA	B70-12	Cast iron soil pipe, fittings, and means of joining	2.2.6.1.(1) 2.2.10.19.(1) A-2.2.5. to 2.2.8.
CSA	B125.3-18	Plumbing fittings	2.2.10.6.(1) 2.2.10.7.(2) 2.2.10.7.(3) 2.2.10.7.(5) 2.2.10.22.(1) A-2.6.1.11.(1)
CSA	CAN/CSA-B128.1-06	Design and Installation of Non-Potable Water Systems	2.7.1.1.(1) 2.7.1.2.(1) A-2.7.1.1.(1)
CSA	B181.1-18	Acrylonitrile-butadiene-styrene (ABS) drain, waste, and vent pipe and pipe fittings	2.2.5.9.(1) 2.2.5.10.(1) 2.2.5.11.(1) 2.2.10.19.(1) A-2.2.5. to 2.2.8. A-2.2.5.9. to 2.2.5.11.
CSA	B181.2-18	Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) drain, waste, and vent pipe and pipe fittings	2.2.5.9.(1) 2.2.5.10.(1) 2.2.5.11.(1) 2.2.5.16.(1) 2.2.5.16.(2) 2.2.10.19.(1) A-2.2.5. to 2.2.8. A-2.2.5.9. to 2.2.5.11.

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	CSA	B182.1-18	Plastic drain and sewer pipe and pipe fittings	2.2.5.9.(1) 2.2.10.19.(1) A-2.2.5. to 2.2.8.
	CSA	B481.3-12	Sizing, selection, location, and installation of grease interceptors	2.2.3.2.(4)
	CSA	CAN/CSA-B483.1-07	Drinking Water Treatment Systems	2.2.10.17.(1) 2.2.10.17.(2) 2.2.10.17.(3) 2.2.10.17.(4)
	CSA/ICC	CSA B805-18/ICC 805-2018	Rainwater harvesting systems	2.7.2.4.(1) 2.7.2.4.(4) A-2.7.2.4.(1)
”;				
<p>Insert the following documents in Table 1.3.1.2., in order of the issuing agencies and document numbers:</p>				
“				
ANSI/ASME	A112.6.2-2000	Framing-Affixed Supports for Off-the-Floor Water Closets with Concealed Tanks	2.2.6.1.(3)	
ANSI/CSA	ANSI Z21.10.1-2017/ CSA 4.1-2017	Gas water heaters, volume I, storage water heaters with input ratings of 75,000 Btu per hour or less	2.2.10.13.(1)	
ANSI/CSA	ANSI Z21.10.3-2017/ CSA 4.3-2017	Gas-fired water heaters, volume III, storage water heaters with input ratings above 75,000 Btu per hour, circulating and instantaneous	2.2.10.13.(1)	
ANSI/UL/ULC	ANSI/CAN/UL/ULC 1201:2016	Sensor Operated Backwater Prevention Systems	2.2.10.19.(1)	
ASME	A112.6.1M-1997	Floor-Affixed Supports for Off-the-Floor Plumbing Fixtures for Public Use	2.2.6.1.(3)	
ASME	A112.6.4-2003	Roof, Deck, And Balcony Drains	2.2.10.21.(1)	
ASME	B16.51-2021	Copper and Copper Alloy Press-Connect Pressure Fittings	2.2.7.10.(1)	
ASSE	1061-2015	Performance Requirements for Push-Fit Fittings	2.2.7.9.(1)	

Provisions	Amendments			
	ASSE	1072-2007	Performance Requirements for Barrier Type Floor Drain Trap Seal Protection Devices	2.2.10.24.(1)
	BNQ	NQ 2622-126-2009	Reinforced Concrete and Unreinforced Concrete Pipe and Monolithic Lateral Connection for Evacuation of Domestic Wastewater and Storm Water	2.2.5.2.(1)
	BNQ	NQ 3623-085-2002	Ductile-Iron Pipe for Water Pressure Piping Systems – Characteristics and Test Methods	2.2.6.4.(1)
	BNQ	BNQ 3624-027-2016	Polyethylene (PE) Pipe for the Transport of Fluids Under Pressure	2.2.5.4.(1)
	BNQ	BNQ 3624-120-2016	Smooth Inside Wall Open-Profile Polyethylene (PE) Pipe and Polyethylene (PE) Fittings for Storm Sewers, Culverts and Soil Drainage	2.2.5.9.(1)
	BNQ	BNQ 3624-130-2015	Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Pipes of 150 mm in Diameter or Smaller	2.2.5.9.(1)
	BNQ	BNQ 3624-135-2015	Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Pipes of 200 mm in Diameter or Larger for Sewage and Soil Drainage	2.2.5.9.(1)
	BNQ	BNQ 3624-250-2015	Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Rigid Pipe for Pressurized Water Supply and Distribution	2.2.5.7.(1)
	CSA/IAPMO	CSA B45.8-13/IAPMO Z403-2013	Terrazzo, concrete, and natural stone plumbing fixtures	2.2.2.2.(1)
	CSA/IAPMO	CSA B45.11-17/IAPMO Z401-2017	Glass plumbing fixtures	2.2.2.2.(1)
	CSA/IAPMO	CSA B45.12-13/IAPMO Z402-2013	Aluminum and copper plumbing fixtures	2.2.2.2.(1)
	CSA	B55.2-15	Drain water heat recovery units	2.2.10.26.(1)
	CSA	B64.1.4-11	Vacuum breaker, air space type (ASVB)	2.2.10.10.(1)
	CSA	B64.10.1-17	Maintenance and field testing of backflow preventors	2.6.2.1.(4) A-2.6.2.1.(3)
	CSA	B79-08	Commercial and residential drains and cleanouts	2.2.10.20.(1)

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	CSA/IAPMO	CSA B125.5-11/IAPMO Z600-11	Flexible water connectors with excess flow shut-off devices	2.2.10.6.(1)				
	CSA	B140.12-03	Oil-Burning Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools	2.2.10.13.(1)				
	CSA	B481 SERIES-12	Grease interceptors	2.2.3.2.(3) A-2.4.4.3.(1)				
	CSA	CAN/CSA-C22.2 N° 110-94	Construction and Test of Electric Storage-Tank Water Heaters	2.2.10.13.(1)				
	CSA	C22.2 N° 64-10	Household cooking and liquid-heating appliances	2.2.10.13.(1)				
	CSA	CAN/CSA-E60335-2-35-01	Safety of Household and Similar Electrical Appliances – Part 2-35: Particular Requirements for Instantaneous Water Heaters	2.2.10.13.(1)				
	ISO	11143-2008	Dentistry — Amalgam separators	2.2.3.2.(5)				
	MSS	SP-58-2009	Pipe Hangers and Supports – Materials, Design, Manufacture, Selection, Application, and Installation	2.2.10.23.(1)				
	NSF	NSF/ANSI 53-2016	Drinking Water Treatment Units - Health Effects	2.2.10.17.(4)				
	NSF	NSF/ANSI 55-2016	Ultraviolet Microbiological Water Treatment Systems	2.2.10.17.(1)				
	NSF	NSF/ANSI 61-2016	Drinking Water System Components – Health Effects	2.2.10.25.(1)				
	NSF	NSF/ANSI 62-2016	Drinking Water Distillation Systems	2.2.10.17.(3)				
	ULC	CAN/ULC-S656-14	Standard for Oil-Water Separators	2.2.3.2.(6)				
	”.							
	<p>Strike out the following document in Table 1.3.1.2.:</p> <p>“</p> <table border="1" data-bbox="451 1671 1416 1759"> <tr> <td data-bbox="451 1671 610 1759">CSA</td> <td data-bbox="610 1671 889 1759">B481.0-12</td> <td data-bbox="889 1671 1252 1759">Material, design, and construction requirements for grease interceptors</td> <td data-bbox="1252 1671 1416 1759">2.2.3.2.(3)</td> </tr> </table> <p style="text-align: right;">”.</p>				CSA	B481.0-12	Material, design, and construction requirements for grease interceptors	2.2.3.2.(3)
CSA	B481.0-12	Material, design, and construction requirements for grease interceptors	2.2.3.2.(3)					

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	<p>Add the following Note to Table 1.3.1.2:</p> <p>“(4) Code reference is in Division C.”.</p>
1.3.2.1.	<p>Insert the following in Sentence (1), in alphabetical order:</p> <p>“BNQ Bureau de normalisation du Québec (www.bnq.qc.ca)”;</p> <p>“CGSB Canadian General Standards Board (www.tpsgc-pwgsc.gc.ca/ongc-cgsb/index-eng.html)”;</p> <p>“ISO International Organization for Standardization (www.iso.org)”;</p> <p>“MSS Manufacturers Standardization Society of the Valve and Fittings Industry (www.mss-hq.com)”.</p>
Part 2	
2.1.4.	<p>Replace the Subsection by the following:</p> <p>“2.1.4. Structural Movement</p> <p>2.1.4.1. Structural Movement</p> <p>1) Plumbing systems of buildings subject to Chapter I of the Construction Code and to which Part 4 of Division B of the NBC applies shall be designed and installed to accommodate the maximum relative structural movement provided for in the construction of the <i>building</i>. (See Article 4.1.3.5., Subsection 4.1.8., Sentence 4.1.3.3.(2) and Note A-6.2.1.4. of Division B of the NBC for information on the types of structural movements that may be encountered.)”.</p>
2.2.2.2.	<p>Replace Clauses (1)(h) and (1)(i) by the following:</p> <p>“h) macerating toilet systems shall conform to ASME A112.3.4/CSA B45.9, “Macerating Toilet Systems and Waste-Pumping Systems for Plumbing Fixtures,”</p> <p>i) toilet seats with bidet functionality shall conform to ASME A112.4.2/CSA B45.16, “Personal hygiene devices for water closets,”</p> <p>j) glass lavatories shall conform to CSA B45.11/IAPMO Z401, “Glass plumbing fixtures,”</p> <p>k) terrazzo, concrete or natural stone plumbing <i>fixtures</i> shall conform to CSA B45.8/IAPMO Z403, “Terrazzo, concrete and natural stone plumbing fixtures,” and</p>

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	<p>l) aluminum or copper plumbing <i>fixtures</i> shall conform to CSA B45.12/IAPMO Z402, "Aluminum and copper plumbing fixtures."".</p>
2.2.3.2.	<p>Replace Sentence (3) by the following:</p> <p>3) Grease <i>interceptors</i> shall conform to CSA B481 Series, "Grease Interceptors." (See Note A-2.2.3.2.(3).</p> <p>4) Grease <i>interceptors</i> shall be selected and installed in conformance with CSA B481.3, "Sizing, Selection, Location, and Installation of Grease Interceptors."</p> <p>5) Amalgam separators shall conform to ISO 11143, "Dentistry — Amalgam separators."</p> <p>6) Oil <i>interceptors</i> shall conform to CAN/ULC-S656, "Standard for Oil-Water Separators."".</p>
2.2.4.2.	<p>Replace "A single" by "Except as provided in Article 2.4.3.7., a single" in Sentence (1).</p>
2.2.4.3.	<p>Add the following at the end of Sentence (1): "The prohibition also applies to any combination of 45° elbows displaying the same characteristics.".</p>
2.2.5.2.	<p>Strike out "or" in Clause (1)(a);</p> <p>Replace Clause (1)(b) by the following:</p> <p>"b) CSA A257.2, "Reinforced circular concrete culvert, storm drain, sewer pipe, and fittings," or</p> <p>c) NQ 2622-126, "Reinforced Concrete and Unreinforced Concrete Pipes and Monolithic Lateral Connections for Evacuation of Domestic Wastewater and Storm Water."".</p>
2.2.5.4.	<p>Replace Sentence (1) by the following:</p> <p>1) Polyethylene water pipe, tubing and fittings shall conform to Series 160 of</p> <p>a) CSA B137.1, "Polyethylene (PE) pipe, tubing, and fittings for cold-water pressure services," or</p> <p>b) BNQ 3624-027, "Polyethylene (PE) Pipe for the Transport of Fluids Under Pressure."".</p>

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2.2.5.7.	<p>Replace Clause (1)(a) by the following:</p> <p>“a) conform to</p> <ul style="list-style-type: none"> i) CSA B137.3, “Rigid polyvinylchloride (PVC) pipe and fittings for pressure applications,” or ii) BNQ 3624-250, “Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Rigid Pipe for Pressurized Water Supply and Distribution,” and”.
2.2.5.9.	<p>Replace Clauses (1)(g) and (1)(h) by the following:</p> <p>“g) CSA B182.6, “Profile polyethylene (PE) sewer pipe and fittings for leak-proof sewer applications,” with a pipe stiffness not less than 320 kPa,</p> <p>h) CSA B182.8, “Profile polyethylene (PE) storm sewer and drainage pipe and fittings,” for Type 1 joints and non-perforated pipes,</p> <p>i) BNQ 3624-120, “Smooth Inside Wall Open-Profile Polyethylene (PE) Pipe and Polyethylene (PE) Fittings for Storm Sewers, Culverts and Soil Drainage,”</p> <p>j) BNQ 3624-130, “Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Pipes of 150 mm in Diameter or Smaller,” or</p> <p>k) BNQ 3624-135, “Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Pipes of 200 mm in Diameter or Larger for Sewage and Soil Drainage.””.</p>
2.2.6.1.	<p>Add the following Sentence:</p> <p>“3) Wall supports for water closets shall conform to</p> <ul style="list-style-type: none"> a) ASME A112.6.1M, “Supports for Off-the-Floor Plumbing Fixtures for Public Use,” or b) ASME A112.6.2, “Framing-Affixed Supports for Off-the-Floor Water Closets with Concealed Tanks.””.
2.2.6.4.	<p>Replace Sentence (1) by the following:</p> <p>“1) Cast-iron water pipes shall conform to</p> <ul style="list-style-type: none"> a) ANSI/AWWA C151/A21.51, “Ductile-Iron Pipe, Centrifugally Cast,” or b) NQ 3623-085, “Ductile-Iron Pipe for Water Pressure Piping Systems – Characteristics and Test Methods.””.

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2.2.6.12.	Replace “Flanges” by “Flange Joints” in Clause (1)(b).
	<p>Add the following Articles:</p> <p>“2.2.7.9. Quick Connection Push-Fit Fittings</p> <p>1) Quick connection push-fit fittings shall conform to ASSE 1061, “Performance Requirements for Push-Fit Fittings.”</p> <p>2.2.7.10. Mechanical Press Fittings</p> <p>1) Mechanical press fittings shall conform to ASME B16.51, “Copper and Copper Alloy Press-Connect Pressure Fittings.””.</p>
2.2.10.5.	<p>Replace Sentence (1) by the following:</p> <p>“1) A saddle hub or fitting shall not be installed in <i>drainage, venting or water systems</i> except at the point of connection for standpipe systems. (See Note A-2.2.10.5.(1).)”.</p>
2.2.10.6.	<p>Replace Clauses (1)(a) and (1)(b) by the following:</p> <p>a) ASME A112.18.1/CSA B125.1, “Plumbing Supply Fittings,”</p> <p>b) CSA B125.3, “Plumbing fittings,”</p> <p>c) CSA B125.5/IAPMO Z600, “Flexible water connectors with excess flow shut-off devices,” or</p> <p>d) ASSE 1070/ASME 112.1070/CSA B125.70, “Performance requirements for water temperature limiting devices.””.</p>
2.2.10.7.	<p>Replace the Article by the following:</p> <p>“2.2.10.7. Water Temperature Control</p> <p>(See Note A-2.2.10.7.)</p> <p>1) Except as provided in Sentences (2) to (4), valves supplying shower heads or bathtubs shall</p> <p>a) be of the pressure-balanced, thermostatic, or combination pressure-balanced/thermostatic type, and</p> <p>b) conform to ASME A112.18.1/CAN/CSA B125.1, “Plumbing Supply Fittings.”</p>

Provisions	Amendments
	<p>2) Valves supplying only bathtubs need not be of one of the types referred to in Sentence (1) if the hot water supply is controlled by</p> <ul style="list-style-type: none"> a) a thermostatic-mixing valve conforming to CSA B125.3, “Plumbing Fittings,” or b) an automatic temperature-limiting device conforming to ASSE 1070/ASME A112.1070/CSA B125.70, “Performance requirements for water temperature limiting devices.” <p>3) Valves supplying only shower heads need not be of one of the types referred to in Sentence (1) if the water supply is controlled by an automatic compensating valve conforming to CSA B125.3, “Plumbing fittings.”</p> <p>4) Except as provided in Sentence (5), valves supplying shower heads or bathtubs of a care occupancy or private seniors’ residence within the meaning of the Act respecting health services and social services (chapter S-4.2) shall</p> <ul style="list-style-type: none"> a) be of the thermostatic or combination pressure-balanced/thermostatic type, and b) conform to ASME A112.18.1/CAN/CSA B125.1, “Plumbing Supply Fittings.” <p>5) Valves supplying only bathtubs of a care occupancy or private seniors’ residence and installed within the limits of a bathroom need not be of one of the types referred to in Sentence (4) if the hot water supply is controlled by</p> <ul style="list-style-type: none"> a) a thermostatic-mixing valve conforming to CSA B125.3, “Plumbing Fittings,” or b) an automatic temperature-limiting device conforming to ASSE 1070/ASME A112.1070/CSA B125.70, “Performance requirements for water temperature limiting devices.” <p>6) Valves, mixing valves and limiting devices shall be adjusted to provide a water outlet temperature that does not exceed</p> <ul style="list-style-type: none"> a) 49°C when subject to Sentences (1) to (3), or b) 43°C when subject to Sentences (4) and (5).”
2.2.10.10.	<p>Replace Sentence (1) by the following:</p> <p>“1) Except as provided in Sentence (2), <i>back-siphonage preventers</i> and <i>backflow preventers</i> shall conform to</p> <ul style="list-style-type: none"> a) CSA B64.0, “Definitions, general requirements, and test methods for vacuum breakers and backflow preventers,”

Provisions	Amendments
	<ul style="list-style-type: none"> b) CSA B64.1.1, "Atmospheric vacuum breakers (AVB)," c) CSA B64.1.2, "Pressure vacuum breakers (PVB)," d) CSA B64.1.3, "Spill-resistant pressure vacuum breakers (SRPVB)," e) CSA B64.1.4, "Vacuum breaker, air space type (ASVB)," f) CSA B64.2, "Hose connection vacuum breakers (HCVB)," g) CSA B64.2.1, "Hose connection vacuum breakers (HCVB) with manual draining feature," h) CSA B64.2.2, "Hose connection vacuum breakers (HCVB) with automatic draining feature," i) CSA B64.3, "Dual check valve backflow preventers with atmospheric port (DCAP)," j) CSA B64.4, "Reduced pressure principle (RP) backflow preventers," k) CSA B64.4.1, "Reduced pressure principle backflow preventers for fire protection systems (RPF)," l) CSA B64.5, "Double check valve (DCVA) backflow preventers," m) CSA B64.5.1, "Double check valve backflow preventers for fire protection systems (DCVAF)," n) CSA B64.6, "Dual check valve (DuC) backflow preventers," o) CSA B64.6.1, "Dual check valve backflow preventers for fire protection systems (DuCF)," p) CSA B64.7, "Laboratory faucet vacuum breakers (LFVB)," q) CSA B64.8, "Dual check valve backflow preventers with intermediate vent (DuCV)," or r) CSA B64.9, "Single check valve backflow preventers for fire protection systems (SCVAF)."
2.2.10.13.	<p>Replace the Article by the following:</p> <p>“2.2.10.13. Service Water Heaters</p> <p>1) <i>Service water heaters</i> shall conform to</p> <ul style="list-style-type: none"> a) ANSI Z21.10.1/CSA 4.1, "Gas water heaters, volume I, storage water heaters with input ratings of 75,000 Btu per hour or less," b) ANSI Z21.10.3/CSA 4.3, "Gas water heaters, volume III, storage water heaters with input ratings above 75,000 Btu per hour, circulating and instantaneous,"

Provisions	Amendments
	<ul style="list-style-type: none"> c) CAN/CSA-C22.2 No. 110, "Construction and Test of Electric Storage-Tank Water Heaters," d) CSA B140.12, "Oil-Burning Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools," e) CAN/CSA-F379 SERIES, "Packaged solar domestic hot water systems (liquid-to-liquid heat transfer)," f) CSA C22.2 No. 64, "Household cooking and liquid-heating appliances," or g) CAN/CSA-E60335-2-35, "Safety of Household and Similar Electrical Appliances – Part 2-35: Particular Requirements for Instantaneous Water Heaters."".
2.2.10.17.	<p>Replace the Article by the following:</p> <p>“2.2.10.17. Drinking Water Treatment Systems</p> <p>1) <i>Potable</i> water disinfection units using ultraviolet designed to meet the requirements of the Regulation respecting the quality of drinking water (chapter Q-2, r. 40) shall conform to</p> <ul style="list-style-type: none"> a) NSF/ANSI 55, "Ultraviolet Microbiological Water Treatment Systems," or b) CAN/CSA-B483.1, "Drinking Water Treatment Systems," if they are designed to be installed at the point of use. <p>2) Reverse osmosis <i>potable</i> water treatment systems installed at the point of use and designed to meet the requirements of the Regulation respecting the quality of drinking water shall conform to CAN/CSA-B483.1, "Drinking Water Treatment Systems."</p> <p>3) <i>Potable</i> water distillation systems designed to meet the requirements of the Regulation respecting the quality of drinking water shall conform to</p> <ul style="list-style-type: none"> a) NSF/ANSI 62, "Drinking Water Distillation Systems," or b) CAN/CSA-B483.1, "Drinking Water Treatment Systems," if they are designed to be installed at the point of use. <p>4) <i>Potable</i> water treatment units not covered by Sentences (1) to (3) and designed to meet the requirements of the Regulation respecting the quality of drinking water shall conform to</p> <ul style="list-style-type: none"> a) NSF/ANSI 53, "Drinking Water Treatment Units - Health Effects," or b) CAN/CSA-B483.1, "Drinking Water Treatment Systems," if they are designed to be installed at the point of use."

Provisions	Amendments
	<p>Insert the following Articles:</p> <p>2.2.10.19. Backwater Valves</p> <p>1) <i>Backwater valves</i> shall conform to</p> <p>a) CSA B70, “Cast iron soil pipe, fittings, and means of joining,”</p> <p>b) CSA B181.1, “Acrylonitrile-butadiene-styrene (ABS) drain, waste, and vent pipe and pipe fittings,”</p> <p>c) CSA B181.2, “Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) drain, waste, and vent pipe and pipe fittings,”</p> <p>d) CSA B182.1, “Plastic drain and sewer pipe and pipe fittings,” or</p> <p>e) ANSI/CAN/UL/ULC 1201, “Sensor Operated Backwater Prevention Systems.”</p> <p>2.2.10.20. Floor Drains and Shower Drains</p> <p>1) Floor drains, including <i>emergency floor drains</i>, and shower drains installed on the floor shall conform to CSA B79, “Commercial and residential drains and cleanouts.”</p> <p>2.2.10.21. Roof Drains</p> <p>1) <i>Roof drains</i> shall conform to ASME A112.6.4, “Roof, Deck, and Balcony Drains.”</p> <p>2.2.10.22. Trap Seal Primer Devices</p> <p>1) Trap seal primer devices shall conform to CSA B125.3, “Plumbing fittings.”</p> <p>2.2.10.23. Pipe Hangers and Supports</p> <p>1) Manufactured pipe hangers and supports shall conform to MSS SP-58, “Pipe Hangers and Supports – Materials, Design, Manufacture, Selection, Application, and Installation.”</p>

Provisions	Amendments
	<p>2.2.10.24. Floor Drain Trap Seals</p> <p>1) Floor drain <i>trap</i> seals used to maintain <i>trap seal depth</i> shall conform to ASSE 1072, “Performance Requirements for Barrier Type Floor Drain Trap Seal Protection Devices.”</p> <p>2.2.10.25. Expansion Tanks</p> <p>1) Expansion tanks for <i>potable water distribution systems</i> shall conform to NSF/ANSI 61, “Drinking Water System Components – Health Effects.”</p> <p>2.2.10.26. Heat Recovery Units</p> <p>1) Vertical drain water heat recovery units shall conform to CSA B55.2, “Drain water heat recovery units.”.</p>
2.3.2.4.	Replace “Specification” by “Practice” in Sentence (1).
2.3.4.5.	Replace “Les suspentes des tuyaux <i>d’allure horizontale</i> ” in Sentence (5) in the French text by “Lorsque des suspentes pour tuyaux <i>d’allure horizontale</i> sont utilisées, elles”
2.3.6.1.	Replace “a water pressure test or an air pressure test” in Sentence (1) by “a water pressure test, a smoke pressure test or an air pressure test”.
2.3.6.2.	Insert “, smoke test” after “air pressure test” in Sentence (1).
2.3.6.3.	Insert “, smoke test” after “air pressure test” in Sentence (1).
	<p>Add the following Article:</p> <p>“2.3.6.8. Smoke Tests</p> <p>1) Where a smoke test is made</p> <p>a) smoke from smoke-generating machines shall be forced into the system, and</p> <p>b) a pressure equivalent to a 25 mm water column shall be maintained.”.</p>

Provisions	Amendments
2.4.2.1.	Insert “(see Note A-2.4.2.1.(1)(a)(i) and (e))” in Subclause (1)(a)(i) after “ <i>system</i> ”;
	Strike out “(see Note A-2.4.2.1.(1)(a)(ii) and (e)(vi)” in Subclause (1)(a)(ii);
	<p>Replace Subclauses (1)(e)(v) and (1)(e)(vi) by the following:</p> <p>“ v) a water treatment device, vi) a drain or overflow from a <i>water system</i> or a heating system, vii) a drain from an ice machine, or viii) a drain from a heating, air-conditioning or ventilation system (see Note A-2.4.2.1.(1)(a)(i) and (e)).”;</p>
	<p>Replace Sentence (2) by the following:</p> <p>“2) Where the upper vertical part of an offset <i>stack</i> receives water from <i>fixtures</i> from more than one <i>storey</i>, a connection in that offset <i>stack</i> shall not be less than 1.5 m downstream from the base of the upper section of the <i>stack</i> or from another connection receiving <i>sewage</i> from another <i>stack</i> connected to the <i>offset</i>. (See Note A-2.4.2.1.(2).)”.</p>
	Insert “or dishwashing sink” after “more than one clothes washer” in the text preceding Clause (4)(a);
<p>Insert the following Sentences:</p> <p>“6) Every connection at the bottom of a <i>stack</i> shall be more than 1.5 m in a <i>building drain</i> or a <i>branch</i> receiving <i>sewage</i> from the <i>stack</i>. (See Note A-2.4.2.1.(6).)</p> <p>7) Every <i>trap arm</i> of a bathtub, shower, bidet, floor drain or service sink installed on the floor shall have a <i>nominally horizontal</i> part not less than 450 mm in <i>developed length</i>. The <i>developed length</i> of the <i>trap arm</i> of a floor drain shall be increased to 1.5 m if it is connected less than 3 m downstream from the bottom of a <i>stack</i> or a <i>leader</i>. (See Note A-2.4.2.1.(7).)”.</p>	

Provisions	Amendments
2.4.2.3.	<p>Replace Sentences (1) to (3) by the following:</p> <p>“1) Two or more <i>fixture outlet pipes</i> that serve outlets from a single <i>fixture</i> that is listed in Clause 2.4.2.1.(1)(e) are permitted to be <i>directly connected</i> to a <i>branch</i> that</p> <ul style="list-style-type: none"> a) has a <i>nominal pipe size</i> of not less than <i>NPS 1¼</i>, b) is terminated above the <i>flood level rim</i> of a <i>directly connected fixture</i> to form an <i>air break</i>, and c) is located in the same room or <i>suite</i>. <p>2) <i>Fixture drains</i> from <i>fixtures</i> that are listed in Subclauses 2.4.2.1.(1)(e)(i) and (e)(ii) are permitted to be <i>directly connected</i> to a pipe that</p> <ul style="list-style-type: none"> a) is terminated to form an <i>air break</i> above the <i>flood level rim</i> of a <i>fixture</i> that is <i>directly connected</i> to a <i>sanitary drainage system</i>, b) is extended through the roof when <i>fixtures</i> on 3 or more <i>storeys</i> are connected to it (see Note A-2.4.2.1.(1)(a)(i) and (e)), and c) is located in the same room or <i>suite</i>. <p>3) <i>Fixture drains</i> from <i>fixtures</i> that are listed in Subclauses 2.4.2.1.(1)(e)(iii) to (e)(viii) are permitted to be <i>directly connected</i> to a pipe that</p> <ul style="list-style-type: none"> a) is terminated to form an <i>air break</i> above the <i>flood level rim</i> of a <i>fixture</i> that is <i>directly connected</i> to a <i>storm drainage system</i>, b) is extended through the roof when <i>fixtures</i> on 3 or more <i>storeys</i> are connected to it, and c) is located in the same room or <i>suite</i>.”
	<p>Add the following Article:</p> <p>“2.4.2.4. Toilet Wall Supports</p> <p>1) Toilet wall supports shall be fixed to the structural elements of the <i>building</i> to prevent stress from being transmitted to the <i>plumbing system</i>.”.</p>

Provisions	Amendments
2.4.3.5.	<p>Replace the title by the following: “2.4.3.5. Macerating Toilets and Macerating Systems”.</p> <hr/> <p>Replace “macerating toilet system shall only be installed” in Sentence (1) by “macerating toilet or macerating system shall only be installed”.</p>
2.4.3.6.	<p>Replace “that connects the sump well to the <i>drainage system</i>” in Clause (1)(b) by “that connects the pit to the sump well”.</p>
	<p>Insert the following Article:</p> <p>“2.4.3.7. Retention Pit</p> <p>1) A retention pit shall be made in one piece, be leakproof and smooth inside. Its length shall not be less than 600 mm and its minimum width shall not be less than 450 mm, the length being taken in the direction of its <i>fixture drain</i>. A round retention pit shall be not less than 560 mm diam.</p> <p>2) The <i>fixture drain</i> of the retention pit shall be not less than <i>NPS 3</i> and be protected by a reversed sanitary T fitting with a <i>cleanout</i> at the end or by a 100 mm-deep running <i>trap</i> with <i>cleanout</i>. The <i>fixture drain</i> shall be <i>NPS 4</i> if the retention pit receives <i>storm water</i>. Despite the foregoing, for a single-family house, the <i>fixture drain</i> may be <i>NPS 3</i>.</p> <p>3) Except as provided in Sentence (6), a reversed sanitary T fitting shall be located inside the retention pit and the running <i>trap</i> may be located inside or outside the retention pit. In the last case, the <i>trap cleanout</i> shall be extended to the floor level. The retention pit shall have a running <i>trap</i> where it is connected to an oil <i>interceptor</i>.</p> <p>4) The lower end of the reversed sanitary T fitting shall be placed 150 mm or more from the bottom of the retention pit. In the case of a retention pit that receives water from a <i>subsoil drainage pipe</i>, the reversed sanitary T fitting shall be placed 75 mm or more from the bottom of the retention pit. For a running <i>trap</i>, the upper end of the <i>trap</i> shall be placed not less than 300 mm from the bottom of the retention pit.</p> <p>5) The retention pit shall be covered, at the floor or ground level, by a cover designed to withstand the intended loads.</p> <p>6) The <i>fixture drain</i> of a retention pit exposed to frost shall have a <i>trap</i> inside the <i>building</i>, unless it drains into another retention pit that is not exposed.</p>

Provisions	Amendments
	<p>7) The <i>fixture drain</i> of a retention pit shall be <i>directly connected</i> to the <i>drainage system</i> and drain into it by gravity or in the manner described in Article 2.4.6.3.</p> <p>8) The invert of a discharge pipe connected to a retention pit shall be higher than the invert of the <i>fixture drain</i>.</p> <p>9) Except as provided in Sentence (2), a retention pit shall have a <i>fixture drain</i> of <i>NPS 3</i> for a draining area not more than 370 m². For a <i>fixture drain</i> more than <i>NPS 3</i>, the drained area may be increased by 280 m² per additional <i>NPS</i>.</p> <p>10) The requirements of Clause 2.5.1.1.(3)(c) do not apply to a retention pit used as a floor drain.</p> <p>11) Retention pits to which a <i>subsoil drainage pipe</i> is connected shall have</p> <ul style="list-style-type: none"> a) an air-tight cover, and b) a <i>vent pipe</i> at least <i>NPS 1½</i> if the content of the retention pit is pumped.”
2.4.4.1.	<p>Insert the following Sentences:</p> <p>2) Every beauty parlour lavatory shall be equipped with a hair <i>interceptor</i>.</p> <p>3) Every <i>fixture</i> that can receive dental amalgam waste shall have an amalgam <i>interceptor</i>.”.</p>
2.4.5.3.	<p>Insert “or a retention pit” after “a trapped sump” in Sentence (1).</p>
2.4.5.5.	<p>Strike out “or” in Clause (1)(b);</p> <hr/> <p>Replace Clause (1)(c) by the following:</p> <ul style="list-style-type: none"> “c) using a floor drain trap seal, or d) other equally effective means.” <hr/> <p>Add the following Sentence:</p> <p>2) Water from the <i>trap</i> seal of a floor drain in a <i>dwelling unit</i> need not be maintained by a <i>trap</i> seal primer. (See Note A-2.4.5.5.(2).)”.</p>

Provisions	Amendments
2.4.6.3.	<p>Replace Sentence (3) by the following:</p> <p>“3) Every sump or receiving tank to which a <i>subsoil drainage pipe</i> is connected shall have</p> <p>a) an air tight cover, and</p> <p>b) a <i>vent pipe</i> at least <i>NPS 1½</i> if the sump or tank is pumped.”.</p>
2.4.6.4.	<p>Replace Sentences (1) to (5) by the following:</p> <p>“2.4.6.4. Protection from Backflow</p> <p>1) Except as provided in Sentences (2), (3), (6) and (7), where a <i>fixture</i>, a retention pit, a sump or running <i>trap</i> is located below the <i>flood level rim</i> of the adjoining street or <i>private sewage disposal system</i>, a gate valve or a <i>backwater valve</i> shall be installed on every drain connected to a <i>building drain</i> or a <i>branch</i>.</p> <p>2) Where more than one <i>fixture</i> is located on a <i>storey</i> and all are connected to the same <i>branch</i>, the gate valve or the <i>backwater valve</i> is permitted to be installed on the <i>branch</i>.</p> <p>3) A <i>subsoil drainage pipe</i> that drains into a <i>sanitary drainage system</i> that is subject to surcharge shall be connected in such a manner that <i>sewage</i> cannot back up into the <i>subsoil drainage pipe</i>. (See Note A-2.4.6.4.(3).)</p> <p>4) Except as permitted in Sentence (5), a <i>backwater valve</i> or a gate valve that would prevent the free circulation of air shall not be installed in a <i>building drain</i> or in a <i>building sewer</i>.</p> <p>5) A <i>backwater valve</i> is permitted to be installed in a <i>building drain</i>, provided that</p> <p>a) it is a “normally open” design, and</p> <p>b) it does not serve more than one <i>dwelling unit</i>.</p> <p>6) Where the <i>fixture</i> is a floor drain, a removable screw cap is permitted to be installed on the upstream side of the <i>trap</i>.</p> <p>7) The installation of a gate valve or a <i>backwater valve</i> covered by Sentence (1) is not required if the <i>building drain</i> is protected from <i>backflows</i> in accordance with Sentence (5).”.</p>
2.4.7.1.	<p>Add the following Sentence:</p> <p>“12) In a separate system, a <i>storm building drain</i> shall be located to the left of the <i>sanitary building drain</i>, towards the street, from the <i>building</i>.”</p>

Provisions	Amendments
2.4.10.3.	Replace “an air-conditioning <i>fixture</i> ” in Sentence (1) by “an air-conditioning equipment”.
2.4.10.4.	<p>Replace Sentence (4) by the following:</p> <p>“4) Where the height of the parapet is more than 150 mm or exceeds the height of the adjacent wall flashing, emergency roof overflows or scuppers described in Clause (2)(c) shall be provided.”.</p>
2.5.2.1.	Replace “2.5.8.1.” in Clauses (1)(a) and (1)(f) by “2.5.8.1.-A or 2.5.8.1.-B”;
	<p>Replace Clauses (1)(d) and (1)(e) by the following:</p> <p>“d) the <i>trap arms</i> of the water closets connected to a vertical pipe are installed downstream of all other <i>fixtures</i>,</p> <p>e) <i>trap arms</i> and <i>fixture drains</i> do not exceed <i>NPS 2</i> when connected to a <i>wet vent</i> that extends above more than 1 <i>storey</i>, except for connections from <i>emergency floor drains</i> in accordance with Sentence 2.5.1.1.(3),”;</p>
	<p>Replace Clauses (1)(j) and (1)(k) by the following:</p> <p>“j) the <i>nominal pipe size</i> of the wet-vented portion is not reduced, except for the portion that is upstream of <i>emergency floor drains</i> in accordance with Sentence 2.5.1.1.(3),</p> <p>k) the length of the <i>wet vent</i> is not limited,</p> <p>l) the portion of the <i>stack</i> having a <i>wet vent</i> that extends through more than one <i>storey</i> is the same <i>NPS</i> from its bottom to the uppermost connection of a <i>fixture</i>,</p> <p>m) it is extended as a <i>stack vent</i> or as a <i>continuous vent</i>, and</p> <p>n) <i>trap arms</i> are connected separately and directly to the <i>wet vent</i>.”.</p>
2.5.6.2.	<p>Add the following Sentence:</p> <p>“4) The plumbing <i>venting system</i> shall not be used in other systems.”.</p>
2.5.6.5.	Add “, except pipes 4 in and bigger that may be of the same <i>NPS</i> ,” at the end of Clause (6)(a).”.

Provisions	Amendments																																			
2.5.7.3.	Replace “2.5.8.1.” in Sentence (2) by “2.5.8.1.-A or 2.5.8.1.-B”.																																			
2.5.8.1.	<p data-bbox="448 407 911 436">Replace the Article by the following:</p> <p data-bbox="448 457 789 487">“2.5.8.1. Hydraulic Loads</p> <p data-bbox="448 508 1360 575">1) The hydraulic load that drains to a <i>wet vent</i> shall conform to Table 2.5.8.1.-A or 2.5.8.1.-B.</p> <p data-bbox="448 596 1409 701">2) When determining the <i>nominal pipe size</i> of a <i>wet vent</i>, the hydraulic load from the most downstream <i>fixture</i> or symmetrically connected <i>fixtures</i> shall not be included. (See Note A-2.5.8.1.(2).)</p> <p data-bbox="483 802 1386 882" style="text-align: center;"> Table 2.5.8.1.-A Maximum Permitted Hydraulic Loads Drained to a Wet Vent Serving Fixtures on the Same Storey Forming Part of Sentences 2.5.7.3.(2) and 2.5.8.1.(1) </p> <table border="1" data-bbox="451 898 1416 1129"> <thead> <tr> <th data-bbox="457 907 935 940"><i>Nominal Pipe Size of Wet Vent, NPS</i></th> <th data-bbox="941 907 1409 940">Maximum Hydraulic Load, <i>fixture units</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="457 949 935 982">1¼</td> <td data-bbox="941 949 1409 982">1</td> </tr> <tr> <td data-bbox="457 991 935 1024">1½</td> <td data-bbox="941 991 1409 1024">2</td> </tr> <tr> <td data-bbox="457 1033 935 1066">2</td> <td data-bbox="941 1033 1409 1066">5</td> </tr> <tr> <td data-bbox="457 1075 935 1108">3</td> <td data-bbox="941 1075 1409 1108">18</td> </tr> <tr> <td data-bbox="457 1117 935 1150">4</td> <td data-bbox="941 1117 1409 1150">120</td> </tr> </tbody> </table> <p data-bbox="656 1163 1214 1247" style="text-align: center;"> Table 2.5.8.1.-B Maximum Permitted Hydraulic Loads Drained to a Wet Vent Forming Part of Sentences 2.5.7.3.(2) and 2.5.8.1.(1) </p> <table border="1" data-bbox="451 1264 1416 1629"> <thead> <tr> <th data-bbox="457 1272 773 1402" rowspan="2"><i>Nominal Pipe Size of Wet Vent, NPS</i></th> <th colspan="2" data-bbox="779 1272 1409 1306">Maximum Hydraulic Load, <i>fixture units</i></th> </tr> <tr> <th data-bbox="779 1314 1094 1402">Not Serving Water Closets</th> <th data-bbox="1101 1314 1409 1402"><i>Fixtures, Other Than Water Closets, That Serve Not More Than 2 Water Closets</i></th> </tr> </thead> <tbody> <tr> <td data-bbox="457 1411 773 1444">1½</td> <td data-bbox="779 1411 1094 1444">2</td> <td data-bbox="1101 1411 1409 1444">n/a</td> </tr> <tr> <td data-bbox="457 1453 773 1486">2</td> <td data-bbox="779 1453 1094 1486">4</td> <td data-bbox="1101 1453 1409 1486">3</td> </tr> <tr> <td data-bbox="457 1495 773 1528">3</td> <td data-bbox="779 1495 1094 1528">12</td> <td data-bbox="1101 1495 1409 1528">8</td> </tr> <tr> <td data-bbox="457 1537 773 1570">4</td> <td data-bbox="779 1537 1094 1570">36</td> <td data-bbox="1101 1537 1409 1570">14</td> </tr> <tr> <td data-bbox="457 1579 773 1612">5</td> <td data-bbox="779 1579 1094 1612">n/a</td> <td data-bbox="1101 1579 1409 1612">18</td> </tr> <tr> <td data-bbox="457 1621 773 1654">6</td> <td data-bbox="779 1621 1094 1654">n/a</td> <td data-bbox="1101 1621 1409 1654">23</td> </tr> </tbody> </table>	<i>Nominal Pipe Size of Wet Vent, NPS</i>	Maximum Hydraulic Load, <i>fixture units</i>	1¼	1	1½	2	2	5	3	18	4	120	<i>Nominal Pipe Size of Wet Vent, NPS</i>	Maximum Hydraulic Load, <i>fixture units</i>		Not Serving Water Closets	<i>Fixtures, Other Than Water Closets, That Serve Not More Than 2 Water Closets</i>	1½	2	n/a	2	4	3	3	12	8	4	36	14	5	n/a	18	6	n/a	23
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5	n/a	18																																		
6	n/a	23																																		

Provisions	Amendments												
2.5.8.4.	<p>Add the following Sentence:</p> <p>“5) At least one <i>stack</i> or vertical <i>sanitary drainage pipe</i> shall extend into a <i>stack vent</i> or into a <i>vent pipe</i> that is terminated in open air. That <i>stack</i> or vertical <i>sanitary drainage pipe</i> shall be not less than <i>NPS 3</i> up to the outlet on the roof.”.</p>												
2.5.9.2.	<p>Replace Clauses (1)(c) and (1)(d) by the following:</p> <p>“c) <i>fixtures</i> in one- and two-family dwellings during renovation work only, or</p> <p>d) <i>fixtures</i> in an existing <i>building</i> where connection to a vent may not be practical.”.</p>												
2.6.1.1.	<p>Add the following Sentences:</p> <p>“3) In a hot <i>water distribution system</i> with a recirculation loop, the temperature of the water being recirculated shall not be less than 55°C at any point of the system.</p> <p>4) The recirculation loop covered by Sentence (3) may be replaced by a self-regulating heat tracing system.”.</p>												
2.6.1.6.	<p>Replace Table 2.6.1.6. by the following:</p> <p>“</p> <table border="1" data-bbox="451 1241 1414 1499"> <thead> <tr> <th data-bbox="451 1241 935 1287"><i>Fixtures</i></th> <th data-bbox="940 1241 1414 1287">Maximum Water Usage per Flush Cycle, Lpf</th> </tr> </thead> <tbody> <tr> <td data-bbox="451 1293 935 1325">Water closets – <i>dwelling units</i></td> <td data-bbox="940 1293 1414 1325"></td> </tr> <tr> <td data-bbox="451 1331 935 1362"> single-flush</td> <td data-bbox="940 1331 1414 1362">4.8</td> </tr> <tr> <td data-bbox="451 1369 935 1400"> dual-flush</td> <td data-bbox="940 1369 1414 1400">6.0/4.1</td> </tr> <tr> <td data-bbox="451 1407 935 1459">Water closets – industrial, commercial, institutional, residential other than <i>dwelling units</i></td> <td data-bbox="940 1407 1414 1459">4.8</td> </tr> <tr> <td data-bbox="451 1465 935 1497">Urinals</td> <td data-bbox="940 1465 1414 1497">1.9</td> </tr> </tbody> </table> <p>”.</p>	<i>Fixtures</i>	Maximum Water Usage per Flush Cycle, Lpf	Water closets – <i>dwelling units</i>		single-flush	4.8	dual-flush	6.0/4.1	Water closets – industrial, commercial, institutional, residential other than <i>dwelling units</i>	4.8	Urinals	1.9
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Provisions	Amendments
	<p>Replace Sentence (4) by the following:</p> <p>“4) In industrial, commercial and institutional <i>buildings</i>, and residential occupancies other than <i>dwelling units</i>, a maximum water usage of 6.0 Lpf shall be permitted for single-flush water closets where it can be demonstrated that a maximum water usage of 4.8 Lpf could lead to blockage given the configuration of the <i>drainage system</i> or municipal infrastructure.”.</p>
2.6.1.7.	<p>Replace Clauses (1)(a) and (1)(b) by the following:</p> <p>“a) designed to open when the water pressure in the tank reaches the rated working pressure of the tank,</p> <p>b) so located that the pressure in the tank shall not exceed the pressure at the relief valve by more than 35 kPa under any condition of flow within the distribution system,</p> <p>c) that has a drainage pipe complying with the requirements of Sentence (5).”;</p> <hr/> <p>Replace “The drain pan” in the text preceding Clause (10)(a) by “Except as permitted in Sentence (11), the drain pan”;</p> <hr/> <p>Insert “without being less than <i>NPS 1¼</i>,” in Clause (10)(b) after “discharge pipe”;</p> <hr/> <p>Add the following Sentence:</p> <p>“11) The drain pan is not required to have a <i>fixture drain</i> where the relief valve discharge pipe conforms to Sentence (5).”.</p>
2.6.1.9.	<p>Replace Sentence (1) by the following:</p> <p>“1) <i>Water distribution systems</i> shall be protected from the adverse effects of water hammer by prefabricated water-hammer arrester. (See Note A-2.6.1.9.(1).)”.</p>
2.6.1.12.	<p>Replace Sentence (1) by the following:</p> <p>“1) The temperature control device for <i>service water heaters</i> shall be set so that the temperature of stored water is not less than 60°C. (See Note A-2.6.1.12.(1).)</p>

Provisions	Amendments
	<p>2) Drain water heat recovery units shall only be used to supply <i>service water heaters</i>.”.</p>
2.6.2.1.	<p>Add “(See Note A-2.6.2.1.(3).)” at the end of Sentence (3).</p> <hr/> <p>Add the following Sentence:</p> <p>“4) In the case of <i>backflow preventers</i> that, according to CSA B64.10, “Selection and Installation of Backflow Prevention Devices,” require testing after installation, the person testing the <i>backflow preventers</i> shall hold a certificate issued in accordance with CSA B64.10.1, “Maintenance and field testing of backflow preventers,” by an organization or association certified by AWWA.”.</p>
2.6.2.2.	<p>Replace Clauses (2)(j) and (2)(k) by the following:</p> <p>“j) a laboratory faucet type <i>vacuum breaker</i>,</p> <p>k) a dual <i>check valve backflow preventer</i> with vent, or</p> <p>l) an air space type <i>vacuum breaker</i>.”.</p>
2.6.2.4.	<p>Replace Sentence (4) by the following:</p> <p>“4) Where a reduced pressure principle <i>backflow preventer</i> is required on a <i>water service pipe</i> at a fire service connection located on the same premises as the <i>fire service pipe</i> in <i>Class 3, 4, 5 and 6 fire sprinkler/standpipe systems</i>, a reduced pressure principle <i>backflow preventer</i> conforming to the following standards shall also be required on the fire service connection:</p> <p>a) CSA B64.4, “Reduced pressure principle (RP) backflow preventers,” or</p> <p>b) CSA B64.4.1, “Reduced pressure principle backflow preventers for fire protection systems (RPF).”.</p>
	<p>Add the following Article:</p> <p>“2.6.2.13. Personal Hygiene Devices</p> <p>1) Water closet personal hygiene devices connected to a <i>potable water system</i> shall have a <i>backflow preventer</i> conforming to CSA B64.10, “Selection and installation of backflow preventers.”.</p>

Provisions	Amendments																																											
2.6.3.2.	<p data-bbox="448 310 1331 382">Replace “in Table 2.6.3.2.-A” in Sentence (2) by “in Table 2.6.3.2.-A, 2.6.3.2.-B or 2.6.3.2.-C”;</p> <hr/> <p data-bbox="448 453 555 487">Replace</p> <p data-bbox="448 504 457 520">“</p> <table border="1" data-bbox="448 554 1419 646"> <tr> <td data-bbox="448 554 685 646">Bathtub with NPS ¾ spout</td> <td data-bbox="691 554 789 646">¾</td> <td data-bbox="795 554 893 646">7.5</td> <td data-bbox="899 554 997 646">7.5</td> <td data-bbox="1003 554 1101 646">10</td> <td data-bbox="1107 554 1205 646">7.5</td> <td data-bbox="1211 554 1308 646">7.5</td> <td data-bbox="1315 554 1419 646">10</td> </tr> </table> <p data-bbox="1406 663 1419 680">”</p> <p data-bbox="448 718 954 751">in Table 2.6.3.2.-A by the following line:</p> <p data-bbox="448 768 457 785">“</p> <table border="1" data-bbox="448 819 1419 911"> <tr> <td data-bbox="448 819 685 911">Bathtub with NPS ¾ spout</td> <td data-bbox="691 819 789 911">¾</td> <td data-bbox="795 819 893 911">2.25</td> <td data-bbox="899 819 997 911">2.25</td> <td data-bbox="1003 819 1101 911">3</td> <td data-bbox="1107 819 1205 911">4.5</td> <td data-bbox="1211 819 1308 911">4.5</td> <td data-bbox="1315 819 1419 911">6</td> </tr> </table> <p data-bbox="1406 928 1419 945">”;</p> <hr/> <p data-bbox="448 1037 1195 1071">Replace Tables 2.6.3.2.-B and 2.6.3.2.-C by the following:</p> <p data-bbox="448 1087 457 1104">“</p> <p data-bbox="594 1138 1276 1222" style="text-align: center;"> Table 2.6.3.2.-B Sizing of Water Distribution Systems for Urinals with Direct Flush Valves Forming Part of Sentences 2.6.3.2.(4) and 2.6.3.4.(5) </p> <table border="1" data-bbox="448 1239 1419 1528"> <thead> <tr> <th data-bbox="448 1239 685 1402" rowspan="2">Minimum Nominal Pipe Size of Supply Pipe, NPS</th> <th colspan="3" data-bbox="691 1239 1052 1331"><i>Private Use Hydraulic Load, fixture units</i></th> <th colspan="3" data-bbox="1058 1239 1419 1331"><i>Public Use Hydraulic Load, fixture units</i></th> </tr> <tr> <th data-bbox="691 1339 808 1402">Cold</th> <th data-bbox="815 1339 932 1402">Hot</th> <th data-bbox="938 1339 1052 1402">Total</th> <th data-bbox="1058 1339 1175 1402">Cold</th> <th data-bbox="1182 1339 1299 1402">Hot</th> <th data-bbox="1305 1339 1419 1402">Total</th> </tr> </thead> <tbody> <tr> <td data-bbox="448 1411 685 1465">¾</td> <td data-bbox="691 1411 808 1465">n/a</td> <td data-bbox="815 1411 932 1465">n/a</td> <td data-bbox="938 1411 1052 1465">n/a</td> <td data-bbox="1058 1411 1175 1465">5</td> <td data-bbox="1182 1411 1299 1465">n/a</td> <td data-bbox="1305 1411 1419 1465">5</td> </tr> <tr> <td data-bbox="448 1474 685 1528">½</td> <td data-bbox="691 1474 808 1528">2</td> <td data-bbox="815 1474 932 1528">n/a</td> <td data-bbox="938 1474 1052 1528">2</td> <td data-bbox="1058 1474 1175 1528">4</td> <td data-bbox="1182 1474 1299 1528">n/a</td> <td data-bbox="1305 1474 1419 1528">4</td> </tr> </tbody> </table>	Bathtub with NPS ¾ spout	¾	7.5	7.5	10	7.5	7.5	10	Bathtub with NPS ¾ spout	¾	2.25	2.25	3	4.5	4.5	6	Minimum Nominal Pipe Size of Supply Pipe, NPS	<i>Private Use Hydraulic Load, fixture units</i>			<i>Public Use Hydraulic Load, fixture units</i>			Cold	Hot	Total	Cold	Hot	Total	¾	n/a	n/a	n/a	5	n/a	5	½	2	n/a	2	4	n/a	4
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Provisions	Amendments																				
	<p style="text-align: center;">Table 2.6.3.2.-C Sizing of Water Distribution Systems for Water Closets with Direct Flush Valves Forming Part of Sentences 2.6.3.2.(4) and 2.6.3.4.(5)</p> <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2" style="width: 20%;">Minimum Nominal Pipe Size of Supply Pipe, NPS</th> <th colspan="3" style="width: 30%;">Private Use Hydraulic Load, fixture units</th> <th colspan="3" style="width: 30%;">Public Use Hydraulic Load, fixture units</th> </tr> <tr> <th style="width: 10%;">Cold</th> <th style="width: 10%;">Hot</th> <th style="width: 10%;">Total</th> <th style="width: 10%;">Cold</th> <th style="width: 10%;">Hot</th> <th style="width: 10%;">Total</th> </tr> </thead> <tbody> <tr> <td style="text-align: center;">1</td> <td style="text-align: center;">6</td> <td style="text-align: center;">n/a</td> <td style="text-align: center;">6</td> <td style="text-align: center;">10</td> <td style="text-align: center;">n/a</td> <td style="text-align: center;">10</td> </tr> </tbody> </table>	Minimum Nominal Pipe Size of Supply Pipe, NPS	Private Use Hydraulic Load, fixture units			Public Use Hydraulic Load, fixture units			Cold	Hot	Total	Cold	Hot	Total	1	6	n/a	6	10	n/a	10
Minimum Nominal Pipe Size of Supply Pipe, NPS	Private Use Hydraulic Load, fixture units			Public Use Hydraulic Load, fixture units																	
	Cold	Hot	Total	Cold	Hot	Total															
1	6	n/a	6	10	n/a	10															
2.6.3.4.	Add “, 2.6.3.2.-B, 2.6.3.2.-C or 2.6.3.2.-D” in Sentence (2) after “2.6.3.2.-A”.																				
2.6.3.5.	Add “without ever exceeding 3 m/s” in Sentence (1) after “manufacturer”.																				
2.7.1.1.	<p>Replace Sentences (1) and (2) by the following:</p> <p>“1) Non-potable water systems shall be designed, fabricated and installed in accordance with this Subsection and with good engineering practices such as those described in the ASHRAE Handbooks, the ASPE Handbooks and CAN/CSA-B128.1, “Design and Installation of Non-Potable Water Systems.” (See Note A-2.7.1.1.(1).)</p> <p>2) Except as provided in Sentence (3), non-potable water systems shall only be used to supply water closets, urinals, <i>trap seal primers</i>, <i>directly connected</i> underground irrigation systems that only dispense water below the surface of the ground, closed hydronic systems (heating and air-conditioning), and lavatories in tourist establishments covered by Chapter V.1 of the Regulation respecting the quality of drinking water (chapter Q-2, r. 40).”</p> <hr/> <p>Replace Sentence (3) by the following:</p> <p>“3) Non-potable water systems shall not be used to supply <i>fixtures</i> in <i>buildings</i> used for one of the occupancies provided for in Article 3.1.2.1. of Division B of the NBC and classified as one of the following <i>buildings</i> or occupancies:</p> <ul style="list-style-type: none"> a) hospitals, b) long-term care centres, c) private seniors’ residences, 																				

Provisions	Amendments
	<p>d) healthcare occupancies, e) social service occupancies, f) blood transfusion facilities, g) medical and human specimen laboratories, h) dental offices, i) educational buildings including preschool, j) childcare facilities, k) childcare centres, and l) daycare centres.”;</p> <hr/> <p>Insert “also” in Sentence (4) after “non-potable water system is”.</p>
2.7.2.1.	Insert “tank” in Sentence (2) after “barrel”.
2.7.2.2.	<p>Replace Clauses (1)(e) to (1)(h) by the following: “e) underground irrigation systems, or f) closed hydronic systems.”.</p>
2.7.2.3.	Add “and cause a health hazard” in Sentence (2) after “use”.
2.7.2.4.	<p>Replace “good engineering practice. » in Sentence (1) by “and CSA B805/ICC 805, “Rainwater harvesting systems.”;</p> <hr/> <p>Replace Sentence (4) by the following: “4) Except as provided in Sentence (3), non-potable rainwater harvesting systems shall be provided with a means to treat the harvested rainwater in such a manner that the quality of the non-potable water conforms to the water treatment and quality requirements stated in CSA B805/ICC 805, “Rainwater harvesting systems.” (See Note A-2.7.2.2.(1) and 2.7.2.4.(3) and (4).);</p> <hr/> <p>Replace “lieu d’élimination” in Clause (7)(d) in the French text by “point de rejet”;</p>

Provisions	Amendments
	<p>Replace Sentence (8) by the following:</p> <p>“8) Where the storage tank outlet is located below the level of the adjoining street, the storage tank overflow required by Sentence (7) shall terminate with an indirect connection above a floor drain, sump, or other safe location with an <i>air break</i>.”.</p>
2.8.1.1.	<p>Replace the title of the appropriate Article in Table 2.8.1.1.. by the following:</p> <p>“2.4.3.5. Macerating Toilets and Macerating Systems”;</p> <hr/> <p>Replace respectively, in numerical order, the titles, objectives and functional statements in Table 2.8.1.1. by the following:</p> <p>“2.1.4.1. Structural Movement</p> <p>(1) [F23,F43-OS3.4] [F23-OH1.1] [F23-OH2.1,OH2.4] [F23-OH5] [F43-OH2.1,OH2.4] [F43-OH5] [F23,F43-OP5]”;</p> <p>“2.2.10.13. Service Water Heaters</p> <p>(1) [F31,F81-OS3.2] [F43-OS3.4] [F46-OH2.2] [F80,F81-OP5]”;</p> <p>“2.2.10.17. Drinking Water Treatment Systems</p> <p>(1) [F70,F81,F46-OH2.1,OH2.2,OH2.3] (2) [F70,F81,F46-OH2.1,OH2.2,OH2.3] (3) [F70,F81,F46-OH2.1,OH2.2,OH2.3] (4) [F70,F81,F46-OH2.1,OH2.2,OH2.3] (5) [F70,F81,F46-OH2.1,OH2.2,OH2.3]”;</p> <hr/> <p>Replace the attributions for the Article concerned below by the following in Table 2.8.1.1.:</p> <p>“2.2.3.2. Interceptors</p>

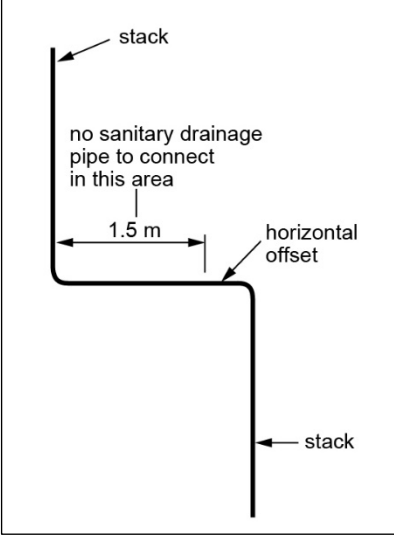
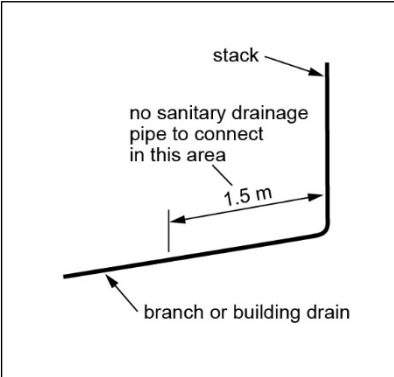
Provisions	Amendments
	<p>(1) [F81-OH2.1,OH2.3,OH2.4]</p> <p>(2) [F81-OH2.1,OH2.3,OH2.4] [F46-OH2.2]</p> <p>(3) [F81-OH2.1,OH2.3,OH2.4]</p> <p>(4) [F81-OH2.1]</p> <p>(5) [F80-OH2.1,OH2.3,OH2.4] [F43-OH5]</p> <p>(6) [F80-OH2.1,OH2.3,OH2.4]”;</p> <p>“2.2.10.7. Water Temperature Control</p> <p>(1) [F30,F31,F80-OS3.1,OS3.2]</p> <p>(2) [F31,F80-OS3.2]</p> <p>(3) [F30,F31,F80-OS3.1,OS3.2]</p> <p>(4) [F30,F31,F80-OS3.1,OS3.2]</p> <p>(5) [F31,F80-OS3.2]</p> <p>(6) [F31-OS3.2]”;</p> <p>“2.4.5.2. Traps for Storm Drainage Systems</p> <p>(3) [F81-OP5]”;</p> <p>“2.4.5.3. Connection of Subsoil Drainage Pipe to a Sanitary Drainage System</p> <p>(1) [F81-OH2.1]”;</p> <p>“2.4.5.4. Location and Cleanout for Building Traps</p> <p>(1) [F81-OH1.1] [F81-OH2.1]”;</p> <p>“2.4.6.3. Sumps or Tanks</p> <p>(2) [F81-OH2.1] Applies to the watertightness of sumps or tanks.</p> <p>(3) [F81-OH2.1]</p> <p>(8) [F43-OH1.1] [F81-OH2.1]”;</p> <p>“2.4.10.4. Hydraulic Loads from Roofs or Paved Surfaces</p> <p>(4) [F20,F81-OP5] [F20,F81-OS2.1]”;</p> <p>“2.6.3.3. Static Pressure</p> <p>(1) [F81-OS3.2]”;</p>

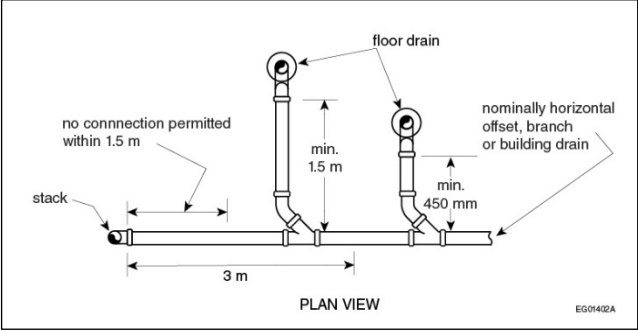
Provisions	Amendments
	<p>Insert respectively, in numerical order, the following objectives and functional statements in Table 2.8.1.1.:</p> <p>“2.2.6.1. Cast-Iron Drainage and Vent Pipe and Fittings</p> <p>(3) [F20-OH2.1,OH2.3]”;</p> <p>“2.4.2.1. Connections to Sanitary Drainage Systems</p> <p>(6) [F81-OH1.1]</p> <p>(7) [F81-OH1.1]”;</p> <p>“2.4.4.1. Sewage Treatment</p> <p>(2) [F81-OH2.1]</p> <p>(3) [F81-OH2.1]”;</p> <p>“2.4.5.5. Trap Seals</p> <p>(2) [F81-OH1.1]”;</p> <p>“2.4.6.4. Protection from Backflow</p> <p>(7) [F81-OH2.1]”;</p> <p>“2.4.7.1. Cleanouts for Drainage Systems</p> <p>(12) [F62-OH1.1]</p> <p>[F72-OH2.3]”;</p> <p>“2.5.6.2. Vent Pipe Connections</p> <p>(4) [F43-OS3.4,OH1.1]”;</p> <p>“2.6.1.1. Design</p> <p>(3) [F40-OH1.1]</p> <p>(4) [F40-OH1.1]”;</p> <p>“2.6.1.12. Service Water Heaters</p> <p>(2) [F30,F31-OS3.1,OS3.2]</p> <p>[F46-OH1.1]”;</p>
	<p>Insert, in numerical order, the following Articles, objectives and functional statements in Table 2.8.1.1.:</p> <p>“2.2.7.9. Quick Connection Push-Fit Fittings</p> <p>(1) [F46-OH2.2]</p> <p>[F80-OP5]”;</p>

Provisions	Amendments
	<p>“2.2.7.10. Mechanical Press Fittings (1) [F46-OH2.2] [F80-OP5]”;</p> <p>“2.2.10.19. Backwater Valves (1) [F80-OH2.1]”;</p> <p>“2.2.10.20. Floor Drains and Shower Drains (1) [F80-OH2.1,OH2.4]”;</p> <p>“2.2.10.21. Roof Drains (1) [F80-OP5] [F80-OS2.1]”;</p> <p>“2.2.10.22. Trap Seal Primer Devices (1) [F80-OH1.1]”;</p> <p>“2.2.10.23. Pipe Supports and Hangers (1) [F20-OH2.1] [F20-OS3.1] [F80-OP5]”;</p> <p>“2.2.10.24. Floor Drain Trap Seals (1) [F80,F82-OH1.1]”;</p> <p>“2.2.10.25. Expansion Tanks (1) [F80,F82-OH1.1]”;</p> <p>“2.2.10.26. Heat Recovery Units (1) [F80,F82-OH1.1]”;</p> <p>“2.3.6.8. Smoke Tests (1) [F81-OH1.1] [F81-OH2.1,OH2.3]”;</p> <p>“2.4.2.4. Toilet Wall Supports (1) [F20,F81-OH2.1,OH2.3]”;</p> <p>“2.4.3.7. Retention Pits (1) [F60,F61-OH1.1] (2) [F81-OH1.1] [F81-OH2.1] (3) [F81-OH1.1]</p>

Provisions	Amendments
	<p>(4) [F81-OH1.1] (5) [F40-OH1.1] [F30-OS3.1] (6) [F81-OH2.1,OH2.3] [F81-OP5] (7) [F81-OH2.1,OH2.2] [F72-OH2.1] (8) [F81-OH2.1] (9) [F72-OH2.1] [F81-OS2.1] [F81-OP5] (10) [F81-OH1.1] (11) [F43-OH1.1] [F81-OH2.1]”;</p> <p>Strike out the following objective and functional statement in Table 2.8.1.1.: “2.4.7.2. Size and Spacing of Cleanouts (5) [F81-OH2.1]”.</p>
Notes to Part 2	
A-2.2.5.15.(1)	Replace “ Tube ” by “ Tubes and Fittings ” in the title of the Note.
A-2.2.10.5.(1)	Replace “ ou ” in the title of the Note in the French text by “ et ”.
A-2.2.10.7.	<p>Replace the Note by the following:</p> <p>“A-2.2.10.7. Water Temperature Control. Hot water produced by a service water heater shall be at a minimum temperature of 60°C to prevent the development of potentially fatal bacteria. At that temperature, water causes second degree burns to the skin in 1 to 5 seconds. Consequently, Article 2.2.10.7. provides for the installation and adjustment of valves, mixing valves and limiting devices to provide a water outlet temperature that is lower than the temperature produced by a service water heater. Compliance with that Article reduces the risk of scalding in showers and</p>

Provisions	Amendments
	<p>bathtubs, where severe burns occur, and reduces the risk of thermal shock that may occur in the shower and lead to falls.</p> <p>Children, the elderly and handicapped persons are particularly at risk of scald burns because they are not always able to remove themselves quickly from a situation that could lead to burns. At 49°C, the time for a scald burn to occur on a healthy adult is nearly 10 minutes, whereas the time for a skin burn to occur on an elderly is 3 minutes, because the elderly's skin is thinner and less vascularized. For those persons, a temperature of 43°C provides a more adapted protection against burns because they can only occur after a number of hours of exposure.</p> <p>In private seniors' residences and care occupancies, Article 2.2.10.7. provides that the valves and thermostatic-mixing valves shall be adjusted to provide a maximum water outlet temperature at 43°C. The installation of pressure-balanced valves is also prohibited, because those valves are sensitive to seasonal changes of the cold water temperature and require some settings per year in order not to exceed the prescribed temperature.</p> <p>The water outlet temperature at other fixtures, such as lavatories, sinks, laundry trays or bidets, is not addressed by Article 2.2.10.7., but a scald risk may exist at such fixtures nonetheless.”.</p>
<p>A- 2.4.2.1.(1)(a)(ii) and (e)(vi)</p>	<p>Replace “(1)(a)(ii) and (e)(vi)” wherever it appears in the Note by “(1)(a)(i) and (e)”.</p>

Provisions	Amendments
<p>A-2.4.2.1.(2)</p>	<p>Replace Figure A-2.4.2.1.(2) by the following:</p> <p>“</p>  <p>”</p>
	<p>Add the following Notes:</p> <p>“A-2.4.2.1.(6) Sanitary drainage pipe connections at the bottom of a stack.</p>  <p>Figure A-2.4.2.1.(6) Sanitary drainage pipe connections at the bottom of a stack</p>

Provisions	Amendments
	<p>A-2.4.2.1.(7) Sanitary drainage pipe connections.</p>  <p>Figure A-2.4.2.1.(7) Sanitary drainage pipe connections</p>
A-2.4.4.3.(1)	Replace “Grease Interceptors.”” in the Note by “Grease Interceptors,” or CSA B481 SERIES, “Grease interceptors.””.
A-2.4.5.1.(5)	Replace “A-2.4.2.1.(1)(a)(ii) and (e)(vi)” in the Note by “A-2.4.2.1.(1)(a)(i) and (e)”.
A-2.4.5.3.(1)	<p>Replace the Note by the following:</p> <p>“A-2.4.5.3.(1) Connection of Subsoil Drainage Pipe to a Drainage System. This Code does not regulate the installation of subsoil drainage pipes, but does regulate the connection of such pipes to the plumbing system. The intent of this Article is to place a trap between the subsoil drainage pipe and the storm water or combined system. The cleanout must be installed in accordance with Sentence 2.4.7.1.(2).</p>

Provisions	Amendments
	<p>The diagrams illustrate the connection of a subsoil drainage pipe to a drainage system. The first plan view shows a rectangular subsoil drainage pipe layout. The second plan view shows a detailed connection from a storm building drain through a footing, using a trap with an upstream cleanout, a backwater valve, and an adapter to connect to a subsoil drainage pipe. The third plan view shows a retention pit (600 mm x 450 mm or 560 mm diameter) with a backwater valve and a storm building drain. The cross section shows the vertical arrangement of the subsoil drainage pipe, a non-perforated pipe connecting to a retention pit, an access cover, and a backwater valve.</p> <p>Figure A-2.4.5.3.(1) Connection of subsoil drainage pipe to a drainage system”.</p>
	<p>Add the following Note:</p> <p>“A-2.4.5.5.(2) Maintaining Trap Seals in Floor Drains in Dwelling Units. Periodic manual replenishment of the water in a trap maintains the trap seal in floor drains in dwelling units.”.</p>

Provisions

Amendments

A-2.4.8.2.(1)

Replace the Note by the following:

“A-2.4.8.2.(1) Island Fixture Installation.

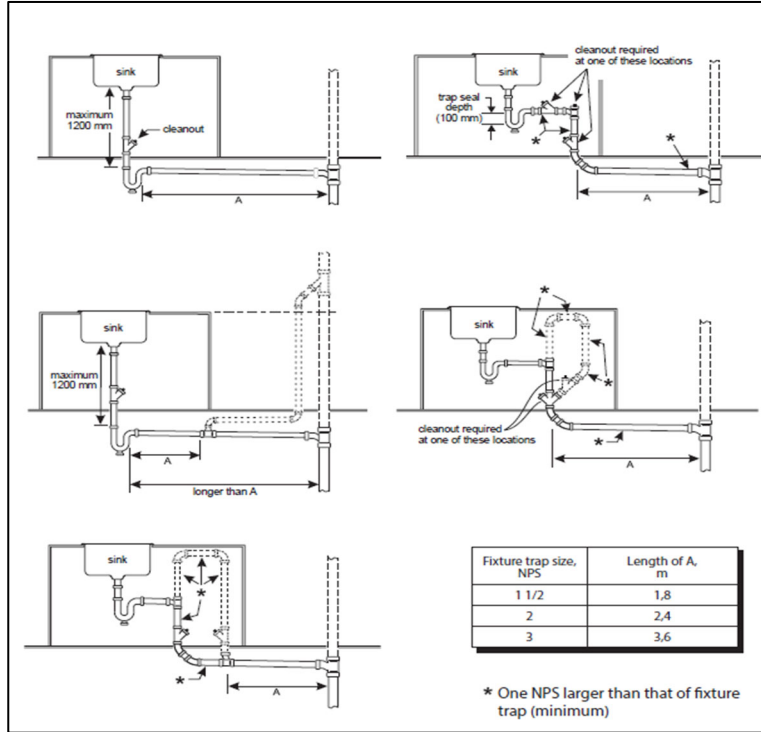
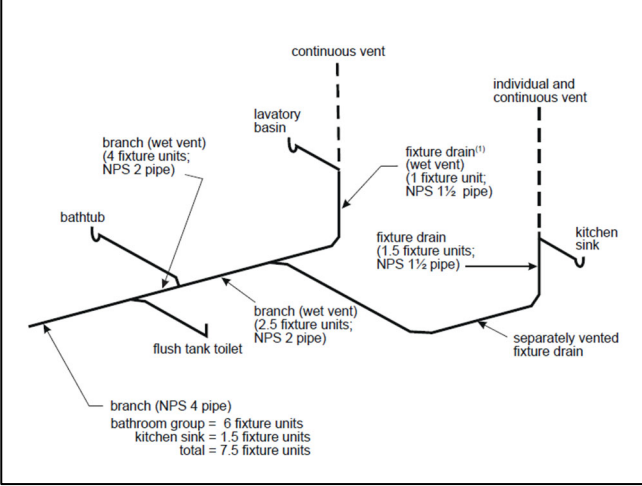
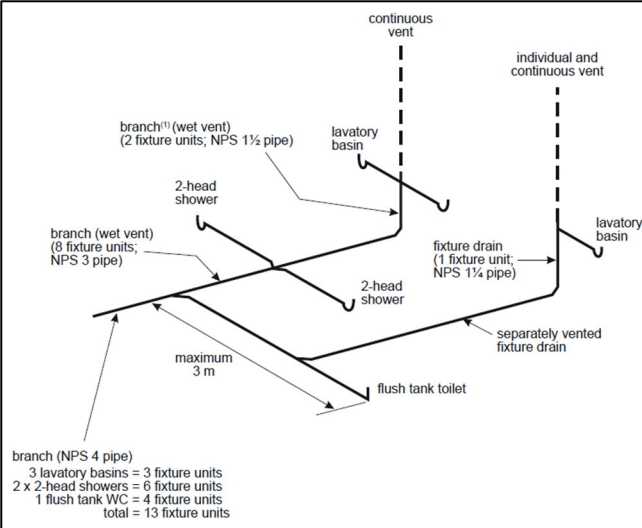


Figure A-2.4.8.2.(1)

Island fixture installation

”

Provisions	Amendments
<p>A-2.5.2.1.</p>	<p>Replace Figure A-2.5.2.1.-E by the following:</p> <p>“</p>  <p>continuous vent</p> <p>lavatory basin</p> <p>branch (wet vent) (4 fixture units; NPS 2 pipe)</p> <p>bathtub</p> <p>flush tank toilet</p> <p>branch (wet vent) (2.5 fixture units; NPS 2 pipe)</p> <p>branch (NPS 4 pipe) bathroom group = 6 fixture units kitchen sink = 1.5 fixture units total = 7.5 fixture units</p> <p>fixture drain⁽¹⁾ (1 fixture unit; NPS 1½ pipe)</p> <p>fixture drain (1.5 fixture units; NPS 1½ pipe)</p> <p>separately vented fixture drain</p> <p>individual and continuous vent</p> <p>kitchen sink</p> <p>”</p>
	<p>Replace Figure A-2.5.2.1.-F by the following:</p> <p>“</p>  <p>continuous vent</p> <p>individual and continuous vent</p> <p>branch⁽¹⁾ (wet vent) (2 fixture units; NPS 1½ pipe)</p> <p>lavatory basin</p> <p>2-head shower</p> <p>branch (wet vent) (8 fixture units; NPS 3 pipe)</p> <p>2-head shower</p> <p>flush tank toilet</p> <p>maximum 3 m</p> <p>branch (NPS 4 pipe) 3 lavatory basins = 3 fixture units 2 x 2-head showers = 6 fixture units 1 flush tank WC = 4 fixture units total = 13 fixture units</p> <p>fixture drain (1 fixture unit; NPS 1¼ pipe)</p> <p>separately vented fixture drain</p> <p>lavatory basin</p> <p>”</p>

Provisions	Amendments
A-2.6.1.12.(1)	<p>Replace the Note by the following:</p> <p>“A-2.6.1.12.(1) Service Water Heaters. Storing hot water at temperatures below 60°C in the hot water tank or in the delivery system may lead to the growth of legionella bacteria. Water heated at a temperature equal to or greater than 60°C reduces bacterial contamination of the hot water distribution system.”.</p>
	<p>Insert the following Note:</p> <p>“A-2.6.2.1.(3) Backflow preventers. CSA B64.10.1, “Maintenance and field testing of backflow preventers,” contains the methods of maintenance and field testing of backflow preventers.”.</p>
A-2.6.3.1.(2)	<p>Insert the following paragraph under “Small Building Method”:</p> <p>““Small building” means a building used for Group A, D, E, or F, Division 2 or 3, occupancy described in Subsection 3.1.2. of Division B of the NBC, not more than 3 storeys in building height (according to the definition of the NBC), and having a building area not more than 600 m².”.</p>
A-2.7.1.1.(1)	<p>Replace the title by the following:</p> <p>“A-2.7.1.1.(1) Design, Manufacture and Installation.”.</p> <hr/> <p>Replace “of good engineering practice in the” in the text by “relating to”;</p> <hr/> <p>Add the following at the end of the Note:</p> <p>“Article 2.7.1.1. applies to non-potable water systems, regardless of the origin of the water. The non-potable water must meet applicable water quality standards as determined by an authority having jurisdiction.”.</p>
A-2.7.2.4.(1)	<p>Replace the title of the Note by the following:</p> <p>“A-2.7.2.4.(1) Examples Relating to Design.”;</p> <hr/> <p>Replace “of good engineering practice in the” in the text by “relating to”;</p> <hr/> <p>Strike out “de l’art” in the French text.</p>

Provisions	Amendments
Division C	
Part 2	
2.2.1.	Strike out this Subsection.
2.2.2.	<p>Replace this Subsection by the following:</p> <p>“2.2.2. Plans and Specifications</p> <p>2.2.2.1. Requirements</p> <p>1) Except as provided in Sentence (2), a plumbing contractor or owner-builder may not begin construction work on a <i>plumbing system</i> to which Chapter III of the Construction Code applies unless there are plans and specifications for the work, prepared by a recognized person, if the total hydraulic load to be installed exceeds 180 <i>fixture units</i>.</p> <p>2) Sentence (1) does not apply to construction work on a <i>plumbing system</i> in a <i>building</i> to which Part 9 of Division B of the NBC applies.</p> <p>3) When required, the plans and specifications shall be available on the worksite.</p> <p>4) For the purposes of this Subsection, every engineer who is a member of the Ordre des ingénieurs du Québec is recognized <i>ex officio</i>.</p> <p>2.2.2.2. Content</p> <p>1) Plans shall be drawn to scale and show</p> <p>a) a plan view of the location and dimension of the drains and <i>cleanouts</i>, the location of <i>fixtures</i> and the <i>water distribution system</i>,</p> <p>b) an elevation view of the location of <i>fixtures</i> and <i>traps</i>, the dimension of drains, <i>leaders</i>, <i>stacks</i>, <i>stack vents</i> and <i>vent stacks</i> as well as the <i>water distribution system</i>, and</p> <p>c) the connection of the <i>subsoil drainage pipe</i> if it enters the <i>building</i>.</p>

Provisions	Amendments
	<p>2.2.3. Approval of Materials</p> <p>2.2.3.1. Approved Materials, Fixtures and Facilities used in a Plumbing System</p> <p>1) In a <i>plumbing system</i>, only materials, fixtures or facilities that are certified or approved by one of the following organizations may be used:</p> <ul style="list-style-type: none"> a) Canadian Gas Association (CGA), b) Bureau de normalisation du Québec (BNQ), c) CSA Group (CSA), d) IAPMO Group (UPC), e) ICC Evaluation Service (ICC-ES), f) Underwriters' Laboratories of Canada (ULC), g) LabTest Certification Inc. (LC), h) NSF International (NSF), i) Canadian General Standards Board (CGSB), j) Quality Auditing Institute (QAI), k) Intertek Testing Services NA Ltd. (ETL), l) Underwriters Laboratories Inc. (UL), m) Water Quality Association (WQA), or n) any other organization accredited by the Standards Council of Canada as a certifying organization in the field of plumbing which has notified the Régie du bâtiment du Québec of its accreditation. A list of these organizations is published on the Board's website. <p>2.2.3.2. Sale and Lease</p> <p>1) Materials, fixtures or facilities that may be used in a <i>plumbing system</i> shall be certified or approved by an organization listed in Sentence 2.2.3.1.(1) before being sold or leased.</p>

Provisions	Amendments
	<p>2.2.4. Declaration of Work</p> <p>2.2.4.1. Application</p> <p>1) A plumbing contractor or owner-builder shall declare to the Régie du bâtiment du Québec all construction work performed and to which Chapter III of the Construction Code applies if the work pertains to a new <i>plumbing system</i> or requires the replacement of a <i>service water heater</i> or pipes.</p> <p>2.2.4.2. Submission of the Declaration</p> <p>1) The declaration required under Article 2.2.4.1. shall be forwarded to the Régie du bâtiment du Québec not later than the twentieth day of the month following the date on which work starts.</p> <p>2.2.4.3. Form</p> <p>1) The declaration of work shall be made on the form provided by the Régie du bâtiment du Québec or on any other document prepared for that purpose.</p> <p>2.2.4.4. Content</p> <p>1) The declaration shall contain</p> <ol style="list-style-type: none"> a) the address of the site where the work is performed, b) the name, address and telephone number of the person for whom the work is performed, c) the name, address, telephone number and licence number of the plumbing contractor or owner-builder, where applicable, d) the estimated start and end dates of the construction work, e) the nature and type of the work, f) the <i>occupancy</i> of the <i>building</i> or facility intended for use by the public and the existing and planned number of <i>storeys</i>, and g) the number of <i>fixtures</i> and <i>service water heaters</i> to be installed.

Provisions	Amendments
	<p>2.2.5. Fees Payable</p> <p>2.2.5.1. Calculation</p> <p>1) The following fees shall be paid to the Régie du bâtiment du Québec by the plumbing contractor or owner-builder, when the plumbing contractor declares the construction work pertaining to <i>plumbing systems</i> for which a declaration is required under Article 2.2.4.1.:</p> <ul style="list-style-type: none"> a) \$173.62 for a new single-family detached or semi-detached house or row house, b) \$105.10 per <i>dwelling unit</i> other than those covered by Clause (a) for the construction of a new <i>building</i> intended for housing or for the conversion of a <i>building</i> of another nature into a <i>building</i> intended for housing, regardless of the number of <i>fixtures</i> and <i>service water heaters</i>, or c) in the case of work other than work covered by Clauses (a) and (b), <ul style="list-style-type: none"> i) \$13.94 per <i>fixture</i> or <i>service water heater</i>, where the work is performed on more than one, or ii) \$23.91 where the work is performed on only one or no <i>fixture</i> or <i>service water heater</i>. <p>2) A plumbing contractor or owner-builder shall pay the following inspection fees to the Régie du bâtiment du Québec for the inspection of a <i>plumbing system</i> following the issue of a remedial notice provided for in section 122 of the Building Act (chapter B-1.1):</p> <ul style="list-style-type: none"> a) \$117.28 for the first hour or any fraction thereof, and b) half the hourly rate established in Clause (a) for each half-hour or fraction thereof added to the first hour. <p>3) A plumbing owner-builder shall pay to the Régie du bâtiment du Québec the inspection fees fixed in Clauses (2)(a) and (b) for the inspection of a <i>plumbing system</i>.</p> <p>2.2.5.2. Sending</p> <p>1) The fees payable under Sentence 2.2.5.1.(1) shall be included with the declaration of work required under Article 2.2.4.1.</p> <p>2) The fees payable under Sentences 2.2.5.1.(2) and (3) shall be paid not later than 30 days after the billing date.”.</p>

Provisions	Amendments
2.3.1.	<p>Replace the Subsection by the following:</p> <p>“2.3.1. Approval of Alternative Solutions</p> <p>2.3.1.1. Conditions for Approval</p> <p>1) The proposed alternative solutions shall be approved by the Régie du bâtiment du Québec on the conditions it sets pursuant to section 127 of the Building Act (chapter B-1.1).”.</p>