

3. The provisions of Chapter I.1 of the Construction Code (chapter B-1.1, r. 2), as they read before (*insert the date preceding the date of coming into force of this Regulation*), may apply to construction work referred to in sections 1.1.2 and 1.1.3 of the Construction Code, provided that the work begins before (*insert the date occurring 6 months after the date of coming into force of this Regulation*).

4. This Regulation comes into force on (*insert the date occurring 45 days after the date of publication of this Regulation in the Gazette officielle du Québec*).

106615

Draft Regulation

Building Act
(chapter B-1.1)

Construction Code — Chapter III, Plumbing — Amendment

Notice is hereby given, in accordance with sections 10 and 11 of the Regulations Act (chapter R-18.1), that the Regulation to amend the Construction Code, appearing below, may be approved by the Government, with or without amendment, on the expiry of 45 days following this publication.

The draft Regulation amends Chapter III, Plumbing, of the Construction Code (chapter B-1.1, r. 2) in order to include by reference the National Plumbing Code of Canada 2020, with amendments to reflect the specific needs of Québec. The Regulation also extends most of the Québec amendments made to the previous edition.

This new regulation should not result in additional costs for construction work on plumbing systems.

Further information on the draft Regulation may be obtained by contacting Pierre-Yves Despatis, engineer, Régie du bâtiment du Québec, 255, boulevard Crémazie Est, bureau 100, Montréal (Québec) H2M 1L5; email: projet.reglement@rbq.gouv.qc.ca.

Any interested person having comments to make on the draft Regulation is asked to send them in writing, before the expiry of the 45-day period, to Caroline Hardy, Secretary General and Director of Institutional Affairs, Régie du bâtiment du Québec, 800, place D'Youville, 16^e étage, Québec (Québec) G1R 5S3; email: projet.reglement.commentaires@rbq.gouv.qc.ca.

MICHEL BEAUDOIN
President and Chief Executive Officer,
Régie du bâtiment du Québec

Regulation to amend the Construction Code

Building Act

(chapter B-1.1, s. 173, 1st and 2nd par., 3rd par., subpars 1, 2, 3, 4, 7 and 8, ss. 176 and 176.1, s. 178, 1st and 2d pars., s. 185, pars. 0.2, 3, 6.2, 6.3, 7, 20, 21, 24, 36 and 38, and s. 192).

1. The Construction Code (chapter B-1.1, r. 2) is amended in section 3.01. by replacing

(1) “2015” and “(NRCC 56193F)” in the first paragraph by “2020” and “(NRCC 56436E)”, respectively;

(2) “sections 3.04 to 3.06” in the second paragraph by “Division II”;

(3) “27 March 2021” in the third paragraph by “(enter the date of coming into force of this Regulation)”.

2. Section 3.02 is replaced by the following:

“**3.02.** Subject to the exceptions set out in section 3.02.01., the Code applies to all construction work on a plumbing system in

(1) a building to which the Building Act (chapter B-1.1) applies or outside such a building but within the limits of the property on which it is situated;

(2) a facility intended for use by the public that is a tent or an exterior inflatable structure to which Chapter I of the Construction Code applies and which is used

(a) as residential occupancies or care, treatment or detention occupancies whose floor area is 100 m² or more, or

(b) as assembly occupancies or mercantile occupancies whose floor area is more than 150 m² or whose load capacity is more than 60 persons.

For the purposes of this section, the definitions of “plumbing system” and “building” are those provided in the Code, as adopted by this Chapter. In addition, the definitions of the following terms are those provided in the National Building Code, as adopted by Chapter I of the Construction Code: “tent”, “inflatable structure”, “residential occupancy”, “care occupancy”, “treatment occupancy”, “detention occupancy”, “floor area”, “assembly occupancy”, “mercantile occupancy”.

3. The following is inserted after section 3.02:

“**3.02.01.** The following plumbing systems are exempt from the application of this Chapter:

(1) drainage piping or water distribution piping independent of a building;

(2) roof gutters;

- (3) drainage pipes (French drain);
- (4) downstream installation of an individual backflow preventer;
- (5) municipal retention pond and its outlet pipe;
- (6) private sewage disposal system.”.

4. Section 3.04. is replaced by the following:

“3.04. The amendments to the Code are as follows:

Articles	Amendments
Division A Part 1	
1.1.1.1.	<p>Replace the Article by the following:</p> <p>“1.1.1.1. Application of the NPC</p> <p>(1) The NPC applies to the construction work performed on a <i>plumbing system</i> as provided in section 3.02 of Chapter III of the <i>Construction Code</i> 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, every <i>building</i> shall, except as provided in Sentence (3), 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>Replace Clause (b) of Sentence (1) by the following:</p> <p>“(b) using alternative solutions that will achieve at least the minimum level of performance required by Division B in the areas defined by the objectives and functional statements attributed to the applicable acceptable solutions approved by the Régie du bâtiment in accordance with section 127 of the Building Act (chapter B-1.1) (see Note A-1.2.1.1.(1)(b).)”.</p>
1.4.1.2.	<p>Insert “, retention pit” after “sump” in the definition of “Storm building drain”;</p> <p>Insert “in inches” after “diameter” in the definition of “Nominal pipe size (NPS)”;</p> <p>Strike out the defined term “care or detention occupancy”.</p> <p>Replace “(See Figure A-1.4.1.2.(1)-G” in the definition of “Plumbing system*” by “(See Figures A-1.4.1.2.(1)-G and A-1.4.1.2.(1)-M)”;</p>

Articles	Amendments
	<p>Insert “,with or without a degree of fire resistance,” after “assembly” in the definition of “Fire separation*”.</p>
	<p>Insert the following after Figure A-1.4.1.2.(1):</p> <p>“Limit of plumbing system outside a building”</p> <p>Figure A-1.4.1.2. (1)-M Limit of plumbing system outside a building</p>

Articles	Amendments
Division A Part 3	
3.2.1.1.	<p>Insert the structural statement “F23 To maintain equipment in place during structural movement.” after “F21 To limit or accommodate dimensional change.”;</p> <hr/> <p>Insert the following statements after the statement “F46 To minimize the risk of contamination of <i>potable</i> water”:</p> <p>“F60 To control the accumulation and pressure of surface water, groundwater and <i>sewage</i>.</p> <p>F61 To resist the ingress of water or moisture from the exterior or from the ground.”.</p>
Division B Part 1	

Replce Table 1.3.1.2. by the following:

“

Table 1.3.1.2.

**Documents Referenced in the National Plumbing Code of Canada
2020⁽¹⁾**

Forming Part of Sentence 1.3.1.2.(1)

Issuing Agency	Document Number⁽²⁾	Title of Document	Code Reference
TIAC	2013	Mechanical Insulation Best Practices Guide	A-2.3.5.3.
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 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/CSA	ANSI Z21.22-2015/CSA 4.4-2015	Relief Valves for Hot Water Supply Systems	2.2.10.11.(1)
ANSI/UL/ULC	ANSI/CAN/UL/ULC 1201:2016	Sensor Operated Backwater Prevention Systems	2.2.10.19.(1)
ARCSA/ASPE/ANSI	63-2013	Rainwater Catchment Systems	A-2.7.2.4.(1)
ASHRAE	2013	ASHRAE Handbook – Fundamentals	A-2.6.3.1.(2)

	ASHRAE	2011	ASHRAE Handbook – HVAC Applications	A-2.6.3.1.(2)
	ASME/CSA	ASME A112.3.4- 2018/CSA B45.9-18	Macerating Toilet Systems and Waste-Pumping Systems for Plumbing Fixtures	2.2.2.2.(1)
	ASME/CSA	ASME A112.4- 2015/CSA B45.16-15	Personal Hygiene Devices for Water Closets	2.2.2.2.(1)
	ASME/CSA	ASME A112.4.14- 2017/CSA B125.14-17	Manually Operated Valves for use in Plumbing Systems	2.2.10.6.(7)
	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)
	ASME/CSA	ASME A112.18.2- 2015/CSA B125.2-15	Plumbing Waste Fittings	2.2.3.3.(1) 2.2.10.6.(6)
	ASME/CSA	ASME A112.18.6- 2017/CSA B125.6-17	Flexible Water Connectors	2.2.10.18.(1)
	ASME/CSA	ASME A112.19.1- 2018/CSA B45.2-18	Enamelled Cast Iron and Enamelled Steel Plumbing Fixtures	2.2.2.2.(1)
	ASME/CSA	ASME A112.19.2- 2018/CSA B45.1-18	Ceramic Plumbing Fixtures	2.2.2.2.(1)
	ASME/CSA	ASME A112.19.3- 17/CSA B45.4- 17	Stainless Steel Plumbing Fixtures	2.2.2.2.(1)
	ASME/CSA	ASME A112.19.7- 2012/CSA B45.10-12	Hydromassage Bathtub Systems	2.2.2.2.(1)
	ASME	A112.6.1M-1997	Floor Affixed Supports for Off-the-	2.2.6.1.(3)

			Floor Plumbing Fixtures for Public Use	
	ASME	A112.6.4-2003	Roof, Deck, and Balcony Drains	2.2.10.21.(1)
	ASME	B16.3-2016	Malleable-Iron Threaded Fittings: Classes 150 and 300	2.2.6.6.(1) A-2.2.5. to 2.2.8.
	ASME	B16.4-2016	Gray Iron Threaded Fittings: Classes 125 and 250	2.2.6.5.(1) A-2.2.5. to 2.2.8.
	ASME	B16.5-2017	Pipe Flanges and Flanged Fittings: NPS ½ Through NPS 24 Metric/Inch Standard	2.2.6.12.(1)
	ASME	B16.9-2018	Factory-Made Wrought Buttwelding Fittings	2.2.6.11.(1) 2.2.6.14.(1)
	ASME	B16.12-2009	Cast Iron Threaded Drainage Fittings	2.2.6.3.(1)
	ASME	B16.15-2018	Cast Copper Alloy Threaded Fittings: Classes 125 and 250	2.2.7.3.(1) A-2.2.5. to 2.2.8.
	ASME	B16.18-2018	Cast Copper Alloy Solder Joint Pressure Fittings	2.2.7.6.(1) 2.2.7.6.(2) A-2.2.5. to 2.2.8.
	ASME	B16.22-2018	Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings	2.2.7.6.(1) A-2.2.5. to 2.2.8.
	ASME	B16.23-2016	Cast Copper Alloy Solder Joint Drainage Fittings: DWV	2.2.7.5.(1) A-2.2.5. to 2.2.8.
	ASME	B16.24-2016	Cast Copper Alloy Pipe Flanges, Flanged Fittings and Valves: Classes 150, 300, 600, 900, 1500, and 2500	2.2.7.2.(1)

	ASME	B16.26-2018	Cast Copper Alloy Fittings for Flared Copper Tubes	2.2.7.7.(1) 2.2.7.7. (2)
	ASME	B16.29-2017	Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage Fittings – DWV	2.2.7.5.(1) A-2.2.5. to 2.2.8.
	ASME	B16.51-2021	Copper and Copper Alloy Press Connect Pressure Fittings	2.2.7.10.(1)
	ASME	B31.9-2017	Building Services Piping	2.3.2.8.(1)
	ASME	B36.19M-2018	Stainless Steel Pipe	2.2.6.10.(1)
	ASPE	2010	Plumbing Engineering Design Handbook, Volume 2	A-2.6.3.1.(2)
	ASPE	2012	Plumbing Engineering Design Handbook, Volume 4, Chapter 8, Grease Interceptors	A-2.4.4.3.(1)
	ASSE	ANSI/ASSE 1010-2004	Performance Requirements Water Hammer Arresters	2.2.10.15.(1)
	ASSE/ASME/CSA	ASSE 1002-2015/ASME A112.1002-2015/CSA B125.12-15	Anti-siphon Fill Valves for Water Closet Tanks	2.2.10.10.(2)
	ASSE/ASME/CSA	ASSE 1016-2017/ASME 112.1016-2017/CSA B125.16-17	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	A-2.2.10.6.(3)
	ASSE	1051-2009	Performance Requirements for Individual and Branch Type Air	2.2.10.16.(1)

			Admittance Valves for Sanitary Drainage Systems	
	ASSE	1061-2015	Performance Requirements for Push-Fit Fittings	2.2.7.9.(1)
	ASSE	1072-2007	Performance Requirements for Barrier Type Floor Drain Trap Seal Protection Devices	2.2.10.24.(1)
	ASSE/ASME/CSA	ASSE 1037-2015/ASME A112.1037-2015/CSA B125.37-15	Performance Requirements for Pressurized Flushing Devices for Plumbing Fixtures	2.2.10.8.(1)
	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	A 53/A 53M-18	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	2.2.6.7.(4) A-2.2.5. to 2.2.8.
	ASTM	A 182/A 182M-19	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service	2.2.6.12.(1) 2.2.6.13.(1)
	ASTM	A 269/A 269M-15a	Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service	2.2.6.14.(1) A-2.2.5. to 2.2.8.
	ASTM	A 312/A 312M-18a	Standard Specification for	2.2.6.10.(1)

			Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	A-2.2.5. to 2.2.8.
	ASTM	A 351/A 351M-18	Standard Specification for Castings, Austenitic, for Pressure-Containing Parts	2.2.6.13.(1)
	ASTM	A 403/A 403M-19	Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings	2.2.6.11.(1)
	ASTM	A 518/A 518M-99	Standard Specification for Corrosion-Resistant High-Silicon Iron Castings	2.2.8.1.(1)
	ASTM	B 32-08	Standard Specification for Solder Metal	2.2.9.2.(1)
	ASTM	B 42-15a	Standard Specification for Seamless Copper Pipe, Standard Sizes	2.2.7.1.(1) A-2.2.5. to 2.2.8.
	ASTM	B 43-15	Standard Specification for Seamless Red Brass Pipe, Standard Sizes	2.2.7.1.(2) A-2.2.5. to 2.2.8.
	ASTM	B 88-16	Standard Specification for Seamless Copper Water Tube	2.2.7.4.(1) A-2.2.5. to 2.2.8.
	ASTM	B 306-13	Standard Specification for Copper Drainage Tube (DWV)	2.2.7.4.(1) A-2.2.5. to 2.2.8.
	ASTM	B 813-16	Standard Specification for Liquid and Paste Fluxes for Soldering	2.2.9.2.(3)

	ASTM	B 828-16	of Copper and Copper Alloy Tube Standard Practice for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	2.3.2.4. (1)
	ASTM	C 1053-00	Standard Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications	2.2.8.1.(1)
	ASTM	D 2466-17	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	2.2.5.7.(2) A-2.2.5. to 2.2.8.
	ASTM	D 2467-15	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80	2.2.5.7.(2) A-2.2.5. to 2.2.8.
	ASTM	D 3138-04	Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile- Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non- Pressure Piping Components	A-2.2.5.9. to 2.2.5.11.
	ASTM	D 3261-16	Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing	2.2.5.4.(3)

	ASTM	F 628-12e2	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe With a Cellular Core	2.2.5.9.(1) 2.2.5.11.(1) A-2.2.5. to 2.2.8.
	ASTM	F 714-13	Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter	2.2.5.5.(1) A-2.2.5. to 2.2.8.
	ASTM	F3128-19	Standard Specification for Poly(Vinyl Chloride) (PVC) Schedule 40 Drain, Waste, and Vent Pipe with a Cellular Core	2.2.5.16.(1) A-2.2.5. to 2.2.8.
	AWS	ANSI/AWS A5.8M/A5.8:2011 -AMD 1	Specification for Filler Metals for Brazing and Braze Welding	2.2.9.2. (4)
	AWWA	M14-2004	Recommended Practice for Backflow Prevention and Cross-Connection Control	A-2.6.2.4.(2)
	AWWA	ANSI/AWWA C104/A21.4-16	Cement-Mortar Lining for Ductile-Iron Pipe and Fittings	2.2.6.4.(2)
	AWWA	ANSI/AWWA C110/A21.10-12	Ductile-Iron and Gray-Iron Fittings	2.2.6.4.(3)
	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)
	BNQ	BNQ 2622-126- 2009	Reinforced Concrete and Unreinforced Concrete Pipes and Monolithic Lateral Connections for Evacuation of Domestic Wastewater and Storm Water	2.2.5.2.(1)
	BNQ	BNQ 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	2.2.5.9.(1)

	BNQ	BNQ 3624-250-2015	for Sewage and Soil Drainage Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Rigid Pipe for Pressurized Water Supply and Distribution	2.2.5.7.(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⁾ A- 3.2.1.1.(1) ⁽³⁾ 2.1.3.1.(1) 2.1.4.1.(1) 2.2.5.11.(2) 2.2.5.11.(3) 2.2.6.7.(3) 2.4.3.1.(1) 2.4.10.4.(1) <u>2.7.1.1.(3)</u> A-2.2.5. to 2.2.8. A-2.4.10. A- 2.4.10.4.(1) A-2.6.3.1.(2) 2.2.2.1.(2) ⁽⁴⁾
	CCBFC	NRCC-CONST-56438E	National Energy Code of Canada for Buildings 2020	A- 2.2.1.1.(1) ⁽³⁾ A- 3.2.1.1.(1) ⁽³⁾
	CCBFC	NRCC-CONST-56437E	National Fire Code of Canada 2020	A- 2.2.1.1.(1) ⁽³⁾ A- 3.2.1.1.(1) ⁽³⁾ 2.5.5.2.
	CSA	A60.1-M1976	Vitrified Clay Pipe	2.2.5.3.(1) A-2.2.5. to 2.2.8.
	CSA	A60.3-M1976	Vitrified Clay Pipe Joints	2.2.5.3.(2)

	CSA	A257.1:19	Non-Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe, and Fittings	2.2.5.2.(1) A-2.2.5. to 2.2.8.
	CSA	A257.2:19	Reinforced Circular Concrete Culvert, Storm Drain, Sewer Pipe, and Fittings	2.2.5.2.(1) A-2.2.5. to 2.2.8.
	CSA	A257.3:19	Joints for Circular Concrete Sewer and Culvert Pipe, Manhole Sections, and Fittings Using Rubber Gaskets	2.2.5.2.(2)
	CSA	A257.4:19	Precast Reinforced Circular Concrete Manhole Sections, Catch Basins, and Fittings	2.2.5.2.(5)
	CSA	CAN/CSA-B45 Series-02	Plumbing Fixtures	2.2.2.2.(1)
	CSA	B45.11-17/IAPMO Z401-2017	Glass Plumbing Fixtures	2.2.2.2.(1)
	CSA	B45.5-17/IAPMO Z124-2017	Plastic Plumbing Fixtures	2.2.2.2.(1)
	CSA	B45.8-13/IAPMO Z403-2013	Terrazzo, Concrete, and Natural Stone Plumbing Fixtures	2.2.2.2.(1)
	CSA	CSA B45.12-13/IAPMO Z402-2013	Aluminium and Copper Plumbing Fixtures	2.2.2.2.(1)
	CSA	B55.2-15	Drain Water Heat Recovery Units	2.2.10.26.(1)
	CSA	B64.0-11	Definitions, General Requirements, and Test Methods for Vacuum Breakers and Backflow Preventers	2.2.10.10.(1)
	CSA	B64.1.1-11	Atmospheric Vacuum Breakers (AVB)	2.2.10.10.(1)

	CSA	B64.1.2-11	Pressure Vacuum Breakers (PVB)	2.2.10.10.(1)
	CSA	B64.1.3-11	Spill-Resistant Pressure Vacuum Breakers (SRPVB)	2.2.10.10.(1)
	CSA	B64.1.4-11	Vacuum Breaker, Air Space Type (ASVB)	2.2.10.10.(1)
	CSA	B64.2-11	Hose Connection Vacuum Breakers (HCVB)	2.2.10.10.(1)
	CSA	B64.2.1-11	Hose Connection Vacuum Breakers (HCVB) with Manual Draining Feature	2.2.10.10.(1)
	CSA	B64.2.2-11	Hose Connection Vacuum Breakers (HCVB) with Automatic Draining Feature	2.2.10.10.(1)
	CSA	B64.3-11	Dual Check Valve Backflow Preventers with Atmospheric Port (DCAP)	2.2.10.10.(1)
	CSA	B64.4-11	Reduced Pressure Principle Backflow Preventers	2.2.10.10.(1) 2.6.2.4.(2) 2.6.2.4.(4)
	CSA	B64.4.1-11	Reduced Pressure Principle Backflow Preventers for Fire Protection Systems (RPF)	2.2.10.10.(1) 2.6.2.4.(2) 2.6.2.4.(4) A-2.6.2.4.(2)
	CSA	B64.5-11	Double check valve (DCVA) backflow preventers	2.2.10.10.(1) 2.6.2.4.(2)
	CSA	B64.5.1-11	Double check valve backflow preventers for fire protection systems (DCVAF)	2.2.10.10.(1) 2.6.2.4.(2) A-2.6.2.4.(2)
	CSA	B64.6-11	Dual check valve (DuC) backflow preventers	2.2.10.10.(1) 2.6.2.4.(2)

	CSA	B64.6.1-11	Dual check valve backflow preventers for fire protection systems (DuCF)	2.2.10.10.(1) 2.6.2.4.(2) A-2.6.2.4.(2)
	CSA	B64.7-11	Laboratory faucet vacuum breakers (LFVB)	2.2.10.10.(1)
	CSA	B64.8-11	Dual check valve backflow preventers with intermediate vent (DuCV)	2.2.10.10.(1)
	CSA	B64.9-11	Single check valve backflow preventers for fire protection systems (SCVAF)	2.2.10.10.(1) 2.6.2.4.(2) A-2.6.2.4.(2)
	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	B64.10.1-17	Maintenance and Field Testing of Backflow Preventers	2.6.2.1.(4) A-2.6.2.1.(3)
	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	B70.1-03	Frames and Covers for Maintenance Holes and Catchbasins	2.2.6.2.(1)
	CSA	B79-08	Commercial and Residential Drains and Cleanouts	2.2.10.20.(1)
	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	CSA B125.5-11/IAPMO Z600-11	Flexible Water Connectors With Excess Flow Shut-off Devices	2.2.10.6.(1)
	CSA	CAN/CSA-B126.0-13	General requirements and	2.7.2.4.(6)

			methods of testing for water cisterns	
	CSA	CAN/CSA-B126.1-13	Installation of water cisterns	2.7.2.4.(6)
	CSA	CAN/CSA-B127.3-18	Fibrocement drain, waste, and vent pipe and pipe fittings	2.2.5.1.(1) A-2.2.5. to 2.2.8.
	CSA	CAN/CSA-B128.1-06	Design and Installation of Non-Potable Water Systems	2.7.1.2.(1) 2.7.1.5.(1) A-2.7.1.1.(1)
	CSA	B137.1-17	Polyethylene (PE) Pipe, Tubing, and Fittings for Cold-Water Pressure Services	2.2.5.4.(1) A-2.2.5. to 2.2.8.
	CSA	B137.2-17	Polyvinylchloride (PVC) Injection-Moulded Gasketed Fittings for Pressure Applications	2.2.5.7.(3) A-2.2.5. to 2.2.8.
	CSA	B137.3-17	Rigid Polyvinylchloride (PVC) Pipe and Fittings for Pressure Applications	2.2.5.7.(1) A-2.2.5. to 2.2.8.
	CSA	B137.5-17	Crosslinked Polyethylene (PEX) Tubing Systems for Pressure Applications	2.2.5.6.(1) A-2.2.5. to 2.2.8. A-2.2.5.6.(1)
	CSA	B137.6-17	Chlorinated Polyvinylchloride (CPVC) Pipe, Tubing, and Fittings for Hot- and Cold-Water Distribution Systems	2.2.5.8.(1) A-2.2.5. to 2.2.8. A-2.2.5.9. to 2.2.5.11.
	CSA	B137.9-17	Polyethylene/Aluminum/Polyethylene (PE-AL-PE) Composite Pressure-Pipe Systems	2.2.5.12.(1) A-2.2.5. to 2.2.8. A-2.2.5.12.(1)

	CSA	B137.10-17	Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene (PEX-AL-PEX) Composite Pressure-Pipe Systems	2.2.5.12.(4) 2.2.5.13.(1) A-2.2.5. to 2.2.8. A-2.2.5.13.(1)
	CSA	B137.11-17	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	2.2.5.14.(1) A-2.2.5. to 2.2.8. A-2.2.5.14.(1)
	CSA	B137.18-17	Polyethylene of Raised Temperature Resistance (PE-RT) Tubing Systems for Pressure Applications	2.2.5.15.(1) A-2.2.5. to 2.2.8. A-2.2.5.15.(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	B158.1-1976	Cast Brass Solder Joint Drainage, Waste and Vent Fittings	2.2.10.1.(1)
	CSA	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	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.

	CSA	CSA-B181.3-18	Polyolefin and polyvinylidene fluoride (PVDF) laboratory drainage systems	2.2.8.1.(1) A-2.2.5. to 2.2.8.
	CSA	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	CSA-B182.2-18	PSM type polyvinylchloride (PVC) sewer pipe and fittings	2.2.5.9.(1) A-2.2.5. to 2.2.8.
	CSA	CSA-B182.4-18	Profile polyvinylchloride (PVC) sewer pipe and fittings	2.2.5.9.(1) A-2.2.5. to 2.2.8.
	CSA	CSA-B182.6-18	Profile polyethylene (PE) sewer pipe and fittings for leak-proof sewer applications	2.2.5.9.(1) A-2.2.5. to 2.2.8.
	CSA	CSA-B182.8-18	Profile polyethylene (PE) storm sewer and drainage pipe and fittings	2.2.5.9.(1)
	CSA	B242-05	Groove- and Shoulder-Type Mechanical Pipe Couplings	2.2.10.4.(1)
	CSA	B272-93	Prefabricated Self-Sealing Roof Vent Flashings	2.2.10.14.(2)
	CSA	CAN/CSA-B356-10	Water Pressure Reducing Valves for Domestic Water Supply Systems	2.2.10.12.(1)
	CSA	B481 Series-12	Grease Interceptors	2.2.3.2.(3) A-2.4.4.3.(1)
	CSA	B481.3-12	Sizing, Selection, Location, and Installation of Grease Interceptors	2.2.3.2.(4)
	CSA	B481.4-12	Maintenance of Grease Interceptors	A-2.2.3.2.(3)

	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	B602-16	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe	2.2.10.4.(2)
	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)
	CSA	CAN/CSA-C22.2 No. 110-94	Construction and Test of Electric Storage-Tank Water Heaters	2.2.10.13.(1)
	CSA	C22.2 No. 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)
	CSA	CAN/CSA-F379 SERIES-09 (excluding Supplement F379S1-11)	Packaged Solar Domestic Hot Water Systems (Liquid-to-Liquid Heat Transfer)	2.2.10.13.(1)
	CSA	CAN/CSA-F383-08	Installation of Packaged Solar Domestic Hot Water Systems	2.6.1.8.(1)
	CSA	CAN/CSA-G401-14	Corrugated steel pipe products	2.2.6.8.(1) A-2.2.5. to 2.2.8.
	ISO	11143-2008	Dentistry — Amalgam separators	2.2.3.2.(5)

	McGraw-Hill	2009	International Plumbing Codes Handbook	A-2.6.3.
	MSS	SP-58-2009	Pipe Hangers and Supports - Materials, Design, Manufacture, Selection, Application, and Installation	2.2.10.23.(1)
	NFPA	13D-2016	Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	2.6.3.1.(3)
	NIST	Building Materials and Structures Report BMS-79, 1941	Water-Distributing Systems for Buildings	A-2.6.3.
	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)
	NSF	NSF Pro 151-8-1-95	Health Effects from Rainwater Catchment System Components	A-2.7.2.3.(2)
	ULC	CAN/ULC-S114:2018	Standard Method of Test for Determination of Non-Combustibility in Building Materials	1.4.1.2.(1) ⁽³⁾

	<table border="1" data-bbox="479 186 1265 252"> <tr> <td data-bbox="479 186 649 252">ULC</td> <td data-bbox="649 186 864 252">CAN/ULC-S656-14</td> <td data-bbox="864 186 1102 252">Standard for Oil-Water Separators</td> <td data-bbox="1102 186 1265 252">2.2.3.2.(6)</td> </tr> </table> <p data-bbox="445 311 1268 449">(1) While every effort was made to ensure the accuracy of the information in this Table, the NRC is not responsible for the accuracy, timeliness or reliability of the content presented therein. For all purposes of interpreting and applying the referenced standards, Code users should refer to the most recent official versions of the referenced editions.</p> <p data-bbox="445 480 1268 535">(2) Some documents may have been reaffirmed or reapproved. Check with the applicable issuing agency for up-to-date information.</p> <p data-bbox="445 566 802 593">(3) Code reference is in Division A.</p> <p data-bbox="445 623 816 650">(4) Code reference is in Division C.”</p>	ULC	CAN/ULC-S656-14	Standard for Oil-Water Separators	2.2.3.2.(6)
ULC	CAN/ULC-S656-14	Standard for Oil-Water Separators	2.2.3.2.(6)		
1.3.2.1	<p data-bbox="445 697 1108 723">Insert the following in Sentence (1), in alphabetical order:</p> <p data-bbox="445 772 1170 799">“BNQ Bureau de normalisation du Québec (www.bnq.qc.ca)”;</p> <p data-bbox="445 856 1268 915">“CGSB Canadian General Standards Board (www.tpsgc-pwgsc.gc.ca/ongc-cgsb/index-eng.html)”;</p> <p data-bbox="445 973 1231 999">“IOS International Organization for Standardization (www.iso.org)”;</p> <p data-bbox="445 1057 1268 1116">“MSS Manufacturers Standardization Society of the Valve and Fittings Industry (www.mss-hq.com)”.</p>				
Division B Part 2					
2.1.4.	<p data-bbox="445 1387 911 1413">Replace the subsection by the following:</p> <p data-bbox="445 1471 802 1498">“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 building. (See Article 4.1.3.5., Subsection 4.1.8., Sentence 4.1.3.3.(2) and Article A-6.2.1.4. of Division B of the NBC for information on the types of structural movements that may be encountered.)”.</p>
<p>2.2.2.2.</p>	<p>Replace Clause (h) by the following: “(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>Replace “personal hygiene devices for water closets” in Clause (i) by “toilet seats with bidet functionality”;</p>
	<p>Insert the following after Clause (i):</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 fixtures shall conform to CSA B45.8/IAPMO Z403, “Terrazzo, Concrete and Natural Stone Plumbing Fixtures”, and</p> <p>(l) aluminum or copper plumbing fixtures shall conform to CSA B45.12/IAPMO Z402, “Aluminum and Copper Plumbing Fixtures”.”</p>
<p>2.2.3.2.</p>	<p>Replace Sentence (3) by the following:</p> <p>“(3) Grease interceptors shall conform to CSA-B481 Series, “Grease Interceptors”. (See Note A-2.2.3.2.(3).</p> <p>(4) Grease interceptors 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, “Amalgam Separators”.</p>

	(6) Oil interceptors shall conform to CAN/ULC-S656, “Standard for Oil-Water Separators”.
2.2.4.2.	Insert “Except as provided in Article 2.4.3.7.,” in Sentence (1) before “a single or double sanitary T fitting”.
2.2.4.3.	Add the following at the end of Sentence (1): “The prohibition also applies to any combination of 45° elbows displaying the same characteristics.”.
2.2.5.2.	Strike out “or” in Clause (a);
	Replace Clause (b) by the following: “(b) CSA A257.2, “Reinforced circular concrete culvert, storm drain, sewer pipe, and fittings” or c) BNQ 2622-126, « Reinforced Concrete and Unreinforced Concrete Pipes and Monolithic Lateral Connections for Evacuation of Domestic Wastewater and Storm Water”.
2.2.5.3.	Replace “CSA A60.1-M” in Sentence (1) by “CSA A60.1-FM”;
	Replace “CSA A60.3-M” in Sentence (2) by “CSA A60.3-FM”.
2.2.5.4.	Replace Sentence (1) by the following: “(1) Polyethylene water pipe, tubing and fittings shall conform to Series 160 requirements of one of the following standards: (a) CSA-B137.1, “Polyethylene (PE) Pipe, Tubing, and Fittings for Cold-Water Pressure Services”, or (b) BNQ 3624-027, “Polyethylene (PE) Pipe for the Transport of Fluids Under Pressure”.

2.2.5.7.	<p>Replace Sentence (1) by the following:</p> <p>“(1) PVC water pipe, fittings and solvent cement shall</p> <p>a) conform to one of the following standards:</p> <p>i) CSA B137.3, “Rigid Polyvinylchloride (PVC) Pipe and Fittings for Pressure Applications”; or</p> <p>ii) BNQ 3624-250, “Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings - Rigid Pipe for Pressurized Water Supply and Distribution”; and</p> <p>b) have a pressure rating of not less than 1 100 kPa.”</p>
2.2.5.9.	<p>Strike out “or” in Clause (g);</p> <p>Add the following after Clause (h):</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 after Sentence (2):</p> <p>“(3) Wall supports for water closets shall conform to</p> <p>(a) ASME A112.6.1M, “Supports for Off-the-Floor Plumbing Fixtures for Public Use”, or</p> <p>(b) ASME A112.6.2, “Framing-Affixed Supports for Off-the-Floor Water Closets with Concealed Tanks”.”.</p>
2.2.6.4.	<p>Replace Sentence (1) by the following:</p> <p>“(1) Cast-iron water pipes shall conform to</p> <p>(a) ANSI/AWWA-C151/A21.51, “Ductile-Iron Pipe, Centrifugally Cast, for Water”, or</p>

	(b) NQ 3623-085, “Ductile-Iron Pipes for Water Pressure Piping Systems - Characteristics and Test Methods”.
2.2.6.12.(1)(b)	Replace “Flanges” by “Flange Joints”.
	<p>Add the following after Article 2.2.7.8.:</p> <p>“2.2.7.9. Quick Connection Push-Fit Fittings</p> <p>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>
2.2.9.2.(4)	Replace “ANSI/AWS A5.8M/A5.8” by the following: “ANSI/AWS A5.8M/A5.8:2011-AMD 1”.
2.2.10.5.(1)	<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.	Strike out “or” at the end of Clause (a) of Sentence (1);
	<p>Add the following after Clause (b) of Sentence (1):</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 (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 be of the pressure-balanced, thermostatic, or combination pressure-balanced/thermostatic type and conform to ASME A112.18.1/CAN/CSA B125.1, “Plumbing Supply Fittings”.</p> <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 a thermostatic-mixing valve conforming to CAN/CSA-B125.3, “Plumbing Fittings”, or an automatic temperature-limiting device conforming to ASSE 1070/ASME A112.1070/CSA B125.70, “Performance Requirements for Water Temperature Limiting Devices”.</p> <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 CAN/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 be of the thermostatic or combination pressure-balanced/thermostatic type and conform to ASME A112.18.1/CAN/CSA B125.1, “Plumbing Supply Fittings”.</p> <p>(5) Valves supplying only bathtubs of a care occupancy or private seniors’ residence need not be of one of the types referred to in Sentence (4) if the hot water supply is controlled by a thermostatic-mixing valve conforming to CAN/CSA B125.3, “Plumbing Fittings”, or an automatic temperature-limiting device conforming to ASSE 1070/ASME A112.1070/CSA B125.70, “Performance Requirements for Water Temperature Limiting Devices”, installed within the limits of a bathroom.</p> <p>(6) Valves, mixing valves and limiting devices covered by Sentences (1) to (3) shall be adjusted to provide a water outlet temperature that does not exceed 49 °C. Those covered by Sentences (4) and (5) shall be adjusted to provide a water outlet temperature that does not exceed 43 °C.”</p>
<p>2.2.10.10.</p>	<p>Replace Sentence (1) by the following:</p> <p>“(1) Except as provided in Sentence (2), back-siphonage preventers and backflow preventers shall conform to</p> <p>(a) CSA B64.0, “Definitions, general requirements, and test methods for vacuum breakers and backflow preventers”,</p> <p>(b) CSA B64.1.1, “Atmospheric vacuum breakers (AVB)”,</p>

	<p>(c) CSA B64.1.2, “Pressure vacuum breakers (PVB)”,</p> <p>(d) CSA B64.1.3, “Spill-resistant pressure vacuum breakers (SRPVB)”,</p> <p>(e) CSA B64.1.4, “Vacuum Breaker, Air Space Type (ASVB)”,</p> <p>(f) CSA B64.2, “Hose connection vacuum breakers (HCVB)”,</p> <p>(g) CSA B64.2.1, “Hose connection vacuum breakers (HCVB) with manual draining feature”,</p> <p>(h) CSA B64.2.2, “Hose connection vacuum breakers (HCVB) with automatic draining feature”,</p> <p>(i) CSA B64.3, “Dual check valve backflow preventers with atmospheric port (DCAP)”,</p> <p>(j) CSA B64.4, “Reduced pressure principle (RP) backflow preventers”,</p> <p>(k) CSA B64.4.1, “Reduced pressure principle backflow preventers for fire protection systems (RPF)”,</p> <p>(l) CSA B64.5, “Double check valve (DCVA) backflow preventers”,</p> <p>(m) CSA B64.5.1, “Double check valve backflow preventers for fire protection systems (DCVAF)”,</p> <p>(n) CSA B64.6, “Dual check valve (DuC) backflow preventers”,</p> <p>(o) CSA B64.6.1, “Dual check valve backflow preventers for fire protection systems (DuCF)”,</p> <p>(p) CSA B64.7, “Laboratory faucet vacuum breakers (LFVB)”,</p> <p>(q) CSA B64.8, “Dual check valve backflow preventers with intermediate vent (DuCV)”, or</p> <p>(r) CSA B64.9, “Single check valve backflow preventers for fire protection systems (SCVAF).”.</p>
<p>2.2.10.13.</p>	<p>Replace the Article by the following:</p> <p>“2.2.10.13. Hot Water</p> <p>(1) Service water heaters shall conform to</p> <p>(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”,</p> <p>(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”,</p>

	<p>(c) CAN/CSA-C22.2 No. 110, “Construction and Test of Electric Storage-Tank Water Heaters”,</p> <p>(d) CSA B140.12, “Oil-Burning Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools”,</p> <p>(e) CAN/CSA-F379 SERIES, “Solar Domestic Hot Water Systems (Liquid-to-Liquid Heat Transfer)”,</p> <p>(f) CSA C22.2 No. 64, “Household Cooking and Liquid-Heating Appliances”, or</p> <p>(g) CAN/CSA-E60335-2-35, “Safety of Household and Similar Electrical Appliances - Part 2-35: Particular Requirements for Instantaneous Water Heaters”.</p>
2.2.10.15.	Replace “Water” by “Performance Requirements for Water”.
2.2.10.16.	Replace “Individual” by “Performance Requirements for Individual”.
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> <p>(a) NSF/ANSI 55, “Ultraviolet Microbiological Water Treatment Systems”, or</p> <p>(b) CAN/CSA-B483.1, “Drinking Water Treatment Systems”, if they are designed to be installed at the point of use.</p> <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> <p>(a) NSF/ANSI 62, “Drinking Water Distillation Systems”, or</p> <p>(b) CAN/CSA-B483.1, “Drinking Water Treatment Systems”, if they are designed to be installed at the point of use.</p>

	<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> <p>(a) NSF/ANSI 53, “Drinking Water Treatment Units - Health Effects”, or</p> <p>(b) CAN/CSA-B483.1, “Drinking Water Treatment Systems”, if they are designed to be installed at the point of use.”.</p>
	<p>Insert the following Articles after Article 2.2.10.18:</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) CAN/CSA-B181.1, “Acrylonitrile-Butadiene-Styrene (ABS) Drain, Waste, and Vent Pipe and Pipe Fittings”,</p> <p>(c) CAN/CSA-B181.2, “Polyvinylchloride (PVC) and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings”,</p> <p>(d) CAN/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 CAN/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> <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.(1)	Replace “Specification” by “Practice”.
2.3.4.5	Replace “Les suspentes des tuyaux d’allure horizontale :” in Sentence (5) in the French text by “Lorsque des suspentes pour tuyaux d’allure horizontale 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, smoke pressure test or 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 after Article 2.3.6.7.:</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>
<p>2.4.2.1.</p>	<p>Insert “(see Note A-2.4.2.1.(1)(a)(i) and (e))” in subclause (i) of Clause (a) of Sentence (1) after “system”;</p>
	<p>Strike out “(see Note A-2.4.2.1.(1)(a)(ii) and (e)(vi))” in subclause (ii) of Clause (a) of Sentence (1);</p>
	<p>Replace subclauses (v) and (vi) of Clause (e) of Sentence (1) by the following:</p> <p>“(v) a water treatment device,</p> <p>(vi) a drain or overflow from a <i>water system</i> or a heating system,</p> <p>(vii) a drain from an ice machine, or</p> <p>(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>soil-or-waste stack</i> receives water from <i>fixtures</i> from more than one <i>storey</i>, a connection in that offset <i>soil-or-waste stack</i> shall not be less than 1.5 m downstream from the base of the upper section of the <i>soil-or-waste stack</i> or from another connection receiving <i>sewage</i> from another <i>soil-or-waste stack</i> connected to the <i>offset</i> (See Note A-2.4.2.1.(2)).”.</p>
	<p>Insert “or dishwashing sink” after “more than one clothes washer” in Sentence (4);</p>
	<p>Insert the following after Sentence (5):</p>

	<p>“(6) Every connection at the bottom of a <i>soil-or-waste 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>soil-or-waste 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 not more than 3 m downstream from the bottom of a <i>soil-or-waste stack</i> or a <i>leader</i>. (See Note A-2.4.2.1.(7)).”.</p>
2.4.2.3	<p>Replace the Article by the following:</p> <p>“(1) Two or more fixture outlet pipes that serve outlets from a single fixture that is listed in Clause 2.4.2.1.(1)(e) are permitted to be directly connected to a branch that</p> <ul style="list-style-type: none"> (a) has a nominal pipe size of not less than NPS 1¼, (b) is terminated above the flood level rim of a directly connected fixture to form an air break and (c) is located in the same room or <i>suite</i>.”. <hr/> <p>(2) Fixture drains from fixtures that are listed in Subclauses 2.4.2.1.(1)(e)(i) and (e)(ii) are permitted to be directly connected to a pipe that</p> <ul style="list-style-type: none"> (a) is terminated to form an air break above the flood level rim of a fixture that is directly connected to a sanitary drainage system, (b) is extended through the roof when fixtures on 3 or more storeys 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) Fixture drains from fixtures that are listed in Subclauses 2.4.2.1.(1)(e)(iii) to (e)(viii) are permitted to be directly connected to a pipe that</p> <ul style="list-style-type: none"> (a) is terminated to form an air break above the flood level rim of a fixture that is directly connected to a storm drainage system,

	<p>(b) is extended through the roof when fixtures on 3 or more storeys are connected to it and</p> <p>(c) is located in the same room or <i>suite</i>.”</p>
	<p>Add the following Article after Article 2.4.2.3:</p> <p>“2.4.2.4. Toilet Wall Supports</p> <p>(1) Toilet wall supports shall be fixed to the structural elements of the building to prevent stress from being transmitted to the plumbing system.”.</p>
2.4.3.5.	<p>Replace the title by the following:</p> <p>“2.4.3.5. “Macerating Toilets and Macerating Systems”.</p>
	<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 (b) of Sentence (1) by “that connects the pit to the sump well”.</p>
	<p>Insert the following after Article 2.4.3.6:</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 in <i>size</i>.</p> <p>(2) The <i>fixture drain</i> of the retention pit shall be not less than 3 inches in <i>size</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 4 inches in <i>size</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 3 inches in <i>size</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 subsoil drainage pipe, 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> <p>(7) The <i>fixture drain</i> of a retention pit shall be directly connected 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> 3 inches in <i>size</i> for a draining area not more than 370 m². For a <i>fixture drain</i> more than 3 inches in <i>size</i>, the drained area may be increased by 280 m² per additional inch.</p> <p>(10) The requirements of Article 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> <p>(a) an air-tight cover, and</p> <p>(b) a <i>vent pipe</i> at least 1 1/2 inches in <i>size</i> if the content of the retention pit is pumped.”</p>
2.4.4.1.	Insert the following after Sentence (1):

	<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.	Insert “or a retention pit” after “a trapped sump”.
2.4.5.5.	Strike out “or” in Clause (b);
	<p>Replace Clause (c) by the following:</p> <p>(c) using a floor drain trap seal, or</p> <p>(d) other equally effective means.</p> <p>(See Note A-2.4.5.5.(1).)”</p>
	<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.</p> <p>(See Note A-2.4.5.5.(2).)”.</p>
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 1 1/2 inches in <i>size</i> if the sump or tank is pumped.”.</p>
2.4.6.4.	<p>Replace the Article 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 overfill level of the adjoining street or private sewage disposal system, a gate valve or a <i>backwater valve</i> shall be installed on every <i>drain</i> connected to a <i>building drain</i> or a <i>branch</i>.</p>

	<p>(2) Where more than one fixture is located on a storey and all are connected to the same branch, the backwater valve is permitted to be installed on the branch.</p> <p>(3) A subsoil drainage pipe that drains into a sanitary drainage system that is subject to surcharge shall be connected in such a manner that sewage cannot back up into the subsoil drainage pipe. (See Note A-2.4.6.4.(3)).</p> <p>(4) Except as permitted in Sentence (5), a backwater valve or a gate valve that would prevent the free circulation of air shall not be installed in a building drain or in a building sewer.</p> <p>(5) A backwater valve is permitted to be installed in a building drain, provided that</p> <p>(a) it is a “normally open” design and</p> <p>(b) it does not serve more than one dwelling unit.</p> <p>(6) Where the fixture is a floor drain, a removable screw cap is permitted to be installed on the upstream side of the trap.</p> <p>(7) The installation of a gate valve or a backwater valve covered by Sentence (1) is not required if the building drain is protected from backflows in accordance with Sentence (5).”.</p>
2.4.7.1	<p>Add the following after Sentence (11):</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>
2.4.10.3.	<p>Replace Sentence (1) by the following: “(1) Except as provided in Sentence (2), the hydraulic load from a fixture that produces a continuous flow, such as a pump or an air-conditioning fixture, is 31.7 fixture units for each litre per second of flow”.</p>
2.4.10.4.	<p>Replace Sentence (4) by the following:</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.”.
2.5.2.1.	Replace “2.5.8.1.” in Clauses (a) and (f) of Sentence (1) by “2.5.8.1.-A or 2.5.8.1.-B”;
	Replace Clauses (d) and (e) of Sentence (1) by the following: “(d) the <i>trap arms</i> of the water closets connected to a vertical pipe are connected downstream from all other <i>fixtures</i> , (e) <i>trap arms</i> and <i>fixture drains</i> do not exceed 2 inches in <i>size</i> when connected to a wet vent 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),”;
	Strike out « and » in Clause (f) of Sentence (1);
	Add the following after Clause (k) of Sentence (1): “(l) the portion of the <i>soil-or-waste stack</i> having a <i>wet vent</i> that extends through more than one <i>storey</i> is the same <i>size</i> from its bottom to the uppermost connection of a <i>fixture</i> ; (m) it is extended as a <i>stack vent</i> or as a <i>continuous vent</i> , and (n) <i>trap arms</i> are connected separately and directly to the <i>wet vent</i> .”.
2.5.6.2.	Add the following after Sentence (3): “(4) The plumbing <i>venting system</i> may not be used in other systems.”.
2.5.6.5.	Add “except pipes 4 inches and bigger that may be of the same <i>size</i> ,” at the end of Clause (a) of Sentence (6).”.
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>Replace the Article by the following:</p> <p>“2.5.8.1. Hydraulic Loads</p> <p>(1) The hydraulic load that drains to a wet vent shall conform to Tables 2.5.8.1.-A or 2.5.8.1.-B.</p> <p>(2) When determining the nominal pipe size of a wet vent, the hydraulic load from the most downstream fixture or symmetrically connected fixtures shall not be included. (See Note A-2.5.8.1.(2)).</p>	
	<p>Table 2.5.8.1.-A</p> <p>Maximum Permitted Hydraulic Loads Drained to a Wet Vent Serving Fixtures on the Same Storey</p> <p>Forming Part of Sentence 2.5.8.1.(1)</p>	
	<p><i>Size of Wet Vent for a Storey, inches</i></p>	<p><i>Maximum Hydraulic Load, fixture units</i></p>
	<p>1¼</p> <p>1½</p> <p>2</p> <p>3</p> <p>4</p>	<p>1</p> <p>2</p> <p>5</p> <p>18</p> <p>120</p>
<p>Table 2.5.8.1. -B</p> <p>Maximum Permitted Hydraulic Loads Drained to a Wet Vent</p> <p>Forming Part of Sentence 2.5.8.1.(1)</p>		
<p>Nominal Pipe Size of Wet Vent, NPS</p>	<p>Maximum Hydraulic Load, fixture units</p>	
	<p>Not Serving Water Closets</p>	<p><i>Fixtures, Other Than Water Closets, That Serve Not More Than 2 Water Closets</i></p>

	<table border="1"><tr><td>1½</td><td>2</td><td>n/a</td></tr><tr><td>2</td><td>4</td><td>3</td></tr><tr><td>3</td><td>12</td><td>8</td></tr><tr><td>4</td><td>36</td><td>14</td></tr><tr><td>5</td><td>n/a</td><td>18</td></tr><tr><td>6</td><td>n/a</td><td>23</td></tr></table>	1½	2	n/a	2	4	3	3	12	8	4	36	14	5	n/a	18	6	n/a	23	»
1½	2	n/a																		
2	4	3																		
3	12	8																		
4	36	14																		
5	n/a	18																		
6	n/a	23																		

2.5.8.4.	<p>Add the following after Sentence (4):</p> <p>“(5) At least one <i>soil-or-waste stack</i> or vertical <i>soil-or-waste 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>soil-or-waste stack</i> or vertical <i>soil-or-waste pipe</i> shall have a minimum size of 3 inches up to the outlet on the roof.”.</p>
2.5.9.2.	<p>Replace Clauses (c) and (d) in Sentence (1) by the following:</p> <p>“(c) fixtures in one- and two-family dwellings during renovation work only; or</p> <p>(d) fixtures in an existing <i>building</i> where connection to a vent may not be practical.”.</p>
2.6.1.1.	<p>Add the following after Sentence (2):</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 the Table by the following:</p> <p>«</p> <p style="text-align: center;">Table 2.6.1.6. Water Usage per Flush Cycle Forming Part of Sentence 2.6.1.6.(3)</p>

	<i>Fixtures</i>	Maximum Water Usage per Flush Cycle, Lpf
	Water closets – dwellings single-flush	4.8
	dual-flush	6.0/4.1
	Water closets – industrial, commercial, institutional, residential other than dwellings	4.8
	Urinals	1.9
	<p>Replace Sentence (4) by the following:</p> <p>“(4) In industrial, commercial and institutional buildings, and residential buildings other than dwellings, 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>Strike out “and” in Clause (a);</p> <hr/> <p>Replace “distribution system.” in Clause (b) of Sentence (1) by “distribution system, and”;</p> <hr/> <p>Add the following after Clause (b) of Sentence (1): “(c) that has a drain complying with the requirements of Sentence (5).”;</p> <hr/> <p>Replace “The drain pan referred to in Sentence (9) shall” in Sentence (10) by “Except as provided in Sentence (11), the drain pan referred to in Sentence (9) shall”;</p>	

	<p>Insert “,without being less than 1 1/4 inches” in Clause (b) of Sentence (10) after “discharge pipe”;</p>
	<p>Add the following after Sentence (10): “(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>
<p>2.6.1.9.</p>	<p>Replace the Article by the following: “2.6.1.9. Water Hammer (1) <i>Water distribution systems</i> shall be protected against water hammers by prefabricated water-hammer arresters (see Note A-2.6.1.9.(1)).”.</p>
<p>2.6.1.12.</p>	<p>Replace the Article by the following: “2.6.1.12. Service Water Heaters (1) The temperature control device of <i>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)). (2) Drain water heat recovery units shall only be used to supply <i>water heaters</i>.”.</p>
<p>2.6.2.1.</p>	<p>Add “(see Note A-2.6.2.1.(3))” at the end of Sentence (3). Add the following after Sentence (3): “(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>
<p>2.6.2.2</p>	<p>Strike out “and” at the end of Clause (j);</p>

	<p>Replace “with vent.” in Clause (k) by “with vent, or”;</p>
	<p>Add the following after Clause (k): “(l) an air space type <i>vacuum breaker</i>.”.</p>
2.6.2.4.	<p>Replace Article (4) by the following: “(4) Where a reduced pressure principle backflow preventer is required on a water service pipe at a fire service connection located on the same premises as the fire service pipe in Class 3, 4, 5 and 6 fire sprinkler/standpipe systems, a reduced pressure principle backflow preventer shall also be required on the fire service connection and conform to (a) CSA-B64.4.1, “Reduced Pressure Principle Backflow Preventers for Fire Protection Systems (RPF)”; (b) CSA-B64.4, “Reduced Pressure Principle (RP) Backflow Preventers”.”</p>
2.6.2.5.	<p>Insert “a building or occupancy having” in Sentence (1) after “Where”.</p>
	<p>Add the following after Article 2.6.2.12.:</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>
2.6.3.2.	<p>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>

2.6.3.2.-A	Replace							
	“							
	Bathtub with 3/4 inch spout	¾	7.5	7.5	10	7.5	7.5	10
	”							
	in Table 2.6.3.2.-A by the following line:							
	“							
	Bathtub with 3/4 inch spout	¾	2.25	2.25	3	4.5	4.5	6
	”							
Table 2.6.3.2.-B 2.6.3.2.-C	Replace Tables 2.6.3.2.-B. and 2.6.3.2.-C. by the following:							
	“							
	<p>Table 2.6.3.2.-B</p> <p>Sizing of Water Distribution Systems for Urinals with Direct Flush Valves</p> <p>Forming Part of Sentences 2.6.3.2.(4) and 2.6.3.4.(5)</p>							
		<i>Fixture or Device</i>	<i>Minimum Size of Supply Pipe, inches</i>	<i>Private Use Hydraulic Load, fixture units</i>			<i>Public Use Hydraulic Load, fixture units</i>	
			Cold	Hot	Total	Cold	Hot	Total
	Urinal with direct flush valve	¾	–	–	–	5	–	5
		½	2	–	2	4	–	4

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)							
<i>Fixture or Device</i>	Minimum Size of Supply Pipe, inches	<i>Private Use Hydraulic Load, fixture units</i>			<i>Public Use Hydraulic Load, fixture units</i>		
		Cold	Hot	Total	Cold	Hot	Total
Water closet with direct flush valve	1	6	-	6	10	-	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 3.0 m/s.” after “manufacturer”.						
2.7.1.1.	Strike out “and good engineering practice” in Sentence (1);						
	Replace Sentence (3) by the following: “(3) <i>Non-potable water systems</i> 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: hospitals, long-term care centres, private seniors’ residences, healthcare occupancies, social service occupancies, blood transfusion facilities, medical and human specimen laboratories, dental offices, educational buildings including preschool, childcare facilities, childcare centres and day care centres.”;						
	Insert “also” in Sentence (4) after “non-potable is”.						

	<p>Add the following after Article 2.7.1.4.:</p> <p>“2.7.1.5 Non-Potable Water System Design (see note A-2.7.1.5.)</p> <p>(1) Except as provided in Sentence (2), the design, fabrication and installation of non-potable water systems shall comply 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”.</p> <p>(2) Non-potable water systems shall only be used to supply</p> <p>(a) water closets;</p> <p>(b) urinals;</p> <p>(c) sinks in tourist establishments covered by Chapter V.1 of the Regulation respecting the quality of drinking water (chapter Q-2, r. 40).”;</p> <p>(d) trap seal primers;</p> <p>(e) underground irrigation systems; or</p> <p>(f) closed hydronic systems (heating and air conditioning).”.</p>
2.7.2.1.(2)	Insert “tank” after “barrel”.
2.7.2.2.	Replace “irrigation systems” in Clause (e) by “underground irrigation systems; or”;
	Insert “closed” in Clause (f) before “hydronic”;
	Strike out Clauses (g) and (h).
2.7.2.3.	Add “and cause a health hazard” in Sentence (2) after “use”.

2.7.2.4.	Replace “good engineering practice » in Sentence (1) by “and CSA B805/ICC 805, “Rainwater harvesting systems”;											
	<p>Replace Sentence (4) by the following:</p> <p>“(4) Except as provided in Sentence (3), non-potable rainwater harvesting systems shall be provided with</p> <p>(a) 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 Notes A-2.7.2.2.(1) and 2.7.2.4.(3) and (4).);</p>											
	Replace “point d’élimination” in Clause (d) of Sentence (7) in the French text by “point de rejet”;											
	<p>Replace Clause (a) of Sentence (8) by the following:</p> <p>“(a) terminate with an indirect connection above a floor drain, sump, or other safe location with an air break;</p>											
	Strike out Clause (b) of Sentence (8).”											
2.8.1.1.	<p>Replace the table by the following:</p> <p>“</p> <p style="text-align: center;">Table 2.8.1.1. Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 2 Forming Part of Sentence 2.8.1.1.(1)</p> <table border="1" data-bbox="467 1394 1268 1566"> <thead> <tr> <th>Provision</th> <th>Functional Statements and Objectives⁽¹⁾</th> </tr> </thead> <tbody> <tr> <td colspan="2">2.1.2.1. Sanitary Drainage Systems</td> </tr> <tr> <td>(1)</td> <td>[F72-OH2.1]</td> </tr> <tr> <td rowspan="2">(2)</td> <td>[F72-OH2.1]</td> </tr> <tr> <td>[F72-OP5]</td> </tr> <tr> <td colspan="2">2.1.2.2. Storm Drainage Systems</td> </tr> </tbody> </table> <p>”</p>	Provision	Functional Statements and Objectives ⁽¹⁾	2.1.2.1. Sanitary Drainage Systems		(1)	[F72-OH2.1]	(2)	[F72-OH2.1]	[F72-OP5]	2.1.2.2. Storm Drainage Systems	
Provision	Functional Statements and Objectives ⁽¹⁾											
2.1.2.1. Sanitary Drainage Systems												
(1)	[F72-OH2.1]											
(2)	[F72-OH2.1]											
	[F72-OP5]											
2.1.2.2. Storm Drainage Systems												

(1)	[F72-OP5]
2.1.2.3. Water Distribution Systems	
(1)	[F46-OH2.2]
2.1.2.4. Separate Services	
(1)	[F71-OH2.1,OH2.3] [F70-OH2.1]
2.1.3.1. Lighting and Ventilation Requirements	
(1)	[F40-OH1.1] Applies to the requirement for ventilation. [F30-OS3.1] Applies to the requirement for lighting.
2.1.3.2. Accessibility	
(1)	[F40-OH2.1] [F41-OH2.4] [F71-OH2.3] [F82-OH2.1,OH2.2,OH2.3,OH2.4] [F71-OH2.3] [F81-OH2.4] [F81-OP5]
2.1.4.1. Structural movement	
(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]
2.2.1.1. Exposure of Materials	
(1)	[F80-OH2.1,OH2.2,OH2.3,OH2.4] [F80-OP5]
(2)	[F80-OH2.1] [F80-OP5]
2.2.1.2. Restrictions on Re-Use	
(1)	[F70-OH2.2]
2.2.1.5. Withstanding Pressure	
(1)	[F20,F81-OH2.1,OH2.3] [F46-OH2.2] [F20-OP5]
2.2.1.6. Working Pressure of a Water Service Pipe	
(1)	[F20,F81-OH2.3] [F20-OP5]
2.2.2.1. Surface Requirement	
(1)	[F41-OH2.4]
2.2.2.2. Conformance to Standards	
(1)	[F80-OH2.1,OH2.4] [F80-OS3.1, ,OS3.2]
2.2.2.3. Showers	
(1)	[F80-OH2.1] [F80-OP5]
(2)	[F80-OH2.1] [F40-OP5]
(3)	[F45-OH2.1]
(4)	[F45-OH2.1]
2.2.2.4. Concealed Overflows	
(1)	[F41,F81-OH2.1,OH2.4]
2.2.2.5. Water Closets in Public Washrooms	

(1)	[F30-OH2.1,OH2.4]
2.2.3.1. Traps	
(1)	[F81,F40-OH1.1]
(2)	[F81-OH1.1] [F81-OP5]
(3)	[F81-OH2.1,OH2.3,OH2.4] [F81-OP5]
(4)	[F81-OH1.1]
(5)	[F81-OH1.1]
2.2.3.2. Interceptors	
(1)	[F81-OH2.1,OH2.3,OH2.4]
(2)	[F81-OH2.1,OH2.3,OH2.4] [F46-OH2.2]
(3)	[F81-OH2.1,OH2.3,OH2.4]
(4)	[F81-OH2.1]
(5)	[F80-OH2.1,OH2.3,OH2.4] [F43-OH5]
(6)	[F80-OH2.1,OH2.3,OH2.4]
2.2.3.3. Tubular Traps	
(1)	[F82-OH2.1,OH2.4] [F82-OP5]
2.2.4.1. T and Cross Fittings	
(1)	[F81-OH2.1,OH2.4]
(2)	[F81-OH2.1,OH2.4]
2.2.4.2. Sanitary T Fittings	
(1)	[F81-OH2.1,OH2.4]
(2)	[F81-OH2.1,OH2.4] [F81-OP5]
2.2.4.3. 90° Elbows	
(1)	[F81-OH2.1,OH2.4]
(2)	[F81-OH2.1,OH2.4]
2.2.5.1. Fibrocement Pipe and Fittings	
(1)	[F20-OH2.1] [F20-OP5]
2.2.5.2. Concrete Pipe and Fittings	
(1)	[F20-OH2.1]
(2)	[F20-OH2.1]
(3)	[F20-OH2.1]
(4)	[F20-OH2.1]
(5)	[F20-OH2.1]
2.2.5.3. Vitrified Clay Pipe and Fittings	
(1)	[F20-OH2.1]
(2)	[F20-OH2.1]
(3)	[F20-OH2.1]
2.2.5.4. Polyethylene Pipe and Fittings	
(1)	[F20-OH2.1,OH2.2,OH2.3] [F20-OP5]
(2)	[F20-OP5]
(3)	[F20-OP5]
2.2.5.5. Polyethylene Pipe Used Underground	
(1)	[F72-OH2.1,OH2.3]
2.2.5.6. Crosslinked Polyethylene Pipe and Fittings	

(1)	[F20-OH2.2] [F20-OP5]
2.2.5.7. PVC Pipe and Fittings	
(1)	[F20-OH2.1,OH2.2,OH2.3] [F20-OP5]
(2)	[F20-OH2.1,OH2.2,OH2.3] [F20-OP5]
(3)	[F20-OH2.1,OH2.2,OH2.3] [F20-OP5]
(4)	[F20-OP5]
2.2.5.8. CPVC Pipe, Fittings and Solvent Cements	
(1)	[F20-OH2.2,OH2.3,OH2.4] [F20-OP5]
(2)	[F20-OP5]
2.2.5.9. Plastic Pipe, Fittings and Solvent Cement Used Underground	
(1)	[F20,F80,F81-OH2.1]
	[F20,F80,F81-OP5]
2.2.5.10. Transition Solvent Cement	
(1)	[F20,F80,F81-OH2.1,OH2.3]
(2)	[F20,F80,F81-OH2.1,OH2.3]
2.2.5.11. Plastic Pipe, Fittings and Solvent Cement Used in Buildings	
(1)	[F20,F80,F81-OH2.1,OH2.3]
2.2.5.12. Polyethylene/Aluminum/Polyethylene Composite Pipe and Fittings	
(1)	[F20,F80,F81-OH2.1,OH2.2,OH2.3]
	[F20-OP5]
(2)	[F20-OP5]
	[F20-OH2.1,OH2.2,OH2.3]
(3)	[F20-OP5]
	[F20-OH2.1,OH2.2,OH2.3]
(4)	[F20-OP5]
	[F20-OH2.1,OH2.2,OH2.3]
2.2.5.13. Crosslinked Polyethylene/Aluminum/Crosslinked Polyethylene Composite Pressure Pipe and Fittings	
(1)	[F20-OH2.1,OH2.2,OH2.3]
	[F20-OP5]
2.2.5.14. Polypropylene Pipe and Fittings	
(1)	[F20-OH2.1,OH2.2,OH2.3]
	[F20-OP5]
2.2.5.15. Polyethylene of Raised Temperature Tube and Fittings	
(1)	[F20,F70,F80-OH2.2] [F20,F70,F80-OP5]
(2)	[F80,F81-OH2.1]
	[F20,F70,F80-OP5]
2.2.5.16. Cellular Core PVC Pipe and Fittings	
(1)	[F20-OH2.1,OH2.2,OH2.3] [F20-OP5]
(2)	[F20-OH2.1]
	[F20-OP5]
2.2.6.1. Cast-Iron Drainage and Vent Pipe and Fittings	
(1)	[F20-OH2.1,OH2.3]
(2)	[F20-OH2.2]
(3)	[F20-OH2.1,OH2.3]
2.2.6.2. Maintenance Holes and Catch Basins	
(1)	[F81-OH1.1]

	[F20-OS3.1]
2.2.6.3. Threaded Cast-Iron Drainage Fittings	
(1)	[F20-OH2.1,OH2.3]
(2)	[F20-OP5]
2.2.6.4. Cast-Iron Water Pipes	
(1)	[F20-OP5]
	[F20-OH2.1,OH2.2,OH2.3]
(2)	[F80-OH2.2]
(3)	[F20-OP5]
(4)	[F20-OP5]
2.2.6.5. Screwed Cast-Iron Water Fittings	
(1)	[F20-OP5]
(2)	[F80-OH2.2]
(3)	[F81-OH2.1,OH2.3]
2.2.6.6. Screwed Malleable-Iron Water Fittings	
(1)	[F81-OP5]
(2)	[F80-OH2.2]
(3)	[F81-OH2.1,OH2.3]
2.2.6.7. Steel Pipe	
(1)	[F80-OH2.1,OH2.3] [F46-OH2.2]
(3)	[F46-OH2.2]
(4)	[F80-OH2.1,OH2.3]
	[F80-OP5]
2.2.6.8. Corrugated Steel Pipe and Couplings	
(1)	[F80-OP5]
(2)	[F81-OP5]
(3)	[F81-OP5]
2.2.6.9. Sheet Metal Leaders	
(1)	[F80-OP5]
2.2.6.10. Stainless Steel Pipe	
(1)	[F80-OH2.1] Applies to <i>drainage systems</i> and <i>venting systems</i> .
	[F46,F80-OH2.2] Applies to <i>water systems</i> .
	[F80-OP5]
(2)	[F80-OH2.1] Applies to <i>drainage systems</i> and <i>venting systems</i> .
	[F46,F80-OH2.2] Applies to <i>water systems</i> .
	[F80-OP5]
2.2.6.11. Stainless Steel Butt Weld Pipe Fittings	
(1)	[F80-OH2.1] Applies to <i>drainage systems</i> and <i>venting systems</i> .
	[F46,F80-OH2.2] Applies to <i>water systems</i> .
	[F80-OP5]
(2)	[F80-OH2.1] Applies to <i>drainage systems</i> and <i>venting systems</i> .
	[F46,F80-OH2.2] Applies to <i>water systems</i> .

	[F80-OP5]
2.2.6.12. Stainless Steel Pipe Flanges	
(1)	[F80-OH2.1] Applies to <i>drainage systems</i> and <i>venting systems</i> . [F46,F80-OH2.2] Applies to <i>water systems</i> . [F80-OP5]
(2)	[F80-OH2.1] Applies to <i>drainage systems</i> and <i>venting systems</i> . [F46,F80-OH2.2] Applies to <i>water systems</i> . [F80-OP5]
2.2.6.13. Stainless Steel Threaded Fittings	
(1)	[F80-OH2.1] Applies to <i>drainage systems</i> and <i>venting systems</i> . [F46,F80-OH2.2] Applies to <i>water systems</i> . [F20-OP5]
(2)	[F80-OH2.1] Applies to <i>drainage systems</i> and <i>venting systems</i> . [F46,F80-OH2.2] Applies to <i>water systems</i> . [F20-OP5]
2.2.6.14. Stainless Steel Tube	
(1)	[F46-OH2.2] [F80-OP5]
(2)	[F46-OH2.2] [F80-OP5]
2.2.6.15. Stainless Steel Pipe and Tube	
(1)	[F80-OH2.1,OH2.2,OH2.3]
2.2.7.1. Copper and Brass Pipe	
(1)	[F80-OH2.1,OH2.3] Applies to <i>drainage systems</i> and <i>venting systems</i> . [F46-OH2.2] Applies to <i>water systems</i> . [F80-OP5]
(2)	[F80-OH2.1,OH2.3] Applies to <i>drainage systems</i> and <i>venting systems</i> . [F46-OH2.2] Applies to <i>water systems</i> . [F80-OP5]
2.2.7.2. Brass or Bronze Pipe Flanges and Flanged Fittings	
(1)	[F80-OH2.1,OH2.3] Applies to <i>drainage systems</i> and <i>venting systems</i> . [F46-OH2.2] Applies to <i>water systems</i> . [F80-OP5]

2.2.7.3. Brass or Bronze Threaded Water Fittings	
(1)	[F80-OP5]
(2)	[F80-OH2.1,OH2.3]
2.2.7.4. Copper Tube	
(1)	[F80-OH2.1,OH2.3] Applies to <i>drainage systems</i> and <i>venting systems</i> . [F46-OH2.2] Applies to /.
	[F80-OP5]
(2)	[F80-OH2.1,OH2.2,OH2.3]
(3)	[F80-OH2.1, OH2.3,OH2.4]
2.2.7.5. Solder-Joint Drainage Fittings	
(1)	[F80-OH2.1,OH2.4]
(2)	[F20-OP5]
2.2.7.6. Solder-Joint Water Fittings	
(1)	[F20-OP5]
(2)	[F20-OP5]
2.2.7.7. Flared-Joint Fittings for Copper Water Systems	
(1)	[F20-OP5]
(2)	[F20-OP5]
2.2.7.8. Lead Waste Pipe and Fittings	
(1)	[F46,F20-OH2.2,OH2.3]
(2)	[F81-OH2.1,OH2.3,OH2.4]
2.2.7.9. Quick Connection Push-Fit Fittings	
(1)	[F46-OH2.2] [F80-OP5]
2.2.7.10. Mechanical press fittings	
(1)	[F46-OH2.2] [F80-OP5]
2.2.8.1. Pipes and Fittings	
(1)	[F80,F81-OH2.1] [F80,F81-OS3.2,OS3.4]
2.2.9.1. Cement Mortar	
(1)	[F80-OP5] [F80-OH2.1, OH2.3]
2.2.9.2. Solders and Fluxes	
(1)	[F80-OP5] [F80-OH2.1,OH2.3]
(2)	[F46-OH2.2]
(3)	[F80-OH2.1,OH2.3]
(4)	[F20,F80, F81-OH2.1,OH2.3]
2.2.10.1. Brass Floor Flanges	
(1)	[F80-OH2.1]
2.2.10.2. Screws, Bolts, Nuts and Washers	
(1)	[F80-OH2.1,OH2.3]
2.2.10.3. Cleanout Fittings	

(1)	[F80-OH2.1,OH2.3] Applies to <i>drainage systems</i> . [F46-OH2.2] Applies to <i>water systems</i> .
(2)	[F80-OH2.1]
2.2.10.4. Mechanical Couplings	
(1)	[F80-OP5]
(2)	[F80-OH2.1,OH2.3]
2.2.10.5. Saddle Hubs	
(1)	[F81-OH2.1,OH2.3] [F81-OP5]
2.2.10.6 Valves, and Supply and Waste Fittings	
(1)	[F80-OP5]
(2)	[F131-OE1.2]
(3)	[F30-OS3.1] [F31-OS3.2]
(4)	[F131-OE1.2]
(5)	[F131-OE1.2]
(6)	[F80-OH2.1,OH2.3]
(7)	[F81-OP5] [F46-OH2.2]
2.2.10.7. Water Temperature Control	
(1)	[F30,F31,F80-OS3.1,OS3.2]
(2)	[F31,F80-OS3.2]
(3)	[F30,F31,F80-OS3.1,OS3.2]
(4)	[F30,F31,F80-OS3.1,OS3.2]
(5)	[F31,F80-OS3.2]
(6)	[F31-OS3.2]
2.2.10.8. Direct Flush Valves	
(1)	[F81-OH2.1] a),b),e) [F81-OP5]
2.2.10.9. Drinking Fountain Bubblers	
(1)	[F40,F46-OH2.4]
(2)	[F41,F46-OH2.2]
(3)	[F41,F46-OH2.2]
2.2.10.10. Back-Siphonage Preventers and Backflow Preventers	
(1)	[F46-OH2.2]
(2)	[F46-OH2.2]
2.2.10.11. Relief Valves	
(1)	[F31-OS3.2] [F31-OP5]
2.2.10.12. Reducing Valves	
(1)	[F81-OP5]
2.2.10.13. Chauffe-eau	
(1)	[F46-OH2.2] [F80,F81-OP5] [F31,F81-OS3.2] [F43-OS3.4]
2.2.10.14. Vent Pipe Flashing	
(1)	[F80,F81-OP5]

(2)	[F80,F81-OP5]
2.2.10.15. Water Hammer Arresters	
(1)	[F20,F80-OP5]
2.2.10.16. Air Admittance Valves	
(1)	[F81-OH1.1]
2.2.10.17. Water Treatment Systems	
(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]
2.2.10.18. Flexible Water Connectors	
(1)	[F81-OP5]
	[F46-OH2.2]
2.2.10.19. Backwater Valves	
(1)	[F80-OH2.1]
2.2.10.20. Floor Drains and Shower Drains	
(1)	[F80-OH2.1,OH2.4]
2.2.10.21. Roof Drains	
(1)	[F80-OP5] [F80-OS2.1]
2.2.10.22. Trap Seal Primer Devices	
(1)	[F80-OH1.1]
2.2.10.23. Pipe Supports and Hangers	
(1)	[F20-OH2.1] [F20-OS3.1] [F80-OP5]
2.2.10.24. Floor Drain Trap Seals	
(1)	[F80,F82-OH1.1]
2.2.10.25. Expansion Tanks	
(1)	[F80,F82-OH1.1]
2.2.10.26. Heat Recovery Unit	
(1)	[F80,F82-OH1.1]
2.3.2.1. Caulked Lead Drainage Joints	
(1)	[F80-OH2.1,OH2.3]
(2)	[F80-OH2.1]
(3)	[F81-OH2.1]
(4)	[F81-OH2.1]
2.3.2.2. Wiped Joints	
(1)	[F80,F81-OH2.1]
	[F80,F81-OP5]
(2)	[F80,F81-OH2.1,OH2.2,OH2.3]
(3)	[F80,F81-OH2.1,OH2.2,OH2.3]
2.3.2.3. Screwed Joints	
(1)	[F80,F81-OH2.1,OH2.2,OH2.3]
(2)	[F70-OH2.2]
2.3.2.4 Soldered Joints	
(1)	[F20, F81-OH2.1, OH2.2, OH2.3]
2.3.2.5. Flared Joints	
(1)	[F20, F81-OH2.1, OH2.2, OH2.3]
	[F20, F81-OP5]

(2)	[F20, F81-OH2.1, OH2.2, OH2.3] [F20, F81-OP5]
2.3.2.6. Mechanical Joints	
(1)	[F20, F81-OH2.1, OH2.2, OH2.3] [F20-OP5]
2.3.2.7. Cold-Caulked Joints	
(1)	[F20, F81-OH1.1] Applies to bell and spigot joints in venting systems. [F20, F81-OH2.1, OH2.3] Applies to bell and spigot joints in drainage systems or venting systems. [F20, F81-OP5]
(2)	[F20, F81-OH1.1] [F20, F81-OP5] [F20, F81-OH2.1, OH2.2, OH2.3]
(3)	[F20-OH2.1, OH2.3]
2.3.2.8. Stainless Steel Welded Joints	
(1)	[F20, F81-OH2.1, OH2.2, OH2.3]
(2)	[F20, F81-OH2.1, OH2.2, OH2.3]
2.3.3.1. Drilled and Tapped Joints	
(1)	[F81-OH1.1] [F20, F81-OH2.2, OH2.3]
2.3.3.2. Extracted Tees	
(1)	[F81-OH2.1, OH2.3] [F20-OP5]
2.3.3.3. Prohibition of Welding of Pipes and Fittings	
(1)	[F20-OH1.1] [F20-OH2.1, OH2.2, OH2.3]
(2)	[F80-OH2.2] [F80-OP5]
2.3.3.4. Unions and Slip Joints	
(1)	[F81-OH1.1] [F81-OH2.1, OH2.3]
(2)	[F81-OH1.1] [F81-OH2.1, OH2.3]
2.3.3.5. Increaser or Reducer	
(1)	[F81-OH1.1] [F70, F80-OH2.2]
2.3.3.6. Dissimilar Materials	
(1)	[F80-OH1.1] [F80-OP5] [F80-OH2.1]
2.3.3.7. Connection of Roof Drain to Leader	
(1)	[F21, F81-OP5]
2.3.3.8. Connection of Floor or Wall Outlet Fixtures	
(1)	[F80-OH2.1, OH2.3]
(2)	[F80-OH2.1]
(4)	[F20-OH2.1] [F20-OS3.1]
(5)	[F20, F43-OH2.1]

	[F20,F30-OS3.1]
(6)	[F81-OH2.1]
(7)	[F21-OH2.1]
2.3.3.9. Expansion and Contraction	
(1)	[F21-OH1.1]
	[F21-OH2.1]
	[F21-OP5]
2.3.3.10. Copper Tube	
(1)	[F20-OH1.1]
	[F20-OP5]
2.3.3.11. Indirect Connections	
(1)	[F81-OH2.2,OH2.4]
(2)	[F81-OH2.2,OH2.4]
2.3.3.12. Copper Joints Used Underground	
(1)	[F20,F80-OP5]
(2)	[F20,F80-OP5]
2.3.4.1. Capability of Support	
(1)	[F20-OH2.1,OH2.4]
	[F20-OS3.1]
	[F20-OP5]
(2)	[F20-OS3.1]
	[F20-OH2.1,OH2.3]
2.3.4.2. Independence of Support	
(1)	[F20-OS3.1]
	[F20-OH2.1,OH2.3]
	[F20-OP5]
2.3.4.3. Insulation of Support	
(1)	[F80-OH2.1,OH2.3]
	[F80-OS3.1]
	[F80-OP5]
(2)	[F80-OH2.1,OH2.3]
	[F80-OS3.1]
	[F80-OP5]
2.3.4.4. Support for Vertical Piping	
(1)	[F20-OH2.1]
	[F20-OS3.1]
(2)	[F20-OH2.1]
	[F20-OS3.1]
	[F20-OP5]
2.3.4.5. Support for Horizontal Piping	
(1)	[F20-OS3.1]
	[F20-OH2.1,OH2.3]
	[F20-OP5]
(2)	[F20-OS3.1]
	[F20-OH2.1]
	[F20-OP5]
(3)	[F20-OP5]
	[F20,F81-OS3.1]

	[F20-OH2.1]
(4)	[F81-OP5]
	[F81-OS3.1]
(5)	[F20,F21-OP5]
	[F20-OS3.1]
	[F20-OH2.1]
(6)	[F20-OP5]
	[F20-OS3.1]
	[F20-OH2.1]
2.3.4.6. Support for Underground Horizontal Piping	
(1)	[F20-OP5]
	[F81-OH2.1]
2.3.4.7. Support for Vent Pipe above a Roof	
(1)	[F81-OS3.1]
	[F81-OP5]
2.3.5.1. Protection of Piping	
(1)	a) [F81-OP5]
	[F81-OH2.1,OH2.3]
2.3.5.2. Isolation from Loads	
(1)	[F81-OH2.1,OH2.3]
	[F81-OP5]
2.3.5.3. Protection Against Freezing	
(1)	[F81-OP5]
	[F81-OH2.1,OH2.3]
2.3.5.4. Protection from Mechanical Damage	
(1)	[F81-OH2.1,OH2.3]
	[F81-OP5]
2.3.5.5. Protection from Condensation	
(1)	[F81-OP5]
2.3.6.1. Tests and Inspection of Drainage or Venting Systems	
(1)	[F81-OH2.1,OH2.3] Applies to <i>drainage systems</i> .
	[F81-OH1.1] Applies to <i>venting systems</i> .
(2)	[F81-OH1.1] Applies to <i>venting systems</i> .
	[F81-OH2.1,OH2.3] Applies to <i>drainage systems</i> .
(3)	[F81-OH1.1]
	[F81-OH2.1,OH2.3]
(4)	[F81-OH1.1] Applies to <i>venting systems</i> .
	[F81-OH2.1,OH2.3] Applies to <i>drainage systems</i> .
(5)	[F81-OH2.1,OH2.3]
2.3.6.2. Tests of Pipes in Drainage Systems	
(1)	[F81-OH2.1,OH2.3]
	[F81-OP5]
(2)	[F81-OH2.1]
2.3.6.3. Tests of Venting Systems	
(1)	[F81-OH1.1]
2.3.6.4. Water Pressure Tests	
(1)	[F81-OH1.1]
	[F81-OH2.1,OH2.3]

(2)	[F81-OH1.1] [F81-OH2.1,OH2.3]
2.3.6.5. Air Pressure Tests	
(1)	[F81-OH1.1] [F81-OH2.1,OH2.3]
2.3.6.6. Final Tests	
(1)	[F81-OH1.1] [F81-OH2.1,OH2.3]
(2)	[F81-OH1.1] [F81-OH2.1,OH2.3]
2.3.6.7. Ball Tests	
(1)	[F81-OH2.1,OH2.3]
(2)	[F81-OH2.1,OH2.3]
2.3.6.8. Smoke Tests	
(1)	[F81-OH1.1] [F81-OH2.1,OH2.3]
2.3.7.1. Application of Tests	
(1)	[F81-OP5]
(3)	[F81-OP5]
(4)	[F81-OP5]
2.3.7.2. Pressure Tests of Potable Water Systems	
(1)	[F20-OP5]
(2)	[F20,F81-OS3.1]
2.3.7.3. Water Pressure Tests	
(1)	[F81-OP5]
(2)	[F70-OH2.2]
2.4.2.1. Connections to Sanitary Drainage Systems	
(1)	[F72-OH2.1] Applies to <i>fixtures</i> that are <i>directly connected to sanitary drainage systems</i> . a) [F81-OH2.2] b) [F81-OH2.2] c) [F81-OH2.1] d) [F81-OH2.1] e) [F81-OH2.1]
(2)	[F81-OH1.1]
(3)	[F81-OH1.1]
(4)	[F81-OH1.1]
(5)	[F81-OH1.1]
(6)	[F81-OH1.1]
(7)	[F81-OH1.1]
2.4.2.2. Connection of Overflows from Rainwater Tanks	
(1)	[F81-OH2.2]
2.4.2.3. Direct Connections	
(1)	[F81-OH2.2]
(2)	[F81-OH2.1,OH2.4]
(3)	[F81-OH2.4]
2.4.2.4. Toilet Wall Supports	
(1)	[F20,F81-OH2.1,OH2.3]
2.4.3.1. Urinals	

(1)	[F81-OH2.4]
2.4.3.2. Restricted Locations of Indirect Connections and Traps	
(1)	[F81-OH2.1,OH2.4]
2.4.3.3. Equipment Restrictions Upstream of Grease Interceptors	
(1)	[F81-OH2.1]
2.4.3.4. Fixtures Located in Chemical Storage Locations	
(1)	[F81-OS1.1]
	[F43-OH5]
2.4.3.5. Macerating Toilet Systems	
(1)	[F72-OH2.1]
2.4.3.6. Drains Serving Elevator Pits	
(1)	a) [F62-OP5]
	b) [F81-OH2.1]
2.4.3.7. Retention Pits	
(1)	[F60,F61-OH1.1]
(2)	[F81-OH1.1] [F81-OH2.1]
(3)	[F81-OH1.1]
(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)	[F81-OH2.1] [F43-OH1.1]
2.4.4.1. Sewage Treatment	
(1)	[F81-OH2.1]
(2)	[F81-OH2.1]
(3)	[F81-OH2.1]
2.4.4.2. Cooling of Hot Water or Sewage	
(1)	[F81-OH2.1]
2.4.4.3. Interceptors	
(1)	[F81-OH2.1]
(2)	[F81-OS1.1]
	[F43-OH5]
(3)	[F81-OH2.1]
(4)	[F81-OH2.1]
2.4.4.4. Neutralizing and Dilution Tanks	
(1)	[F80-OS3.4]
(2)	[F43-OH5]
	[F80-OH2.1]
2.4.5.1. Traps for Sanitary Drainage Systems	
(1)	[F81-OH1.1]
(6)	[F81-OH1.1]
	[F81-OP5]
2.4.5.2. Traps for Storm Drainage Systems	
(1)	[F81-OH1.1]
(2)	[F81-OH1.1]

(3)	[F81-OP5]
2.4.5.3. Connection of Subsoil Drainage Pipe to a Sanitary Drainage System	
(1)	[F81-OH2.1]
2.4.5.4. Location and Cleanout for Building Traps	
(1)	[F81-OH2.1] [F81-OH1.1]
2.4.5.5. Trap Seals	
(1)	[F81-OH1.1]
(2)	[F81-OH1.1]
2.4.6.1. Separate Systems	
(1)	[F81-OH2.1]
(2)	[F81-OH2.1]
(3)	[F81-OH1.1]
2.4.6.2. Location of Sanitary Drainage Pipes	
(1)	[F81-OH2.2]
2.4.6.3. Sumps or Tanks	
(1)	[F81-OH2.1]
(2)	[F81-OH2.1] Applies to the watertightness of sumps or tanks.
(3)	[F81-OH2.1]
(4)	[F81-OH2.1]
(5)	[F81-OH2.1]
(6)	[F81-OH2.1]
(7)	[F81-OH2.1]
(8)	[F81-OH2.1] [F43-OH1.1]
2.4.6.4. Protection from Backflow	
(1)	[F81-OH2.1]
(3)	[F81-OH2.1]
(4)	[F81-OH2.1] [F81-OH1.1]
(5)	[F81-OH1.1] [F81-OH2.1]
(7)	[F81-OH2.1]
2.4.6.5. Mobile Home Sewer Service	
(1)	[F81-OH2.1]
2.4.7.1. Cleanouts for Drainage Systems	
(1)	[F81-OH2.1]
(2)	[F81-OH2.1]
(3)	[F81-OH2.1]
(4)	[F81-OH2.1]
(5)	[F81-OH2.1]
(6)	[F81-OH2.1]
(7)	[F81-OH2.1]
(8)	[F81-OH2.1]
(9)	[F81-OH2.1]
(10)	[F82-OH2.1] [F82-OP5]
(11)	[F81-OH2.1] [F81-OP5]
(12)	[F62-OH1.1] [F72-OH2.3]
2.4.7.2. Size and Spacing of Cleanouts	
(1)	[F81-OH2.1]

(2)	[F81-OH2.1]
(3)	[F81-OH2.1]
(4)	[F81-OH2.1]
2.4.7.3. Manholes	
(1)	[F20-OS3.1]
(2)	a),c) [F81-OH1.1]
	a),c) [F81-OS1.1]
	b) [F20-OS3.1]
(3)	[F30-OS3.1]
(4)	[F81-OH2.1]
2.4.7.4. Location of Cleanouts	
(1)	[F81-OH2.1]
(2)	a) [F81-OS3.1] b) [F81-OH2.1]
(3)	[F81-OH2.1]
(4)	[F81-OH2.1] Applies to drainage piping. [F81-OH1.1] Applies to <i>vent piping</i> .
(5)	[F43-OH5][F43-OS3.4]
2.4.8.1. Minimum Slope	
(1)	[F81-OH2.1]
2.4.8.2. Length of Fixture Outlet Pipes	
(1)	[F81-OH1.1]
2.4.9.1. No Reduction in Size	
(1)	[F81-OH2.1]
	[F81-OH1.1]
2.4.9.2. Serving Water Closets	
(1)	[F81-OH2.1]
(2)	[F81-OH2.1]
(3)	[F81-OH2.1]
(4)	[F81-OH2.1]
2.4.9.3. Size of Fixture Outlet Pipes	
(1)	[F81-OH2.1]
(2)	[F81-OH2.1]
(3)	[F81-OP5]
	[F81-OH1.1]
2.4.9.4. Size of Building Drain and Building Sewer	
(1)	[F81-OH2.1]
2.4.9.5. Offset in Leaders	
(1)	[F81-OH2.1,OH2.3]
(2)	[F81-OH2.1]
2.4.10.1. Total Load on a Pipe	
(1)	[F81-OH2.1]
2.4.10.2. Hydraulic Loads for Fixtures	
(2)	[F81-OH2.1]
2.4.10.3. Hydraulic Loads from Fixtures with a Continuous Flow	
(1)	[F81-OH2.1]
(2)	[F81-OH2.1]
2.4.10.4. Hydraulic Loads from Roofs or Paved Surfaces	
(1)	[F81-OP5] [F20,F81-OS2.1]

(2)	[F20,F81-OP5] a), d) et e) [F41,F81-OH2.4] b) et c) [F20,F81-OS2.1]
(3)	[F20,F81-OP5] [F20,F81-OS2.1]
(4)	[F20,F81-OP5] [F20,F81-OS2.1]
2.4.10.5. Conversion of Fixture Units to Litres	
(1)	[F81-OH2.1]
2.4.10.6. Hydraulic Loads to Sanitary Drainage Pipes	
(1)	[F72-OH2.1,OH2.3]
(2)	[F72-OH2.1,OH2.3]
2.4.10.7. Hydraulic Loads on Branches	
(1)	[F72-OH2.1,OH2.3]
2.4.10.8. Hydraulic Loads on Sanitary Building Drains or Sewers	
(1)	[F81-OH2.1,OH2.3]
2.4.10.9. Hydraulic Loads on Storm or Combined Building Drains or Sewers	
(1)	[F81-OH2.1,OH2.3]
2.4.10.10. Hydraulic Loads to Roof Gutters	
(1)	[F81-OP5]
2.4.10.11. Hydraulic Loads on Leaders	
(1)	[F81-OP5]
2.4.10.12. Hydraulic Loads from Fixtures with a Semi-continuous Flow	
(1)	[F81-OP5]
2.4.10.13. Design of Storm Sewers	
(1)	[F81-OH2.1]
2.5.1.1. Venting for Traps	
(1)	[F81-OH1.1]
(2)	[F81-OH1.1]
2.5.2.1. Wet Venting	
(1)	[F81-OH1.1]
2.5.3.1. Circuit Venting	
(1)	[F40,F81-OH1.1]
(2)	[F40,F81-OH1.1]
(3)	[F40,F81-OH1.1]
(4)	[F40,F81-OH1.1]
(5)	[F40,F81-OH1.1]
(6)	[F40,F81-OH1.1]
(7)	[F40,F81-OH1.1]
(8)	[F40,F81-OH1.1]
(9)	[F40,F81-OH1.1]
(10)	[F40,F81-OH1.1]
(11)	[F40,F81-OH1.1]
2.5.4.1. Stack Vents	
1)	[F40,F81-OH1.1]
2.5.4.2. Vent Stacks	
(1)	[F40,F81-OH1.1]
(3)	[F40,F81-OH1.1]
(4)	[F40,F81-OH1.1]
2.5.4.3. Yoke Vents	

(1)	[F40,F81-OH1.1]
(2)	[F40,F81-OH1.1]
(3)	[F40,F81-OH1.1]
(4)	[F40,F81-OH1.1]
2.5.4.4. Offset Relief Vents	
(1)	[F40,F81-OH1.1]
2.5.4.5. Fixtures Draining into Vent Pipes	
(1)	[F40,F81-OH1.1]
2.5.5.1. Venting of Sewage Sumps	
(1)	[F40,F81-OH1.1]
2.5.5.2. Venting of Oil Interceptors	
(1)	[F40,F81-OS1.1]
	[F72,F81-OH2.1,OH2.3]
	[F40,F81-OH1.1]
(2)	[F40,F81-OS1.1]
	[F40,F81-OH1.1]
(3)	[F40,F81-OS1.1]
(4)	[F40,F81-OS1.1]
(5)	[F40,F81-OS1.1]
2.5.5.3. Venting of Drain Piping and Tanks for Corrosive Waste	
(1)	[F80,F81-OS3.4]
2.5.5.4. Fresh Air Inlets	
(1)	[F81-OH1.1]
2.5.5.5. Provision for Future Installations	
(1)	[F81-OH1.1] Applies to <i>venting systems</i> .
	[F81-OH2.1,OH2.3] Applies to <i>drainage systems</i> .
(2)	[F40,F81-OH1.1]
2.5.6.1. Drainage of Vent Pipes	
(1)	[F81-OH1.1]
	[F81-OS1.1]
2.5.6.2. Vent Pipe Connections	
(1)	[F81-OH1.1]
(2)	[F81-OH1.1]
(3)	[F40,F81-OH1.1]
(4)	[F43-OS3.4,OH1.1]
2.5.6.3. Location of Vent Pipes	
(1)	[F81-OH1.1]
(2)	[F81-OH2.1,OH2.3]
(3)	[F81-OH1.1]
(4)	[F40,F81-OH1.1]
2.5.6.4. Connection of Vents above Fixtures Served	
(1)	[F81-OH1.1]
(2)	[F81-OH1.1]
2.5.6.5. Terminals	
(1)	[F81-OH1.1]
(2)	[F81-OH1.1]
(3)	[F81-OH1.1]
(4)	[F81-OH1.1]

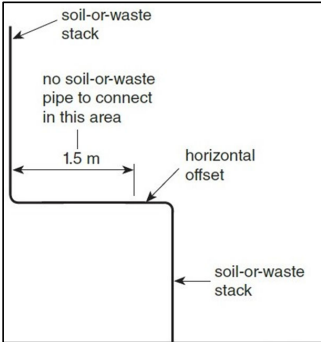
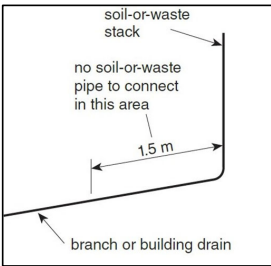
(5)	[F81-OH1.1]
(6)	[F81-OH1.1]
2.5.7.1. General	
(1)	[F81-OH1.1]
2.5.7.2. Size Restriction	
(1)	[F81-OH1.1]
(2)	[F81-OH1.1]
2.5.7.3. Additional Circuit Vents and Relief Vents	
(1)	[F81-OH1.1]
(2)	[F81-OH1.1]
2.5.7.4. Offset Relief Vents	
(1)	[F81-OH1.1]
2.5.7.5. Yoke Vents	
(1)	[F81-OH1.1]
2.5.7.6. Vent Pipes for Manholes	
(1)	[F81-OH2.1]
2.5.7.7. Vents for Sewage Sumps, Neutralizing and Dilution Tanks, and Macerating Toilet Systems	
(1)	[F81-OH2.1]
(2)	[F81-OH2.1]
(3)	[F81-OH1.1]
2.5.8.1. Hydraulic Loads Draining to Wet Vents	
(1)	[F81-OH1.1]
2.5.8.2. Individual Vents and Dual Vents	
(1)	[F81-OH1.1]
2.5.8.3. Branch Vents, Vent Headers, Continuous Vents and Circuit Vents	
(1)	[F81-OH1.1]
2.5.8.4. Vent Stacks or Stack Vents	
(3)	[F81-OH1.1]
(4)	[F81-OH1.1]
2.5.9.2. Air Admittance Valves	
(1)	[F40,F81-OH1.1]
(2)	[F40,F81-OH1.1]
2.5.9.3. Installation Conditions	
(1)	[F40,F81-OH1.1]
(2)	[F40,F81-OH1.1]
(3)	[F40,F81-OH1.1]
(4)	[F40,F81-OH1.1]
(5)	[F40,F81-OH1.1]
2.6.1.1. Design	
(1)	[F31-OS3.2]
(2)	[F71-OH2.3]
(3)	[F40-OH1.1]
(4)	[F40-OH1.1]
2.6.1.2. Drainage	
(1)	[F81-OP5]
2.6.1.3. Shut-off Valves	
(1)	[F81-OP5]

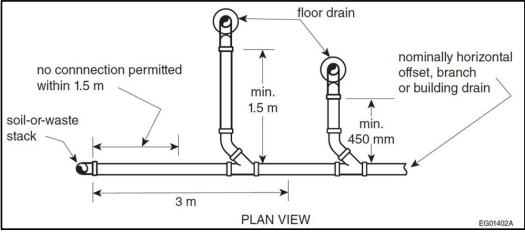
(2)	[F81-OP5]
(3)	[F81-OP5]
(4)	[F81-OP5]
(5)	[F70,F72-OH2.1,OH2.3]
(6)	[F70,F72-OH2.1,OH2.3]
(7)	[F70,F81-OH2.1,OH2.3]
2.6.1.4. Protection for Exterior Water Supply	
(1)	[F81-OP5]
2.6.1.5. Check Valves	
(1)	[F20,F81-OP5]
2.6.1.6. Flushing Devices	
(1)	[F72-OH2.1]
(2)	[F72-OH2.1]
(3)	[F130-OE1.2]
(4)	[F81-OH2.1]
(5)	[F130-OE1.2]
2.6.1.7. Relief Valves	
(1)	[F31,F81-OS3.2]
(2)	[F81-OS3.1,OS3.2]
(4)	a) [F31-OS3.2] [F81-OS1.1] b) [F81-OS3.1,OS3.2]
(5)	[F31-OS3.2] b) [F81-OH2.2] Applies to the size of <i>air breaks</i> .
(6)	[F31-OS3.2]
(7)	[F31-OS3.2]
(8)	[F81-OS3.2]
(9)	[F81-OP5]
(10)	[F81-OP5]
2.6.1.8. Solar Domestic Hot Water Systems	
(1)	[F31-OS3.2] [F81-OS3.4] [F70-OH2.2]
2.6.1.9. Water Hammer	
(1)	[F20,F81-OS3.2] [F20,F81-OP5]
2.6.1.10. Mobile Home Water Service	
(1)	[F71,F70,F46-OH2.2,OH2.3]
2.6.1.11. Thermal Expansion	
(1)	[F20,F81,F46-OP5]
2.6.1.12. Service Water Heaters	
(1)	[F40-OS3.4]
(2)	[F30,F31-OS3.1,OS3.2] [F46-OH1.1]
2.6.2.1. Connection of Systems	
(1)	[F70,F81,F46-OH2.1,OH2.2,OH2.3]
(2)	[F70,F81,F46-OH2.1,OH2.2,OH2.3]
(3)	[F70,F81,F82-OH2.2,OH2.3]
2.6.2.2. Back-Siphonage	
(1)	[F70,F81,F46-OH2.1,OH2.2,OH2.3]
(2)	[F70,F81,F46-OH2.1,OH2.2,OH2.3]

2.6.2.3. Backflow Caused by Back Pressure	
(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]
2.6.2.4. Backflow from Fire Protection Systems	
(2)	[F46,F70,F81-OH2.1,OH2.2,OH2.3]
(3)	[F46,F70,F81-OH2.1,OH2.2,OH2.3]
(4)	[F46,F70,F81-OH2.1,OH2.2,OH2.3]
2.6.2.5. Separation of Water Supply Systems	
(1)	[F46,F70,F81-OH2.2]
2.6.2.6. Premise Isolation	
1)	[F70,F81,F82-OH2.1,OH2.2,OH2.3]
2.6.2.7. Hose Bibb	
(1)	[F70,F81,F46-OH2.1,OH2.2,OH2.3]
2.6.2.8. Cleaning of Systems	
(1)	[F70,F81,F46-OH2.1,OH2.2,OH2.3]
2.6.2.9. Air Gap	
(1)	[F70,F81,F46-OH2.1,OH2.2,OH2.3]
(2)	[F70,F81,F46-OH2.1,OH2.2,OH2.3]
2.6.2.10. Vacuum Breakers	
(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]
2.6.2.11. Tank-Type Water Closets	
(1)	[F70, F81,F46-OH2.1,OH2.2,OH2.3]
2.6.2.12. Backflow Preventers	
(1)	[F70,F81,F46-OH2.1,OH2.2,OH2.3]
2.6.3.1. Design, Fabrication and Installation	
(1)	[F71, F72-OH2.1,OH2.3]
(2)	[F72-OH2.1] [F70-OH2.2] [F71-OH2.3]
(3)	[F81-OP5][F81-OS1.4]
	[F70, F71-OH2.1,OH2.3]
2.6.3.2. Hydraulic Load	
(1)	[F71, F72-OH2.1,OH2.3]
(2)	[F71, F72-OH2.1,OH2.3]
(3)	[F71, F72-OH2.1,OH2.3]
(4)	[F81-OH2.1,OH2.2]
2.6.3.3. Static Pressure	
(1)	[F81-OS3.2]
2.6.3.4. Size	
(1)	[F71,F72-OH2.1,OH2.3]
(2)	[F71,F72-OH2.1,OH2.3]
(3)	[F71,F72-OH2.1,OH2.3]
(4)	[F81-OH2.3]
(5)	[F71,F72-OH2.1,OH2.3]
2.6.3.5. Velocity	
(1)	[F81-OH2.1, OH2.3]
	[F81-OP5]

	[F81-OS3.1]
	2.7.1.1. General
(1)	[F81-OH2.2]
(2)	[F82-OH2.2]
(3)	[F40-OH2.2]
(4)	[F46-OH2.2]
(5)	[F80,F81-OS3.4] [F81-OP5]
	2.7.1.2. Identification and Marking
(1)	[F46-OH2.2] [F81-OH2.2]
	2.7.1.3. Location of Pipes
(1)	[F46,F40-OH2.2] [F40,F81-OH2.4]
	2.7.1.4. Location of Outlets
(1)	[F40,F46-OH2.2]
	2.7.1.5. Design of Non-Potable Water Systems
(1)	[F81-OH2.1] [F82-OH2.2]
	2.7.2.2. Permitted Applications
(1)	[F46-OH2.2] [F81-OH2.2]
	2.7.2.3. Roof Design
(1)	[F41-OH2.2]
(2)	[F41-OH2.2]
	2.7.2.4. Non-Potable Rainwater Harvesting System Design
(1)	[F46,F80,F81-OH2.2]
(2)	[F41-OH2.2]
(3)	[F40-OH2.2]
(4)	[F41-OH2.2]
(5)	[F80,F81-OS3.4] [F81-OP5]
(6)	[F81-OH2.2]
(7)	[F81-OH2.2] [F81-OP5]
(8)	[F81-OH2.2] [F81-OP5]
(9)	[F46-OH2.2]
(10)	[F46-OH2.2]
	(¹) See Parts 2 and 3 of Division A. ”
A-2.2.5 to A-2.2.8	Replace “CSA A60.1-M” in the reference line to the NPC in section 2.2.5.3. by “CSA A60.1-FM”.
A-2.2.5.15.(1)	Insert “and fittings” in the title after “Tubes”.

A-2.2.10.5.(1)	Replace “or” in the title by “and”.
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 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 persons with disabilities 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>
A-2.4.2.1.(1)	Replace the title of the note by the following: “A-2.4.2.1.(1)(a)(i) and (e) Indirect Connections. ”.

	<p>Replace “(1)(a)(ii) and (e)(vi)” in the title of the Figure by “(1)(a)(i) and (e)”.</p>
<p>A-2.4.2.1.(2)</p>	<p>Replace the figure by the following: “A-2.4.2.1.(2) Sanitary Drainage Pipe Connections.</p>  <p>The diagram shows a vertical soil-or-waste stack on the left. A horizontal pipe extends 1.5 m to the right from the stack, then turns 90 degrees down to become a vertical soil-or-waste stack. A label 'horizontal offset' points to the horizontal section. A label 'no soil-or-waste pipe to connect in this area' with a 1.5 m dimension line indicates the restriction zone. The bottom soil-or-waste stack is labeled 'soil-or-waste stack'.</p> <p>Figure A-2.4.2.1.(2) Sanitary drainage pipe connections</p> <p style="text-align: right;">“</p>
	<p>Add the following figures after note A-2.4.2.1.(4) and (5): “A-2.4.2.1. (6) Sanitary drainage pipe connections at the bottom of a soil-or-waste stack.</p>  <p>The diagram shows a vertical soil-or-waste stack on the right. A branch or building drain extends 1.5 m to the left from the bottom of the stack. A label 'no soil-or-waste pipe to connect in this area' with a 1.5 m dimension line indicates the restriction zone. The top soil-or-waste stack is labeled 'soil-or-waste stack' and the bottom branch is labeled 'branch or building drain'.</p> <p>Figure A-2.4.2.1. (6)</p>

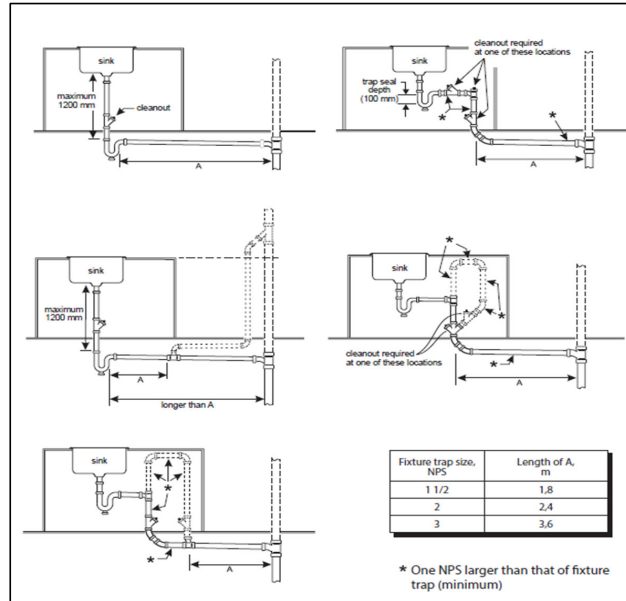
	<p>Sanitary drainage pipe connections at the bottom of a soil-or-waste stack</p> <p>A-2.4.2.1. (7) Sanitary drainage pipe connections.</p>  <p>Figure A-2.4.2.1.(7) Sanitary drainage pipe connections</p>
<p>A-2.4.4.3.(1)</p>	<p>Insert “or CSA B481 Series” at the end of the note.</p>
<p>A-2.4.5.1.(5)</p>	<p>Replace “A-2.4.2.1. (1)(a)(ii) and (e)(vii)” in the note “A-2.4.2.1. (1)(a)(i) and (e)”.</p>
<p>A-2.4.5.3.(1)</p>	<p>Replace the note by the following:</p> <p>“A-2.4.5.3. (1) Connection of Subsoil Drainage Pipe to a Drainage System.</p> <p>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 shall be installed in accordance with Sentence 2.4.7.1.(2).</p>

	<p>Figure A-2.4.5.3. (1) Connection of Subsoil Drainage Pipe to a Drainage System.”</p>
<p>A-2.4.5.5.</p>	<p>Add the following after Sentence (1):</p> <p>“(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>

Replace the figure by the following:

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

A-2.4.8.2.(1)



**Figure A-2.4.8.2.(1)
Island Fixture Installation**

”

A-2.5.2.1.-E

Replace the figure by the following:

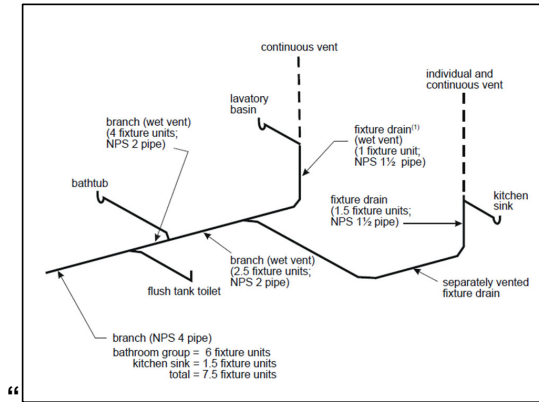


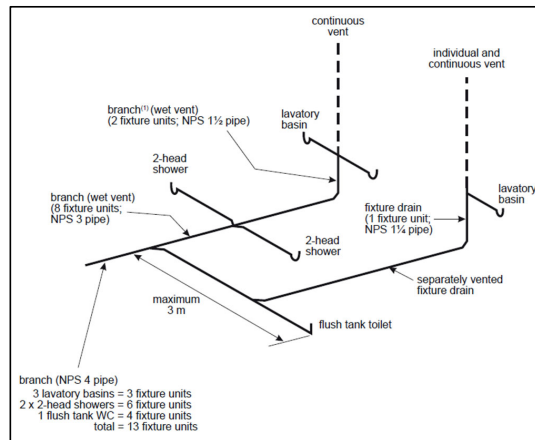
Figure A-2.5.2.1.-E
Example of Wet Venting Described in Clause 2.5.2.1.(1)(f)

”

A-2.5.2.1 F

Replace the figure by the following:

“



	<p>Figure A-2.5.2.1.-F Example of Wet Venting Described in Clause 2.5.2.1.(1)(f)</p> <p>(1) The load from the separately vented kitchen sink is included when sizing this pipe.</p>
A-2.6.1.12.	<p>Replace the note by the following:</p> <p>“(1) Service Water Heater. Water in a service water heater or in a distribution system that is kept at less than 60 °C permits Legionella bacteria to survive and thrive. 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.</p> <p>CSA B64.10.1 Maintenance and field testing of backflow preventers contains the methods of maintenance and field testing of backflow preventers.”.</p>
A-2.6.2.4.(2)	<p>Insert the following after “Table A-2.6.2.4.(2) Selection Guide for Backflow Prevention Devices on Fire Sprinkler and Standpipe Systems”:</p> <p>“Forming Part of Note A-2.6.2.4.(2)”.</p>
A-2.6.3.1.(2)	<p>Insert the following under “Small Building Method”: ““Small building” means a building used for Division 2 or 3, group A, D, E, or F occupancy described in Subsection 3.1.2., 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>“Design, manufacture and Installation”.</p> <hr/> <p>Strike out “good engineering practice” in the text.</p>

	<p>Insert the following after Note A-2.7.1.1.(1):</p> <p>“A-2.7.1.5. Non-Potable Water System Design.</p> <p>There is a growing interest in Canada in using available non-potable water supplies in the place of potable ones for selected purposes such as flushing water closets. Article 2.7.1.5. 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)	Replace the title by the following “A-2.7.2.4.(1) Examples relating to design” ;
	Replace “good engineering practice in the” in the text by “relating to”;
	Strike out “de l’art” in the French text;
Division C Part 2	
2.2.1.	Strike out this Subsection.
2.2.2.	<p>Replace Subsection 2.2.2 by the following:</p> <p>“2.2.2. Plans and Specifications</p> <p>2.2.2.1. Requirements</p> <p>(1) A plumbing contractor or owner-builder may not begin construction work on a plumbing system to which Chapter III of the Construction Code applies unless there are plans and specifications for the work, if the total hydraulic load to be installed exceeds 180 fixture units.</p> <p>(2) Sentence (1) does not apply to construction work on a plumbing system in a building to which Part 9 of Division B of the National Building Code, as adopted by Chapter I of the Construction Code, applies.</p>

(3) When required, the plans and specifications shall be available on the worksite.

2.2.2.2. Content

(1) Plans shall be drawn to scale and show

(a) a plan view of the location and dimension of the drains and cleanouts, the location of fixtures and the water distribution system;

(b) an elevation view of the location of fixtures and traps, the dimension of drains, leaders, soil-or-waste stacks, stack vents and vent stacks as well as the water distribution system; and

(c) the connection of the subsoil drainage pipe if it enters the building.”.

2.2.3. Approval of Materials

2.2.3.1. Approved Materials, Fixtures and Facilities used in a Plumbing System

(1) In a plumbing system, only materials, fixtures or facilities that are certified or approved by one of the following organizations may be used:

(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) LabTest Certification Inc. (LC),

(g) Underwriters' Laboratories of Canada (ULC),

(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),
(n) any other organization accredited by the Standards Council of Canada as a certifying organization in the field of plumbing which has notified the Board of its accreditation. A list of these organizations is published on the Board's website.

2.2.3.2. Sale and lease

(1) Materials, fixtures or facilities that may be used in a plumbing system shall be certified or approved by an organization listed in Sentence 2.2.3.1.(1) before being sold or leased.

2.2.4. Declaration of Work

2.2.4.1. Application

(1) A plumbing contractor or owner-builder shall declare to the Board all construction work performed and to which Chapter III of the Construction Code applies if the work pertains to a new *plumbing system* or requires the replacement of a *service water heater* or pipes.

2.2.4.2. Submission of the Declaration

(1) The declaration required under Article 2.2.4.1. shall be forwarded to the Board not later than the twentieth day of the month following the date on which work starts.

2.2.4.3 Form

(1) The declaration of work shall be made on the form provided by the Board or on any other document prepared for that purpose.

2.2.4.4 Content

(1) The declaration shall contain

- (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 occupancy of the building or facility intended for use by the public and the existing and planned number of storeys, and
- (g) the number of fixtures and service water heaters to be installed.

2.2.5. Fees Payable

2.2.5.1. Calculation

(1) The following fees shall be paid to the Board by the plumbing contractor or owner-builder, when the plumbing contractor declares the construction work pertaining to plumbing systems for which a declaration is required under Article 2.2.4.1.:

- (a) \$173.62 for a new single-family detached or semi-detached house or row house,
- (b) \$105.10 per dwelling unit other than those covered by Clause (a) for the construction of a new building intended for housing or for the conversion of a building of another nature into a building intended for housing, regardless of the number of fixtures and service water heaters, or
- (c) in the case of work other than work covered by Clauses (a) and (b),
 - (i) \$13.94 per fixture or service water heater, where the work is performed on more than one, or
 - (ii) \$23.91 where the work is performed on only one or no fixture or service water heater.

	<p>(2) A plumbing contractor or owner-builder shall pay the following inspection fees to the Board for the inspection of a plumbing system following the issue of a remedial notice provided for in section 122 of the Building Act (chapter B-1.1):</p> <p>(a) \$117.28 for the first hour or any fraction thereof, and</p> <p>(b) half the hourly rate established in Clause (a) for each half-hour or fraction thereof added to the first hour.</p> <p>(3) A plumbing owner-builder shall pay to the Board the inspection fees fixed in Clauses (a) and (b) of Sentence (2) for the inspection of a plumbing system.</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>
2.3.1.	<p>Replace the title by the following: “2.3.1. Approval of Alternative Solutions”.</p>
2.3.1.1.	<p>Replace the title by the following: “2.3.1.1. Conditions for Approval”.</p> <hr/> <p>Replace Sentence (1) by the following: “Conditions for Approval</p> <p>(1) The proposed alternative solutions shall be approved by the Board on the conditions it sets pursuant to section 127 of the Building Act (chapter B-1.1).”.</p>

5. The Code is amended by striking out sections 3.05 and 3.06.
6. Section 3.07 is amended by replacing “paragraph 3 of section 3.06” by “section 3.04”.
7. This Regulation comes into force on (*indicate the date of the forty-fifth day following the date of publication of this Regulation in the Gazette officielle du Québec*).

106616

Draft Regulation

Act respecting financial assistance for education expenses
(chapter A-13.3)

Financial assistance for education expenses — Amendment

Notice is hereby given, in accordance with sections 10 and 11 of the Regulations Act (chapter R-18.1), that the Regulation to amend the Regulation respecting financial assistance for education expenses, appearing below, may be made by the Government on the expiry of 45 days following this publication.

The draft Regulation modifies the situations in which the parents’ contribution is not taken into account for the purposes of computing a student’s financial assistance, the situations in which the student is deemed to be enrolled for a period not exceeding four months for the purpose of computing allowable expenses, as well as the situations in which the student is deemed to be pursuing full-time studies while pursuing studies on a part-time basis.

In addition, the draft Regulation proposes changes to the definition of major functional deficiency and adjustments to certain measures that are consequential to these changes.

The draft Regulation has no impact on the public or on enterprises, including small and medium-sized businesses.

Further information on the draft Regulation may be obtained by contacting Simon Boucher-Doddridge, Director, Direction des programmes d’accessibilité financière aux études et des recours, Ministère de l’Enseignement supérieur, 1035, rue De La Chevrotière, 20^e étage, Québec (Québec) G1R 5A5; telephone: 418-643-6276, extension 6085; email: simon.boucher-doddridge@mes.gouv.qc.ca.

Any person wishing to comment on the matter is requested to submit written comments within the 45-day period to Isabelle Taschereau, Secretary General, Ministère de l’Enseignement supérieur, 675, boulevard René-Lévesque Est, Aile René-Lévesque, bloc 4, 3^e étage, Québec (Québec) G1R 6C8; email: isabelle.taschereau@mes.gouv.qc.ca.

PASCALE DÉRY
Minister of Higher Education

Regulation to amend the Regulation respecting financial assistance for education expenses

Act respecting financial assistance for education expenses
(chapter A-13.3, s. 57, 1st par., subpars. 1, 2, 2.1, 6, 7 and 19, and 2nd par.)

1. The Regulation respecting financial assistance for education expenses (chapter A-13.3, r. 1) is amended in section 22 by replacing “has a major functional deficiency within the meaning of section 47” in the third paragraph by “is deemed to be pursuing full-time studies because of a major functional deficiency within the meaning of section 47 or another deficiency, attested to in a medical certificate.”.

2. Section 27 is amended by replacing paragraph 6 by the following:

“(6) cannot pursue full-time studies for more than one month due to episodic disorders resulting from a deficiency other than a major functional deficiency within the meaning of section 47, attested to in a medical certificate.”.

3. Section 38 is amended by replacing “and for each child aged 12 to 17 having a major functional deficiency within the meaning of section 47” at the end of the first paragraph by “and for each child aged 12 to 17 in respect of whom is paid a supplement for handicapped children within the meaning of the Taxation Act (chapter I-3)”.