Regulations and other Acts

Gouvernement du Québec

O.C. 21-2014, 15 January 2014

An Act respecting the civil aspects of international and interprovincial child abduction
(chapter A-23.01)

Application of the Act respecting the civil aspects of international and interprovincial child abduction to Albania, Andorra, San Marino, Singapore and Ukraine

WHEREAS section 41 of the Act respecting the civil aspects of international and interprovincial child abduction (chapter A23.01) provides that the Government, upon the recommendation of the Minister of Justice and, as the case may be, of the Minister responsible for Canadian Intergovernmental Affairs or the Minister of International Relations, must designate by order published in the Gazette officielle du Québec any State, province or territory in which it considers that Québec residents may benefit from measures similar to those set out in the Act;

WHEREAS section 41 also provides that the order must indicate the date of the taking of effect of the Act for each State, province or territory designated in it;

WHEREAS Albania, Andorra, San Marino, Singapore and Ukraine have acceded to the Convention on the civil aspects of international child abduction;

WHEREAS, pursuant to Article 38 of the Convention, the accession of a State has effect only as regards the relations between the acceding State and such Contracting States as have declared their acceptance of the accession;

WHEREAS the Government considers that Québec residents will benefit in the abovementioned States from measures similar to those set out in the Act respecting the civil aspects of international and interprovincial child abduction, from the coming into force of the Convention between those States and Québec;

IT IS ORDERED, therefore, on the recommendation of the Minister of Justice and the Minister of International Relations, La Francophonie and External Trade:

THAT the Gouvernement du Québec accept the accessions of Albania, Andorra, San Marino, Singapore and Ukraine to the Convention on the civil aspects of international child abduction;

THAT those States be designated as States to which the Act respecting the civil aspects of international and interprovincial child abduction applies;

THAT, in respect of those States, the Act take effect on a later date to be set by the Government.

JEAN ST-GELAIS,
Clerk of the Conseil exécutif

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Gouvernement du Québec

O.C. 30-2014, 15 January 2014

Building Act
(chapter B-1.1)

Construction Code
— Amendment

Regulation to amend the Construction Code

WHEREAS, under section 173 of the Building Act (chapter B-1.1), the Régie du bâtiment du Québec must, by regulation, adopt a building code containing building standards, in particular for buildings, facilities intended for use by the public, installations independent of a building or their vicinity;

WHEREAS, under section 176 of the Act, the code may require manufacturers to provide instructions regarding the assembly, erection, maintenance and inspection of materials, facilities and installations;

WHEREAS, under section 176.1 of the Act, the code may, with respect to the matters to which it applies, contain provisions concerning the subjects listed in section 185 of the Act;

WHEREAS, under section 178 of the Act, the code may require observance of a technical standard drawn up by another government or by an agency empowered to draw up such standards, and provide that any reference it makes to other standards include subsequent amendments;

WHEREAS, under subparagraph 0.2 of the first paragraph of section 185 of the Act, the Board may, by regulation, for the purposes of section 10, designate any facility as a facility intended for use by the public and establish criteria for determining whether or not a facility is intended for use by the public;

WHEREAS, under section 192 of the Act, the contents of the Construction Code may, in particular, vary according to the classes of persons, contractors, owner-builders, owners of buildings, facilities intended for use by the public, installations independent of a building and classes of buildings, facilities or installations to which the code apply;

WHEREAS the Board made the Regulation to amend the Construction Code on 27 June 2012;

WHEREAS, in accordance with sections 10 and 11 of the Regulations Act (chapter R-18.1), a draft Regulation to amend the Construction Code was published in Part 2 of the *Gazette officielle du Québec* of 27 February 2013 with a notice that it could be approved by the Government, with or without amendment, on the expiry of 45 days following that publication;

WHEREAS, under section 189 of the Building Act, every regulation of the Board is subject to approval by the Government which may approve it with or without amendment;

WHEREAS it is expedient to approve the Regulation with amendments;

IT IS ORDERED, therefore, on the recommendation of the Minister of Labour:

THAT the Regulation to amend the Construction Code, attached to this Order in Council, be approved.

JEAN ST-GELAIS,
Clerk of the Conseil exécutif

Regulation to amend the Construction Code

Building Act
(chapter B-1.1, ss. 173, 176, 176.1, 178, 185, pars. 0.2, 3, 6.2, 6.3, 7, 20, 21, 24, 36 and 38, and s. 192)

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

(1) by replacing "the "National Plumbing Code of Canada 2005" (NRCC 47668) and the "Code national de la plomberie – Canada 2005" (CNRC 47668F)" in the first paragraph by "the "National Plumbing Code of Canada 2010" (NRCC 53302) and the "Code national de la plomberie – Canada 2010" (CNRC 53302F)";

(2) by replacing "1 July 2008" in the second paragraph by "(29 April 2014)".

2. Section 3.02 is replaced by the following:

"**3.02.** Subject to the amendments made by this Chapter, the Code applies to all construction work on a plumbing system in a building to which the Building Act (R.S.Q., c. B-1.1) applies or in a facility intended for use by the public designated in the second paragraph of this section.

For the purposes of section 10 of the Act, tents or exterior inflatable structures to which Chapter I of the Construction Code applies are facilities intended for use by the public and used

(*a*) as residential occupancies or care or detention occupancies whose floor area is 100 m^2 or more; or

(*b*) as assembly occupancies or mercantile occupancies whose floor area exceeds 150 m^2 and whose load capacity exceeds 60 persons.

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

3. Section 3.04 is amended

(1) by inserting the following after subparagraph (b) in Sentence (3):

"(b.1) by replacing the definition of "*Storey*" by the following:

"S*torey* (as applying to plumbing) means the interval between 2 successive floor levels, including mezzanine floors, or between a floor level and roof that contain at least one *fixture*.";";

(2) by inserting the following after Sentence (3):

"(3.1) by adding the following objectives at the end of Sentence (1) of Article 2.2.1.1:

"**OE Environment**
An objective of the NPC is to limit the probability that, as a result of the design or installation of the *plumbing system*, the environment will be exposed to an unacceptable risk.

OE1 Resources
An objective of the NPC is to limit the probability that, as a result of the design or installation of the *plumbing system*, resources will be used in a manner that will have an unacceptable impact on the environment. The risks of unacceptable impact on the environment due to use of resources addressed in this Code are those caused by

OE1.2 – Excessive use of water";";

(3) by inserting the following after Sentence (5):

"(5.1) in Article 3.2.1.1., by adding the following functional statement at the end of Sentence (1):

"**F130** To limit the excessive use of water.";".

4. Section 3.05 is amended

(1) by replacing Sentence (1) by the following:

"(1) in Table 1.3.1.2. of Article 1.3.1.2.,

(a) by inserting the following references:

"

ANSI/CSA	ANSI Z21.10.1-2004/CSA 4.1-2009	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 Z21.10.3-2011/CSA 4.3-2011	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)

"

before the reference:

"

ANSI/CSA	ANSI Z21.22-1999/CSA 4.4-M99 (Addenda 1 and 2)	Relief Valves for Hot Water Supply Systems	2.2.10.11.(1)

";

(b) by replacing the reference:

"

ASME/CSA	ASME A112.18.1-05/CAN/CSA-B125.1-05	Plumbing Supply Fittings	2.2.10.6.(1) 2.2.10.7.(1)

"

by the following references:

"

ASME	A112.1.2-2004	Air Gaps in Plumbing Systems	2.2.10.22.(1)
ASME	A112.3.1-2007	Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above and Below-Ground	2.2.6.10.(3)
ASME	A112.6.3-2001	Floor and Trench Drains	2.2.10.19.(2)
ASME	A112.6.4-2003	Roof, Deck, and Balcony Drains	2.2.10.20.(2)
ASME/CSA	ASME A112.18.1-05/CAN/CSA-B125.1-05	Plumbing Supply Fittings	2.2.10.6.(1) 2.2.10.7.(1) 2.2.10.7.(2)

";

(c) by inserting the following reference:

"

ASME	B16.11-2009	Forged Fittings, Socket-Welding and Threaded	2.2.6.10.(2)

"

after the reference:

"

ASME	B16.4-2006	Gray Iron Threaded Fittings, Classes 125 and 250	2.2.6.5.(1)

";

(d) by inserting the following reference:

"

ASSE	1072-2007	Performance Requirements for Barrier Type Floor Drain Trap Seal Protection Devices	2.2.10.24.(1)

"

after the reference:

"

ASSE	1051-2009	Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems	2.2.10.16.(1)

";

(e) by inserting the following reference:

"

ASTM	A 312/A 312M-09	Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	2.2.6.10.(1)

"

after the reference:

"

ASTM	A 53/A 53M-07	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	2.2.6.7.(4)

";

(f) by inserting the following reference:

"

ASTM	A 778-01(2009)e1	Standard Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products	2.2.6.10.(1)

"

after the reference:

"

ASTM	A 518/A 518M-99	Corrosion-Resistant High-Silicon Iron Castings	2.2.8.1.(1)

";

(g) by inserting the following references:

"

BNQ	NQ 2622-126-2009	Reinforced Concrete and Unreinforced Concrete Pipes and Monolithic Lateral Connections for Evacuation of Domestic Wastewater and Storm Water	2.2.5.3.(1)
BNQ	NQ 3623-085-2002	Ductile-Iron Pipe for Pressure Piping Systems – Characteristics and Test Methods	2.2.6.4.(1)
BNQ	NQ 3624-027-2000 (Modificatif N° 1/03)	Tuyaux et raccords en polyéthylène (PE) – Tuyaux pour le transport des liquides sous pression – Caractéristiques et méthodes d'essais	2.2.5.5.(1)

BNQ	NQ 3624-120-2006	Polyethylene (PE) Pipe and Fittings – Smooth Inside Wall Open or Closed Profile Pipes for Storm Sewer and Soil Drainage – Characteristics and Test Methods	2.2.5.10.(1)
BNQ	NQ 3624-130-1997 (Amendment No. 1/90) (Amendment No. 2/01)	Unplasticized Poly(Vinyl Chloride) (PVC) Rigid Pipe and Fittings, 150 mm in Diameter or Smaller, for Underground Sewage Applications	2.2.5.10.(1)
BNQ	NQ 3624-135-2000	Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Pipes of 200 mm to 600 mm in Diameter for Underground Sewage and Soil Drainage – Characteristics and Test Methods	2.2.5.10.(1)
BNQ	NQ 3624-250-2000	Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings – Rigid Pipe for Pressurized Water Supply and Distribution – Characteristics and Test Methods	2.2.5.8.(1)

BNQ	NQ 3632-670-2005	Backwater Valves and Check Valves Made of Cast Iron or Thermoplastic Used in Drainage Systems – Characteristics and Test Methods	2.2.10.18.(1)

"

after the reference:

"

AWWA	ANSI/AWWA C151/A21.51-2002	Ductile-Iron Pipe, Centrifugally Cast, for Water	2.2.6.4.(1)

";

(h) by replacing the reference:

"

CCBFC	NRCC 53301	National Building Code – Canada 2010	1.1.1.1. (3) **(3)** 1.4.1.2.(1) **(3)** 2.1.3.1.(1) 2.2.5.12.(2) 2.2.5.12.(3) 2.2.6.7.(3) 2.4.3.1.(1) 2.4.10.4.(1)

"

by the following reference:

"

CCBFC	NRCC 53301	National Building Code – Canada 2010	1.1.1.1.(2) **(3)** 1.1.1.1.(3) **(3)** 1.4.1.2.(1) **(3)** 2.1.3.1.(1) 2.2.5.12.(2) 2.2.5.12.(3) 2.2.6.7.(3) 2.4.3.1.(1) 2.4.10.4.(1)

";

(i) by inserting the following reference:

"

CSA	CAN/CSA-B45.8-02	Terrazzo Plumbing Fixtures	2.2.2.2.(10)

"

after the reference:

"

CSA	CAN/CSA-B45.5-02	Plastic Plumbing Fixtures	2.2.2.2.(6)

";

(j) by inserting the following reference:

"

CSA	CAN/CSA-B45.11-04	Glass Lavatories	2.2.2.2.(9)

"

after the reference:

"

CSA	CAN/CSA-B45.10-01	Hydromassage Bathtubs	2.2.2.2.(7)

";

(k) by inserting the following reference:

"

CSA	B64.10.1-07	Selection and Installation of Backflow Preventers/Maintenance and Field Testing of Backflow Preventers	2.6.2.1.(4)

"

after the reference:

"

CSA	B64.10-07	Selection and Installation of Backflow Preventers	2.6.2.1.(3)

";

(l) by replacing the reference:

"

CSA	B70-06	Cast Iron Soil Pipe, Fittings, and Means	2.2.6.1.(1) 2.4.6.4.(2)

"

by the following references:

"

CSA	B70-06	Cast Iron Soil Pipe, Fittings, and Means	2.2.6.1.(1) 2.2.10.18.(1)
CSA	B79-05	Floor Drains, Area Drains, Shower Drains, and Cleanouts in Residential Construction	2.2.10.19.(1)

";

(m) by inserting the following reference:

"

CSA	CSA-B140.12-03 (R2008)	Oil-Burning Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools	2.2.10.13.(1)

"

after the reference:

"

CSA	CAN/CSA-B137.11-05	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	2.2.5.15.(1)

";

(n) by inserting the following references:

"

CSA	CSA B481 Series-07	Grease Interceptors	2.2.3.2.(3) 2.4.4.3.(1)
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) 2.2.10.17.(5)
CSA	CAN/CSA-C22.2 110-94 (R2009)	Construction and Test of Electric Storage-Tank Water Heaters	2.2.10.13.(1)

"

after the reference:

"

CSA	CAN/CSA-B602-05	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe	2.2.10.4.(2)

";

(o) by replacing the references:

"

CSA	CAN/CSA-F379.1-88	Solar Domestic Hot Water Systems (Liquid to Liquid Heat Transfer)	2.2.10.13.(1)
CSA	CAN/CSA-F383-87	Installation Code for Solar Domestic Hot Water Systems	2.6.1.8.(1)

"

by the following references:

"

CSA	CAN/CSA-F379.1-09	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)

";

(p) by inserting the following references:

"

ISO	ISO 11143-2008	Amalgam Separators	2.2.3.2.(4)
MSS	SP-58-2009	Pipe Hangers and Supports – Materials, Design, Manufacture, Selection, Application and Installation	2.2.10.23.(1)

"

after the reference:

"

CSA	CAN/CSA-G401-07	Corrugated Steel Pipe Products	2.2.6.8.(1)

";

(q) by inserting the following references:

"

NSF	NSF/ANSI 53-2009	Drinking Water Treatment Units – Health Effects	2.2.10.17.(4)
NSF	NSF/ANSI 55-2009	Ultraviolet Microbiological Water Treatment Systems	2.2.10.17.(1)

NSF	NSF/ANSI 62-2009	Drinking Water Distillation Systems	2.2.10.17.(3)

"

after the reference:

"

NFPA	13D-2007	Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	2.6.3.1.(3)

";";

(2) in Sentence (2)

(1) by replacing subparagraph (a) by the following:

"(a) by replacing "8614 Catalpa Avenue, suite 1007, Chicago, Illinois 60656-1116" in "ASPE…American Society of Plumbing Engineers (8614 Catalpa Avenue, Suite 1007, Chicago, Illinois 60656-1116 U.S.A.; www.aspe.org)" by "2980 S. River Rd, Des Plaines, IL 60018"";

(2) by replacing "NRC… National Research Council" in subparagraph (d), by "NRC-NRCC… National Research Council";

(3) by striking out Sentence (3);

(4) by inserting the following after Sentence (4):

"(4.1) in Article 2.2.2.2., by adding the following after Sentence (8):

"**(9)** Every glass *lavatory* must conform to CAN/CSA-B45.11, Glass Lavatories;

(10) Every terrazzo *plumbing fixture* must conform to CAN/CSA-B45.8, Terrazzo Plumbing Fixtures.";";

(5) by replacing Sentence (5) by the following:

"(5) in Article 2.2.3.1.,

(1) by replacing Sentence (1) by the following:

"**(1)** Subject to Sentence 2.4.5.1.(5), every *trap* must

(a) have a *trap seal depth* of not less than 50 mm,

(b) be so designed that failure of the seal walls will cause exterior leakage,

(c) have a water seal that does not depend on the action of moving parts, and

(d) subject to Sentence 2.4.3.7.(2), have a constant semi-circular curvature.

(See Appendix A.)

(2) by striking out Sentence (2);

(3) by adding the following after Sentence (5):

"**(6)** A deep *trap seal* must be a minimum of 100 mm.";";

(6) by replacing Sentence (6) by the following:

"(6) by adding the following after Sentence (2) in Article 2.2.3.2.:

"**(3)** Every grease *interceptor* must conform to CSA B481 Series, Grease Interceptors.

(4) Every amalgam *separator* must conform to ISO 11143, Amalgam Separators.";";

(7) by replacing Sentence (6.1) by the following:

"(6.1) in Article 2.2.4.2., by replacing Sentence (1) by the following:

"**(1)** Subject to Article 2.4.3.7., a single or double sanitary T fitting must not be used in a *nominally horizontal pipe*, except that a single sanitary T fitting may be used to connect a *vent pipe*.";";

(8) by inserting the following after Sentence (6.1):

"(6. 2) by adding "The prohibition also applies to any combination of 45° elbows displaying the same characteristics." at the end of Sentence (1) of Article 2.2.4.3.;";

(9) by replacing Sentence (8) by the following:

"(8) in Article 2.2.5.5., by replacing Sentence (1) by the following:

"(1) Polyethylene water pipe, tubing, and fittings must conform to Series 160 of

(a) CAN/CSA-B137.1, Polyethylene (PE) Pipe, Tubing, and Fittings for Cold-Water Pressure Services, or

(b) NQ 3624-027, Tuyaux et raccords en polyéthylène (PE) – Tuyaux pour le transport des liquides sous pression – Caractéristiques et méthodes d'essais.";";

(10) by replacing Sentence (10) by the following:

"(10) in Article 2.2.5.10.,

(a) by striking out "or" at the end of Clause (f) of Sentence (1);

(b) by adding the following after Clause (g) of Sentence (1):

"(h) NQ 3624-120, Polyethylene (PE) Pipe and Fittings - Smooth Inside Wall Open or Closed Profile Pipes for Storm Sewer and Soil Drainage - Characteristics and Test Methods,

(i) NQ 3624-130, Unplasticized Poly(Vinyl Chloride) (PVC) Rigid Pipe and Fittings, 150 mm in Diameter or Smaller, for Underground Sewage Applications, or

(j) NQ 3624-135, Unplasticized Poly(Vinyl Chloride) [PVC-U] Pipe and Fittings - Pipes of 200 mm to 600 mm in Diameter for Underground Sewage and Soil Drainage - Characteristics and Test - Methods.";";

(11) by striking out Sentence (11);

(12) by inserting the following after Sentence (12):

"(12.1) in Article 2.2.6.7.,

(a) by replacing, "Sentences (2) and (3)" in Sentence (1) by "Sentence (2)";

(b) by striking out Sentence (3);";

(13) by replacing Article 2.2.6.10. in Sentence (13) by the following:

"**2.2.6.10. Stainless Steel Pipes**

(1) In *water distribution systems*, stainless steel pipes must be of the 304, 304L, 316 or 316L type and conform to

(a) ASTM-A312/A312M, Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes, or

(b) ASTM-A778, Standard Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products.

(2) In *water distribution systems*, fittings must be of the 304, 304L, 316 or 316L type and conform to ASME B16.11, Forged Fittings, Socket-Welding and Threaded.

(3) In a *drainage system*, stainless steel pipes and fittings must be of the 316L type, or of the 304 type if installed above ground, and conform to ASME A112.3.1, Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above and Below-Ground.";

(14) by striking out Sentence (14);

(15) by replacing subparagraph (b) of Sentence (16) by the following:

"(b) by replacing Sentence (1) by the following:

"(1) Service water heaters must conform to

(a) ANSI Z21.10.1/CSA 4.1, Gas Water Heaters - Volume I, Storage Water Heaters With Input Ratings of 75,000 Btu Per Hour or Less,

(b) ANSI Z21.10.3/CSA 4.3, Gas Water Heaters - Volume III, Storage Water Heaters With Input Ratings Above 75,000 Btu Per Hour, Circulating and Instantaneous,

(c) CAN/CSA-C22.2 No. 110, Construction and Test of Electric Storage-Tank Water Heaters,

(d) CSA B140.12, Oil-Burning Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools, or

(e) CAN/CSA-F379.1, Solar Domestic Hot Water Systems (Liquid to Liquid Heat Transfer).";";

(16) in Sentence (17)

(1) by replacing "Ultraviolet microbiological water treatment systems" in Clause (a) of Sentence (1) of Article 2.2.10.17. of the French text by "Ultraviolet Microbiological Water Treatment Systems";

(2) by replacing "Drinking water distillation systems" in Clause (a) of Sentence 3 of that Article of the French text by "Drinking Water Distillation Systems";

(3) by replacing "Drinking water treatment units – Health effects" in Clause (a) of Sentence (4) of that Article of the French text by "Drinking Water Treatment Units – Health Effects";

(4) by replacing Clauses (b), (c), (d) and (e) of Article 2.2.10.18. by the following:

"(b) CAN/CSA-B181.1, Acrylonitrile-Butadiene-Styrene (ABS) Drain, Waste, and Vent Pipe and Pipe Fittings,

(c) CAN/CSA-B181.2, Polyvinylchloride (PVC) and Chlorinated Polyvinylchloride (CPVC) Drain, Waste, and Vent Pipe and Pipe Fittings,

(d) CAN/CSA-B182.1, Plastic Drain and Sewer Pipe and Pipe Fittings, or

(e) NQ 3632-670, Backwater Valves and Check Valves Made of Cast Iron or Thermoplastic Used in Drainage Systems - Characteristics and Test Methods.";

(5) by adding "(For Plumbing Fixtures and Water-Connected Receptors)" in Sentence (1) of Article 2.2.10.22. after "Air Gaps in Plumbing Systems";

(6) by replacing "Pipe Hangers and Supports – Materials, Design, and Manufacture" in Sentence (1) of Article 2.2.10.23. by "Pipe Hangers and Supports – Materials, Design, Manufacture, Selection, Application, and Installation";

(7) by adding the following at the end of Sentence (17) after Article 2.2.10.23.:

"**2.2.10.24 Floor Drain Trap Seals**

(1) Floor drain trap seals used to maintain *trap seal depth* must be certified in accordance with ASSE 1072, Performance Requirements for Barrier Type Floor Drain Trap Seal Protection Devices.";

(17) by striking out Sentence (18);

(18) by inserting the following after Sentence (18):

"(18.1) by replacing "à l'intérieur d'un *bâtiment*" in Sentence (2) of Article 2.3.3.12. of the French text by "sous un *bâtiment*";";

(19) by replacing Sentence (19) by the following:

"(19) by replacing Sentence (3) of Article 2.3.4.1. by the following:

(3) Every wall-mounted *fixture* and every valve must be supported so that no strain is transmitted to the piping.";

(20) by inserting the following after Sentence (19):

"(19.1) by replacing "a water pressure test or an air pressure test" in Sentence (1) of Article 2.3.6.1. by "a water pressure test, smoke pressure test or air pressure test";

(19.2) by inserting ", smoke test" after "air pressure test" in Sentence (1) of Articles 2.3.6.2. and 2.3.6.3.;

(19.3) by adding the following after Article 2.3.6.7.:

"**2.3.6.8. Smoke Tests**

(1) Where a smoke test is made

(a) smoke from smoke-generating machines must be forced into the system, and

(b) a pressure equivalent to a 25 mm water column must be maintained for 15 min without the addition of more smoke.";";

(21) in Sentence (20)

(1) by replacing subparagraph (a) by the following:

"(a) by striking out "and" at the end of Clause (d) and "or" at the end of Subclause (v) of Clause (e) of Sentence (1);";

(2) by replacing Subclause (viii) of subparagraph (b) by the following:

"(viii) a drain from an ice machine;

(ix) a drain from a heating, air-conditioning or ventilation system.";

(3) by replacing subparagraph (d) by the following:

"(d) by replacing Sentences (4) and (5) by the following:

"**(4)** Every connection at the bottom of a *soil-or-waste stack* must be more than

(a) 1.5 m in a *building drain* or a *branch* receiving *sewage* from the *soil-or-waste stack*, and

(b) 600 mm from the top of the *building drain* or *branch* to which the *soil-or-waste stack* is connected.

(See Appendix A.)

(5) Every *trap arm* of a bathtub, shower, bidet, floor drain or service sink installed on the floor must have a *nominally horizontal* part not less than 450 mm in *developed length*. The *developed length* of the *trap arm* of a floor drain must be increased to 1.5 m if it is connected not more than 3 m downstream from the bottom of a *soil-or-waste stack* or a *leader*.

(See Appendix A.)

(6) Where a change of direction greater than 45° occurs in a *soil-or-waste pipe* that serves more than one clothes washer or domestic kitchen sink, and in which pressure zones are created by detergent suds, no *soil-or-waste pipe* must serve for connecting other *soil-or-waste pipe* over a length not less than

(a) 40 times the *size* of the *soil-or-waste pipe* or 2.44 m maximum vertical, whichever is less, before changing direction, and

(b) 10 times the *size* of the *nominally horizontal soil-or-waste pipe* after changing direction.

(See Appendix A.)

(7) Where a *vent pipe* is connected into the suds pressure zone referred to in Sentence (6), no other *vent pipe* must be connected to that *vent pipe* within the suds pressure zone.

(See Appendix A.)";

(22) by inserting the following after Sentence (20):

"(20.1) in Article 2.4.2.3.,

(a) by striking out "and" at the end of Clause (a) of Sentence (1);

(b) by replacing "*air break*." in Clause (b) of Sentence (1) by "*air break*, and";

(c) by inserting the following after Clause (b) of Sentence (1):

"(c) is located in the same room or *suite*.";

(d) by striking out "and" at the end of Clause (a) of Sentence (2);

(e) by replacing "(see A-2.4.2.1.(1)(a)(ii) and (e)(vi))." in Clause (b) of Sentence (2) by "(see A-2.4.2.1.(1)(a)(ii) and (e)(vi)), and";

(f) by inserting the following after Clause (b) of Sentence (2):

"(c) is located in the same room or *suite*.";

(g) by replacing "2.4.2.1.(1)(e)(iii) to (vi)" in Sentence (3) by "2.4.2.1.(1)(e)(iii) to (ix)";

(h) by striking out "and" at the end of Clause (a) of Sentence (3);

(i) by replacing "are connected to it." in Clause (b) of Sentence (3) by "are connected to it, and";

(j) by inserting the following after Clause (b) of Sentence (3):

"(c) is located in the same room or *suite*.";

(20.2) in Article 2.4.3.5., by adding the following after Sentence (1):

"**(2)** The number and type of fixtures that may be part of macerating toilet systems must comply with the manufacturer's recommendations of those systems.";

(20.3) in Article 2.4.3.6., by replacing "that connects the sump well to the *drainage system*" in Clause (b) of Sentence (1) by "that connects the pit to the sump well";";

(23) in Sentence (21)

(1) by adding "(See Appendix A.)" after "2.4.3.7. Retention Pit";

(2) by replacing the first two sentences of Sentence (1) of Article 2.4.3.7. by the following: "A retention pit must be made in one piece, be leakproof and smooth inside.";

(3) by striking out the last sentence of Sentence (2) of Article 2.4.3.7.;

(4) by adding the following sentence at the end of Sentence (3) of Article 2.4.3.7.: "The retention pit must have a running *trap* where it is connected to an oil *interceptor*.";

(5) by replacing "*sanitary drainage system*" in Sentence (7) of Article 2.4.3.7. by "*drainage system*";

(6) by replacing Sentence (9) of Article 2.4.3.7. by the following:

"**(9)** A retention pit must have a *fixture drain* 3 inches in *size* for a draining area not more than 370 m^2. For a *fixture drain* more than 3 inches in *size*, the drained area may be increased by 280 m^2 per additional inch.";

(7) by adding the following after Sentence (11) of Article 2.4.3.7.:

"**(12)** Retention pits to which a *subsoil drainage* pipe is connected must have

(a) an air-tight cover, and

(b) a *vent pipe* at least 1½ inches in *size* if the content of the retention pit is pumped.";

(24) by inserting the following after Sentence (21):

"(21.1) in Article 2.4.4.1., by adding the following after Sentence (1):

"**(2)** Every beauty parlour lavatory must be equipped with a hair *interceptor*.

(3) Every *fixture* that can receive dental amalgam waste must have an amalgam *interceptor*.";

(21.2) in Article 2.4.4.3., by inserting "and its choice must be made according to CAN/CSA-B481 Series, "Grease Interceptors" before "(See Appendix A.)" in Sentence (1);

(21.3) in Article 2.4.4.4., by replacing Sentence (1) by the following:

"**(1)** Where a *fixture* or equipment discharges corrosive or acid waste, it must discharge into a neutralizing or dilution tank that is connected to the *sanitary drainage system* through a *trap*. (See Appendix A.)";";

(25) by replacing Sentence (24) by the following:

"(24) by replacing Article 2.4.5.5. by the following:

"**2.4.5.5. Trap seals**

(1) Provision must be made for maintaining the *trap* seal of a floor drain by

(a) the use of a *trap* seal primer,

(b) using the drain as a receptacle for an *indirectly connected* drinking fountain,

(c) using a floor drain trap seal, or

(d) other equally effective means.

(See Appendix A.)

(2) Water from the *trap* seal of a floor drain in a *dwelling unit* need not be maintained by a *trap* seal primer.

(See Appendix A.)".";

(26) by inserting the following after Sentence (24):

"(24.1) by adding the following after Sentence (7) of Article 2.4.6.3.:

"**(8)** Every sump or receiving tank to which a *subsoil drainage pipe* is connected must have

(a) an air tight cover, and

(b) a *vent pipe* at least 1½ inches in *size* if the sump or tank is pumped.".";

(27) by replacing Sentence (25) by the following:

"(25) in Article 2.4.6.4.,

(1) by replacing Sentences (2) and (3) by the following:

"**(2)** A *backwater valve* may be installed in a *building drain*

(a) provided that it is a "normally open" design, and

(b) does not serve more than one *dwelling unit*.

(3) Subject to Sentences (4) and (5), where a *fixture*, a retention pit, a sump or running *trap* is located below the level of the adjoining street, a gate valve or a *backwater valve* must be installed on every *drain* connected to a *building drain* or a *branch*.";

(2) by striking out Sentence (6);";

(28) by inserting the following after Sentence (26):

"(26.1) in Article 2.4.7.1., by adding the following after Sentence (9):

"**(10)** In a separate system, a *storm building drain* must be located to the left of the *sanitary building drain*, towards the street, from the *building*.";

(26.2) in Article 2.4.10.4., by replacing Sentence (4) by the following:

"**(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) must be provided.";";

(29) in Sentence (27)

(1) by replacing subparagraph (c) by the following:

"(c) by replacing Clause (j) of Sentence (1) by the following:

"(j) the portion of the *soil-or-waste stack* having a *wet vent* that extends through more than one *storey* is the same *size* from its bottom to the uppermost connection of a *fixture*;";";

(2) by inserting the following after subparagraph (c):

"(c.1) by replacing "limited." in Clause (k) by "limited;";

(c.2) by adding the following after Clause (k):

"(l) it is extended as a *stack vent* or as a *continuous vent*, and

(m) *trap arms* are connected separately and directly to the *wet vent*.";";

(3) by striking out subparagraph (d);

(30) by inserting the following after Sentence (27):

"(27.1) in Article 2.5.4.4., by replacing "d'au moins 1,5 m" in Sentence (1) of the French text by "de plus de 1,5 m";

(27.2) in Article 2.5.6.2., by adding the following after Sentence (3):

"(4) The plumbing *venting system* may not be used in other systems.";

(27.3) in Article 2.5.6.5., by replacing "it penetrates the roof," in Clause (a) of Sentence (6) by "it penetrates the roof, except pipes 4 inches and bigger that may be of the same *size*,";";

(31) by replacing Table 2.5.8.1.A in subparagraph (b) of Sentence (28) by the following:

"

Table 2.5.8.1.A.
Maximum Permitted Hydraulic Loads Drained to a Wet Vent Serving Fixtures on the Same Storey
Forming Part of Sentence 2.5.8.1. (1)

Size of *Wet Vent* for a *Storey*, *inches*	Maximum Hydraulic Load, *fixture units*
1 ¼	1
1 ½	2
2	5
3	18
4	120

";

(32) by inserting the following after Sentence (28):

"(28.1) in Article 2.5.8.4., by replacing Sentence (5) by the following:

"**(5)** At least one *soil-or-waste stack* or vertical *soil-or-waste pipe* must extend into a *stack vent* or into a *vent pipe* that is terminated in open air. That *soil-or-waste stack* or vertical *soil-or-waste pipe* must be as far as possible from the *building sewer* and have a minimum *size* of 3 inches up to the outlet on the roof.";

(28.2) in Article 2.5.9.2., by replacing "shall only be used" in Sentence (1) by "may only be installed";";

(33) by replacing Sentence (29) by the following:

"(29) in Article 2.6.1.1., by adding the following after Sentence (2):

"**(3)** In a hot *water distribution system* with a recirculation loop, the temperature of the water in the loop must not be less than 55°C when the water is circulating. (See A-2.6.1.12.(1)).

(4) The recirculation loop referred to in Sentence (3) may operate intermittently.

(5) The recirculation loop referred to in Sentence (3) may be replaced by a self-regulating heat-tracing system.";";

(34) by inserting the following after Sentence (29):

"(29.1) in Article 2.6.1.6.,

(1) by replacing "Every" in Sentence (1) by "Subject to Sentences (3) and (4), every";

(2) by adding the following after Sentence (2):

"**(3)** The maximum water consumption of water closets must be 6.0 L/flush.

(4) The maximum water consumption of urinals must be 1.9 L/flush.

(5) Automatic flush tank urinals are prohibited.";";

(35) by replacing Sentence (30) by the following:

"(30) in Article 2.6.1.7.,

(1) in Sentence (1)

(1) by striking out "and" at the end of Clause (a);

(2) by replacing "distribution system." in Clause (b) by "distribution system, and";

(3) by adding the following after Clause (b):

"(c) that has a drain complying with the requirements of Sentence (5).";

(2) in Sentence (10)

(a) by replacing "The" in the part preceding Clause (a) by "Subject to Clause (d), the";

(b) by replacing "25 mm" in Clause (a) by "75 mm";

(c) by replacing ", and" in Clause (b), by ", without being less than 1 ¼ inches;";

(d) by inserting the following after Clause (c):

"(d) not be required to have a *fixture drain* where the relief valve discharge pipe conforms to Sentence (5).";";

(36) by inserting the following after Sentence 31:

"(31.1) by striking out Article 2.6.1.10.;

(31.2) in Article 2.6.1.11., by replacing "by Article 2.6.2.6." in Sentence (1) by "by Sentence 2.6.2.1.(3)";";

(37) by replacing "storage-type service water heaters" in Sentence (32) by "*water heaters*";

(38) by replacing Sentence (4) in Sentence (33) by the following:

"**(4)** In the case of *backflow preventers* that, according to CSA B64.10, Selection and Installation of Backflow Prevention Devices, require testing after installation, the person testing the *backflow preventers* must hold a certificate issued in accordance with section 5 of CSA B64.10.1, Selection and Installation of Backflow Preventers/Maintenance and Field Testing of Backflow Preventers, by an organization or association certified by AWWA.";

(39) in Sentence (34)

(1) by replacing subparagraph (a) by the following:

"(a) by replacing Sentence (2) by the following:

"**(2)** Subject to Sentence (4), *potable water system* connections to fire sprinkler and standpipe systems must be protected against *backflow* caused by *back-siphonage* or *back pressure* in conformance with the following Clauses:

(a) *residential partial flow-through fire sprinkler/standpipe systems* in which the pipes and fittings are constructed of *potable water system* materials must be protected by a dual *check valve backflow preventer* conforming to one of the following standards:

(i) CAN/CSA-B64.6.1, Backflow Preventers, Dual Check Valve Type for Fire Systems (DuCF), or

(ii) CAN/CSA-B64.6, Backflow Preventers, Dual Check Valve Type (DuC),

(b) *Class 1 fire sprinkler/standpipe systems* must be protected by a single *check valve backflow preventer* or by a dual *check valve backflow preventer*, provided that the systems do not use antifreeze or other additives of any kind and that all pipes and fittings are constructed of *potable water system* materials. The *backflow preventer* must conform to one of the following standards:

(i) CAN/CSA-B64.9, Backflow Preventers, Single Check Valve Type for Fire Systems (SCVAF), or

(ii) CAN/CSA-B64.6, Backflow Preventers, Dual Check Valve Type (DuC),

(c) *Class 1 fire sprinkler/standpipe systems* not covered by Clause (b) as well as *Class 2* and *Class 3 fire sprinkler/standpipe systems* must be protected by a double *check valve backflow preventer,* provided that the systems do not use antifreeze or other additives of any kind. The *backflow preventer* must conform to one of the following standards:

(i) CAN/CSA-B64.5.1, Backflow Preventers, Double Check Valve Type for Fire Systems (DCVAF), or

(ii) CAN/CSA-B64.5, Backflow Preventers, Double Check Valve Type (DCVAF),

(d) *Class 1*, *Class 2* and *Class 3 fire sprinkler/standpipe systems* in which antifreeze or other additives are used must be protected by a reduced pressure principle *backflow preventer* installed on the portion of the system that uses the additives and the balance of the system must be protected as required by Clause (b) or (c). The *backflow preventer* must conform to one of the following standards:

(i) CAN/CSA-B64.4.1, Backflow Preventers, Reduced Pressure Principle Type for Fire Systems (RPF), or

(ii) CAN/CSA-B64.4, Backflow Preventers, Reduced Pressure Principle Type (RP),

(e) *Class 4* and *Class 5 fire sprinkler/standpipe systems* must be protected by a reduced pressure principle *backflow preventer* conforming to one of the following standards:

(i) CAN/CSA-B64.4.1, Backflow Preventers, Reduced Pressure Principle Type for Fire Systems (RPF), or

(ii) CAN/CSA-B64.4, Backflow Preventers, Reduced Pressure Principle Type (RP),

(f) Class 6 *fire sprinkler/standpipe systems* must be protected by a double *check valve backflow preventer* conforming to one of the following standards:

(i) CAN/CSA-B64.5.1, Backflow Preventers, Double Check Valve Type for Fire Systems (DCVAF), or

(ii) CAN/CSA-B64.5, Backflow Preventers, Double Check Valve Type (DCVA), or

(g) where a potentially severe health hazard may be caused by *backflow*, *Class 6 fire sprinkler/standpipe systems* must be protected by a reduced pressure principle *backflow preventer* conforming to one of the following standards:

(i) CAN/CSA-B64.4.1, Backflow Preventers, Reduced Pressure Principle Type for Fire Systems (RPF), or

(ii) CAN/CSA-B64.4, Backflow Preventers, Reduced Pressure Principle Type (RP).

(See Appendix A.)";";

(2) by replacing Subclause (i) of Sentence (4) in subparagraph (b) by the following:

"(i) CAN/CSA-B64.4.1, Backflow Preventers, Reduced Pressure Principle Type for Fire Systems (RPF)";";

(40) by inserting the following after Sentence (34):

"(34.1) in Article 2.6.3.2., by replacing "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.";

(34.2) in Table 2.6.3.2.A. of Article 2.6.3.2.,

(a) by replacing

"

Bathtub with ¾ inch spout	¾	7.5	7.5	10	7.5	7.5	10

"

by the following:

"

Bathtub with ¾ inch spout	¾	2.25	2.25	3	4.5	4.5	6

";

(b) by striking out the following:

"

Urinal, with flush tank	¾	(6)	-	(6)	(6)	-	(6)
Urinal, with direct flush valve	½	2	-	2	4	-	4
Water Closet, with flush tank	1	(6)	-	(6)	(6)	-	(6)

";

(c) by replacing "Table 2.6.3.2.D." at the bottom of the Table in note (2) by "Table 2.6.3.2.B., 2.6.3.2.C. or 2.6.3.2.D.";

(d) by striking out the following note at the bottom of the Table:

"(6) For *fixture unit* values for *fixtures* with direct flush valves, see Sentence 2.6.3.2.(4) and Tables 2.6.3.2.B. and 2.6.3.2.C.";

(34.3) by replacing Tables 2.6.3.2.B. and 2.6.3.2.C. by the following:

"**Table 2.6.3.2.B.**
Sizing of Water Distribution Systems for Urinals with Direct Flush Valves
Forming Part of Sentences 2.6.3.2.(4) and 2.6.3.4.(5)

Fixture or Device	Minimum *Size* of Supply Pipe, inches	*Private Use* Hydraulic Load, *fixture units*			*Public Use* Hydraulic Load, *fixture units*		
		Cold	Hot	Total	Cold	Hot	Total
Urinal with 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)

Fixture or Device	Minimum *Size* of Supply Pipe, inches	*Private Use* Hydraulic Load, *fixture units*			*Public Use* Hydraulic Load, *fixture units*		
		Cold	Hot	Total	Cold	Hot	Total
Water Closet with direct flush valve	1	6	-	6	10	-	10

";

(34.4) in Article 2.6.3.4., by replacing "in Table 2.6.3.2.A." in Sentence (2) by "in Tables 2.6.3.2.A., 2.6.3.2.B. or 2.6.3.2.C.";

(34.5) by striking out the note at the bottom of Table 2.6.3.4.;

(34.6) in Article 2.6.3.5., by replacing "pipe and fitting manufacturer." at the end of Sentence (1) by "pipe and fitting manufacturer without ever exceeding 3.0 m/s.";";

(41) by replacing Sentence (35) by the following:

"(35) in Article 2.7.3.2., by replacing "An outlet" in the part of Sentence (1) preceding Clause (a) by "Subject to Sentence (2) of Article 2.7.4.1., an outlet";";

(42) by inserting the following after Sentence (35):

"(35.1) in Article 2.7.4.1., by replacing Sentence (2) by the following:

"**(2)** Non-*potable water systems* must only be used to supply

(a) water closets,

(b) urinals, or

(c) sinks in tourist establishments referred to in Chapter V.1 of the Regulation respecting the quality of drinking water (c. Q-2, r. 40).";";

(43) in Sentence (36)

(1) by replacing subparagraph (a) by the following:

"(a) by adding the following after Article 2.1.3.2.:

"**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) by inserting the following after subparagraph (a):

"(a.0.1) by adding the following after Sentence (8) of Article 2.2.2.2.:

"(9) [F80-OH2.1, OH2.4]
[F80-OS3.1]

(10) [F80-OH2.1, OH2.4]
[F80-OS3.1]";";

(3) by replacing subparagraph (a.1) by the following:

"(a.1) by striking out Sentence (2) of Article 2.2.3.1. and by adding the following after Sentence (5) of that Article:

"(6) [F81-OH1.1]";";

(4) by replacing subparagraph (b) by the following:

"(b) by adding the following after Sentence (2) of Article 2.2.3.2.:

"(3) [F81-OH2.1, OH2.3, OH2.4] [F46-OH2.2]

(4) [F43-OH5]";";

(5) by striking out subparagraph (c);

(6) by inserting the following after subparagraph (c):

"(c.1) by striking out Sentence (3) of Article 2.2.6.7.;";

(7) by replacing Sentence (1) of Article 2.2.6.10. in subparagraph (d) by the following:

"(1) [F46-OH2.2]

(2) [F46-OH2.2]

(3) [F80-OH2.1, OH2.3]
[F80-OH1.1]";

(8) by striking out subparagraph (e);

(9) by inserting the following after subparagraph (e):

"(e.1) by replacing Sentences (1), (3) and (4) of Article 2.2.10.7. by the following:

"(1) [F30-OS3.1]

(2) [F30-OS3.1]

(3) [F31-OS3.2]";";

(10) by inserting the following Article in subparagraph (g) after Article 2.2.10.23.:

"**2.2.10.24. Floor Drain Trap Seals**

(1) [F82-OH1.1]";

(11) by striking out subparagraphs (h) and (i);

(12) by inserting the following after subparagraph (i):

"(i.1) by adding the following after Article 2.3.6.7.:

"**2.3.6.8. Smoke Tests**

(1) [F81-OH1.1]
[F81-OH2.1, OH2.3]";";

(13) by replacing subparagraph (j) by the following:

"(j) by adding the following after Sentence (5) of Article 2.4.2.1.:

"(6) [F81-OH1.1]

(7) [F81-OH1.1]";";

(14) by inserting the following after subparagraph (j):

"(j.1) by adding the following after Sentence (1) of Article 2.4.3.5.:

"(2) [F72-OH2.1]";";

(15) in subparagraph (k)

(a) by replacing Sentence (2) by the following:

"(2) [F81-OH1.1]
[F81-OH2.1]";

(b) by adding the following Sentence:

"(12) [F81-OH2.1]
[F43-OH1.1]";

(16) by inserting the following after subparagraph (k):

"(k.1) by adding the following after Sentence (1) of Article 2.4.4.1.:

"(2) [F81-OH2.1]

(3) [F43-OS3.4]";";

(17) by inserting the following after subparagraph (m):

"(m.0.1) by adding the following after Sentence (7) of Article 2.4.6.3.:

"(8) [F81-OH2.1]
[F43-OH1.1]";

(m.0.2) by striking out Sentence (6) of Article 2.4.6.4.;";

(18) by inserting the following after subparagraph (m.1):

"(m.2) by adding the following after Sentence (9) of Article 2.4.7.1.:

"(10) [F62-OH1.1]
[F72-OH2.3]";

(m.3) by adding the following after Sentence (3) of Article 2.5.6.2.:

"(4) [F43-OS3.4, OH1.1]";";

(19) by replacing subparagraph (n) by the following:

"(n) by adding the following after Sentence (2) of Article 2.6.1.1.:

"(3) [F40-OH1.1]

(4) [F40-OH1.1]

(5) [F40-OH1.1]";";

(20) by adding the following after subparagraph (n):

"(o) by adding the following after Sentence (2) of Article 2.6.1.6.:

"(3) [F130-OE1.2]

(4) [F130-OE1.2]

(5) [F130-OE1.2]";

(p) by striking out Article 2.6.1.10.;"

(44) by inserting the following after Sentence (37):

"(37.0.1) note A-1.3.1.2.(1) in Table A-1.3.1.2.(1):

(1) by inserting the following reference:

"

ASME	A112.3.1-2007	Stainless Steel Drainage Systems for Sanitary DWV, Storm, and Vacuum Applications, Above and Below-Ground	Table A-2.2.5., 2.2.6. and 2.2.7.

"

before the reference:

"

ASME	B16.3-2006	Malleable Iron Threaded Fittings, Classes 150 and 300	Table A-2.2.5., 2.2.6. and 2.2.7.

";

(2) by inserting the following reference:

"

ASME	B16.11-2009	Forged Fittings, Socket-Welding and Threaded	Table A-2.2.5., 2.2.6. and 2.2.7.

"

after the reference:

"

ASME	B16.4-2006	Gray Iron Threaded Fittings, Classes 125 and 250	Table A-2.2.5., 2.2.6., 2.2.7.

";

(3) by inserting the following references:

"

ASTM	A 312/A 312M-09	Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	Table A-2.2.5., 2.2.6., 2.2.7.
ASTM	A 778-01(2009)e1	Standard Specification for Welded, Unannealed Austenitic Stainless Steel Tubular Products	Table A-2.2.5., 2.2.6. and 2.2.7.

"

after the reference:

"

ASTM	A 53/A 53M-07	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	Table A-2.2.5., 2.2.6. and 2.2.7.

";

(4) by inserting the following reference:

"

CSA	CSA B481 Series 07	Grease Interceptors	A-2.4.4.3.(1)

"

after the reference:

"

CSA	CAN/CSA B182.6-06	Profile Polyethylene (PE) Sewer Pipe and Fittings For Leak-Proof Sewer Applications	Table A-2.2.5., 2.2.6. and 2.2.7.

";

(37.0.2) in Tables A-2.2.5., 2.2.6. and 2.2.7.,

(1) by replacing the reference:

"

Welded and seamless steel galvanized pipe	ASTM A53/A 53M	2.2.6.7.	P	N	N	P	N	P(9)	P(9)	P(9)	P(9)

"

by the following reference:

"

Welded and seamless steel galvanized pipe	ASTM A53/A 53M	2.2.6.7.	P	N	N	P	N	N	N	N	N

";

(2) by adding the following references:

"

Stainless steel pipes Type 304, 304L, 316 or 316L	ASTM A 312/A 312M ASTM A 778	2.2.6.10. (1)	N	N	N	N	N	P	P	P	P

Stainless steel fittings Type 304, 304L, 316 or 316L	ASTM B16.11	2.2.6.10. (2)	N	N	N	N	N	P	P	P	P
Stainless steel pipes and fittings Type 304	ASME A112.3.1	2.2.6.10. (3)	P	N	N	P	N	N	N	N	N
Stainless steel pipes and fittings Type 316L	ASME A112.3.1	2.2.6.10. (3)	P	P	P	P	P	N	N	N	N

"

at the end after the reference:

"

Lead waste pipe	-	2.2.7.8.	P(5)(6)	P	N	P(5)(6)	P	N	N	N	N

";

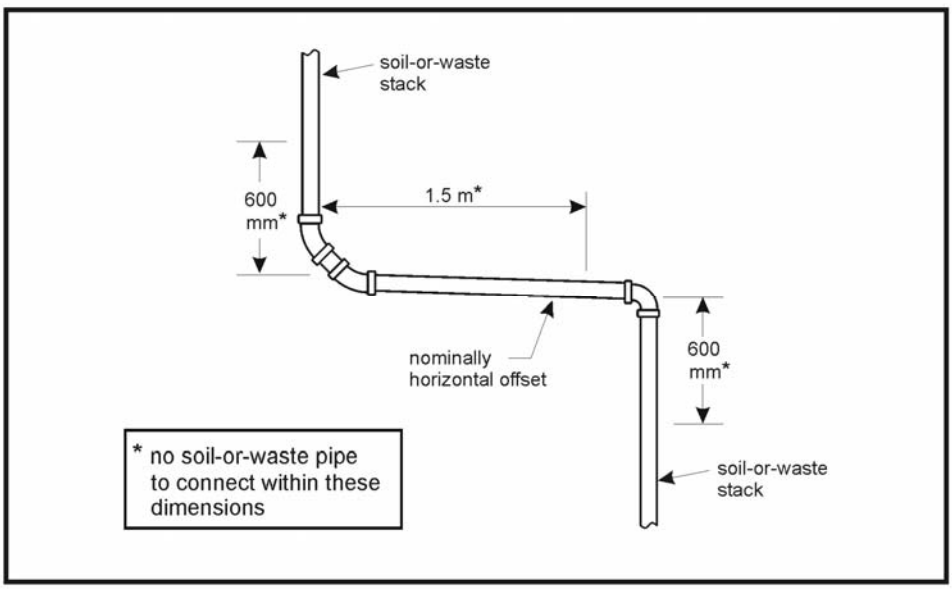
(3) by replacing note (9) at the bottom of the Table by the following:

"(9) Struck out.";

(37.0.3) by striking out note A-2.2.6.7.(3);";

(45) by replacing Figure A-2.4.2.1.(2) in Sentence (38) by the following:

"



";

(46) by replacing Sentence (39) by the following:

"(39) by replacing note A-2.4.2.1.(4) by the following:

"**A-2.4.2.1.(4) Soil-or-Waste Pipe Connections.**

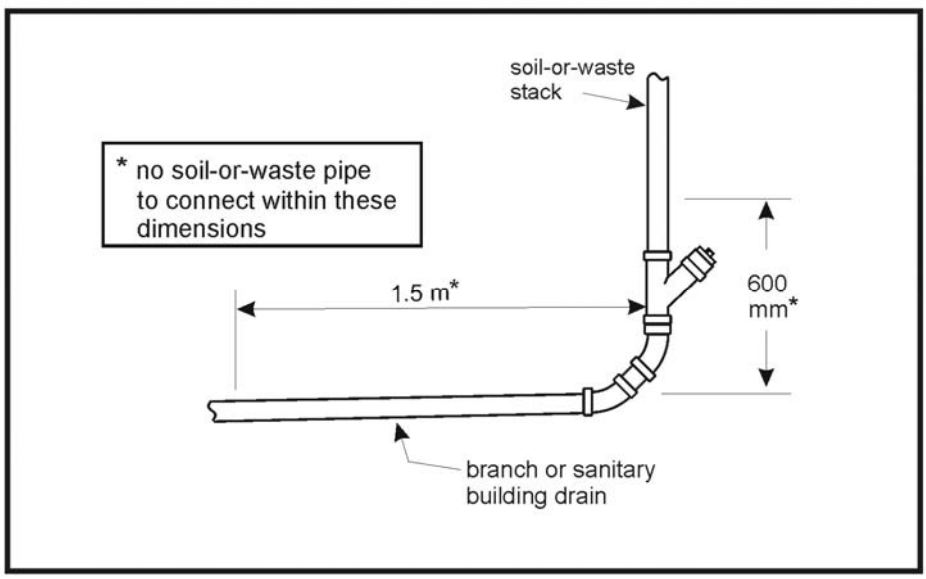


Figure A-2.4.2.1.(4)
Soil-or-Waste Pipe Connections

A-2.4.2.1.(5) Soil-or-Waste Pipe Connections.

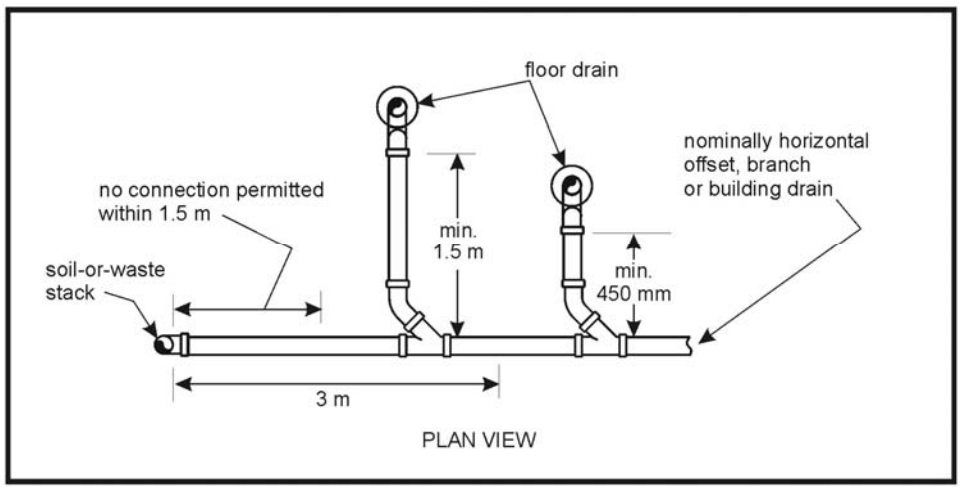


Figure A-2.4.2.1.(5)
Soil-or-Waste Pipe Connections

A-2.4.2.1.(6) and (7) Suds pressure zones. High sudsing detergents used in clothes washers produce suds that tend to disrupt the venting action of venting systems and can also spread through the lower portions of multi-storey drainage systems. The more turbulence, the greater the suds. One solution that avoids the creation of suds pressure zones involves connecting the suds-producing stack downstream of all other stacks and increasing the size of the horizontal building drain to achieve a greater flow of air and water. Using streamlined fittings, such as wyes, tends to reduce suds formation. Check valves or backwater valves in fixture outlet pipes have also been used to correct problem installations.

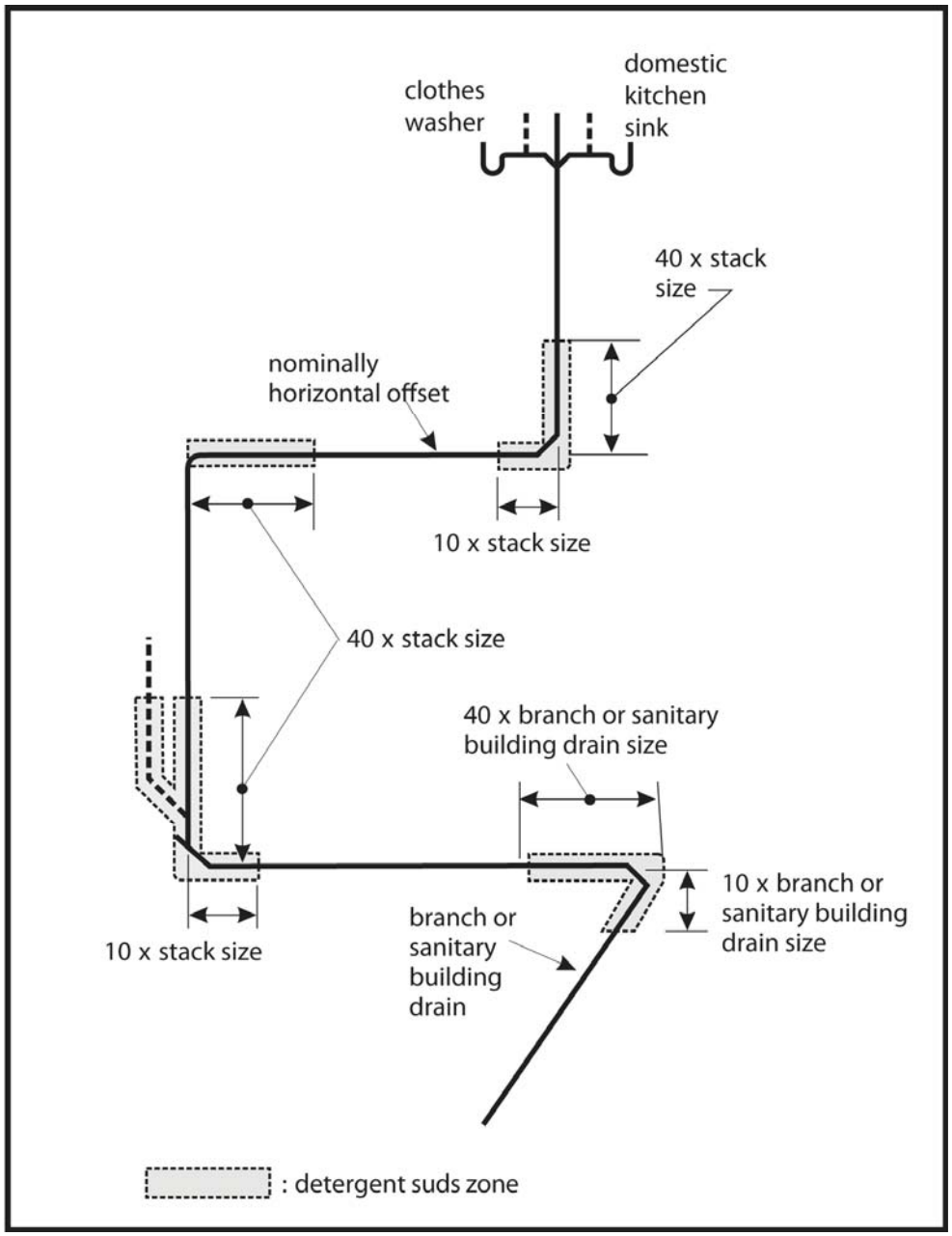


Figure A-2.4.2.1.(6) and (7)
Suds pressure zones

";";

(47) by replacing note A-2.4.3.7 in Sentence (40) by the following:

"**A-2.4.3.7. Retention Pit**

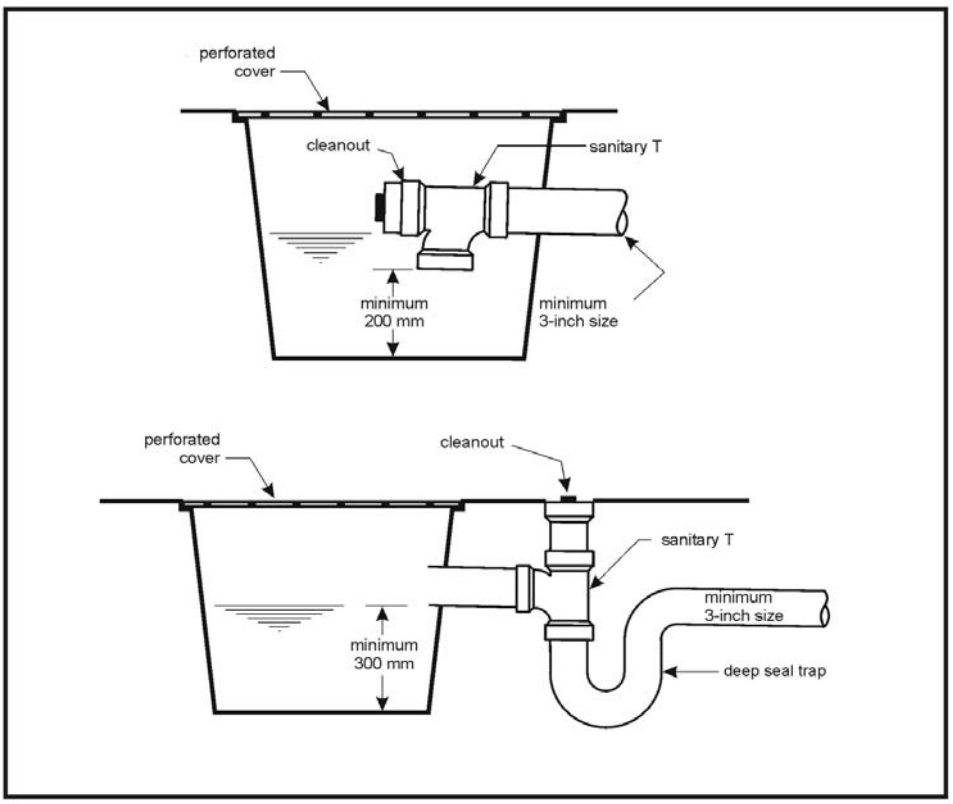


Figure A-2.4.3.7.
Retention Pit.

";

(48) by inserting the following after Sentence (40):

"(40.1) by replacing note A-2.4.4.3.(1) by the following:

"**A-2.4.4.3.(1) Grease Interceptors.** Grease interceptors may be required when it is considered that the discharge of fats, oil or grease may impair the drainage system. Further information on the sizing, selection, location, installation and maintenance of grease interceptors can be found in CAN/CSA-B481 Series.";";

(49) by inserting the following after Sentence (44):

"(44.1) by striking out note A-2.4.6.4.(6);";

(50) by replacing Sentence (45) by the following:

"(45) by replacing note A-2.4.8.2.(1) by the following:

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

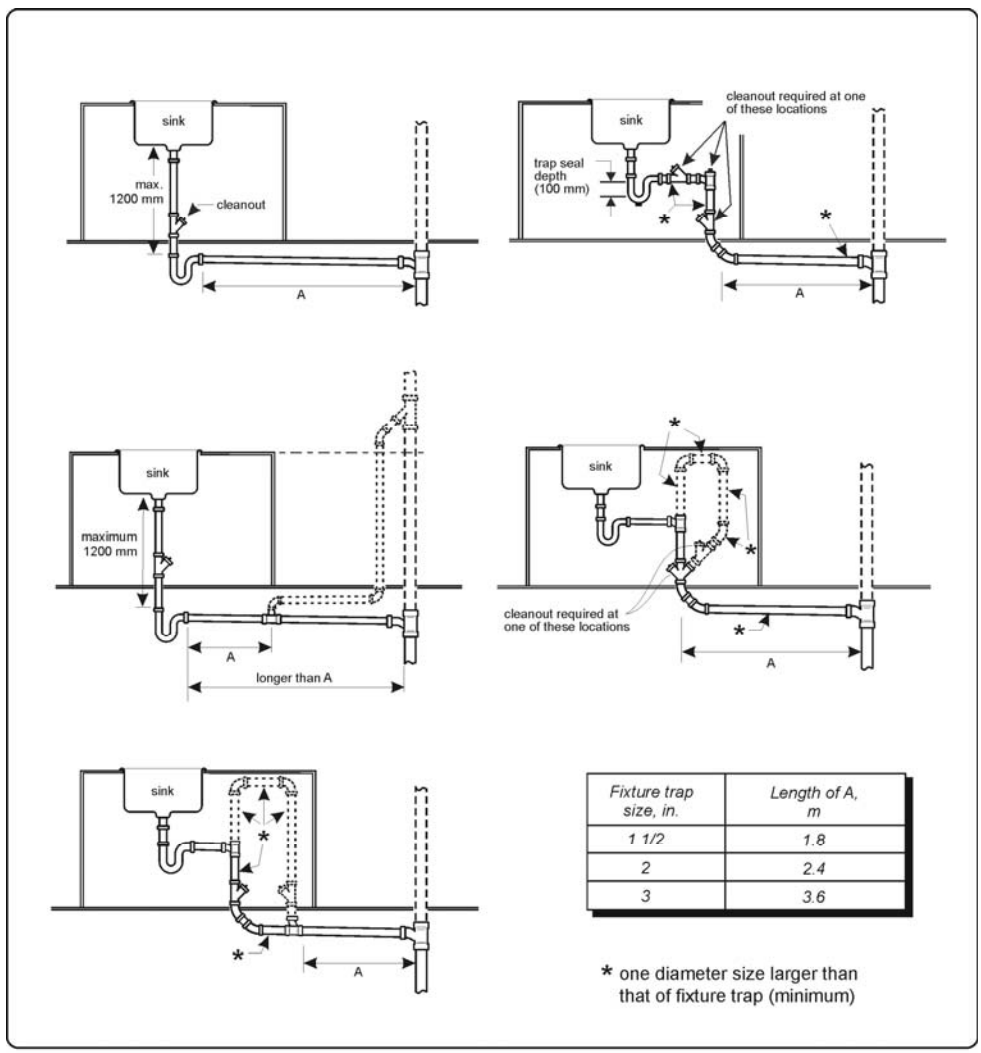


Figure A-2.4.8.2.(1)
Island Fixture Installation.

";".

(51) by inserting the following after Sentence (45):

"(45.1) by replacing note A-2.4.9.3.(3) by the following:

"**A-2.4.9.3.(3) Standpipe Illustration.**

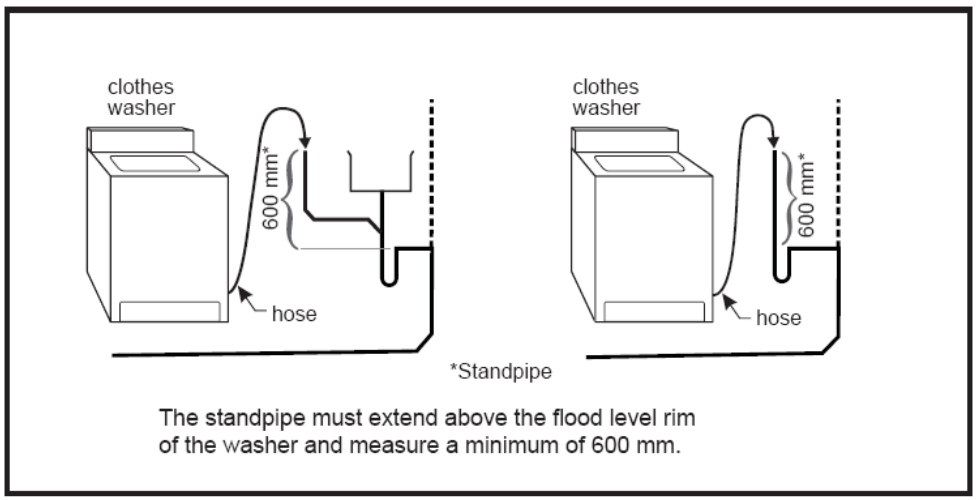


Figure A-2.4.9.3.(3)
Standpipe Illustration

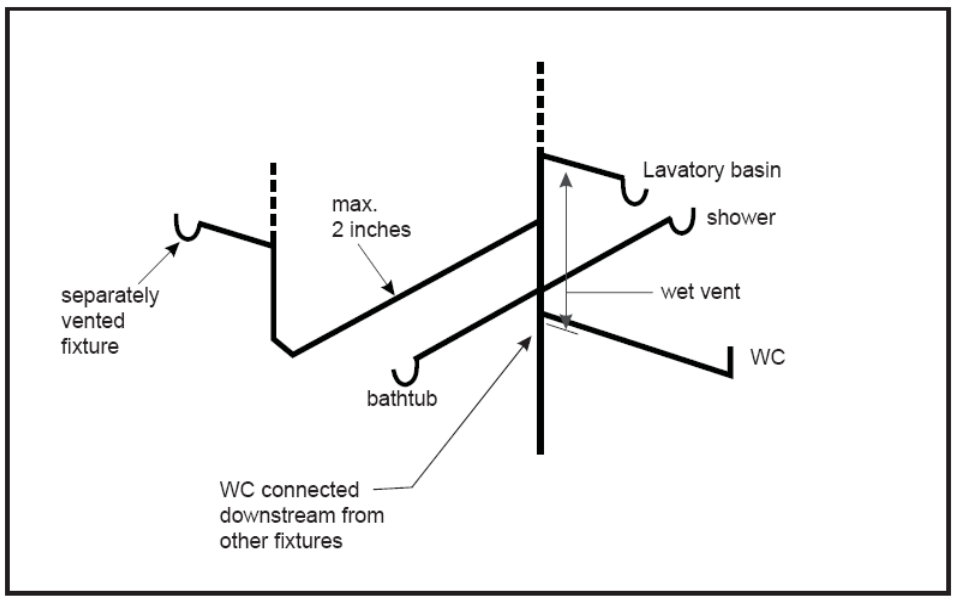
";";

(52) by replacing Sentence (46) by the following:

"(46) in note A-2.5.2.1.,

(a) by replacing Figure A-2.5.2.1. –C by the following:

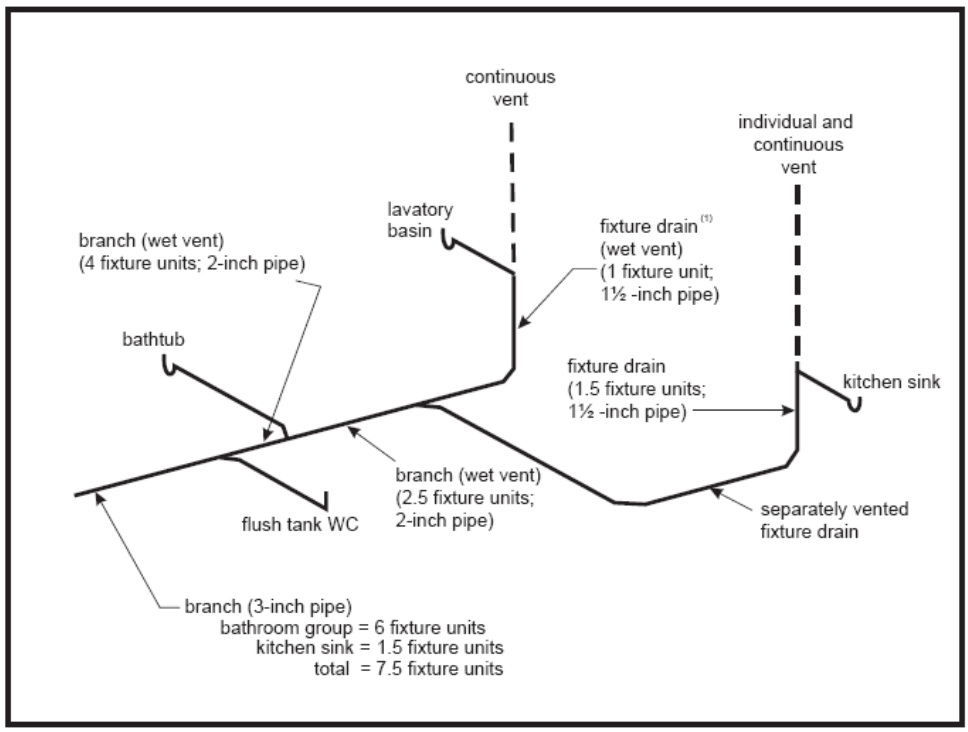
"



";

(b) by replacing Figure A-2.5.2.1.-E by the following:

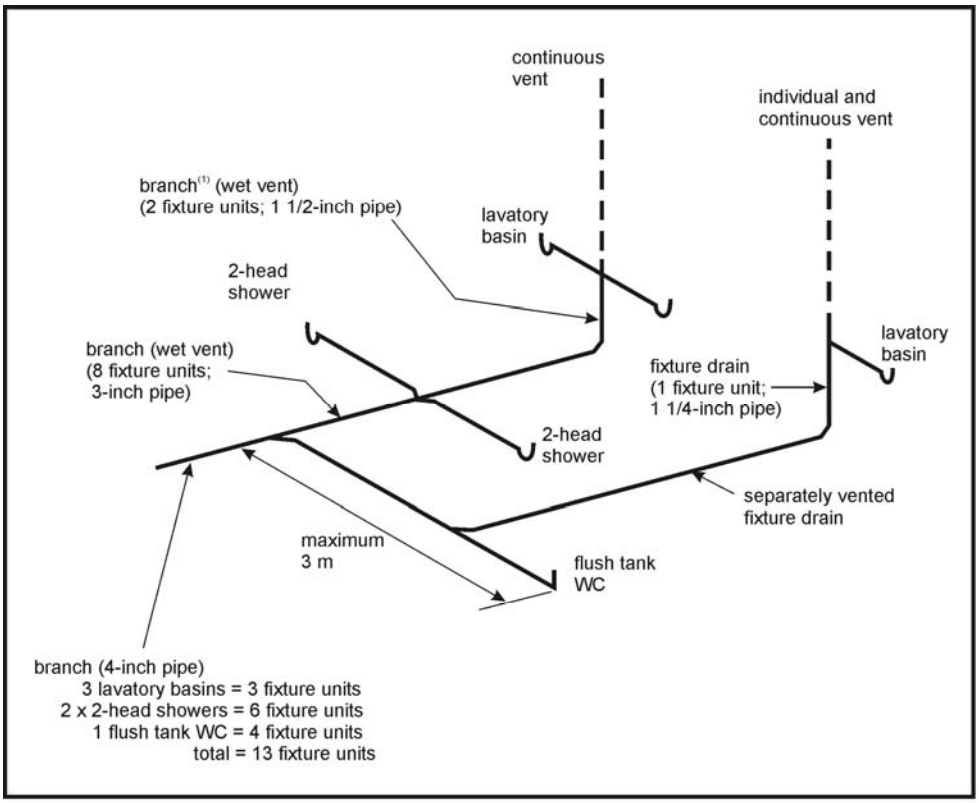
"



";

(c) by replacing Figure A-2.5.2.1.-F by the following:

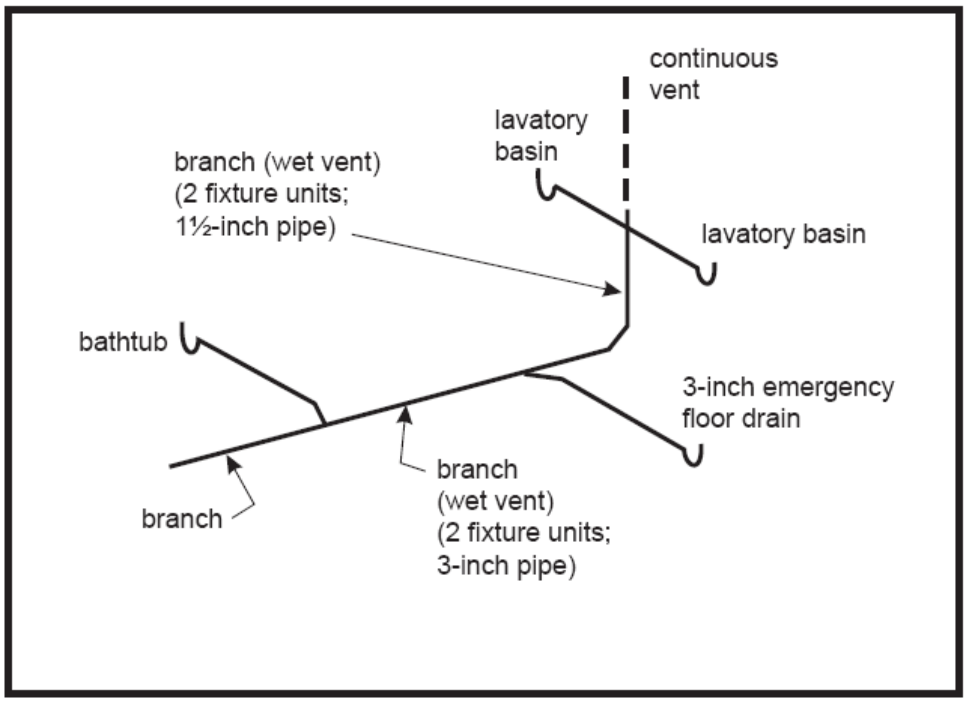
"



";

(d) by replacing Figure A-2.5.2.1.-L by the following:

"



";

(53) by inserting the following after Sentence (46):

"(46.1) by replacing note A-2.5.5.2. by the following:

"**A-2.5.5.2. Venting of Oil Interceptors.**

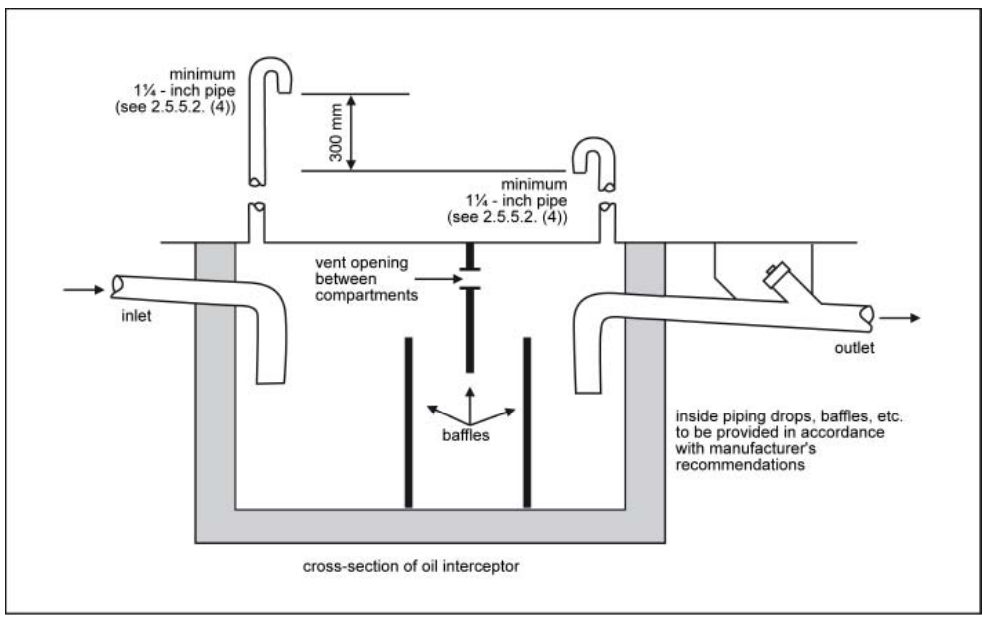


Figure A-2.5.5.2.
Venting of Oil Interceptors

";";

(54) by replacing note A-2.6.1.12.(1) in Sentence (47) by the following:

"**A-2.6.1.12.(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.";

(55) by adding the following after Sentence (47):

"(48) in note A-2.6.3.1.(2),

(a) by inserting the following after the title "**Method for Small Commercial Buildings**":

""Small commercial building" means a building of groups A, D, E, F2 or F3, as defined 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.";

(b) by replacing Table A-2.6.3.1.(2)A. by the following:

"**Table A-2.6.3.1.(2)A.**
Pipe Sizes for Water Systems Based on Number of Fixture Units Served Method for Small Commercial Buildings (1)

Water Service Pipe, inches	Water Distribution System, inches	Maximum Allowable Length, m														
		12	18	24	30	46	61	76	91	122	152	183	213	244	274	305
		Number of Fixture Units Served														
		Flow Velocity, m/s								3.0	2.4	1.5				
Pressure Range – 200 to 310 kPa																
¾	½	6	5	4	3	2	1	1	1	0	0	0	0	0	0	0
¾	¾	18	16	14	12	9	6	5	5	4	4	3	2	2	2	1
1	1	36	31	27	25	20	17	15	13	12	10	8	6	6	6	6
1½	1¼	83	68	57	48	38	32	28	25	21	18	15	12	12	11	11
1½	1½	151	124	105	91	70	57	49	45	36	31	26	23	21	20	20
2	1½	151	151	132	110	80	64	53	46	38	32	27	23	21	20	20
2	2	359	329	292	265	217	185	164	147	124	96	70	61	57	54	51
2½	2½	445	418	390	370	330	300	280	265	240	220	198	175	158	143	133
Pressure Range – 311 to 413 kPa																
¾	½	8	7	6	5	4	3	2	2	1	1	1	0	0	0	0
¾	¾	21	21	19	17	14	11	9	8	6	5	4	4	3	3	3
1	1	42	42	41	36	30	25	23	20	18	15	12	10	9	8	8
1½	1¼	83	83	83	83	66	52	44	39	33	29	24	20	19	17	16
1½	1½	151	151	151	151	128	105	90	78	62	52	42	38	35	32	30
2	1½	151	151	151	151	150	117	98	84	67	55	42	38	35	32	30
2	2	359	359	359	359	359	318	280	250	205	165	142	123	110	102	94
2½	2½	611	611	610	580	535	500	470	440	400	365	335	315	285	267	250
Pressure Range – Over 413 kPa																
¾	½	8	8	7	6	5	4	3	3	2	1	1	1	1	1	0
¾	¾	21	21	21	21	17	13	11	10	8	7	6	6	5	4	4
1	1	42	42	42	42	38	32	29	26	22	18	14	13	12	12	11
1½	1¼	83	83	83	83	83	74	62	54	43	34	26	25	23	22	21
1½	1¼	151	151	151	151	151	151	130	113	88	73	51	51	46	43	40
2	1½	151	151	151	151	151	151	142	122	98	82	64	51	46	43	40
2	2	359	359	359	359	359	359	359	340	288	245	204	172	153	141	129
2½	2½	611	611	611	611	611	611	610	570	510	460	430	404	380	356	329

(1) Where total fixture unit values exceed those given in this Table, a detailed design system must be used.

";

(49) by striking out "and irrigating lawns and gardens" after "such as flushing toilets" in note A-2.7.4.1.".

5. Section 3.06 is amended

(1) in Sentence (2)

(1) by adding the following after Sentence (1) of Article 2.2.2.1.:

"(2) When required, the plans and specifications must be available on the worksite.";

(2) by replacing Clause (c) of Sentence (1) of Article 2.2.2.2. by the following:

"(c) the connection of the *subsoil drainage pipe* if it enters the *building*.";

(2) in Sentence (3)

(1) by replacing "(ITS)" in Clause (i) of Sentence (1) of Article 2.2.3.1. by "(ETL)";

(2) by replacing Article 2.2.4.1. by the following:

"**2.2.4.1. Application**

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

(3) by replacing "the plumbing contractor" in Clause (c) of Article 2.2.4.4. by "the plumbing contractor or owner-builder, where applicable";

(4) by replacing Clause (f) of Article 2.2.4.4. by the following:

"(f) the *occupancy* of the *building* or facility intended for use by the public and the existing and planned number of *storeys*, and;";

(5) in Sentence (1) of Article 2.2.5.1.

(1) by replacing "the plumbing contractor" in the part preceding Clause (a) by "the plumbing contractor or owner-builder,";

(2) by replacing "*appareil sanitaire*" in Subclauses (i) and (ii) of Clause (c) of the French text by "*appareil*".

6. This Regulation comes into force on 29 April 2014.

3202

Gouvernement du Québec

O.C. 31-2014, 15 January 2014

An Act respecting collective agreement decrees (chapter D-2)

Security guards
— Amendment

Decree to amend the Decree respecting security guards

WHEREAS, under section 2 of the Act respecting collective agreement decrees (chapter D-2), the Government made the Decree respecting security guards (chapter D-2, r. 1);

WHEREAS, under section 8 of the Act, the Government may, after consulting with the contracting parties or the parity committee, and after publication of a notice in the *Gazette officielle du Québec* and in a French language newspaper and in an English language newspaper, amend a decree;

WHEREAS, in accordance with sections 5 and 8 of the Act respecting collective agreement decrees and sections 10 and 11 of the Regulations Act (chapter R-18.1), a draft decree to amend the Decree respecting security guards was published in Part 2 of the *Gazette officielle du Québec* of 24 July 2013 and in a French language newspaper and in an English language newspaper, with a notice that it could be made by the Government on the expiry of 45 days following that publication;

WHEREAS, under section 7 of the Act respecting collective agreement decrees, despite section 17 of the Regulations Act, a decree comes into force on the day of its publication in the *Gazette officielle du Québec* or on any later date fixed therein;

WHEREAS it is expedient to make the draft Decree without amendment;

IT IS ORDERED, therefore, on the recommendation of the Minister of Labour:

THAT the Decree to amend the Decree respecting security guards, attached to this Order in Council, be made.

JEAN ST-GELAIS,
Clerk of the Conseil exécutif

Decree to amend the Decree respecting security guards

An Act respecting collective agreement decrees (chapter D-2, ss. 2, 6.1 and 8)

1. The Decree respecting security guards (chapter D-2, r. 1) is amended in section 2.03 by replacing paragraph 7 by the following:

"(7) employees involved in the operation of a parking lot, except where, as part of their duties, they monitor, watch or protect persons, property or premises mainly to prevent theft, fire and vandalism;".

2. This Decree comes into force on the day of its publication in the *Gazette officielle du Québec*.

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