

BUILDING CODE ACT, 1992

RULING OF THE MINISTER OF MUNICIPAL AFFAIRS AND HOUSING

No. 04-BC-02

Pursuant to clause 29(1)(b) of the *Building Code Act*, 1992, as amended, the Director of the Building and Development Branch as delegate of the Minister of Municipal Affairs and Housing hereby adopts the following amendment to a code, standard, guideline, protocol or procedure that has been adopted by reference in the Building Code:

1. Description of code, standard, guideline, protocol or procedure that has been adopted by reference in the Building Code

The Standards described in Table 2.6.3.2. and Clause 6.2.1.1.(1)(e) of the Building Code and listed in Columns 1 to 3 of the Table to this Ruling.

2. Amendment of the code, standard, guideline, protocol or procedure that is adopted in this Ruling:

The amended standards listed in Columns 4 and 5 of the Table to this Ruling corresponding to the standards listed in Columns 1 to 3 of the Table to this Ruling.

3. Conditions under which the amendments of the codes, standards, guidelines, protocols or procedures are adopted

1. This Ruling Comes into force on September 20, 2004.
2. The standards listed in Columns 1 to 3 of the Table to this Ruling continue in force in respect of construction
 - (a) for which a permit has been issued before the 20th day of September, 2004, or
 - (b) for which the working drawings, plans and specifications are substantially completed before the 20th day of September, 2004, and for which an application for a permit is made before the 20th day of December, 2004.

on condition that the construction is commenced within six months after the permit is issued.

TABLE

Issuing Agency	EXISTING STANDARD		AMENDED STANDARD	
	Document Number	Title of Document	Document Number	Title of Document
ANSI/ASME	B16.22-1989	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings	B16.22-1995	Wrought Copper and Copper Alloy Solder Joint Pressure Fittings
ANSI/ASME	B16.24-1991	Bronze Pipe Flanges and Flanged Fittings (Class 150 and 300)	B16.24-1991	Cast Copper Alloy Pipe Flanges and Flanged Fittings
ANSI/ASME	B16.29-1986	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings - DWV	B16.29-1994	Wrought Copper and Wrought Copper Alloy Solder Joint Drainage Fittings - DWV
ANSI/ASHRAE	62-1989	Ventilation for Acceptable Indoor Air Quality	62-2001	Ventilation for Acceptable Indoor Air Quality
ANSI/AWWA	C104/A21.4-90	Cement-Mortar Lining for Ductile-Iron and Gray-Iron Pipe and Fittings for Water	C104/A21.4-95	Cement-Mortar Lining for Ductile-Iron Pipe Fittings for Water
ANSI/AWWA	C110/A21.10-93	Ductile-Iron and Gray-Iron Fittings, 3 in. Through 48 in., for Water and Other Liquids	C110/A21.10-98	Ductile-Iron and Gray-Iron Fittings, 3 in. Through 48 in., for Water and Other Liquids
ANSI/AWWA	C111/A21.11-90	Rubber-Gasket Joints for Ductile-Iron and Gray-Iron Pressure Pipe and Fittings	C111/A21.11-00	Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings
ANSI/AWWA	C151/A21.51-91	Ductile-Iron Pipe, Centrifugally Cast in Metal Molds or Sand-Lined Molds, for Water or Other Liquids	C151/A21.51-96	Ductile-Iron Pipe, Centrifugally Cast for Water
ASTM	A53-93a	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated Welded and Seamless	A53/A53M-99b	Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless
ASTM	A123/A123M-97a	Zinc (Hot Dip Galvanized) Coatings on Iron and Steel Products	A123/A123M-00	Zinc (Hot Dip Galvanized) Coatings on Iron and Steel Products
ASTM	A153-95	Zinc Coating (Hot-Dip) on Iron and Steel Hardware	A153/A153M-00	Zinc Coating (Hot-Dip) on Iron and Steel Hardware
ASTM	A252-96	Welded and Seamless Steel Pipe Piles	A252-98	Welded and Seamless Steel Pipe Piles
ASTM	A283/A283M-97	Low and Intermediate Tensile Strength Carbon Steel Plates	A283/A283M-00	Low and Intermediate Tensile Strength Carbon Steel Plates
ASTM	A518-92	Specification for Corrosion-Resistant High-Silicon Iron Castings	A518/A518M-99	Corrosion-Resistant High-Silicon Iron Castings
ASTM	A653/A653M-97	Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process	A653/A653M-00	Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process
ASTM	A924/A924M-97	Steel Sheet, Metallic-Coated by the Hot-Dip Process	A924/A924M-99	Steel Sheet, Metallic-Coated by the Hot-Dip Process
ASTM	B32-94	Solder Metal	B32-00	Solder Metal
ASTM	B42-93	Seamless Copper Pipe, Standard Sizes	B42-98	Seamless Copper Pipe, Standard Sizes
ASTM	B43-94	Seamless Red Brass Pipe, Standard Sizes	B43-98	Seamless Red Brass Pipe, Standard Sizes
ASTM	B88-93a	Seamless Copper Water Tube	B88-99	Seamless Copper Water Tube
ASTM	B306-92	Copper Drainage Tube (DWV)	B306-99	Copper Drainage Tube (DWV)
ASTM	C4-97	Clay Drain Tile	C4-00	Clay Drain Tile and Perforated Clay Drain Tile
ASTM	C27-93	Classification for Fire Clay and High Alumina Refractory Brick	C27-98	Classification for Fire Clay and High-lumina Refractory Brick
Column 1	2	3	4	5

TABLE (Cont'd)

Issuing Agency	EXISTING STANDARD		AMENDED STANDARD	
	Document Number	Title of Document	Document Number	Title of Document
ASTM	C36-97	Gypsum Wallboard	C36/C36M-99e1	Gypsum Wallboard
ASTM	C37-95	Gypsum Lath	C37/C37M-99	Gypsum Lath
ASTM	C126-96	Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units	C126-99	Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units
ASTM	C412M-94	Concrete Drain Tile	C412M-99	Concrete Drain Tile
ASTM	C442-95	Gypsum Backing Board and Coreboard	C442/C442M-99	Gypsum Backing Board, and Gypsum Coreboard, and Gypsum Shaftliner Board
ASTM	C588-95a	Gypsum Base for Veneer Plasters	C588/C588M-99	Gypsum Base for Veneer Plasters
ASTM	C630/C630M-96a	Water Resistant Gypsum Backing Board	C630/C630M-00	Water-Resistant Gypsum Backing Board
ASTM	C700-97	Vitrified Clay Pipe, Extra Strength, Standard Strength and Perforated	C700-00	Vitrified Clay Pipe, Extra Strength, Standard Strength and Perforated
ASTM	C931/C931M-95a	Exterior Gypsum Soffit Board	C931/C931M-98	Exterior Gypsum Soffit Board
ASTM	C1053-90	Borosilicate Glass Pipe and Fittings for Drain, Waste and Vent (DWV) Applications	C1053-00	Borosilicate Glass Pipe and Fittings for Drain, Waste and Vent (DWV) Applications
ASTM	D3261-93	Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing	D3261-97	Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing
ASTM	E96-95	Test Methods for Water Vapour Transmission of Materials	E96-95	Water Vapour Transmission of Materials
AWPA	M4-96	Care of Preservative-Treated Wood Products	M4-01	Care of Preservative-Treated Wood Products
BNQ	NQ3624-115-1991	Thermo-Plastic Pipe-Flexible Corrugated Tubing and Fitting for Soil Drainage	NQ3624-115-2000	Polyethylene (PE) Pipe and Fittings-Flexible Corrugated Pipes for Drainage-Characteristics and Test Methods
CGSB	CAN/CGSB-12.8-M90	Insulating Glass Units	CAN/CGSB-12.8-M97	Insulating Glass Units
CGSB	CAN/CGSB-34.9-M87	Pipe, Asbestos-Cement, Sewer	CAN/CGSB-34.9-M94	Asbestos-Cement Sewer Pipe
CGSB	CAN/CGSB-34.23-M87	Pipe, Asbestos-Cement, Sewer, House Connection	CAN/CGSB-34.23-94	Asbestos-Cement House Connection Sewer Pipe
CSA	A123.1-M1979	Asphalt Shingles Surfaced with Mineral Granules	A123.1-M98	Asphalt Shingles Made from Organic Felt and Surfaced with Mineral Granules
CSA	A123.3-M1979	Asphalt or Tar Saturated Roofing Felt	A123.3-M98	Asphalt Saturated Organic Roofing Felt
CSA	A123.4-M1979	Bitumen for Use in Construction of Built-Up Roof Coverings and Dampproofing and Waterproofing Systems	A123.4-M98	Asphalt for Use in Construction of Built-Up Roof Coverings and Waterproofing Systems
CSA	CAN/CSA-A123.5-M90	Asphalt Shingle Made from Glass Felt and Surfaced with Mineral Granules	CAN/CSA-A123.5-M98	Asphalt Shingle Made from Glass Felt and Surfaced with Mineral Granules
CSA	CAN/CSA-A440-M90	Windows	CAN/CSA-A440-00	Windows
CSA	CAN/CSA-A440.1	User Selection Guide to CAN/CSA-A440	CAN/CSA-A440.1-00	User Selection Guide to CAN/CSA-A440
CSA	CAN/CSA-B44-M94	Safety Code for Elevators	CAN/CSA-B44-00	Safety Code for Elevators
CSA	CAN/CSA-B45.0 Series-94	General Requirements for Plumbing Fixtures	CAN/CSA-B45 Series-99	Plumbing Fixtures
Column 1	2	3	4	5

TABLE (Cont'd)

Issuing Agency	EXISTING STANDARD		AMENDED STANDARD	
	Document Number	Title of Document	Document Number	Title of Document
CSA	B52-95	Mechanical Refrigeration Code	B52-99	Mechanical Refrigeration Code
CSA	CAN/CSA-B64 Series-94	Backflow Preventers and Vacuum Breakers	CAN/CSA-B64 Series-01	Backflow Preventers and Vacuum Breakers
CSA	CAN/CSA-B64.0-94	Definitions, General Requirements, and Test Methods for Vacuum Breakers and Backflow Preventers	CAN/CSA-B64.0-01	Definitions, General Requirements, and Test Methods for Vacuum Breakers and Backflow Preventers
CSA	CAN/CSA-B64.1.1-94	Vacuum Breakers, Atmospheric Type (AVB)	CAN/CSA-B64.1.1-01	Vacuum Breakers, Atmospheric Type (AVB)
CSA	CAN/CSA-B64.1.2-94	Vacuum Breakers, Pressure Type (PVB)	CAN/CSA-B64.1.2-01	Vacuum Breakers, Pressure Type (PVB)
CSA	CAN/CSA-B64.2-94	Vacuum Breakers, Hose Connection Type	CAN/CSA-B64.2-01	Vacuum Breakers, Hose Connection Type
CSA	CAN/CSA-B64.2.1-94	Vacuum Breakers, Hose Connection Type (HCVB) with Manual Draining Feature	CAN/CSA-B64.2.1-01	Vacuum Breakers, Hose Connection Type (HCVB) with Manual Draining Feature
CSA	CAN/CSA-B64.2.2-94	Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature	CAN/CSA-B64.2.2-01	Vacuum Breakers, Hose Connection Type (HCVB) with Automatic Draining Feature
CSA	CAN/CSA-B64.3-94	Backflow Preventers, Dual Check Valve Type Atmospheric Port (DACP)	CAN/CSA-B64.3-01	Backflow Preventers, Dual Check Valve Type Atmospheric Port (DACP)
CSA	CAN/CSA-B64.4-94	Backflow Preventers, Reduced Pressure Principle Type (RP)	CAN/CSA-B64.4-01	Backflow Preventers, Reduced Pressure Principle Type (RP)
CSA	CAN/CSA-B64.5-94	Backflow Preventers, Double Check Valve Type (DCVA)	CAN/CSA-B64.5-01	Backflow Preventers, Double Check Valve Type (DCVA)
CSA	CAN/CSA-B64.6-94	Backflow Preventers, Dual Check Valve Type (DuC)	CAN/CSA-B64.6-01	Backflow Preventers, Dual Check Valve Type (DuC)
CSA	CAN/CSA-B64.7-94	Vacuum Breakers, Laboratory Faucet Type (LFVP)	CAN/CSA-B64.7-01	Vacuum Breakers, Laboratory Faucet Type (LFVP)
CSA	CAN/CSA-B64.8-94	Backflow Preventers, Dual Check Valve Type with Intermediate Vent (DuCV)	CAN/CSA-B64.8-01	Backflow Preventers, Dual Check Valve Type with Intermediate Vent (DuCV)
CSA	CAN/CSA-B70-M91	Cast Iron Soil Pipe, Fittings and Means of Joining	CAN/CSA-B70-97	Cast Iron Soil Pipe, Fittings and Means of Joining
CSA	CAN/CSA-B125-93	Plumbing Fittings	CAN/CSA-B125-98	Plumbing Fittings
CSA	B127.1-M1977	Components for Use in Asbestos Cement Drain, Waste and Vent Systems	B127.1-99	Components for Use in Asbestos Cement Drain, Waste and Vent Systems
CSA	CAN/CSA-B137.1-M89	Polyethylene Pipe, Tubing and Fittings for Cold Water Pressure Services	CAN/CSA-B137.1-99	Polyethylene Pipe, Tubing and Fittings for Cold Water Pressure Services
CSA	CAN/CSA-B137.2-M93	PVC Injection-Moulded Gasketed Fittings for Pressure Applications	CAN/CSA-B137.2-99	PVC Injection-Moulded Gasketed Fittings for Pressure Applications
CSA	CAN/CSA-B137.3-M93	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications	CAN/CSA-B137.3-99	Rigid Poly (Vinyl Chloride) (PVC) Pipe for Pressure Applications
CSA	CAN/CSA-B137.5-M89	Cross-Linked Polyethylene (PEX) Tubing Systems for Pressure Applications	CAN/CSA-B137.5-99	Cross-Linked Polyethylene (PEX) Tubing Systems for Pressure Applications
CSA	B137.6-M1983	CPVC Pipe, Tubing and Fittings for Hot and Cold Water Distribution Systems	CAN/CSA-B137.6-99	CPVC Pipe, Tubing and Fittings for Hot and Cold Water Distribution Systems
Column 1	2	3	4	5

TABLE (Cont'd)

Issuing Agency	EXISTING STANDARD		AMENDED STANDARD	
	Document Number	Title of Document	Document Number	Title of Document
CSA	B137.7-M1983	Polybutylene (PB) Pipe for Cold Water Distribution Systems	CAN/CSA-B137.7-99	Polybutylene (PB) Pipe for Cold Water Distribution Systems
CSA	CAN/CSA-B137.8-M92	Polybutylene (PB) Piping for Pressure Applications	CAN/CSA-B137.8-99	Polybutylene (PB) Piping for Pressure Applications
CSA	CAN/CSA-B137.9-M91	Polyethylene/Aluminium/Polyethylene Composite Pressure Pipe Systems	CAN/CSA-B137.9-99	Polyethylene/Aluminium/Polyethylene Composite Pressure Pipe Systems
CSA	CAN/CSA-B137.10-M91	Crosslinked Polyethylene/Aluminum Crosslinked Polyethylene Composite Pressure Pipe Systems	CAN/CSA-B137.10-99	Crosslinked Polyethylene/Aluminum Crosslinked Polyethylene Composite Pressure Pipe Systems
CSA	CAN/CSA-B137.11-M93	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications	CAN/CSA-B137.11-99	Polypropylene (PP-R) Pipe and Fittings for Pressure Applications
CSA	CAN/CSA-B181.1-M90	ABS Drain, Waste, and Vent Pipe and Pipe Fittings	CAN/CSA-B181.1-99	ABS Drain, Waste, and Vent Pipe and Pipe Fittings
CSA	CAN/CSA-B181.2-M90	PVC Drain, Waste, and Vent Pipe and Pipe Fittings	CAN/CSA-B181.2-99	PVC Drain, Waste, and Vent Pipe and Pipe Fittings
CSA	CAN/CSA-B181.3-M86	Polyolefin Laboratory Drainage Systems	CAN/CSA-B181.3-99	Polyolefin Laboratory Drainage Systems
CSA	CAN/CSA-B182.1-M96	Plastic Drain and Sewer Pipe and Pipe Fittings	CAN/CSA-B182.1-99	Plastic Drain and Sewer Pipe and Pipe Fittings
CSA	CAN/CSA-B182.2-M90	PVC Sewer Pipe and Fittings (PSM Type)	CAN/CSA-B182.2-99	PVC Sewer Pipe and Fittings (PSM Type)
CSA	CAN/CSA-B182.4-M92	Profile (Ribbed) PVC Sewer Pipe and Fittings	CAN/CSA-B182.4-99	Profile (Ribbed) PVC Sewer Pipe and Fittings
CSA	CAN/CSA-B182.6-M92	Profile Polyethylene Sewer Pipe and Fittings	CAN/CSA-B182.6-99	Profile Polyethylene Sewer Pipe and Fittings
CSA	CAN/CSA-B355-94	Lifts for Persons with Physical Disabilities	CAN/CSA-B355-00	Lifts for Persons with Physical Disabilities
CSA	CAN/CSA-B356-M1979	Water Pressure Reducing Valves Water Pressure Reducing Valves for Domestic Water Supply Systems	CAN/CSA-B356-00	Backflow Preventers and Water Pressure Reducing Valves
CSA	CAN/CSA-B365-M91	Installation Code for Solid-Fuel Burning Appliances and Equipment	CAN/CSA-B365-01	Installation Code for Solid-Fuel Burning Appliances and Equipment
CSA	CAN/CSA-B602-M90	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe	CAN/CSA-B602-99	Mechanical Couplings for Drain, Waste, and Vent Pipe and Sewer Pipe
CSA	CAN/CSA-C282-M89	Emergency Electrical Power Supply for Buildings	CAN/CSA-C282-00	Emergency Electrical Power Supply for Buildings
CSA	CAN/CSA-C439-M88	Standard Methods of Test for Rating the Performance of Heat Recovery Ventilators	CAN/CSA-C439-00	Standard Laboratory Methods of Test for Rating the Performance of Heat/Energy-Recovery Ventilators
CSA	CAN/CSA-G40.21-M92	Structural Quality Steels	CAN/CSA-G40.21-98	Structural Quality Steels
CSA	086.1-94	Engineering Design in Wood (Limit States Design)	086-01	Engineering Design in Wood
CSA	CAN/CSA-S16.1-94	Limit States Design of Steel Structures	CAN/CSA-S16-01	Limit States Design of Steel Structures
CSA	S136-94	Cold Formed Steel Structural Members	S136-01	North American Specifications for the Design of Cold Formed Steel Structural Members (using the Appendix B provisions applicable to Canada)
Column 1	2	3	4	5

TABLE (Cont'd)

Issuing Agency	EXISTING STANDARD		AMENDED STANDARD	
	Document Number	Title of Document	Document Number	Title of Document
HRAI		HRAI Digest 1992		HRAI Digest 2000
NFPA	13-1996	Installation of Sprinkler Systems	13-1999	Installation of Sprinkler Systems
NFPA	13D-1996	Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	13D-1999	Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes
NFPA	13R-1996	Installation of Sprinkler Systems in Residential Occupancies up to and including Four Stories in Height	13R-1999	Installation of Sprinkler Systems in Residential Occupancies up to and including Four Stories in Height
NFPA	14-1996	Installation of Standpipe and Hose Systems	14-2000	Installation of Standpipe, Private Hydrants and Hose Systems
NFPA		Installation of Stationary Pumps for Fire Protection	20-1999	Installation of Stationary Pumps for Fire Protection
NFPA	80-1995	Fire Doors and Windows	80-1999	Fire Doors and Windows
NFPA	82-1994	Incinerators, Waste and Linen Handling Systems and Equipment	82-1999	Incinerators, Waste and Linen Handling Systems and Equipment
NFPA	96-1994	Ventilation Control and Fire Protection of Commercial Cooking Operations	96-1998	Ventilation Control and Fire Protection of Commercial Cooking Operations
NFPA	211-1996	Standard for Chimneys, Fireplaces, Vents and Solid Fuel-Burning Appliances	211-2000	Chimneys, Fireplaces, Vents and Solid Fuel-Burning Appliances
NFPA	214-1996	Water-Cooling Towers	214-1999	Water-Cooling Towers
NLGA	1994	Standard Grading Rules for Canadian Lumber	2000	Standard Grading Rules for Canadian Lumber
SMACMA		HVAC Duct Construction Standards - Metal and Flexible	(1985) 2 nd edition -1995	HVAC Duct Construction Standards - Metal and Flexible
TPIC	1988	Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses	1996	Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses
ULC	CAN4-S111-M95	Standard Method of Fire Tests for Air Filter Units	ULC-S111-95	Standard Method of Fire Tests for Air Filter Units
ULC	CAN4-S115-M95	Standard Method of Fire Tests for Firestop Systems	ULC-S115-95	Standard Method of Fire Tests for Firestop Systems
ULC	CAN/ULC-S524-M91	Standard for the Installation of Fire Alarm Systems	CAN/ULC-S524-01	Standard for the Installation of Fire Alarm Systems
ULC	CAN/ULC-S537-M97	Standard for the Verification of Fire Alarm Systems	CAN/ULC-S537-97	Standard for the Verification of Fire Alarm Systems
ULC	CAN/ULC-S553-M86	Installation of Smoke Alarms	CAN/ULC-S553-M86	Standard for the Installation of Smoke Alarms
Column 1	2	3	4	5

Dated at Toronto this 4th day of August, 2004.

DIRECTOR, BUILDING AND DEVELOPMENT BRANCH