



**CBHCC**  
Canadian Board for Harmonized  
Construction Codes

National Model Code Committee (**NMCC**)  
on

# Referenced Documents

**AGENDA PACKAGE**

**March 17-18, 2025**

**2030 - 01**

**In-Person Meeting  
Ottawa, ON**

Canadian Board for Harmonized Construction Codes

National Research Council Canada

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

---

**Date:** March 17-18, 2025

**Time:** 8:30 AM - 5:00 PM EDT

**Mode:** **In-person and via Tele/Web-Conference**

**Location for in-person attendance**

Room 118E

Ottawa Conference & Event Centre

200 Coventry Rd, Ottawa, ON K1K 4S3

**Webex-Conference Information**

-----  
To join the online meeting

- 1. Go to <https://canada.webex.com/meet/morched.zeghal>  
2. Enter your name and email address.  
3. Click "Join Meeting".  
-----

To join the teleconference

-----  
Use the Computer audio, or

Use the "Call me" feature, or

Call-in numbers: **1-343-602-2007 Ottawa-Hull**

**1-833-493-2020 Canada (Toll Free)**

Attendee access code: **173 179 2663#**

---

**AGENDA**

<b>Item</b>	<b>SUBJECT</b>	<b>Reference</b>
<b>1.</b>	<b>Opening Remarks</b>	6
<b>2.</b>	<b>Agenda Outline</b>	11
<b>3.</b>	<b>Record of Discussion of Previous Meeting</b>	13
<b>4.</b>	<b>Actions Arising</b>	14
<b>5.</b>	<b>Communication, Correspondence and Coordination</b>	15
	5.1 National Model Code Documents	16
	5.2 Harmonized Code Development Process Operating Procedures	17
	5.3 Memo from the CBHCC	18
<b>6.</b>	<b>Public Review</b>	20

Canadian Board for Harmonized Construction Codes

National Research Council Canada

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

<b>Item</b>	<b>SUBJECT</b>	<b>Reference</b>
	6.1   Fall 2024 Public Review – PCF 2096 on Updates to Currently Referenced Documents	21
<b>7.</b>	<b>Tasks</b>	168
	7.1   Setting Up Task Groups	169
<b>8.</b>	<b>New Business</b>	180
	8.1   Code Change Requests	181
<b>9.</b>	<b>Workplan</b>	422
	9.1   Mandate of the NMCC on Referenced Documents	423
	9.2   Public Review Schedule for the 2030 Code Cycle	428
<b>10.</b>	<b>Other Business</b>	430
<b>11.</b>	<b>Next Meeting</b>	431
<b>12.</b>	<b>Adjournment</b>	433

---

Please do not discard agenda material after the meeting as it will not be reproduced in the record of discussion.

## ABBREVIATIONS

(see also NBC Division A Subsection 1.4.2. and Division B Article 1.3.2.1.)

AEB	Alteration of Existing Buildings
AHJ	Authority Having Jurisdiction
ASHRAE	American Society of Heating, Refrigerating and Air Conditioning Engineers
CA	Committee Action
CBHCC	Canadian Board for Harmonized Construction Codes
CCBFC	Canadian Commission on Building and Fire Codes
CCCME	Canadian Commission on Construction Materials Evaluation
CCMC	Canadian Construction Materials Centre
CCR	Code Change Request
CDS	Code development system
CHBA	Canadian Home Builders Association
COI	Conflict of Interest
CRC	Construction Research Centre
CSA	Canadian Standards Association
CTHCCP	Canadian Table for Harmonized Construction Codes Policy
ECCC	Environment and Climate Change Canada
EOI	Expression of Interest
FPT	Federal/Provincial/Territorial
GHGe	Greenhouse gas emissions
HCDS	Harmonized Code Development System
IA	Impact Analysis
ISO	International Standards Organization
LEED	Leader in Energy and Environmental Design
MOU	Memorandum of Understanding
NBC	National Building Code of Canada
NECB	National Energy Code of Canada for Buildings
NFBC	National Farm Building Code of Canada
NFC	National Fire Code of Canada
NMC	National Model Codes
NMCC	National Model Codes Committee
NMCC-Access	NMCC on Accessibility
NMCC-AEB	NMCC on Harmonization of Alteration of Existing Buildings
NMCC-CCA	NMCC on Climate Change Adaptation
NMCC-CD	NMCC on Climatic Data
NMCC-FLS	NMCC on Fire and Life Safety
NMCC-Hrmzn	NMCC on Harmonization
NMCC-HS	NMCC on Housing Supply
NMCC-IndE	NMCC on Indoor Environment

NMCC-Miti	NMCC on Climate Change Mitigation
NMCC-PBS	NMCC on Performance-Based Solutions
NMCC-RefDocs	NMCC on Referenced Documents
NMCC-SD	NMCC on Seismic Design
NPC	National Plumbing Code
NRC	National Research Council
NRCan	Natural Resources Canada
OP	Operating Procedures
ORD	Other Recognized Documents
PCA	Possible Committee Action
PCF	Proposed Change Form
PR	Public Review
PSPC	Public Services and Procurement Canada
P/T	Provincial/Territorial
SCC	Standards Council of Canada
SCCC	Standing Codes Coordination Committee
SDO	Standards Development Organization
TA	Technical Advisor
TG	Task Group
ToR	Terms of Reference
ULC	Underwriters Laboratories of Canada
WG	Working Group

2030-01

**1.**

# Opening Remarks

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

**1. Opening Remarks**

**Action Requested:**    Decision             Guidance             Information

**Summary**

- Welcome and Chair’s opening remarks.
- Housekeeping (emergency exits, washrooms, break and lunch details).
- Conduct of attendees at meeting. Chair to confirm agreement by all attendees at the beginning of every meeting.
- Disclaimer on the use of chat feature.
- Round of introductions of all participants (members, invited guests, observers and Staff).
- Conflicts of interest should be declared (see excerpts, from the CBHCC’s Operating Procedures, included in the conduct of attendees at meeting).

**In this Agenda Package**

- Conduct of attendees at meeting.
- Disclaimer on the use of chat feature.
- List of members of the NMCC-RefDocs.

**Desired Outcome**

This material is provided for information and action (if need be).

# Conduct of attendees at meeting

---

*Chair to confirm agreement by all attendees at the beginning of every meeting*

The Canadian Board for Harmonized Construction Codes' (CBHCC) Operating Procedures (OPs) outline the procedural rules for our meeting.

## **Conduct of participants**

As a participant in the meeting of the National Model Codes Committee on Referenced Documents, you agree to the code of conduct as outlined in the OPs.

This means—among other things—that you

- act with respect towards all contributors in the Harmonized Code Development System (HCDS);
- follow the principles of consensus-building;
- when suggesting information for consideration, identify yourself and whether you represent an organization, your role in the meeting, the source of any information to be shared and your relationship to the information;
- do not use audio or visual recording equipment during the meeting; and
- participate in the discussion only through the chair.

This also means that the committee chair has the discretion to:

- determine who will be heard;
- request that a person leave the meeting when the individual has become disruptive or if the person fails to identify themselves when asked; and
- modify the agenda to address the circumstances of the disruption.

## **Conflict of interest**

Conflict of interest is a situation, whether real, apparent, or potential, in which a participant has private interests that could influence their participation within the HCDS or in which the participant could use their role in the HCDS for personal gain.

As a participant in the meeting, you must declare any known real, apparent, or potential, conflicts of interest. Subject to National Model Codes Committee agreement, members who have a conflict of interest may participate in National Model Codes Committee and Task Group discussions as observers.

The chair will facilitate fair and balanced discussion of all matters. Members who have a conflict of interest are not permitted to chair discussions related to matters for which they have a conflict.

## **Disclaimer on the Use of Chat Feature**

*Chair to confirm agreement by all attendees at the beginning of every meeting*

Chat feature is for meeting logistics only such as reporting technical difficulties or informing staff of departures. Chat is not monitored for comments or questions which are considered the equivalent to side-bar or table talk and these are strongly discouraged.

It is the Chair's prerogative to acknowledge questions or comments in the chat - and these would only be captured in the minutes at the Chair's request

## Membership of the NMCC on Referenced Documents

<b>Consensus Members</b>			
<b>Member</b>	<b>Membership Category</b>	<b>Affiliation</b>	<b>Province/Territory</b>
Jean-François Côte (Chair)	Industry	SOPREMA	QC
Andrea Doncaster	Industry	Andrea Doncaster Engineering	NS
Barbara Boakyewah	Industry	PLC Fire Safety Engineering	ON
Bill Stamatopoulos	General Interest	Semi-Retiree	ON
Corrado Agnello	General Interest	University of Victoria	BC
Don Casey	Regulatory	City of Mississauga	ON
Ghasan Doudak	General Interest	University of Ottawa	ON
Glenn Stephenson	General Interest	Rotaflow Fire and Utility	AB
Hocine Ait Mohamed	Industry	Paragon Risk Engineering	QC
Jianhui Zhou	General Interest	University of Northern British Columbia	BC
Munawar Khan	Regulatory	City of Winnipeg	MB
Murray Frank	Industry	Constructive Home Solutions Inc.	BC
Paul Wagner	Industry	LRI Engineering Inc.	ON
Robert Baker	General Interest	British Columbia Institute of Technology	BC
Ryan O'Keefe	Regulatory	City of Nanaimo	BC
Sally Remedios	Industry	Semi-Retiree	ON
Sam Steele	General Interest	Humber College	ON
Shawn Moss	General Interest	Concordia University	QC
TBD	FPT Representative		
TBD	FPT Representative		
TBD	FPT Representative		
TBD	FPT Representative		
TBD	FPT Representative		
<b>Non-consensus Members</b>			
<b>Member</b>	<b>Membership Category</b>	<b>Affiliation</b>	<b>Province/Territory</b>
Damian Oliveira	Association Stakeholder	Canadian Wood Council	National
Frank Lohmann	Association Stakeholder	Canadian Home Builders' Association	National
Kevin Wong/ Larry Gill	Association Stakeholder	Canadian Institute of Plumbing & Heating	National
Rae Dulmage	Association Stakeholder	Consumers' Council of Canada	National
Sarah Majlesi	Association Stakeholder	Canadian Institute for Steel Construction	National
Morched Zeghal	NRC Technical Advisor	Codes Canada	National

2030-01

**2.**

# Agenda Outline

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

**2. Agenda Outline**

**Action Requested:**    Decision             Guidance             Information

**Summary**

Participants are to review the agenda outline and propose any needed changes.

**In this Agenda Package**

- Agenda outline.

**Desired Outcome**

The NMCC-RefDocs reviews and develops consensus on the meeting agenda.

2030-01

**3.**

## Record of Discussion of Previous Meeting

2030-01

4.

## Actions Arising

2030-01

**5.**

# Communication, Correspondence and Coordination

## 2030-01 Meeting of the National Model Codes Committee on Referenced Documents

### Agenda Item Summary Sheet

#### 5.1 National Model Code Documents

**Action Requested:**    Decision             Guidance             Information

#### Summary

Complimentary electronic copies of the national model code documents are available on the NRC website, the links for which are given below.

#### In this Agenda Package

- National Building Code of Canada: 2020 [National Building Code of Canada: 2020 - NRC Publications Archive - Canada.ca](#)
- National Fire Code of Canada: 2020 [National Fire Code of Canada: 2020 - NRC Publications Archive - Canada.ca](#)
- National Plumbing Code of Canada: 2020 [National Plumbing Code of Canada: 2020 - NRC Publications Archive - Canada.ca](#)
- National Energy Code of Canada for Buildings: 2020 [National Energy Code of Canada for Buildings: 2020 - NRC Publications Archive - Canada.ca](#)

#### Desired Outcome

This material is provided for information.

## 2030-01 Meeting of the National Model Codes Committee on Referenced Documents

### Agenda Item Summary Sheet

#### 5.2 Harmonized Code Development Process Operating Procedures

**Action Requested:**    Decision             Guidance             Information

#### Summary

As part of the code development process, participants are to familiarize themselves with relevant operating procedures. These operating procedures are available on the Canadian Board for Harmonized Construction Codes (CBHCC) website, the link for which is given below. In addition, Codes Canada staff will provide an overview of the operating procedures at the meeting.

#### In this Agenda Package

- Link to the harmonized code development process operating procedures <https://cbhcc-cchcc.ca/en/operating-procedures-for-the-harmonized-code-development-process/>.

#### Desired Outcome

Participants review and familiarize themselves with the operating procedures.

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

**5.3 Memo from the CBHCC**

**Action Requested:**    Decision             Guidance             Information

**Summary**

The CBHCC provided a memo to the NMCC-RefDocs regarding public review comments on the PCF 2096 – Updates to Currently Referenced Documents.

**In this Agenda Package**

- Memo from the CBHCC.

**Desired Outcome**

This material is provided for information and adherence.



## MEMORANDUM

**DATE** 25 February 2025

**TO** National Model Code Committee on Reference Documents *via Morched Zeghal, Technical Advisor*

**FROM** Canadian Board for Harmonized Construction Codes *via Sefton Hyde-Clarke, Secretary*

**RE:** **Public review comments on PCF 2096**

The CBHCC is clarifying their expectations when considering updates to referenced documents in light of recent public review comments on the impact of the updates in PCF 2096, Updates to Referenced Documents.

The National Model Codes Development System relies on information submitted by standard development organizations for updates to individual documents referenced in the National Model Codes, including the impact of the specific update. During the development of PCF 2096, the (former) standing committees (SC) reviewed this information and recommended which referenced document updates should be sent for public review.

When reviewing public comments, the National Model Codes Committee on Reference Documents should consider any specific concerns about the impact of any individual proposed update to a referenced document on a case-by-case basis. Any new information about the impact of any specific updated reference document, that was not previously considered by the SCs when the PCF was developed, should be taken into consideration when making a recommendation for publication.

2030-01

**6.**

# Public Review

## 2030-01 Meeting of the National Model Codes Committee on Referenced Documents

### Agenda Item Summary Sheet

#### 6.1 Fall 2024 Public Review – PCF 2096 on Updates to Currently Referenced Documents

**Action Requested:**    Decision             Guidance             Information

#### Summary

The proposed updates to the tables of currently referenced documents were posted for the Fall 2024 Public Review (October 21 - December 19, 2024) under the PCF 2096.

#### In this Agenda Package

- PCF 2096.
- Comments received on the PCF 2096 and possible committee actions.

#### Desired Outcome

The NMCC-RefDocs reviews the PCF 2096, public comments and possible committee actions and reaches consensus on a recommendation to the CBHCC to

- approve for publication – with or without editorial revisions;
- approve for publication with technical changes – in this case the NMCC provides justification on why the technical changes should not be subjected to a subsequent public review for the CBHCC’s consideration;
- defer publication pending further development – subject to subsequent public review; or
- withdraw proposed code change – no further development.

## Proposed Change 2096

<b>Code Reference(s):</b>	<b>NBC20 Div.B 1.3.1.2. (first printing), NFC20 Div.B 1.3.1.2. (first printing), NPC20 Div.B 1.3.1.2. (first printing), NECB20 Div.B 1.3.1.2. (first printing)</b>
Subject:	Referenced Documents
Title:	Updates to Referenced Documents

### PROPOSED CHANGE

Please note that corresponding French editions of some updated documents had not yet been published at the time this table was compiled.

Issuing Agency	Document Number	Title of Document	Code Reference
AAMA (American Architectural Manufacturers Association)	501-05	Methods of Test for Exterior Walls	NBC A-5.9.3. CNB A-5.9.3.
AAMA (American Architectural Manufacturers Association)	501.1-05	Standard Test Method for Water Penetration of Windows, Curtain Walls and Doors Using Dynamic Pressure	NBC A-5.9.3. CNB A-5.9.3.
AAMA (American Architectural Manufacturers Association)	501.2-09	Quality Assurance and Diagnostic Water Leakage Field Check of Installed Storefronts, Curtain Walls, and Sloped Glazing Systems	NBC A-5.9.3. CNB A-5.9.3.
AAMA (American Architectural Manufacturers Association)	501.4-09	Recommended Static Test Method for Evaluating Curtain Wall and Storefront Systems Subjected to Seismic and Wind-Induced Inter-Story Drifts	NBC A-5.9.3. CNB A-5.9.3.
AAMA (American Architectural Manufacturers Association)	501.5-07	Test Method for Thermal Cycling of Exterior Walls	NBC A-5.9.3. NBC A-5.9.3.3.(1) CNB A-5.9.3. CNB A-5.9.3.3. 1) NECB 3.2.4.3.(3) CNÉB 3.2.4.3. 3)
AAMA (American Architectural Manufacturers Association)	501.6-09	Recommended Dynamic Test Method for Determining the Seismic Drift Causing Glass Fallout from a Wall System	NBC A-4.1.8.18.(14) and (15) NBC A-5.9.3. CNB A-4.1.8.18. 14) et 15) CNB A-5.9.3.

Issuing Agency	Document Number	Title of Document	Code Reference
ACGIH (American Conference of Governmental Industrial Hygienists)	28th Edition	Industrial Ventilation: A Manual of Recommended Practice for Design	NBC 2.4.2.5.(1) NBC 6.2.1.1.(1) NBC 6.3.2.14.(2) NBC A-6.3.1.5. CNB 2.4.2.5. 1) CNB 6.2.1.1. 1) CNB 6.3.2.14. 2) CNB A-6.3.1.5. NFC A-3.2.7.3.(1)(b) CNPI A-3.2.7.3. 1)b)
ACI (American Concrete Institute)	355.2-19	Qualification of Post-Installed Mechanical Anchors in Concrete (ACI 355.2-19) and Commentary	NBC 4.1.8.18.(7) CNB 4.1.8.18. 7)
ACI (American Concrete Institute)	355.4M-19	Qualification of Post-Installed Adhesive Anchors in Concrete (ACI 355.4M-19) and Commentary	NBC 4.1.8.18.(7) CNB 4.1.8.18. 7)
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	AHRI 310/380-2014/CSA C744-14	Packaged Terminal Air-Conditioners and Heat Pumps	NECB Table 5.2.12.1.G
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	AHRI 310/380-2014/CSA C744-14	Conditionneurs d'air et thermopompes monoblocs	CNÉB Tableau 5.2.12.1.-G
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	ANSI/AHRI 1500 (2015)	Performance Rating of Commercial Space Heating Boilers	NBC Table 9.36.3.10. CNB Tableau 9.36.3.10.
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	ANSI/AHRI 210/240-2008	Performance Rating of Unitary Air-Conditioning and Air-Source Heat Pump Equipment	NBC Table 9.36.3.10. CNB Tableau 9.36.3.10. NECB Table 5.2.12.1.C CNÉB Tableau 5.2.12.1.-C
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	ANSI/AHRI 340/360-2007	Performance Rating of Commercial and Industrial Unitary Air-Conditioning and Heat Pump Equipment	NECB Table 5.2.12.1.A NECB Table 5.2.12.1.C CNÉB Tableau 5.2.12.1.-A CNÉB Tableau 5.2.12.1.-C
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	ANSI/AHRI 366 (SI/2009)	Performance Rating of Commercial and Industrial Unitary Air-Conditioning Condensing Units	NECB Table 5.2.12.1.D CNÉB Tableau 5.2.12.1.-D
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	ANSI/AHRI 460-2005	Performance Rating of Remote Mechanical-Draft Air-Cooled Refrigerant Condensers	NECB Table 5.2.12.2. CNÉB Tableau 5.2.12.2.

Issuing Agency	Document Number	Title of Document	Code Reference
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	ANSI/AHRI 551/591 (SI/2018)	Performance Rating of Water-chilling and Heat Pump Water-heating Packages Using the Vapor Compression Cycle	NECB Table 5.2.12.1.L NECB Table 5.2.12.1.M CNÉB Tableau 5.2.12.1.-L CNÉB Tableau 5.2.12.1.-M
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	ANSI/AHRI 921 (SI/2015)	Performance Rating of DX-Dedicated Outdoor Air System Units	NECB Table 5.2.12.1.J CNÉB Tableau 5.2.12.1.-J
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	CAN/ANSI/AHRI 1330-2015	Performance Rating for Radiant Output of Gas Fired Infrared Heaters	NECB Table 5.2.12.1.P
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	CAN/ANSI/AHRI 1330-2015	Détermination des Caractéristiques de Performance Relatives à la Puissance Rayonnée des Appareils de Chauffage à Infrarouges au Gaz	CNÉB Tableau 5.2.12.1.-P
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	1060 (I-P/2013)	Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment	NBC 9.36.3.8.(4) CNB 9.36.3.8. 4)
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	1061 (SI/2013)	Performance Rating of Air-to-Air Exchangers for Energy Recovery Ventilation Equipment	NECB 5.2.10.1.(5) NECB A-5.2.10.1.(4) CNÉB 5.2.10.1. 5) CNÉB A-5.2.10.1. 4)
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	1160 (I-P/2014)	Performance Rating of Heat Pump Pool Heaters (with Addendum 1)	NECB Table 6.2.2.1. CNÉB Tableau 6.2.2.1.
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	1230-2014	Performance Rating of Variable Refrigerant Flow (VRF) Multi-Split Air-Conditioning and Heat Pump Equipment (with Addendum 1)	NECB Table 5.2.12.1.I CNÉB Tableau 5.2.12.1.-I
AHRI (Air-Conditioning, Heating and Refrigeration Institute)	1361 (SI/2017)	Performance Rating of Computer and Data Processing Room Air Conditioners	NECB Table 5.2.12.1.H CNÉB Tableau 5.2.12.1.-H
ISI (American Iron and Steel Institute)	<del>S201</del> <b>S220-1220</b>	North American Standard for Cold-Formed Steel <b>Nonstructural Framing</b> <del>Product Data 2012</del> <b>2020</b> Edition	NBC 9.24.1.2.(1) CNB 9.24.1.2. 1)
AMCA (Air Movement and Control Association)	ANSI/AMCA 500-D-12	Methods of Testing Dampers for Rating	NECB 5.2.4.2.(2) CNÉB 5.2.4.2. 2)
AMCA (Air Movement and Control Association)	ANSI/AMCA 500-L-12	Methods of Testing Louvers for Rating	NECB 5.2.4.2.(2) CNÉB 5.2.4.2. 2)
ANSI (American National Standards Institute)	A135.6-2012	Engineered Wood Siding	NBC 9.27.9.1.(1) NBC Table 5.9.1.1. CNB 9.27.9.1. 1) CNB Tableau 5.9.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
ANSI (American National Standards Institute)	A208.1-2009	Particleboard	NBC 9.23.15.2.(3) NBC 9.29.9.1.(1) NBC 9.30.2.2.(1) NBC D-3.1.1. CNB 9.23.15.2. 3) CNB 9.29.9.1. 1) CNB 9.30.2.2. 1) CNB D-3.1.1.
ANSI (American National Standards Institute)/CSA (Canadian Standards Association)	ANSI Z21.10.3-2017/CSA 4.3-2017	Gas-fired water heaters, volume III, storage water heaters with input ratings above 75,000 Btu per hour, circulating and instantaneous	NBC Table 9.36.4.2. CNB Tableau 9.36.4.2. NECB Table 6.2.2.1. CNÉB Tableau 6.2.2.1.
ANSI (American National Standards Institute)/CSA (Canadian Standards Association)	ANSI Z21.22-2015/CSA 4.4-2015	Relief Valves For Hot Water Supply Systems	NPC 2.2.10.11.(1) CNP 2.2.10.11. 1)
ANSI (American National Standards Institute)/CSA (Canadian Standards Association)	ANSI Z21.47-2016/CSA 2.3-2016	Gas-fired central furnaces	NBC Table 9.36.3.10. CNB Tableau 9.36.3.10. NECB Table 5.2.12.1.O CNÉB Tableau 5.2.12.1.-O
ANSI (American National Standards Institute)/CSA (Canadian Standards Association)	ANSI Z21.50-2016/CSA 2.22-2016	Vented decorative gas appliances	NBC Table 9.36.3.10. CNB Tableau 9.36.3.10.
ANSI (American National Standards Institute)/CSA (Canadian Standards Association)	ANSI Z21.56-2017/CSA 4.7-2017	Gas-fired pool heaters	NBC Table 9.36.4.2. CNB Tableau 9.36.4.2. NECB Table 6.2.2.1. CNÉB Tableau 6.2.2.1.
ANSI (American National Standards Institute)/CSA (Canadian Standards Association)	ANSI Z83.8-2016/CSA 2.6-2016	Gas unit heaters, gas packaged heaters, gas utility heaters and gas-fired duct furnaces	NBC Table 9.36.3.10. CNB Tableau 9.36.3.10. NECB Table 5.2.12.1.O CNÉB Tableau 5.2.12.1.-O
APA (APA - The Engineered Wood Association)	ANSI/APA PRG 320-2018	Standard for Performance-Rated Cross-Laminated Timber	NBC 3.1.6.3.(3) CNB 3.1.6.3. 3)
API (American Petroleum Institute)	RP 1604 (1996)	Closure of Underground Petroleum Storage Tanks	NFC A-4.3.16.1.(1) CNPI A-4.3.16.1. 1)
API (American Petroleum Institute)	RP 2003 (2008)	Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents	NFC A-4.7.4.5. CNPI A-4.7.4.5.

Issuing Agency	Document Number	Title of Document	Code Reference
API (American Petroleum Institute)	RP 2009 (2002)	Safe Welding, Cutting and Hot Work Practices in the Petroleum and Petrochemical Industries	NFC A-5.2.3.4.(1)(b) CNPI A-5.2.3.4. 1)b)
API (American Petroleum Institute)	RP 2200 (2010)	Repairing Crude Oil, Liquefied Petroleum Gas, and Product Pipelines	NFC A-4.5.10.7.(6) CNPI A-4.5.10.7. 6)
API (American Petroleum Institute)	RP 2201 (2003)	Safe Hot Tapping Practices in the Petroleum and Petrochemical Industries	NFC A-4.5.10.7.(6) NFC A-5.2.3.4.(1)(b) CNPI A-4.5.10.7. 6) CNPI A-5.2.3.4. 1)b)
API (American Petroleum Institute)	RP 2207 (2007)	Preparing Tank Bottoms for Hot Work	NFC A-5.2.3.4.(1)(b) CNPI A-5.2.3.4. 1)b)
API (American Petroleum Institute)	SPEC 12B (2008)	Specification for Bolted Tanks for Storage of Production Liquids	NFC 4.3.1.2.(1) NFC A-4.3.1.2.(2)(b) CNPI 4.3.1.2. 1) CNPI A-4.3.1.2. 2)b)
API (American Petroleum Institute)	SPEC 12D (2008)	Specification for Field Welded Tanks for Storage of Production Liquids	NFC 4.3.1.2.(1) NFC A-4.3.1.2.(2)(b) CNPI 4.3.1.2. 1) CNPI A-4.3.1.2. 2)b)
API (American Petroleum Institute)	SPEC 12F (2008)	Specification for Shop Welded Tanks for Storage of Production Liquids	NFC 4.3.1.2.(1) NFC A-4.3.1.2.(2)(b) CNPI 4.3.1.2. 1) CNPI A-4.3.1.2. 2)b)
API (American Petroleum Institute)	SPEC 5L (2012)	Line Pipe	NFC 4.5.2.1.(4) CNPI 4.5.2.1. 4)
API (American Petroleum Institute)	STD 1104 (2013)	Welding of Pipelines and Related Facilities	NFC 4.5.5.2.(1) NFC A-4.5.10.7.(6) CNPI 4.5.5.2. 1) CNPI A-4.5.10.7. 6)
API (American Petroleum Institute)	STD 2000 (2009)	Venting Atmospheric and Low-Pressure Storage Tanks	NFC 4.3.1.2.(2) NFC 4.3.4.1.(1) NFC A-4.3.13.10.(1) CNPI 4.3.1.2. 2) CNPI 4.3.4.1. 1) CNPI A-4.3.13.10. 1)
API (American Petroleum Institute)	STD 2015 (2001)	Requirements for Safe Entry and Cleaning of Petroleum Storage Tanks, Planning and Managing Tank Entry From Decommissioning Through Recommissioning	NFC A-5.2.3.4.(1)(b) CNPI A-5.2.3.4. 1)b)
API (American Petroleum Institute)	STD 620 (2013)	Design and Construction of Large, Welded, Low-Pressure Storage Tanks	NFC 4.3.1.3.(1) CNPI 4.3.1.3. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
API (American Petroleum Institute)	STD 650 (2013)	Welded Tanks for Oil Storage	NFC 4.3.1.2.(1) CNPI 4.3.1.2. 1)
API (American Petroleum Institute)	STD 653 (2009)	Tank Inspection, Repair, Alteration, and Reconstruction	NFC 4.3.1.10.(2) NFC Table 4.4.1.2.B CNPI 4.3.1.10. 2) CNPI Tableau 4.4.1.2.B
ARPM (Association for Rubber Products Manufacturers)	IP-2-2014	Hose Handbook	NFC A-4.8.8.1.(1)(a) CNPI A-4.8.8.1. 1)a)
ASABE (American Society of Agricultural and Biological Engineers)	ANSI/ASABE AD11684:1995	Tractors, machinery for agricultural and forestry, powered lawn and garden equipment — Safety signs and hazard pictorials — General principles	NFC A-2.14.2. CNPI A-2.14.2.
ASCE (American Society of Civil Engineers)	ASCE/SEI (49-12)	Wind Tunnel Testing for Buildings and Other Structures	NBC 4.1.7.14.(1) CNB 4.1.7.14. 1)
ASCE (American Society of Civil Engineers)	ASCE/SEI (7-10)	Minimum Design Loads for Buildings and Other Structures	NBC A-4.1.8.18.(14) and (15) NBC A-9.4.2.1. and 9.4.2.2. CNB A-4.1.8.18. 14) et 15) CNB A-9.4.2.1. et 9.4.2.2.
ASCE (American Society of Civil Engineers)	ASCE/SEI (8-02)	Specification for the Design of Cold-Formed Stainless Steel Structural Members	NBC A-4.3.4.2.(1) CNB A-4.3.4.2. 1)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	ANSI/ASHRAE 111-2008	Testing, Adjusting, and Balancing of Building HVAC Systems	NECB A-5.2.5.2.(1) CNÉB A-5.2.5.2. 1)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	ANSI/ASHRAE 140- <del>2011</del> 2023	<del>Standard</del> Method of Test for <del>the Evaluation of</del> Evaluating Building <del>Energy Performance Analysis Simulation Computer Programs</del> Software	NECB 8.4.2.2.(4) CNÉB 8.4.2.2. 4)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	ANSI/ASHRAE 140-2011	Standard Method of Test for the Evaluation of Building Energy Analysis Computer Programs	NBC 9.36.5.4.(8) CNB 9.36.5.4. 8)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	ANSI/ASHRAE 188-2015	Legionellosis: Risk Management for Building Water Systems	NBC A-6.2.1.1. CNB A-6.2.1.1.
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	ANSI/ASHRAE 55-2013	Thermal Environmental Conditions for Human Occupancy	NECB A-5.2.8.3.(1) CNÉB A-5.2.8.3. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	ANSI/ASHRAE 62.1-2016	Ventilation for Acceptable Indoor Air Quality	NBC 6.3.1.1.(2) NBC 6.3.1.1.(3) NBC 6.3.2.2.(1) CNB 6.3.1.1. 2) CNB 6.3.1.1. 3) CNB 6.3.2.2. 1) NECB A-5.2.3.4.(1) CNÉB A-5.2.3.4. 1)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	ANSI/ASHRAE 62-2001	Ventilation for Acceptable Indoor Air Quality (except Addendum n)	NBC A-9.25.5.2.
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	ANSI/ASHRAE 62-2001	Ventilation for Acceptable Indoor Air Quality (sauf l'addenda n)	CNB A-9.25.5.2.
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	ANSI/ASHRAE 84-2013	Method of Testing Air-to-Air Heat/Energy Exchangers	NECB 5.2.10.1.(5) CNÉB 5.2.10.1. 5)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	Guideline 12-2000	Minimizing the Risk of Legionellosis Associated with Building Water Systems	NBC 6.2.1.1.(1) NBC 6.3.2.15.(9) NBC 6.3.2.16.(1) CNB 6.2.1.1. 1) CNB 6.3.2.15. 9) CNB 6.3.2.16. 1)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	RP-1365-2011	Thermal Performance of Building Envelope Details for Mid- and High-Rise Buildings	NECB A-3.1.1.5.(5)(a) CNÉB A-3.1.1.5. 5)a)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	1997	ASHRAE Handbook - Fundamentals	NBC A-9.32.3.11. CNB A-9.32.3.11.
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	2011	ASHRAE Handbook - HVAC Applications	NBC A-2.4.2.1.(1) CNB A-2.4.2.1. 1) NPC A-2.6.3.1.(2) CNP A-2.6.3.1. 2) NECB A-6.2.4.1.(1) CNÉB A-6.2.4.1. 1)
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)	2013	ASHRAE Handbook - Fundamentals	NBC A-9.36.2.4.(1) NBC Table A-9.36.2.4.(1)D CNB A-9.36.2.4. 1) CNB Tableau A-9.36.2.4. 1)D NPC A-2.6.3.1.(2) CNP A-2.6.3.1. 2) NECB 3.1.1.5.(4) NECB 3.1.1.5.(5) NECB A-8.4.4.4.(1) CNÉB 3.1.1.5. 4) CNÉB 3.1.1.5. 5) CNÉB A-8.4.4.4. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)/IES (Illuminating Engineering Society)	ANSI/ASHRAE/IES 90.1-2013	Energy Standard for Buildings Except Low-Rise Residential Buildings	NECB A-5.2.3.4.(2) NECB A-Table 3.2.2.2. CNÉB A-5.2.3.4. 2) CNÉB A-Tableau 3.2.2.2.
ASHRAE (American Society of Heating, Refrigerating and Air-Conditioning Engineers)/IES (Illuminating Engineering Society)	90.1-2013	User's Manual	NECB A-5.2.10.1.(4) NECB A-5.2.10.4.(5) NECB A-6.2.3.1.(1) CNÉB A-5.2.10.1. 4) CNÉB A-5.2.10.4. 5) CNÉB A-6.2.3.1. 1)
ASME (American Society of Mechanical Engineers)	BPVC- <del>2017</del> 2023	Boiler and Pressure Vessel Code	NFC 4.3.1.3.(1) NFC 4.5.9.5.(2) NFC 4.5.9.6.(1) CNPI 4.3.1.3. 1) CNPI 4.5.9.5. 2) CNPI 4.5.9.6. 1)
ASME (American Society of Mechanical Engineers)	B16.12-2009	Cast Iron Threaded Drainage Fittings	NPC 2.2.6.3.(1) CNP 2.2.6.3. 1)
ASME (American Society of Mechanical Engineers)	B16.15-2018	Cast Copper Alloy Threaded Fittings: Classes 125 and 250	NPC 2.2.7.3.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.7.3. 1) CNP A-2.2.5. à 2.2.8.
ASME (American Society of Mechanical Engineers)	B16.18-2018	Cast Copper Alloy Solder-Joint Pressure Fittings	NPC 2.2.7.6.(1) NPC 2.2.7.6.(2) NPC A-2.2.5. to 2.2.8. CNP 2.2.7.6. 1) CNP 2.2.7.6. 2) CNP A-2.2.5. à 2.2.8.
ASME (American Society of Mechanical Engineers)	B16.22-2018	Wrought Copper and Copper Alloy Solder-Joint Pressure Fittings	NPC 2.2.7.6.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.7.6. 1) CNP A-2.2.5. à 2.2.8.
ASME (American Society of Mechanical Engineers)	B16.23- <del>2016</del> 2021	Cast Copper Alloy Solder Joint Drainage Fittings: DWV	NPC 2.2.7.5.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.7.5. 1) CNP A-2.2.5. à 2.2.8.
ASME (American Society of Mechanical Engineers)	B16.24- <del>2016</del> 2021	Cast Copper Alloy Pipe Flanges, Flanged Fittings, and Valves: Classes 150, 300, 600, 900, 1500, and 2500	NPC 2.2.7.2.(1) CNP 2.2.7.2. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
ASME (American Society of Mechanical Engineers)	B16.26-2018	Cast Copper Alloy Fittings for Flared Copper Tubes	NPC 2.2.7.7.(1) NPC 2.2.7.7.(2) CNP 2.2.7.7. 1) CNP 2.2.7.7. 2)
ASME (American Society of Mechanical Engineers)	B16.29- <del>2017</del> 2022	Wrought Copper and Wrought Copper Alloy Solder-Joint Drainage Fittings – DWV	NPC 2.2.7.5.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.7.5. 1) CNP A-2.2.5. à 2.2.8.
ASME (American Society of Mechanical Engineers)	B16.3-2016	Malleable Iron Threaded Fittings: Classes 150 and 300	NPC 2.2.6.6.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.6.6. 1) CNP A-2.2.5. à 2.2.8.
ASME (American Society of Mechanical Engineers)	B16.4-2016	Gray Iron Threaded Fittings: Classes 125 and 250	NPC 2.2.6.5.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.6.5. 1) CNP A-2.2.5. à 2.2.8.
ASME (American Society of Mechanical Engineers)	B16.5-2017	Pipe Flanges and Flanged Fittings: NPS ½ through NPS 24 Metric/Inch Standard	NFC 4.5.5.3.(1) CNPI 4.5.5.3. 1) NPC 2.2.6.12.(1) CNP 2.2.6.12. 1)
ASME (American Society of Mechanical Engineers)	B16.9-2018	Factory-Made Wrought Buttwelding Fittings	NPC 2.2.6.11.(1) NPC 2.2.6.14.(1) CNP 2.2.6.11. 1) CNP 2.2.6.14. 1)
ASME (American Society of Mechanical Engineers)	B18.6.1-1981	Wood Screws (Inch Series)	NBC 9.23.3.1.(3) NBC A-9.23.3.1.(3) NBC Table 5.9.1.1. CNB 9.23.3.1. 3) CNB A-9.23.3.1. 3) CNB Tableau 5.9.1.1.
ASME (American Society of Mechanical Engineers)	B31.3- <del>2016</del> 2022	Process Piping	NFC 4.5.2.1.(5) CNPI 4.5.2.1. 5)
ASME (American Society of Mechanical Engineers)	B31.9-2017	Building Services Piping	NPC 2.3.2.8.(1) CNP 2.3.2.8. 1)
ASME (American Society of Mechanical Engineers)	B36. <del>19M19-2018</del> 2022	<b>Welded and Seamless Wrought Stainless Steel Pipe</b>	NPC 2.2.6.10.(1) CNP 2.2.6.10. 1)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.18.1-2018/CSA B125.1-18	Plumbing Supply Fittings	NPC 2.2.10.6.(1) NPC 2.2.10.7.(1) CNP 2.2.10.6. 1) CNP 2.2.10.7. 1) NECB 6.2.6.1.(1) NECB 6.2.6.2.(1) CNÉB 6.2.6.1. 1) CNÉB 6.2.6.2. 1)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.18.2-2015/CSA B125.2-15	Plumbing Waste Fittings	NPC 2.2.10.6.(6) NPC 2.2.3.3.(1) CNP 2.2.10.6. 6) CNP 2.2.3.3. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.18.6-2017/CSA B125.6-17	Flexible water connectors	NPC 2.2.10.18.(1) CNP 2.2.10.18. 1)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.19.1- <del>2018</del> <b>2024</b> /CSA B45.2- <del>18:24</del>	Enamelled <del>Castcast Ironiron</del> and <del>Enamelledenamelled Steelsteel</del> <b>Plumbingplumbing</b> <b>Fixturesfixtures</b>	NPC 2.2.2.2.(1) CNP 2.2.2.2. 1)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.19.2-2018/CSA B45.1-18	Ceramic Plumbing Fixtures	NPC 2.2.2.2.(1) CNP 2.2.2.2. 1)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.19.3- <del>2017</del> <b>2022</b> /CSA B45.4- <del>17:22</del>	Stainless <del>Steelsteel</del> <b>Plumbingplumbing</b> <b>Fixturesfixtures</b>	NPC 2.2.2.2.(1) CNP 2.2.2.2. 1)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.19.7-2012/CSA B45.10-12	Hydromassage Bathtub Systems	NPC 2.2.2.2.(1) CNP 2.2.2.2. 1)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.3.4-2018/CSA B45.9-18	Macerating Toilet Systems and Waste-Pumping Systems for Plumbing Fixtures	NPC 2.2.2.2.(1) CNP 2.2.2.2. 1)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.4.14- <del>2017</del> <b>2022</b> /CSA B125.14- <del>17:22</del>	Manually <del>Operatedor</del> <b>Valvesautomatically operated valves</b> for <del>Useuse</del> in <b>Plumbingplumbing</b> <b>Systemssystem</b> s	NPC 2.2.10.6.(7) CNP 2.2.10.6. 7)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A112.4.2- <del>2015</del> <b>2021</b> /CSA B45.16- <del>15:21</del>	Personal hygiene devices for water closets	NPC 2.2.2.2.(1) CNP 2.2.2.2. 1)
ASME (American Society of Mechanical Engineers)/CSA (Canadian Standards Association)	ASME A17.1- <del>2016</del> <b>2022</b> /CSA B44- <del>1622</del>	Safety Code for Elevators and Escalators	NBC 3.2.6.7.(2) NBC 3.5.2.1.(1) NBC 3.5.2.1.(2) NBC 3.5.2.1.(3) NBC 3.5.4.1.(2) NBC 3.5.4.2.(1) NBC A-3.5.2.1.(1) NBC Table 4.1.5.11. NBC Table 4.1.8.18. NFC 7.2.2.1.(2)
ASME (American Society of Mechanical Engineers)/CSA (Association canadienne de normalisation/Canadian Standards Association)	ASME A17.1- <del>2016</del> <b>2022</b> /CSA B44- <del>1622</del>	<b>Safety</b> Code <del>de</del> <b>for</b> <del>sécurité</del> <b>Elevators surand les ascenseurs ou monte-charges et les escaliers</b> <b>mécaniquesEscalators</b>	CNB 3.2.6.7. 2) CNB 3.5.2.1. 1) CNB 3.5.2.1. 2) CNB 3.5.2.1. 3) CNB 3.5.4.1. 2) CNB 3.5.4.2. 1) CNB A-3.5.2.1. 1) CNB Tableau 4.1.5.11. CNB Tableau 4.1.8.18. CNPI 7.2.2.1. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
ASPE (American Society of Plumbing Engineers)	2010	Plumbing Engineering Design Handbook, Volume 2	NPC A-2.6.3.1.(2) CNP A-2.6.3.1. 2)
ASPE (American Society of Plumbing Engineers)	<del>2012</del> 2016	Plumbing Engineering Design Handbook, <del>Volume 4, Chapter 8, Grease Interceptors</del>	NPC A-2.4.4.3.(1) CNP A-2.4.4.3. 1)
ASPE (American Society of Plumbing Engineers)/ANSI (American National Standards Institute)	63-2013	Rainwater Catchment Systems	NPC A-2.7.2.4.(1) CNP A-2.7.2.4. 1)
ASSE (American Society of Sanitary Engineering)	ANSI/ASSE 1010-2004	Water Hammer Arresters	NPC 2.2.10.15.(1) CNP 2.2.10.15. 1)
ASSE (American Society of Sanitary Engineering)	1051-2009	Individual and Branch Type Air Admittance Valves for Sanitary Drainage Systems	NPC 2.2.10.16.(1) CNP 2.2.10.16. 1)
ASSE (American Society of Sanitary Engineering)/CSA (Canadian Standards Association)	ASSE 1002- <del>2015</del> 2020/ASME A112.1002- <del>2015</del> 2020/CSA B125.12- <del>15</del> 20	Anti-siphon fill valves for water closet tanks	NPC 2.2.10.10.(2) CNP 2.2.10.10. 2)
ASSE (American Society of Sanitary Engineering)/CSA (Canadian Standards Association)	ASSE 1016-2017/ASME A112.1016-2017/CSA B125.16-17	Performance Requirements for Automatic Compensating Valves for Individual Showers and Tub/Shower Combinations	NPC 2.2.10.7.(1) NPC A-2.2.10.6.(3) CNP 2.2.10.7. 1) CNP A-2.2.10.6. 3)
ASSE (American Society of Sanitary Engineering)/CSA (Canadian Standards Association)	ASSE 1037- <del>2015</del> 2020/ASME A112.1037- <del>2015</del> 2020/CSA B125.37- <del>15</del> 20	Performance requirements for pressurized flushing devices for plumbing fixtures	NPC 2.2.10.8.(1) CNP 2.2.10.8. 1)
ASSE (American Society of Sanitary Engineering)/CSA (Canadian Standards Association)	ASSE 1070- <del>2015</del> 2020/ASME A112.1070- <del>2015</del> 2020/CSA B125.70- <del>15</del> 20	Performance requirements for water temperature limiting devices	NPC 2.2.10.7.(2) CNP 2.2.10.7. 2)
ASTM (American Society for Testing and Materials International)	A1008/A1008M-18	Standard Specification for Steel, Sheet, Cold-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, Solution Hardened, and Bake Hardenable	NBC 4.2.3.8.(1) CNB 4.2.3.8. 1)
ASTM (American Society for Testing and Materials International)	A1011/A1011M-18a	Standard Specification for Steel, Sheet and Strip, Hot-Rolled, Carbon, Structural, High-Strength Low-Alloy, High-Strength Low-Alloy with Improved Formability, and Ultra-High Strength	NBC 4.2.3.8.(1) CNB 4.2.3.8. 1)
ASTM (American Society for Testing and Materials International)	A123/A123M-17	Standard Specification for Zinc (Hot-Dip Galvanized) Coatings on Iron and Steel Products	NBC Table 5.9.1.1. NBC Table 9.20.16.1. CNB Tableau 5.9.1.1. CNB Tableau 9.20.16.1.

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	A153/A153M-16a	Standard Specification for Zinc Coating (Hot-Dip) on Iron and Steel Hardware	NBC 9.23.2.4.(2) NBC Table 5.9.1.1. NBC Table 9.20.16.1. CNB 9.23.2.4. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.20.16.1.
ASTM (American Society for Testing and Materials International)	A182/A182M-19	Standard Specification for Forged or Rolled Alloy and Stainless Steel Pipe Flanges, Forged Fittings, and Valves and Parts for High-Temperature Service	NPC 2.2.6.12.(1) NPC 2.2.6.13.(1) CNP 2.2.6.12. 1) CNP 2.2.6.13. 1)
ASTM (American Society for Testing and Materials International)	A193/A193M-17	Standard Specification for Alloy-Steel and Stainless Steel Bolting for High Temperature or High Pressure Service and Other Special Purpose Applications	NFC 4.5.5.4.(1) CNPI 4.5.5.4. 1)
ASTM (American Society for Testing and Materials International)	A252-10	Standard Specification for Welded and Seamless Steel Pipe Piles	NBC 4.2.3.8.(1) CNB 4.2.3.8. 1)
ASTM (American Society for Testing and Materials International)	A269/A269M-15a	Standard Specification for Seamless and Welded Austenitic Stainless Steel Tubing for General Service	NPC 2.2.6.14.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.6.14. 1) CNP A-2.2.5. à 2.2.8.
ASTM (American Society for Testing and Materials International)	A283/A283M-18	Standard Specification for Low and Intermediate Tensile Strength Carbon Steel Plates	NBC 4.2.3.8.(1) CNB 4.2.3.8. 1)
ASTM (American Society for Testing and Materials International)	A312/A312M-18a	Standard Specification for Seamless, Welded, and Heavily Cold Worked Austenitic Stainless Steel Pipes	NPC 2.2.6.10.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.6.10. 1) CNP A-2.2.5. à 2.2.8.
ASTM (American Society for Testing and Materials International)	A351/A351M-18	Standard Specification for Castings, Austenitic, for Pressure-Containing Parts	NPC 2.2.6.13.(1) CNP 2.2.6.13. 1)
ASTM (American Society for Testing and Materials International)	A390-06	Standard Specification for Zinc-Coated (Galvanized) Steel Poultry Fence Fabric (Hexagonal and Straight Line)	NBC Table 9.10.3.1.-B CNB Tableau 9.10.3.1.-B
ASTM (American Society for Testing and Materials International)	A403/A403M-1922b	Standard Specification for Wrought Austenitic Stainless Steel Piping Fittings	NPC 2.2.6.11.(1) CNP 2.2.6.11. 1)
ASTM (American Society for Testing and Materials International)	A518/A518M-99	Standard Specification for Corrosion-Resistant High-Silicon Iron Castings	NPC 2.2.8.1.(1) CNP 2.2.8.1. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	A53/A53M-1822	Standard Specification for Pipe, Steel, Black and Hot-Dipped, Zinc-Coated, Welded and Seamless	NFC 4.5.2.1.(4) CNPI 4.5.2.1. 4) NPC 2.2.6.7.(4) NPC A-2.2.5. to 2.2.8. CNP 2.2.6.7. 4) CNP A-2.2.5. à 2.2.8.
ASTM (American Society for Testing and Materials International)	A653/A653M-1822	Standard Specification for Steel Sheet, Zinc-Coated (Galvanized) or Zinc-Iron Alloy-Coated (Galvannealed) by the Hot-Dip Process	NBC 9.23.2.4.(1) NBC 9.3.3.2.(1) NBC Table 5.9.1.1. CNB 9.23.2.4. 1) CNB 9.3.3.2. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	A792/A792M-1022	Standard Specification for Steel Sheet, 55% Aluminum-Zinc Alloy-Coated by the Hot-Dip Process	NBC 9.3.3.2.(1) CNB 9.3.3.2. 1)
ASTM (American Society for Testing and Materials International)	B306-13	Standard Specification for Copper Drainage Tube (DWV)	NPC 2.2.7.4.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.7.4. 1) CNP A-2.2.5. à 2.2.8.
ASTM (American Society for Testing and Materials International)	B32-08	Standard Specification for Solder Metal	NPC 2.2.9.2.(1) CNP 2.2.9.2. 1)
ASTM (American Society for Testing and Materials International)	B42-15a	Standard Specification for Seamless Copper Pipe, Standard Sizes	NPC 2.2.7.1.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.7.1. 1) CNP A-2.2.5. à 2.2.8.
ASTM (American Society for Testing and Materials International)	B43-15	Standard Specification for Seamless Red Brass Pipe, Standard Sizes	NPC 2.2.7.1.(2) NPC A-2.2.5. to 2.2.8. CNP 2.2.7.1. 2) CNP A-2.2.5. à 2.2.8.
ASTM (American Society for Testing and Materials International)	B813-16	Standard Specification for Liquid and Paste Fluxes for Soldering of Copper and Copper Alloy Tube	NPC 2.2.9.2.(3) CNP 2.2.9.2. 3)
ASTM (American Society for Testing and Materials International)	B828-16	Standard Specification for Making Capillary Joints by Soldering of Copper and Copper Alloy Tube and Fittings	NPC 2.3.2.4.(1) CNP 2.3.2.4. 1)
ASTM (American Society for Testing and Materials International)	B88-1622	Standard Specification for Seamless Copper Water Tube	NPC 2.2.7.4.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.7.4. 1) CNP A-2.2.5. à 2.2.8.

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	C1002-07	Standard Specification for Steel Self-Piercing Tapping Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Wood Studs or Steel Studs	NBC 9.24.1.4.(1) NBC 9.29.5.7.(1) NBC Table 5.9.1.1. CNB 9.24.1.4. 1) CNB 9.29.5.7. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C1053-00	Standard Specification for Borosilicate Glass Pipe and Fittings for Drain, Waste, and Vent (DWV) Applications	NPC 2.2.8.1.(1) CNP 2.2.8.1. 1)
ASTM (American Society for Testing and Materials International)	C1055-03	Standard Guide for Heated System Surface Conditions that Produce Contact Burn Injuries	NBC A-6.5.1.1.(3) CNB A-6.5.1.1. 3)
ASTM (American Society for Testing and Materials International)	C1177/C1177M-17	Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing	NBC 3.1.5.14.(6) NBC 3.1.5.15.(4) NBC A-9.27.14.2.(2)(a) NBC Table 5.9.1.1. NBC Table 9.23.17.2.A CNB 3.1.5.14. 6) CNB 3.1.5.15. 4) CNB A-9.27.14.2. 2)a) CNB Tableau 5.9.1.1. CNB Tableau 9.23.17.2.A
ASTM (American Society for Testing and Materials International)	C1178/C1178M-18	Standard Specification for Coated Glass Mat Water-Resistant Gypsum Backing Panel	NBC 3.1.5.14.(6) NBC 3.1.5.15.(4) NBC 9.29.5.2.(1) NBC Table 5.9.1.1. CNB 3.1.5.14. 6) CNB 3.1.5.15. 4) CNB 9.29.5.2. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C1184-18e1	Standard Specification for Structural Silicone Sealants	NBC 9.27.4.2.(2) NBC Table 5.9.1.1. CNB 9.27.4.2. 2) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C1193-16	Standard Specification for Use of Joint Sealants	NBC A-9.27.4.2.(1) NBC A-Table 5.9.1.1. CNB A-9.27.4.2. 1) CNB A-Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C126-13	Ceramic Glazed Structural Clay Facing Tile, Facing Brick, and Solid Masonry Units	NBC 9.20.2.1.(1) NBC Table 5.9.1.1. CNB 9.20.2.1. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C1280-13	Standard Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing	NBC Table 5.9.1.1. CNB Tableau 5.9.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	C1299-03	Standard Guide for Use in Selection of Liquid-Applied Sealants	NBC A-9.27.4.2.(1) CNB A-9.27.4.2. 1)
ASTM (American Society for Testing and Materials International)	C1311-14	Standard Specification for Solvent Release Sealants	NBC 9.27.4.2.(2) NBC Table 5.9.1.1. CNB 9.27.4.2. 2) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C1330-18	Standard Specification for Cylindrical Sealant Backing for Use with Cold Liquid-Applied Sealants	NBC 9.27.4.2.(3) NBC Table 5.9.1.1. CNB 9.27.4.2. 3) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C1363-11	Standard Test Method for Thermal Performance of Building Materials and Envelope Assemblies by Means of a Hot Box Apparatus	NBC 9.36.2.2.(4) NBC A-5.9.4.1.(1) CNB 9.36.2.2. 4) CNB A-5.9.4.1. 1) NECB 3.1.1.5.(4) NECB 3.1.1.5.(5) CNÉB 3.1.1.5. 4) CNÉB 3.1.1.5. 5)
ASTM (American Society for Testing and Materials International)	C1396/C1396M-17	Standard Specification for Gypsum Board	NBC 3.1.5.14.(6) NBC 3.1.5.15.(4) NBC 3.1.6.15.(1) NBC 3.1.6.6.(2) NBC 9.29.5.2.(1) NBC D-1.5.1. NBC D-3.1.1. NBC Table 5.9.1.1. NBC Table 9.23.17.2.A NBC Table 9.29.5.3. CNB 3.1.5.14. 6) CNB 3.1.5.15. 4) CNB 3.1.6.15. 1) CNB 3.1.6.6. 2) CNB 9.29.5.2. 1) CNB D-1.5.1. CNB D-3.1.1. CNB Tableau 5.9.1.1. CNB Tableau 9.23.17.2.A CNB Tableau 9.29.5.3.
ASTM (American Society for Testing and Materials International)	C1472-16	Standard Guide for Calculating Movement and Other Effects When Establishing Sealant Joint Width	NBC A-9.27.4.2.(1) NBC A-Table 5.9.1.1. CNB A-9.27.4.2. 1) CNB A-Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C1658/C1658M-18	Standard Specification for Glass Mat Gypsum Panels	NBC 3.1.5.14.(6) NBC Table 5.9.1.1. CNB 3.1.5.14. 6) CNB Tableau 5.9.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	C177-19	Standard Test Method for Steady-State Heat Flux Measurements and Thermal Transmission Properties by Means of the Guarded-Hot-Plate Apparatus	NBC 9.36.2.2.(1) CNB 9.36.2.2. 1) NECB 3.1.1.5.(1) CNÉB 3.1.1.5. 1)
ASTM (American Society for Testing and Materials International)	C212-17	Standard Specification for Structural Clay Facing Tile	NBC 9.20.2.1.(1) NBC Table 5.9.1.1. CNB 9.20.2.1. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C260/C260M-10a	Standard Specification for Air-Entraining Admixtures for Concrete	NBC 9.3.1.8.(1) CNB 9.3.1.8. 1)
ASTM (American Society for Testing and Materials International)	C27-98	Standard Classification of Fireclay and High-Alumina Refractory Brick	NBC 9.21.3.4.(1) CNB 9.21.3.4. 1)
ASTM (American Society for Testing and Materials International)	C330/C330M-17	Standard Specification for Lightweight Aggregates for Structural Concrete	NBC D-1.4.3. CNB D-1.4.3.
ASTM (American Society for Testing and Materials International)	C335/C335M-17	Standard Test Method for Steady-State Heat Transfer Properties of Pipe Insulation	NECB 5.2.5.3.(6) NECB 6.2.3.1.(4) CNÉB 5.2.5.3. 6) CNÉB 6.2.3.1. 4)
ASTM (American Society for Testing and Materials International)	C4-04	Standard Specification for Clay Drain Tile and Perforated Clay Drain Tile	NBC 9.14.3.1.(1) NBC Table 5.9.1.1. CNB 9.14.3.1. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C411-19	Standard Specification for Hot-Surface Performance of High-Temperature Thermal Insulation	NBC 3.6.5.4.(4) NBC 3.6.5.5.(1) NBC 9.33.6.4.(4) NBC 9.33.8.2.(2) CNB 3.6.5.4. 4) CNB 3.6.5.5. 1) CNB 9.33.6.4. 4) CNB 9.33.8.2. 2)
ASTM (American Society for Testing and Materials International)	C412M-15	Standard Specification for Concrete Drain Tile	NBC 9.14.3.1.(1) NBC Table 5.9.1.1. CNB 9.14.3.1. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C444M-17	Standard Specification for Perforated Concrete Pipe	NBC 9.14.3.1.(1) NBC Table 5.9.1.1. CNB 9.14.3.1. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C494/C494M- <del>17</del> 19e1	Standard Specification for Chemical Admixtures for Concrete	NBC 9.3.1.8.(1) CNB 9.3.1.8. 1)
ASTM (American Society for Testing and Materials International)	C516-08e1	Standard Specification for Vermiculite Loose Fill Thermal Insulation	NBC A-9.25.2.4.(5) CNB A-9.25.2.4. 5)

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	C518-17	Standard Test Method for Steady-State Thermal Transmission Properties by Means of the Heat Flow Meter Apparatus	NBC 9.36.2.2.(1) CNB 9.36.2.2. 1) NECB 3.1.1.5.(1) CNÉB 3.1.1.5. 1)
ASTM (American Society for Testing and Materials International)	C553-13	Standard Specification for Mineral Fiber Blanket Thermal Insulation for Commercial and Industrial Applications	NBC Table 5.9.1.1. CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C612-14	Standard Specification for Mineral Fiber Block and Board Thermal Insulation	NBC Table 5.9.1.1. CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C700-18	Standard Specification for Vitrified Clay Pipe, Extra Strength, Standard Strength, and Perforated	NBC 9.14.3.1.(1) NBC Table 5.9.1.1. CNB 9.14.3.1. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C726-17	Standard Specification for Mineral Wool Roof Insulation Board	NBC 9.25.2.2.(1) NBC Table 5.9.1.1. CNB 9.25.2.2. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C73-17	Standard Specification for Calcium Silicate Brick (Sand-Lime Brick)	NBC 9.20.2.1.(1) NBC Table 5.9.1.1. CNB 9.20.2.1. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C754-18	Standard Specification for Installation of Steel Framing Members to Receive Screw-Attached Gypsum Panel Products	NBC Table A-9.11.1.4.A NBC Table A-9.11.1.4.B NBC Table A-9.11.1.4.C NBC Table A-9.11.1.4.D CNB Tableau A-9.11.1.4.A CNB Tableau A-9.11.1.4.B CNB Tableau A-9.11.1.4.C CNB Tableau A-9.11.1.4.D
ASTM (American Society for Testing and Materials International)	C834-17	Standard Specification for Latex Sealants	NBC 9.27.4.2.(2) NBC Table 5.9.1.1. CNB 9.27.4.2. 2) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C840-18b	Standard Specification for Application and Finishing of Gypsum Board	NBC 3.1.6.6.(2) NBC 9.29.5.1.(3) NBC A-9.29.5.1.(3) NBC D-2.3.9. NBC Table 5.9.1.1. CNB 3.1.6.6. 2) CNB 9.29.5.1. 3) CNB A-9.29.5.1. 3) CNB D-2.3.9. CNB Tableau 5.9.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	C920-18	Standard Specification for Elastomeric Joint Sealants	NBC 9.27.4.2.(2) NBC Table 5.9.1.1. CNB 9.27.4.2. 2) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	C954-18	Standard Specification for Steel Drill Screws for the Application of Gypsum Panel Products or Metal Plaster Bases to Steel Studs from 0.033 in. (0.84 mm) to 0.112 in. (2.84 mm) in Thickness	NBC 9.24.1.4.(1) CNB 9.24.1.4. 1)
ASTM (American Society for Testing and Materials International)	C991-16	Standard Specification for Flexible Fibrous Glass Insulation for Metal Buildings	NBC Table 5.9.1.1. CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	D1037-12	Standard Test Methods for Evaluating Properties of Wood-Base Fiber and Particle Panel Materials	NBC A-9.23.15.2.(4) CNB A-9.23.15.2. 4)
ASTM (American Society for Testing and Materials International)	D1143/D1143M-07	Standard Test Methods for Deep Foundations Under Static Axial Compressive Load	NBC A-4.2.7.2.(2) CNB A-4.2.7.2. 2)
ASTM (American Society for Testing and Materials International)	D1227/D1227M-13	Standard Specification for Emulsified Asphalt Used as a Protective Coating for Roofing	NBC 9.13.2.2.(2) NBC 9.13.3.2.(2) NBC Table 5.9.1.1. CNB 9.13.2.2. 2) CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	D1761-12	Standard Test Methods for Mechanical Fasteners in Wood and Wood-Based Materials	NBC A-9.27.5.4.(2) CNB A-9.27.5.4. 2)
ASTM (American Society for Testing and Materials International)	D2178/D2178M-13a	Standard Specification for Asphalt Glass Felt Used in Roofing and Waterproofing	NBC Table 5.9.1.1. CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	D2466-17	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 40	NPC 2.2.5.7.(2) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.7. 2) CNP A-2.2.5. à 2.2.8.
ASTM (American Society for Testing and Materials International)	D2467-15	Standard Specification for Poly(Vinyl Chloride) (PVC) Plastic Pipe Fittings, Schedule 80	NPC 2.2.5.7.(2) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.7. 2) CNP A-2.2.5. à 2.2.8.

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	D2898-10	Standard Practice for Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing	NBC 3.1.4.8.(3) NBC 3.1.5.24.(1) NBC 3.1.5.5.(3) NBC 3.1.6.9.(6) NBC 3.2.3.7.(4) NBC 9.10.14.5.(3) NBC 9.10.15.5.(3) NBC D-6.1.1. CNB 3.1.4.8. 3) CNB 3.1.5.24. 1) CNB 3.1.5.5. 3) CNB 3.1.6.9. 6) CNB 3.2.3.7. 4) CNB 9.10.14.5. 3) CNB 9.10.15.5. 3) CNB D-6.1.1.
ASTM (American Society for Testing and Materials International)	D3019/D3019M-17	Standard Specification for Lap Cement Used with Asphalt Roll Roofing, Non-Fibered, and Fibered	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
ASTM (American Society for Testing and Materials International)	D3138-04	Standard Specification for Solvent Cements for Transition Joints Between Acrylonitrile-Butadiene-Styrene (ABS) and Poly(Vinyl Chloride) (PVC) Non-Pressure Piping Components	NPC A-2.2.5.9. to 2.2.5.11. CNP A-2.2.5.9. à 2.2.5.11.
ASTM (American Society for Testing and Materials International)	D323-15a	Standard Test Method for Vapor Pressure of Petroleum Products (Reid Method)	NBC 1.4.1.2.(1) of Division A CNB 1.4.1.2. 1) de la division A NFC 1.4.1.2.(1) of Division A CNPI 1.4.1.2. 1) de la division A
ASTM (American Society for Testing and Materials International)	D3261-16	Standard Specification for Butt Heat Fusion Polyethylene (PE) Plastic Fittings for Polyethylene (PE) Plastic Pipe and Tubing	NPC 2.2.5.4.(3) CNP 2.2.5.4. 3)
ASTM (American Society for Testing and Materials International)	D3278-96	Standard Test Methods for Flash Point of Liquids by Small Scale Closed-Cup Apparatus	NFC 4.1.3.1.(4) NFC A-4.1.3.1. CNPI 4.1.3.1. 4) CNPI A-4.1.3.1.
ASTM (American Society for Testing and Materials International)	D3679-17	Standard Specification for Rigid Poly (Vinyl Chloride) (PVC) Siding	NBC 9.27.12.1.(1) CNB 9.27.12.1. 1)
ASTM (American Society for Testing and Materials International)	D3828-16a	Standard Test Methods for Flash Point by Small Scale Closed Cup Tester	NFC 4.1.3.1.(3) CNPI 4.1.3.1. 3)
ASTM (American Society for Testing and Materials International)	D4359-90	Standard Test Method for Determining Whether a Material Is a Liquid or a Solid	NFC A-4.1.3.1. CNPI A-4.1.3.1.

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	D4477-16	Standard Specification for Rigid (Unplasticized) Poly(Vinyl Chloride) (PVC) Soffit	NBC 9.27.12.1.(3) CNB 9.27.12.1. 3)
ASTM (American Society for Testing and Materials International)	D4479/D4479M-07e1	Standard Specification for Asphalt Roof Coatings - Asbestos-Free	NBC 9.13.2.2.(2) NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B CNB 9.13.2.2. 2) CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
ASTM (American Society for Testing and Materials International)	D4637/D4637M-15	Standard Specification for EPDM Sheet Used In Single-Ply Roof Membrane	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
ASTM (American Society for Testing and Materials International)	D4811/D4811M-16	Standard Specification for Nonvulcanized (Uncured) Rubber Sheet Used as Roof Flashing	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
ASTM (American Society for Testing and Materials International)	D5/D5M-19	Standard Test Method for Penetration of Bituminous Materials	NFC A-4.1.3.1. CNPI A-4.1.3.1.
ASTM (American Society for Testing and Materials International)	D5456-19	Standard Specification for Evaluation of Structural Composite Lumber Products	NBC 3.1.11.7.(5) CNB 3.1.11.7. 5)
ASTM (American Society for Testing and Materials International)	D56-16a-22	Standard Test Method for Flash Point by Tag Closed Cup Tester	NFC 4.1.3.1.(1) CNPI 4.1.3.1. 1)
ASTM (American Society for Testing and Materials International)	D6878/D6878M-11a	Standard Specification for Thermoplastic Polyolefin Based Sheet Roofing	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
ASTM (American Society for Testing and Materials International)	D7254-17	Standard Specification for Polypropylene (PP) Siding	NBC 9.27.13.1.(1) CNB 9.27.13.1. 1)
ASTM (American Society for Testing and Materials International)	D7793-17	Standard Specification for Insulated Vinyl Siding	NBC 9.27.12.1.(2) CNB 9.27.12.1. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	D8052/D8052M-1722	Standard Test Method for Quantification of Air Leakage in Low-Sloped Membrane Roof Assemblies	NBC A-5.4.1.2.(1) CNB A-5.4.1.2. 1)
ASTM (American Society for Testing and Materials International)	D92-18	Standard Test Method for Flash and Fire Points by Cleveland Open Cup Tester	NFC A-4.1.2.2. CNPI A-4.1.2.2.
ASTM (American Society for Testing and Materials International)	D93-18	Standard Test Methods for Flash Point by Pensky-Martens Closed Cup Tester	NFC 4.1.3.1.(2) CNPI 4.1.3.1. 2)
ASTM (American Society for Testing and Materials International)	E1007-19	Standard Test Method for Field Measurement of Tapping Machine Impact Sound Transmission Through Floor-Ceiling Assemblies and Associated Support Structures	NBC A-9.11. CNB A-9.11.
ASTM (American Society for Testing and Materials International)	E1105-15	Standard Test Method for Field Determination of Water Penetration of Installed Exterior Windows, Skylights, Doors, and Curtain Walls, by Uniform or Cyclic Static Air Pressure Difference	NBC A-5.9.2.3.(1) NBC A-5.9.3.5.(2) CNB A-5.9.2.3. 1) CNB A-5.9.3.5. 2)
ASTM (American Society for Testing and Materials International)	E1186-17	Standard Practices for Air Leakage Site Detection in Building Envelopes and Air Barrier Systems	NBC A-5.4.1.2.(2) CNB A-5.4.1.2. 2)
ASTM (American Society for Testing and Materials International)	E1300-16	Standard Practice for Determining Load Resistance of Glass in Buildings	NBC 4.3.6.1.(1) NBC 9.6.1.3.(1) CNB 4.3.6.1. 1) CNB 9.6.1.3. 1)
ASTM (American Society for Testing and Materials International)	E2190-19	Standard Specification for Insulating Glass Unit Performance and Evaluation	NBC 9.6.1.2.(1) NBC Table 5.9.1.1. CNB 9.6.1.2. 1) CNB Tableau 5.9.1.1.
ASTM (American Society for Testing and Materials International)	E2307-15b	Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-storey Test Apparatus	NBC 3.1.8.3.(4) NBC 9.10.9.2.(4) NBC A-3.1.8.3.(2) CNB 3.1.8.3. 4) CNB 9.10.9.2. 4) CNB A-3.1.8.3. 2)
ASTM (American Society for Testing and Materials International)	E2357-18	Standard Test Method for Determining Air Leakage Rate of Air Barrier Assemblies	NBC 9.36.2.9.(1) NBC A-5.4.1.1.(3) NBC A-9.36.2.9.(1) CNB 9.36.2.9. 1) CNB A-5.4.1.1. 3) CNB A-9.36.2.9. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	E283-04	Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen	NBC 5.9.3.4.(2) NBC A-5.9.3.4.(2) CNB 5.9.3.4. 2) CNB A-5.9.3.4. 2) NECB 3.2.4.3.(3) NECB 3.2.4.3.(6) NECB 3.2.4.3.(7) NECB 3.2.4.3.(8) NECB 3.2.4.3.(9) CNÉB 3.2.4.3. 3) CNÉB 3.2.4.3. 6) CNÉB 3.2.4.3. 7) CNÉB 3.2.4.3. 8) CNÉB 3.2.4.3. 9)
ASTM (American Society for Testing and Materials International)	E3158-18	Standard Test Method for Measuring the Air Leakage Rate of a Large or Multizone Building	NECB 3.2.4.2.(1) CNÉB 3.2.4.2. 1)
ASTM (American Society for Testing and Materials International)	E330/E330M-14	Standard Test Method for Structural Performance of Exterior Windows, Doors, Skylights and Curtain Walls by Uniform Static Air Pressure Difference	NBC A-5.9.3.2.(1) CNB A-5.9.3.2. 1)
ASTM (American Society for Testing and Materials International)	E331-00	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Uniform Static Air Pressure Difference	NBC 5.9.3.5.(2) NBC A-5.9.3.5.(2) CNB 5.9.3.5. 2) CNB A-5.9.3.5. 2)
ASTM (American Society for Testing and Materials International)	E336-11	Standard Test Method for Measurement of Airborne Sound Attenuation between Rooms in Buildings	NBC 5.8.1.2.(2) NBC 5.8.1.4.(7) NBC 9.11.1.2.(2) NBC A-9.11. CNB 5.8.1.2. 2) CNB 5.8.1.4. 7) CNB 9.11.1.2. 2) CNB A-9.11.
ASTM (American Society for Testing and Materials International)	E413-16	Classification for Rating Sound Insulation	NBC 5.8.1.2.(1) NBC 5.8.1.2.(2) NBC 5.8.1.4.(7) NBC 5.8.1.5.(3) NBC 9.11.1.2.(1) NBC 9.11.1.2.(2) NBC A-1.4.1.2.(1) of Division A CNB 5.8.1.2. 1) CNB 5.8.1.2. 2) CNB 5.8.1.4. 7) CNB 5.8.1.5. 3) CNB 9.11.1.2. 1) CNB 9.11.1.2. 2) CNB A-1.4.1.2. 1) de la division A
ASTM (American Society for Testing and Materials International)	E492-09e122	Standard Test Method for Laboratory Measurement of Impact Sound Transmission Through Floor-Ceiling Assemblies Using the Tapping Machine	NBC A-9.11. CNB A-9.11.

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	E547-00	Standard Test Method for Water Penetration of Exterior Windows, Skylights, Doors, and Curtain Walls by Cyclic Static Air Pressure Difference	NBC 5.9.3.5.(2) NBC A-5.9.3.5.(2) CNB 5.9.3.5. 2) CNB A-5.9.3.5. 2)
ASTM (American Society for Testing and Materials International)	E597-95	Practice for Determining a Single Number Rating of Airborne Sound Insulation for Use in Multi-Unit Building Specifications	NBC A-9.11. CNB A-9.11.
ASTM (American Society for Testing and Materials International)	E736/E736M-17	Standard Test Method for Cohesion/Adhesion of Sprayed Fire-Resistive Materials Applied to Structural Members	NBC Table 9.10.3.1.-B CNB Tableau 9.10.3.1.-B
ASTM (American Society for Testing and Materials International)	E779-10	Standard Test Method for Determining Air Leakage Rate by Fan Pressurization	NECB 8.4.2.9.(2) CNÉB 8.4.2.9. 2)
ASTM (American Society for Testing and Materials International)	E783-02	Standard Test Method for Field Measurement of Air Leakage Through Installed Exterior Windows and Doors	NBC A-5.4.1.2.(2) NBC A-5.9.2.3.(1) NBC A-5.9.3.4.(2) CNB A-5.4.1.2. 2) CNB A-5.9.2.3. 1) CNB A-5.9.3.4. 2)
ASTM (American Society for Testing and Materials International)	E90-09	Standard Test Method for Laboratory Measurement of Airborne Sound Transmission Loss of Building Partitions and Elements	NBC 5.8.1.2.(1) NBC 5.8.1.4.(1) NBC 9.11.1.2.(1) CNB 5.8.1.2. 1) CNB 5.8.1.4. 1) CNB 9.11.1.2. 1)
ASTM (American Society for Testing and Materials International)	E96/E96M-16	Standard Test Methods for Water Vapor Transmission of Materials	NBC 5.5.1.2.(3) NBC 9.13.2.2.(2) NBC 9.25.4.2.(1) NBC 9.25.4.2.(2) NBC 9.25.5.1.(1) NBC 9.30.1.2.(1) CNB 5.5.1.2. 3) CNB 9.13.2.2. 2) CNB 9.25.4.2. 1) CNB 9.25.4.2. 2) CNB 9.25.5.1. 1) CNB 9.30.1.2. 1)
ASTM (American Society for Testing and Materials International)	F1667-18a	Standard Specification for Driven Fasteners: Nails, Spikes, and Staples	NBC 9.23.3.1.(1) NBC 9.26.2.3.(1) NBC 9.29.5.6.(1) CNB 9.23.3.1. 1) CNB 9.26.2.3. 1) CNB 9.29.5.6. 1)
ASTM (American Society for Testing and Materials International)	F2090-17	Standard Specification for Window Fall Prevention Devices With Emergency Escape (Egress) Release Mechanisms	NBC A-9.8.8.1.(4) CNB A-9.8.8.1. 4)
ASTM (American Society for Testing and Materials International)	F3128-19	Standard Specification for Poly(Vinyl Chloride) (PVC) Schedule 40 Drain, Waste, and Vent Pipe with a Cellular Core	NPC 2.2.5.16.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.16. 1) CNP A-2.2.5. à 2.2.8.

Issuing Agency	Document Number	Title of Document	Code Reference
ASTM (American Society for Testing and Materials International)	F476-14	Standard Test Methods for Security of Swinging Door Assemblies	NBC 9.7.5.2.(2) NBC A-9.7.5.2.(2) CNB 9.7.5.2. 2) CNB A-9.7.5.2. 2)
ASTM (American Society for Testing and Materials International)	F628-12e2	Standard Specification for Acrylonitrile-Butadiene-Styrene (ABS) Schedule 40 Plastic Drain, Waste, and Vent Pipe With a Cellular Core	NPC 2.2.5.11.(1) NPC 2.2.5.9.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.11. 1) CNP 2.2.5.9. 1) CNP A-2.2.5. à 2.2.8.
ASTM (American Society for Testing and Materials International)	F714-13	Standard Specification for Polyethylene (PE) Plastic Pipe (DR-PR) Based on Outside Diameter	NPC 2.2.5.5.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.5. 1) CNP A-2.2.5. à 2.2.8.
ASTM (American Society for Testing and Materials International)	G115-10	Standard Guide for Measuring and Reporting Friction Coefficients	NBC 4.1.8.18.(18) CNB 4.1.8.18. 18)
AWS (American Welding Society)	ANSI/AWS A5.8M/A5.8:20112019	Specification for Filler Metals for Brazing and Braze Welding	NPC 2.2.9.2.(4) CNP 2.2.9.2. 4)
AWWA (American Water Works Association)	ANSI/AWWA C104/A21.4-13	Cement-Mortar Lining for Ductile-Iron Pipe and Fittings	NPC 2.2.6.4.(2) CNP 2.2.6.4. 2)
AWWA (American Water Works Association)	ANSI/AWWA C110/A21.10-12	Ductile-Iron and Gray-Iron Fittings	NPC 2.2.6.4.(3) CNP 2.2.6.4. 3)
AWWA (American Water Works Association)	ANSI/AWWA C111/A21.11-12	Rubber-Gasket Joints for Ductile-Iron Pressure Pipe and Fittings	NPC 2.2.6.4.(4) CNP 2.2.6.4. 4)
AWWA (American Water Works Association)	ANSI/AWWA C151/A21.51-09	Ductile-Iron Pipe, Centrifugally Cast	NPC 2.2.6.4.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.6.4. 1) CNP A-2.2.5. à 2.2.8.
AWWA (American Water Works Association)	ANSI/AWWA C228-08	Stainless-Steel Pipe Flanges for Water Service - Sizes 2 in. through 72 in. (50 mm through 1,800 mm)	NPC 2.2.6.12.(1) CNP 2.2.6.12. 1)
AWWA (American Water Works Association)	M14-2004	Recommended Practice for Backflow Prevention and Cross-Connection Control	NPC A-2.6.2.4.(2) CNP A-2.6.2.4. 2)
BC Hydro (BC Hydro and Power Authority)	2014	Building Envelope Thermal Bridging Guide	NECB A-3.1.1.5.(5)(a) CNÉB A-3.1.1.5. 5)a)
BNQ (Bureau de normalisation du Québec)	BNQ 3624-115/2016	Polyethylene (PE) Pipe and Fittings for Soil and Foundation Drainage	NBC 9.14.3.1.(1) NBC Table 5.9.1.1.
BNQ (Bureau de normalisation du Québec)	BNQ 3624-115/2016	Tuyaux et raccords en polyéthylène (PE) pour le drainage des sols et des fondations	CNB 9.14.3.1. 1) CNB Tableau 5.9.1.1.
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	CNRC 30620	Code national du bâtiment - Canada 1990	CNPI A-2.1.2.1. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	CNRC 30630	Supplément du Code national du bâtiment du Canada 1990	CNB D-7.2. CNB D-7.3.
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	CNRC 35952	Lignes directrices pour l'application aux bâtiments existants de la partie 3 du Code national du bâtiment du Canada	CNB A-1.1.1.1. 1) de la division A
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	CNRC 38730F	Code modèle national de l'énergie pour les habitations - Canada 1997	CNB A-9.36.3.10. 1) CNB A-9.36.4.2. 1)
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	CNRC 38732F	Code national de construction des bâtiments agricoles - Canada 1995	CNB 1.1.1.1. 3) de la division A CNB A-5.1.2.1. 1)
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	CNRC 40383F	Guide de l'utilisateur - CNB 1995, Protection contre l'incendie, sécurité des occupants et accessibilité (Partie 3)	CNB A-1.1.1.1. 1) de la division A CNPI 7.1.1.2. 2) CNPI 7.2.3.1. 1) CNPI 7.2.3.3. 1) CNPI 7.3.10.1. 1) CNPI 7.3.11.1. 1) CNPI 7.3.12.1. 1) CNPI 7.3.13.1. 1) CNPI 7.3.14.1. 1) CNPI 7.3.15.1. 1) CNPI 7.3.2.1. 1) CNPI 7.3.3.1. 1) CNPI 7.3.4.1. 1) CNPI 7.3.5.1. 1) CNPI 7.3.6.1. 1) CNPI 7.3.7.1. 1) CNPI 7.3.8.1. 1) CNPI 7.3.9.1. 1)
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	CNRC 43963F	Guide de l'utilisateur - CNB 1995, Application de la partie 9 aux bâtiments existants	CNB A-1.1.1.1. 1) de la division A
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	CNRC 47666F	Code national du bâtiment - Canada 2005	CNPI A-2.1.3.1. 1)
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	CNRC 56190F	Code national du bâtiment - Canada 2015	CNB A-4.1.8.4. 3) CNB C
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC 30619	National Building Code of Canada 1990	NFC A-2.1.2.1.(1)
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC 30629	Supplement to the National Building Code of Canada 1990	NBC D-7.2. NBC D-7.3.
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC 35951	Guidelines for Application of Part 3 of the National Building Code of Canada to Existing Buildings	NBC A-1.1.1.1.(1) of Division A

Issuing Agency	Document Number	Title of Document	Code Reference
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC 38730	Model National Energy Code of Canada for Houses 1997	NBC A-9.36.3.10.(1) NBC A-9.36.4.2.(2)
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC 38732	National Farm Building Code of Canada 1995	NBC 1.1.1.1.(3) of Division A NBC A-5.1.2.1.(1)
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC 40383	User's Guide – NBC 1995, Fire Protection, Occupant Safety and Accessibility (Part 3)	NBC A-1.1.1.1.(1) of Division A NFC 7.1.1.2.(2) NFC 7.2.3.1.(1) NFC 7.2.3.3.(1) NFC 7.3.10.1.(1) NFC 7.3.11.1.(1) NFC 7.3.12.1.(1) NFC 7.3.13.1.(1) NFC 7.3.14.1.(1) NFC 7.3.15.1.(1) NFC 7.3.2.1.(1) NFC 7.3.3.1.(1) NFC 7.3.4.1.(1) NFC 7.3.5.1.(1) NFC 7.3.6.1.(1) NFC 7.3.7.1.(1) NFC 7.3.8.1.(1) NFC 7.3.9.1.(1)
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC 43963	User's Guide – NBC 1995, Application of Part 9 to Existing Buildings	NBC A-1.1.1.1.(1) of Division A
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC 47666	National Building Code of Canada 2005	NFC A-2.1.3.1.(1)
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC 56190	National Building Code of Canada 2015	NBC A-4.1.8.4.(3) NBC C

Issuing Agency	Document Number	Title of Document	Code Reference
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC-CONST-56435E	National Building Code of Canada 2020	NFC 1.3.3.2.(1) of Division A NFC 1.4.1.2.(1) of Division A NFC 2.1.2.1.(1) NFC 2.1.3.1.(1) NFC 2.1.3.2.(1) NFC 2.1.3.3.(1) NFC 2.1.3.4.(1) NFC 2.1.3.7.(1) NFC 2.10.1.1.(1) NFC 2.11.1.1.(1) NFC 2.13.2.1.(1) NFC 2.14.3.1.(1) NFC 2.14.3.2.(1) NFC 2.14.3.2.(2) NFC 2.2.1.1.(1) NFC 2.2.1.1.(2) NFC 2.2.1.1.(3) NFC 2.2.2.1.(1) NFC 2.2.2.1.(2) NFC 2.2.2.4.(2) NFC 2.2.3.1.(1) NFC 2.3.1.1.(1) NFC 2.3.1.2.(1) of Division C NFC 2.3.1.4.(1) NFC 2.4.1.2.(1) NFC 2.5.1.1.(1) NFC 2.6.1.1.(1) NFC 2.6.1.5.(1) NFC 2.6.1.9.(1) NFC 2.6.2.1.(1) NFC 2.7.1.1.(1) NFC 2.7.1.2.(1) NFC 2.7.1.4.(2) NFC 2.7.3.1.(1) NFC 2.8.1.1.(1) NFC 2.8.2.12.(2) NFC 2.8.2.2.(1) NFC 2.8.3.1.(1) NFC 2.8.3.2.(1) NFC 2.9.1.1.(1) NFC 2.9.3.6.(1) NFC 3.1.4.1.(1) NFC 3.2.4.2.(1) NFC 3.2.6.2.(1) NFC 3.2.7.12.(3) NFC 3.2.7.5.(6) NFC 3.2.7.5.(7) NFC 3.2.7.8.(1) NFC 3.2.8.2.(1) NFC 3.2.8.3.(1) NFC 3.2.9.2.(1) NFC 3.2.9.2.(2) NFC 3.2.9.2.(3) NFC 3.2.9.2.(4) NFC 3.2.9.2.(5) NFC 3.3.2.5.(1) NFC 4.1.7.1.(1) NFC 4.2.11.3.(1) NFC 4.2.12.1.(1) NFC 4.2.4.3.(2)

Issuing Agency	Document Number	Title of Document	Code Reference
			NFC 4.2.7.5.(2) NFC 4.2.9.5.(1) NFC 4.3.2.4.(2) NFC 4.3.3.2.(1) NFC 4.5.6.10.(2) NFC 4.5.8.2.(3) NFC 4.6.3.3.(2) NFC 4.6.3.3.(3) NFC 4.9.3.2.(1) NFC 5.1.3.1.(1) NFC 5.3.3.4.(1) NFC 5.5.2.2.(1) NFC 5.5.4.1.(1) NFC 5.5.4.2.(1) NFC 5.5.4.3.(1) NFC 5.5.4.4.(1) NFC 5.6.1.20.(1) NFC 5.6.1.6.(1) NFC 5.6.1.6.(2) NFC 5.6.1.8.(2) NFC 5.6.3.1.(1) NFC 5.6.3.4.(2) NFC 5.6.3.5.(1) NFC 5.6.3.7.(1) NFC 5.6.3.7.(3) NFC 5.6.3.8. NFC 5.6.4.1.(1) NFC 5.6.4.3.(1) NFC 5.6.4.3.(3) NFC 7.1.1.1.(1) NFC 7.1.1.2.(1) NFC 7.1.1.2.(2) NFC 7.1.1.4.(2) NFC A-1.1.1.1.(1) of Division A NFC A-1.4.1.2.(1) of Division A NFC A-2.1.3.1.(1) NFC A-2.1.3.4.(1) NFC A-2.2.1.1.(1) of Division A NFC A-2.7.1.3.(1) NFC A-2.7.1.4.(2) NFC A-2.7.3.1.(1) NFC A-2.8.1.2.(2) NFC A-2.9.3.5.(1) NFC A-3.2.1.1.(1) of Division A NFC A-3.2.2.3.(5) NFC A-3.2.7.12.(3) NFC A-3.2.7.9.(1) NFC A-3.2.9.2.(5) NFC A-4.1.7.1.(1) NFC A-4.2.7.5.(2) NFC A-5.6.1.2.(1) NFC A-5.6.1.4.(4) NFC A-5.6.1.6. NFC A-5.6.1.8. NFC A-6.1.1.2.(1) NPC 1.1.1.1.(3) of Division A NPC 1.4.1.2.(1) of Division A

Issuing Agency	Document Number	Title of Document	Code Reference
			NPC 2.1.3.1.(1) NPC 2.1.4.1.(1) NPC 2.2.5.11.(2) NPC 2.2.5.11.(3) NPC 2.2.6.7.(3) NPC 2.4.10.4.(1) NPC 2.4.3.1.(1) NPC A-2.2.1.1.(1) of Division A NPC A-2.2.5. to 2.2.8. NPC A-2.4.10. NPC A-2.4.10.4.(1) NPC A-3.2.1.1.(1) of Division A NECB 1.1.1.1.(1) of Division A NECB 1.1.1.3.(1) of Division A NECB 1.1.1.3.(2) of Division A NECB 1.4.1.2.(1) of Division A NECB 3.1.1.5.(1) NECB 5.2.1.1.(1) NECB 5.2.2.1.(1) NECB 5.2.2.8.(2) NECB 5.2.5.1.(1) NECB A-3.2.1.1.(1) of Division A NECB A-3.2.3.1.(3) NECB A-5.2.10.4.(1) NECB A-5.2.10.4.(5) NECB A-5.2.2.8.(2) NECB A-5.2.8.4.(1)

Issuing Agency	Document Number	Title of Document	Code Reference
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	NRCC-CONST-56435F	Code national du bâtiment - Canada 2020	CNPI 1.3.3.2. 1) de la division A CNPI 1.4.1.2. 1) de la division A CNPI 2.1.2.1. 1) CNPI 2.1.3.1. 1) CNPI 2.1.3.2. 1) CNPI 2.1.3.3. 1) CNPI 2.1.3.4. 1) CNPI 2.1.3.7. 1) CNPI 2.10.1.1. 1) CNPI 2.11.1.1. 1) CNPI 2.13.2.1. 1) CNPI 2.14.3.1. 1) CNPI 2.14.3.2. 1) CNPI 2.14.3.2. 2) CNPI 2.2.1.1. 1) CNPI 2.2.1.1. 2) CNPI 2.2.1.1. 3) CNPI 2.2.2.1. 1) CNPI 2.2.2.1. 2) CNPI 2.2.2.4. 2) CNPI 2.2.3.1. 1) CNPI 2.3.1.1. 1) CNPI 2.3.1.2. 1) de la division C CNPI 2.3.1.4. 1) CNPI 2.4.1.2. 1) CNPI 2.5.1.1. 1) CNPI 2.6.1.1. 1) CNPI 2.6.1.5. 1) CNPI 2.6.1.9. 1) CNPI 2.6.2.1. 1) CNPI 2.7.1.1. 1) CNPI 2.7.1.2. 1) CNPI 2.7.1.4. 2) CNPI 2.7.3.1. 1) CNPI 2.8.1.1. 1) CNPI 2.8.2.12. 2) CNPI 2.8.2.2. 1) CNPI 2.8.3.1. 1) CNPI 2.8.3.2. 1) CNPI 2.9.1.1. 1) CNPI 2.9.3.6. 1) CNPI 3.1.4.1. 1) CNPI 3.2.4.2. 1) CNPI 3.2.6.2. 1) CNPI 3.2.7.12. 3) CNPI 3.2.7.5. 6) CNPI 3.2.7.5. 7) CNPI 3.2.7.8. 1) CNPI 3.2.8.2. 1) CNPI 3.2.8.3. 1) CNPI 3.2.9.2. 1) CNPI 3.2.9.2. 2) CNPI 3.2.9.2. 3) CNPI 3.2.9.2. 4) CNPI 3.2.9.2. 5) CNPI 3.3.2.5. 1) CNPI 4.1.7.1. 1) CNPI 4.2.11.3. 1) CNPI 4.2.12.1. 1) CNPI 4.2.4.3. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
			CNPI 4.2.7.5. 2) CNPI 4.2.9.5. 1) CNPI 4.3.2.4. 2) CNPI 4.3.3.2. 1) CNPI 4.5.6.10. 2) CNPI 4.5.8.2. 3) CNPI 4.6.3.3. 2) CNPI 4.6.3.3. 3) CNPI 4.9.3.2. 1) CNPI 5.1.3.1. 1) CNPI 5.3.3.4. 1) CNPI 5.5.2.2. 1) CNPI 5.5.4.1. 1) CNPI 5.5.4.2. 1) CNPI 5.5.4.3. 1) CNPI 5.5.4.4. 1) CNPI 5.6.1.20. 1) CNPI 5.6.1.6. 1) CNPI 5.6.1.6. 2) CNPI 5.6.1.8. 2) CNPI 5.6.3.1. 1) CNPI 5.6.3.4. 2) CNPI 5.6.3.5. 1) CNPI 5.6.3.7. 1) CNPI 5.6.3.7. 3) CNPI 5.6.3.8. CNPI 5.6.4.1. 1) CNPI 5.6.4.2. 1) CNPI 5.6.4.2. 3) CNPI 7.1.1.1. 1) CNPI 7.1.1.2. 1) CNPI 7.1.1.2. 2) CNPI 7.1.1.4. 2) CNPI A-1.1.1.1. 1) de la division A CNPI A-1.4.1.2. 1) de la division A CNPI A-2.1.3.1. 1) CNPI A-2.1.3.4. 1) CNPI A-2.2.1.1. 1) de la division A CNPI A-2.7.1.3. 1) CNPI A-2.7.1.4. 2) CNPI A-2.7.3.1. 1) CNPI A-2.8.1.2. 2) CNPI A-2.9.3.5. 1) CNPI A-3.2.1.1. 1) de la division A CNPI A-3.2.2.3. 5) CNPI A-3.2.7.12. 3) CNPI A-3.2.7.9. 1) CNPI A-3.2.9.2. 5) CNPI A-4.1.7.1. 1) CNPI A-4.2.7.5. 2) CNPI A-5.6.1.2. 1) CNPI A-5.6.1.4. 4) CNPI A-5.6.1.6. CNPI A-5.6.1.8. CNPI A-6.1.1.2. 1) CNP 1.1.1.1. 3) de la division A CNP 1.4.1.2. 1) de la division A

Issuing Agency	Document Number	Title of Document	Code Reference
			CNP 2.1.3.1. 1) CNP 2.1.4.1. 1) CNP 2.2.5.11. 2) CNP 2.2.5.11. 3) CNP 2.2.6.7. 3) CNP 2.4.10.4. 1) CNP 2.4.3.1. 1) CNP A-2.2.1.1. 1) de la division A CNP A-2.2.5. à 2.2.8. CNP A-2.4.10. CNP A-2.4.10.4. 1) CNP A-3.2.1.1. 1) de la division A CNÉB 1.1.1.1. 1) de la division A CNÉB 1.1.1.3. 1) de la division A CNÉB 1.1.1.3. 2) de la division A CNÉB 1.4.1.2. 1) de la division A CNÉB 3.1.1.5. 1) CNÉB 5.2.1.1. 1) CNÉB 5.2.2.1. 1) CNÉB 5.2.2.8. 2) CNÉB 5.2.5.1. 1) CNÉB A-3.2.1.1. 1) de la division A CNÉB A-3.2.3.1. 3) CNÉB A-5.2.10.4. 1) CNÉB A-5.2.10.4. 5) CNÉB A-5.2.2.8. 2) CNÉB A-5.2.8.4. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC-CONST-56436E	National Plumbing Code of Canada 2020	NBC 2.1.1.2.(4) of Division A NBC 5.6.2.2.(2) NBC 6.3.2.15.(10) NBC 6.3.2.15.(8) NBC 6.3.2.16.(6) NBC 7.1.2.1.(1) NBC 9.31.6.2.(1) NBC 9.36.3.11.(2) NBC 9.36.4.3.(2) NBC A-2.2.1.1.(1) of Division A NBC A-3.2.1.1.(1) of Division A NBC A-4.1.6.4.(3) NBC A-9.36.5.8.(5) NBC C NFC A-2.2.1.1.(1) of Division A NFC A-3.2.1.1.(1) of Division A NFC A-4.1.6.2.(2) NECB 6.2.1.1.(1) NECB A-3.2.1.1.(1) of Division A NECB A-5.2.10.4.(1) NECB A-6.2.6.1.(1) NECB A-8.4.4.20.(6) NECB A-8.4.4.20.(7)

Issuing Agency	Document Number	Title of Document	Code Reference
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	NRCC-CONST-56436F	Code national de la plomberie - Canada 2020	CNB 2.1.1.2. 4) de la division A CNB 5.6.2.2. 2) CNB 6.3.2.15. 10) CNB 6.3.2.15. 8) CNB 6.3.2.16. 6) CNB 7.1.2.1. 1) CNB 9.31.6.2. 1) CNB 9.36.3.11. 2) CNB 9.36.4.3. 2) CNB A-2.2.1.1. 1) de la division A CNB A-3.2.1.1. 1) de la division A CNB A-4.1.6.4. 3) CNB A-9.36.5.8. 5) CNB C CNPI A-2.2.1.1. 1) de la division A CNPI A-3.2.1.1. 1) de la division A CNPI A-4.1.6.2. 2) CNÉB 6.2.1.1. 1) CNÉB A-3.2.1.1. 1) de la division A CNÉB A-5.2.10.4. 1) CNÉB A-6.2.6.1. 1) CNÉB A-8.4.4.20. 7) CNÉB A-8.4.4.20. 6)

Issuing Agency	Document Number	Title of Document	Code Reference
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC-CONST-56437E	National Fire Code of Canada 2020	NBC 1.1.4.1.(1) NBC 1.4.1.2.(1) of Division A NBC 2.1.1.2.(4) of Division A NBC 2.2.4.3.(1) NBC 2.2.6.11.(1) NBC 2.2.8.1.(1) NBC 2.2.8.1.(4) NBC 2.2.8.7.(1) NBC 2.4.2.3.(4) NBC 3.1.13.1.(1) NBC 3.2.3.21.(1) NBC 3.2.5.16.(1) NBC 3.3.1.10.(1) NBC 3.3.1.2.(1) NBC 3.3.2.16.(1) NBC 3.3.2.3.(1) NBC 3.3.4.3.(4) NBC 3.3.5.2.(1) NBC 3.3.6.1.(1) NBC 3.3.6.3.(1) NBC 3.3.6.3.(2) NBC 3.3.6.4.(1) NBC 3.3.6.4.(2) NBC 3.3.6.6.(1) NBC 3.7.3.1.(1) NBC 6.3.4.2.(3) NBC 6.3.4.3.(1) NBC 6.3.4.4.(1) NBC 6.9.1.2.(1) NBC 8.1.1.1.(3) NBC 8.1.1.3.(1) NBC 9.10.20.4.(1) NBC 9.10.21.8.(1) NBC A-1.1.1.1.(1) of Division A NBC A-2.2.1.1.(1) of Division A NBC A-2.2.8.4.(1) NBC A-3.1.2.3.(1) NBC A-3.2.1.1.(1) of Division A NBC A-3.2.4.6.(2) NBC A-3.2.6. NBC A-3.2.7.8.(3) NBC A-3.3. NBC A-3.3.1.7.(1) NBC A-3.3.3.1.(1) NBC A-3.3.6.1.(1) NBC A-3.9.3.1.(1) NBC A-9.10.2.2. NPC 2.5.5.2. NPC A-2.2.1.1.(1) of Division A NPC A-3.2.1.1.(1) of Division A NECB 1.4.1.2.(1) of Division A NECB A-3.2.1.1.(1) of Division A

Issuing Agency	Document Number	Title of Document	Code Reference
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	NRCC-CONST-56437F	Code national de prévention des incendies – Canada 2020	CNB 1.1.4.1. 1) CNB 1.4.1.2. 1) de la division A CNB 2.1.1.2. 4) de la division A CNB 2.2.4.3. 1) CNB 2.2.6.11. 1) CNB 2.2.8.1. 1) CNB 2.2.8.1. 4) CNB 2.2.8.7. 1) CNB 2.4.2.3. 4) CNB 3.1.13.1. 1) CNB 3.2.3.21. 1) CNB 3.2.5.16. 1) CNB 3.3.1.10. 1) CNB 3.3.1.2. 1) CNB 3.3.2.16. 1) CNB 3.3.2.3. 1) CNB 3.3.4.3. 4) CNB 3.3.5.2. 1) CNB 3.3.6.1. 1) CNB 3.3.6.3. 1) CNB 3.3.6.3. 2) CNB 3.3.6.4. 1) CNB 3.3.6.4. 2) CNB 3.3.6.6. 1) CNB 3.7.3.1. 1) CNB 6.3.4.2. 3) CNB 6.3.4.3. 1) CNB 6.3.4.4. 1) CNB 6.9.1.2. 1) CNB 8.1.1.1. 3) CNB 8.1.1.3. 1) CNB 9.10.20.4. 1) CNB 9.10.21.8. 1) CNB A-1.1.1.1. 1) de la division A CNB A-2.2.1.1. 1) de la division A CNB A-2.2.8.4. 1) CNB A-3.1.2.3. 1) CNB A-3.2.1.1. 1) de la division A CNB A-3.2.4.6. 2) CNB A-3.2.6. CNB A-3.2.7.8. 3) CNB A-3.3. CNB A-3.3.1.7. 1) CNB A-3.3.3.1. 1) CNB A-3.3.6.1. 1) CNB A-3.9.3.1. 1) CNB A-9.10.2.2. CNP 2.5.5.2. CNP A-2.2.1.1. 1) de la division A CNP A-3.2.1.1. 1) de la division A CNÉB 1.4.1.2. 1) de la division A CNÉB A-3.2.1.1. 1) de la division A

Issuing Agency	Document Number	Title of Document	Code Reference
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC-CONST-56438E	National Energy Code of Canada for Buildings 2020	NBC 9.36.1.3.(1) NBC 9.36.1.3.(5) NBC 9.36.3.1.(2) NBC 9.36.4.1.(2) NBC 9.36.8.10.(2) NBC 9.36.8.9.(2) NBC A-2.1.1.2.(6) of Division A NBC A-2.2.1.1.(1) of Division A NBC A-2.2.8.1.(1) of Division C NBC A-3.2.1.1.(1) of Division A NBC A-5.4.1. NBC A-9.36.1.3. NBC A-9.36.2.4.(1) NBC A-9.36.3.10.(1) NBC A-9.36.4.2.(2) NBC A-9.36.5.2. NBC Table 9.36.3.10. NFC A-2.2.1.1.(1) of Division A NFC A-3.2.1.1.(1) of Division A NPC A-2.2.1.1.(1) of Division A NPC A-3.2.1.1.(1) of Division A
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	NRCC-CONST-56438F	Code national de l'énergie pour les bâtiments - Canada 2020	CNB 9.36.1.3. 1) CNB 9.36.1.3. 5) CNB 9.36.3.1. 2) CNB 9.36.4.1. 2) CNB 9.36.8.10. 2) CNB 9.36.8.9. 2) CNB A-2.1.1.2. 6) de la division A CNB A-2.2.1.1. 1) de la division A CNB A-2.2.8.1. 1) de la division C CNB A-3.2.1.1. 1) de la division A CNB A-5.4.1. CNB A-9.36.1.3. CNB A-9.36.2.4. 1) CNB A-9.36.3.10. 1) CNB A-9.36.4.2. 1) CNB A-9.36.5.2. CNB Tableau 9.36.3.10. CNPI A-2.2.1.1. 1) de la division A CNPI A-3.2.1.1. 1) de la division A CNP A-2.2.1.1. 1) de la division A CNP A-3.2.1.1. 1) de la division A

Issuing Agency	Document Number	Title of Document	Code Reference
CCBFC (Canadian Commission on Building and Fire Codes)	NRCC-CONST-56529E	Structural Commentaries (User's Guide - NBC 2020: Part 4 of Division B)	NBC A-1.1.1.1.(1) of Division A NBC A-2.3.1.1.(1) NBC A-2.3.4. NBC A-2.3.4.1.(1)(b) NBC A-4.1.1.3.(1) NBC A-4.1.1.3.(2) NBC A-4.1.2.1. NBC A-4.1.2.1.(1) NBC A-4.1.3. NBC A-4.1.3.2.(2) NBC A-4.1.3.2.(4) NBC A-4.1.3.2.(5) NBC A-4.1.3.3.(2) NBC A-4.1.3.4.(1) NBC A-4.1.3.5.(1) NBC A-4.1.3.5.(3) NBC A-4.1.3.6.(1) NBC A-4.1.3.6.(2) NBC A-4.1.3.6.(3) NBC A-4.1.3.6.(4) NBC A-4.1.5.17. NBC A-4.1.5.5. NBC A-4.1.5.8. NBC A-4.1.6.1.(1) NBC A-4.1.6.16. NBC A-4.1.6.2. NBC A-4.1.6.3.(2) NBC A-4.1.6.4.(1) NBC A-4.1.7.13. NBC A-4.1.7.2.(2) NBC A-4.1.7.3.(10) NBC A-4.1.7.3.(5)(c) NBC A-4.1.7.7.(2) NBC A-4.1.7.9.(1) NBC A-4.1.8.10.(10)(a) NBC A-4.1.8.10.(5) and (6) NBC A-4.1.8.10.(7) NBC A-4.1.8.10.(9) NBC A-4.1.8.11.(3) NBC A-4.1.8.12.(1)(a) NBC A-4.1.8.12.(1)(b) NBC A-4.1.8.12.(3) NBC A-4.1.8.12.(4)(a) NBC A-4.1.8.13.(4) NBC A-4.1.8.15.(1) NBC A-4.1.8.15.(3) NBC A-4.1.8.15.(4) NBC A-4.1.8.15.(5) NBC A-4.1.8.15.(6) NBC A-4.1.8.15.(7) NBC A-4.1.8.15.(8) NBC A-4.1.8.16.(1) NBC A-4.1.8.16.(10) NBC A-4.1.8.16.(4)

Issuing Agency	Document Number	Title of Document	Code Reference
			NBC A-4.1.8.16.(6)(a) NBC A-4.1.8.16.(7) NBC A-4.1.8.16.(8)(a) NBC A-4.1.8.17.(1) NBC A-4.1.8.18. NBC A-4.1.8.18.(13) and 4.4.3.1.(1) NBC A-4.1.8.18.(14) and (15) NBC A-4.1.8.18.(16) NBC A-4.1.8.18.(7)(e) NBC A-4.1.8.19.(3)(a) NBC A-4.1.8.19.(4) and 4.1.8.21.(5) NBC A-4.1.8.2.(1) NBC A-4.1.8.21.(4)(a) NBC A-4.1.8.3.(4) NBC A-4.1.8.3.(6) NBC A-4.1.8.3.(7)(b) and (c) NBC A-4.1.8.3.(8) NBC A-4.1.8.4.(2) and (3) NBC A-4.1.8.4.(3) NBC A-4.1.8.7.(1) NBC A-4.1.8.9.(4) NBC A-4.1.8.9.(5) NBC A-4.2.4.1.(3) NBC A-4.2.4.1.(5) NBC A-4.2.5.1.(1) NBC A-4.2.6.1.(1) NBC A-4.2.7.2.(1) NBC A-4.3.6.1.(1) NBC A-4.4.2.1.(1) NBC A-5.1.4.2. NBC A-5.2.2.2.(4) NBC A-Table 4.1.2.1. NBC A-Table 4.1.3.4. NBC A-Table 4.1.8.5.-A NBC A-Table 4.1.8.6. NBC Table C-3

Issuing Agency	Document Number	Title of Document	Code Reference
CCCBPI (Commission canadienne des codes du bâtiment et de prévention des incendies)	NRCC-CONST-56529F	Commentaires sur le calcul des structures (Guide de l'utilisateur - CNB 2020 : Partie 4 de la division B)	CNB A-1.1.1.1. 1) de la division A CNB A-2.3.1.1. 1) CNB A-2.3.4. CNB A-2.3.4.1. 1)b) CNB A-4.1.1.3. 1) CNB A-4.1.1.3. 2) CNB A-4.1.2.1. CNB A-4.1.2.1. 1) CNB A-4.1.3. CNB A-4.1.3.2. 2) CNB A-4.1.3.2. 4) CNB A-4.1.3.2. 5) CNB A-4.1.3.3. 2) CNB A-4.1.3.4. 1) CNB A-4.1.3.5. 1) CNB A-4.1.3.5. 3) CNB A-4.1.3.6. 2) CNB A-4.1.3.6. 1) CNB A-4.1.3.6. 3) CNB A-4.1.3.6. 4) CNB A-4.1.5.17. CNB A-4.1.5.5. CNB A-4.1.5.8. CNB A-4.1.6.1. 1) CNB A-4.1.6.16. CNB A-4.1.6.2. CNB A-4.1.6.3. 2) CNB A-4.1.6.4. 1) CNB A-4.1.7.13. CNB A-4.1.7.2. CNB A-4.1.7.3. 10) CNB A-4.1.7.3. 5)c) CNB A-4.1.7.7. 2) CNB A-4.1.7.9. 1) CNB A-4.1.8.10. 10)a) CNB A-4.1.8.10. 5) et 6) CNB A-4.1.8.10. 7) CNB A-4.1.8.10. 9) CNB A-4.1.8.11. 3) CNB A-4.1.8.12. 1)a) CNB A-4.1.8.12. 1)b) CNB A-4.1.8.12. 3) CNB A-4.1.8.12. 4)a) CNB A-4.1.8.13. 4) CNB A-4.1.8.15. 3) CNB A-4.1.8.15. 1) CNB A-4.1.8.15. 4) CNB A-4.1.8.15. 5) CNB A-4.1.8.15. 6) CNB A-4.1.8.15. 7) CNB A-4.1.8.15. 8) CNB A-4.1.8.16. 1) CNB A-4.1.8.16. 4) CNB A-4.1.8.16. 10) CNB A-4.1.8.16. 6)a)

Issuing Agency	Document Number	Title of Document	Code Reference
			CNB A-4.1.8.16. 7) CNB A-4.1.8.16. 8)a) CNB A-4.1.8.17. 1) CNB A-4.1.8.18. CNB A-4.1.8.18. 14) et 15) CNB A-4.1.8.18. 16) CNB A-4.1.8.18. 13) et 4.4.3.1. 1) CNB A-4.1.8.18. 7)e) CNB A-4.1.8.19. 3)a) CNB A-4.1.8.19. 4) et 4.1.8.21. 5) CNB A-4.1.8.2. 1) CNB A-4.1.8.21. 4)a) CNB A-4.1.8.3. 4) CNB A-4.1.8.3. 6) CNB A-4.1.8.3. 7)b) et c) CNB A-4.1.8.3. 8) CNB A-4.1.8.4. 2) et 3) CNB A-4.1.8.4. 3) CNB A-4.1.8.7. 1) CNB A-4.1.8.9. 4) CNB A-4.1.8.9. 5) CNB A-4.2.4.1. 3) CNB A-4.2.4.1. 5) CNB A-4.2.5.1. 1) CNB A-4.2.6.1. 1) CNB A-4.2.7.2. 1) CNB A-4.3.6.1. 1) CNB A-4.4.2.1. 1) CNB A-5.1.4.2. CNB A-5.2.2.2. 4) CNB A-Tableau 4.1.2.1. CNB A-Tableau 4.1.3.4. CNB A- Tableau 4.1.8.5.-A CNB A- Tableau 4.1.8.6. CNB Tableau C-3
CCME (Canadian Council of Ministers of the Environment)	PN 1326 (2003)	Environmental Code of Practice for Aboveground and Underground Storage Tank Systems Containing Petroleum and Allied Petroleum Products	NFC A-4.3.16.1.(1) NFC A-4.4.2.1.(3)
CCME (Conseil canadien des ministres de l'environnement)	PN 1327 (2003)	Code de recommandations techniques pour la protection de l'environnement applicable aux systèmes de stockage hors sol et souterrains de produits pétroliers et de produits apparentés	CNPI A-4.3.16.1. 1) CNPI A-4.4.2.1. 3)

Issuing Agency	Document Number	Title of Document	Code Reference
CFA (Canadian Fuels Association)	1990	Using the Canadian Fuels Colour-Symbol System to Mark Equipment and Vehicles For Product Identification	NFC 4.3.1.7.(1) NFC 4.5.4.1.(3) NFC 4.5.7.6.(1)
ACC (Association canadienne des carburants)	1990	Système d'encodage par couleurs pour identifier les produits pétroliers contenus dans le matériel ou les véhicules	CNPI 4.3.1.7. 1) CNPI 4.5.4.1. 3) CNPI 4.5.7.6. 1)
CGA (Compressed Gas Association)	P-1 (2008)	Standard for Safe Handling of Compressed Gases in Containers	NFC A-3.1.1.4.(1)(a) CNPI A-3.1.1.4. 1)a)
CGSB (Canadian General Standards Board)	CAN/CGSB-10.3-92	Air Setting Refractory Mortar	NBC 9.21.3.4.(2) NBC 9.21.3.9.(1) NBC 9.22.2.2.(2)
ONGC (Office des normes générales du Canada)	CAN/CGSB-10.3-92	Mortier réfractaire durcissant à l'air	CNB 9.21.3.4. 2) CNB 9.21.3.9. 1) CNB 9.22.2.2. 2)
CGSB (Canadian General Standards Board)	CAN/CGSB-11.3-M87	Hardboard	NBC 9.29.7.1.(1) NBC 9.30.2.2.(1) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-11.3-M87	Panneaux de fibres durs	CNB 9.29.7.1. 1) CNB 9.30.2.2. 1) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-12.10-M76	Glass, Light and Heat Reflecting	NBC 9.6.1.2.(1)
ONGC (Office des normes générales du Canada)	CAN/CGSB-12.10-M76	Verre réflecteur de lumière et de chaleur	CNB 9.6.1.2. 1)
CGSB (Canadian General Standards Board)	CAN/CGSB-12.11-M90	Wired Safety Glass	NBC 3.3.1.20.(3) NBC 3.4.6.15.(1) NBC 3.4.6.15.(3) NBC 9.6.1.2.(1) NBC 9.6.1.4.(1) NBC 9.8.8.7.(1)
ONGC (Office des normes générales du Canada)	CAN/CGSB-12.11-M90	Verre de sécurité armé	CNB 3.3.1.20. 3) CNB 3.4.6.15. 1) CNB 3.4.6.15. 3) CNB 9.6.1.2. 1) CNB 9.6.1.4. 1) CNB 9.8.8.7. 1)
CGSB (Canadian General Standards Board)	CAN/CGSB-12.1-2017	Safety Glazing	NBC 3.3.1.20.(3) NBC 3.3.2.17.(1) NBC 3.3.2.17.(2) NBC 3.4.6.15.(1) NBC 3.4.6.15.(3) NBC 3.7.2.4.(1) NBC 9.6.1.2.(1) NBC 9.6.1.4.(1) NBC 9.6.1.4.(6) NBC 9.8.8.7.(1) NBC Table 5.9.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
ONGC (Office des normes générales du Canada)	CAN/CGSB-12.1-2017	Vitrage de sécurité	CNB 3.3.1.20. 3) CNB 3.3.2.17. 1) CNB 3.3.2.17. 2) CNB 3.4.6.15. 1) CNB 3.4.6.15. 3) CNB 3.7.2.4. 1) CNB 9.6.1.2. 1) CNB 9.6.1.4. 1) CNB 9.6.1.4. 6) CNB 9.8.8.7. 1) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-12.2-M91	Flat, Clear Sheet Glass	NBC 9.6.1.2.(1) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-12.2-M91	Verre à vitres plat et clair	CNB 9.6.1.2. 1) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-12.20-M89	Structural Design of Glass for Buildings	NBC 4.3.6.1.(1) NBC 9.6.1.3.(1) NBC A-9.6.1.3.(2)
ONGC (Office des normes générales du Canada)	CAN/CGSB-12.20-M89	Règles de calcul du verre à vitre pour le bâtiment	CNB 4.3.6.1. 1) CNB 9.6.1.3. 1) CNB A-9.6.1.3. 2)
CGSB (Canadian General Standards Board)	CAN/CGSB-12.3-M91	Flat, Clear Float Glass	NBC 9.6.1.2.(1) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-12.3-M91	Verre flotté, plat et clair	CNB 9.6.1.2. 1) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-12.4-M91	Heat Absorbing Glass	NBC 9.6.1.2.(1) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-12.4-M91	Verre athermane	CNB 9.6.1.2. 1) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-12.8-97	Insulating glass units	NBC 9.6.1.2.(1) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-12.8-97	Vitrages isolants	CNB 9.6.1.2. 1) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-12.9-M91	Spandrel glass	NBC 9.6.1.2.(1) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-12.9-M91	Verre de tympan	CNB 9.6.1.2. 1) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-149.10- <del>2019</del> 2024	Determination of the airtightness of building envelopes by the fan depressurization method	NBC 9.36.6.3.(1) NBC 9.36.6.3.(2)
ONGC (Office des normes générales du Canada)	CAN/CGSB-149.10- <del>2019</del> 2024	Détermination de l'étanchéité à l'air des enveloppes de bâtiment par la méthode de dépressurisation au moyen d'un ventilateur	CNB 9.36.6.3. 1) CNB 9.36.6.3. 2)
CGSB (Canadian General Standards Board)	CAN/CGSB-1.501-M89	Method for Permeance of Coated Wallboard	NBC 5.5.1.2.(2) NBC 9.25.4.2.(7)

Issuing Agency	Document Number	Title of Document	Code Reference
ONGC (Office des normes générales du Canada)	CAN/CGSB-1.501-M89	Méthode de détermination de la perméance des panneaux muraux revêtus	CNB 5.5.1.2. 2) CNB 9.25.4.2. 7)
CGSB (Canadian General Standards Board)	CAN/CGSB-19.22-M89	Mildew-Resistant Sealing Compound for Tubs and Tiles	NBC 9.29.10.5.(1)
ONGC (Office des normes générales du Canada)	CAN/CGSB-19.22-M89	Mastic d'étanchéité, résistant à la moisissure, pour baignoires et carreaux	CNB 9.29.10.5. 1)
CGSB (Canadian General Standards Board)	CAN/CGSB-37.50-M89	Hot-Applied, Rubberized Asphalt for Roofing and Waterproofing	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
ONGC (Office des normes générales du Canada)	CAN/CGSB-37.50-M89	Bitume caoutchouté, appliqué à chaud, pour le revêtement des toitures et l'imperméabilisation à l'eau	CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CGSB (Canadian General Standards Board)	CAN/CGSB-37.51-M90	Application for Hot-Applied Rubberized Asphalt for Roofing and Waterproofing	NBC 9.26.15.1.(1)
ONGC (Office des normes générales du Canada)	CAN/CGSB-37.51-M90	Application à chaud du bitume caoutchouté pour le revêtement des toitures et pour l'imperméabilisation à l'eau	CNB 9.26.15.1. 1)
CGSB (Canadian General Standards Board)	CAN/CGSB-37.54-95	Polyvinyl Chloride Roofing and Waterproofing Membrane	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
ONGC (Office des normes générales du Canada)	CAN/CGSB-37.54-95	Membrane de poly(chlorure de vinyle) pour le revêtement de toitures et l'imperméabilisation à l'eau	CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CGSB (Canadian General Standards Board)	CAN/CGSB-37.58-M86	Membrane, Elastomeric, Cold-Applied Liquid, for Non-Exposed Use in Roofing and Waterproofing	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
ONGC (Office des normes générales du Canada)	CAN/CGSB-37.58-M86	Membrane d'élastomère obtenue par liquide appliqué à froid, pour l'utilisation protégée dans le revêtement des toitures et l'imperméabilisation	CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CGSB (Canadian General Standards Board)	CAN/CGSB-41.24-95	Rigid Vinyl Siding, Soffits and Fascia	NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-41.24-95	Bardages, soffites et bordures de toit en vinyle rigide	CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-4.129-93	Carpet for Commercial Use	NBC D-3.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-4.129-93	Tapis pour utilisation commerciale	CNB D-3.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-51.25-M87	Thermal Insulation, Phenolic, Faced	NBC 9.25.2.2.(1) NBC Table 9.23.17.2.A

Issuing Agency	Document Number	Title of Document	Code Reference
ONGC (Office des normes générales du Canada)	CAN/CGSB-51.25-M87	Isolant thermique phénolique, avec revêtement	CNB 9.25.2.2. 1) CNB Tableau 9.23.17.2.A
CGSB (Canadian General Standards Board)	CAN/CGSB-51.32-M77	Sheathing, Membrane, Breather Type	NBC 9.20.13.9.(1) NBC 9.27.3.2.(1) NBC Table 5.9.1.1. NBC Table 9.26.2.1.A
ONGC (Office des normes générales du Canada)	CAN/CGSB-51.32-M77	Membrane de revêtement, perméable à la vapeur d'eau	CNB 9.20.13.9. 1) CNB 9.27.3.2. 1) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.A
CGSB (Canadian General Standards Board)	CAN/CGSB-51.33-M89	Vapour Barrier Sheet, Excluding Polyethylene, for Use in Building Construction	NBC 9.25.4.2.(5) NBC A-9.25.4.2.(6) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-51.33-M89	Pare-vapeur en feuille, sauf en polyéthylène, pour bâtiments	CNB 9.25.4.2. 5) CNB A-9.25.4.2. 6) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-51.34-M86	Vapour Barrier, Polyethylene Sheet for Use in Building Construction	NBC 9.13.2.2.(2) NBC 9.18.6.2.(1) NBC 9.25.3.2.(2) NBC 9.25.3.6.(1) NBC 9.25.4.2.(4) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-51.34-M86	Pare-vapeur en feuille de polyéthylène pour bâtiments	CNB 9.13.2.2. 2) CNB 9.18.6.2. 1) CNB 9.25.3.2. 2) CNB 9.25.3.6. 1) CNB 9.25.4.2. 4) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-51.71-2005	Depressurization Test	NBC 9.32.3.8.(7)
ONGC (Office des normes générales du Canada)	CAN/CGSB-51.71-2005	Essai de dépressurisation	CNB 9.32.3.8. 7)
CGSB (Canadian General Standards Board)	CAN/CGSB-71.26-M88	Adhesive for Field-Gluing Plywood to Lumber Framing for Floor Systems	NBC A-9.23.4.2.(2) NBC Table A-9.23.4.2.(2)C
ONGC (Office des normes générales du Canada)	CAN/CGSB-71.26-M88	Adhésif pour coller sur le chantier des contreplaqués à l'ossature en bois de construction des planchers	CNB A-9.23.4.2. 2) CNB Tableau A-9.23.4.2. 2)C
CGSB (Canadian General Standards Board)	CAN/CGSB-7.2-94	Adjustable Steel Columns	NBC 9.17.3.4.(1) NBC A-9.17.3.4.
ONGC (Office des normes générales du Canada)	CAN/CGSB-7.2-94	Poteaux d'acier réglables	CNB 9.17.3.4. 1) CNB A-9.17.3.4.
CGSB (Canadian General Standards Board)	CAN/CGSB-82.6-M86	Doors, Mirrored Glass, Sliding or Folding, Wardrobe	NBC 9.6.1.2.(2) NBC A-9.6.1.2.(2)
ONGC (Office des normes générales du Canada)	CAN/CGSB-82.6-M86	Portes-miroirs coulissantes ou pliantes pour placards	CNB 9.6.1.2. 2) CNB A-9.6.1.2. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
CGSB (Canadian General Standards Board)	CAN/CGSB-92.2-M90	Trowel or Spray Applied Acoustical Material	NBC D-2.3.4.
ONGC (Office des normes générales du Canada)	CAN/CGSB-92.2-M90	Matières acoustiques appliquées à la truelle ou au vaporisateur	CNB D-2.3.4.
CGSB (Canadian General Standards Board)	CAN/CGSB-93.1-M85	Sheet, Aluminum Alloy, Prefinished, Residential	NBC 9.27.11.1.(3) NBC A-9.27.11.1.(2) and (3) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-93.1-M85	Tôle d'alliage d'aluminium préfinie, pour bâtiments résidentiels	CNB 9.27.11.1. 3) CNB A-9.27.11.1. 2) et 3) CNB Tableau 5.9.1.1.
CGSB (Canadian General Standards Board)	CAN/CGSB-93.2-M91	Prefinished Aluminum Siding, Soffits, and Fascia, for Residential Use	NBC 3.2.3.6.(5) NBC 9.10.14.5.(12) NBC 9.10.14.5.(8) NBC 9.10.15.5.(11) NBC 9.10.15.5.(7) NBC 9.27.11.1.(2) NBC A-9.27.11.1.(2) and (3) NBC Table 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN/CGSB-93.2-M91	Bardage, soffites et bordures de toit en aluminium préfini pour bâtiments résidentiels	CNB 3.2.3.6. 5) CNB 9.10.14.5. 12) CNB 9.10.14.5. 8) CNB 9.10.15.5. 11) CNB 9.10.15.5. 7) CNB 9.27.11.1. 2) CNB A-9.27.11.1. 2) et 3) CNB Tableau 5.9.1.1.
ONGC (Office des normes générales du Canada)	CAN2-4.162-FM80 (anciennement CAN/CGSB-4.162-M80)	Textiles utilisés dans les hôpitaux - Exigences de résistance à l'inflammabilité	CNPI 2.3.2.3. 1)
CGSB (Canadian General Standards Board)	CAN2-4.162-M80 (formerly CAN/CGSB-4.162-M80)	Hospital Textiles - Flammability Performance Requirements	NFC 2.3.2.3.(1)
CGSB (Canadian General Standards Board)	37-GP-55M-1979	Application of Sheet Applied Flexible Polyvinyl Chloride Roofing Membrane	NBC 9.26.16.1.(1)
ONGC (Office des normes générales du Canada)	37-GP-55M-1979	Application de la membrane en feuilles souples de poly(chlorure de vinyle) pour le revêtement des toitures	CNB 9.26.16.1. 1)
CGSB (Canadian General Standards Board)	37-GP-56M-1985	Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing	NBC 9.13.3.2.(2) NBC Table 9.26.2.1.B
ONGC (Office des normes générales du Canada)	37-GP-56M-1985	Membrane bitumineuse modifiée, préfabriquée et renforcée, pour le revêtement des toitures	CNB 9.13.3.2. 2) CNB Tableau 9.26.2.1.B

Issuing Agency	Document Number	Title of Document	Code Reference
CGSB (Canadian General Standards Board)	37-GP-9Ma-1983	Primer, Asphalt, Unfilled, for Asphalt Roofing, Dampproofing and Waterproofing	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.A
ONGC (Office des normes générales du Canada)	37-GP-9Ma-1983	Bitume non fillerisé pour couche de base des revêtements de toitures et pour l'imperméabilisation à l'humidité et à l'eau	CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.A
CGSB (Canadian General Standards Board)	4-GP-36M-1978	Carpet Underlay, Fiber Type	NBC D-3.1.1.
ONGC (Office des normes générales du Canada)	4-GP-36M-1978	Thibaude, type fibre	CNB D-3.1.1.
CGSB (Canadian General Standards Board)	51-GP-27M-1979	Thermal Insulation, Polystyrene, Loose Fill	NBC 9.25.2.2.(1)
ONGC (Office des normes générales du Canada)	51-GP-27M-1979	Isolant thermique, polystyrène, à bourrage lâche	CNB 9.25.2.2. 1)
CISC (Canadian Institute of Steel Construction)	2018	Crane-Supporting Steel Structures: Design Guide (Third Edition)	NBC A-4.1.3.2.(2) CNB A-4.1.3.2. 2)
CMHC (Canada Mortgage and Housing Corporation)	1988	Air Permeance of Building Materials	NBC Table A-9.25.5.1.(1)
SCHL (Société canadienne d'hypothèques et de logement)	1988	Perméance des matériaux de construction à l'air	CNB Tableau A-9.25.5.1. 1)
CMHC (Canada Mortgage and Housing Corporation)	1993	Testing of Fresh Air Mixing Devices	NBC A-9.32.3.4.
SCHL (Société canadienne d'hypothèques et de logement)	1993	Essais de mélangeurs d'air frais	CNB A-9.32.3.4.
CCSN (Commission canadienne de sûreté nucléaire [remplace la Commission de contrôle de l'énergie atomique])	L.C. 1997, ch. 9	Loi sur la sûreté et la réglementation nucléaires	CNPI 3.1.1.2. 1)
CNSC (Canadian Nuclear Safety Commission (formerly AECB – Atomic Energy Control Board))	S.C. 1997, c. 9	Nuclear Safety and Control Act	NFC 3.1.1.2.(1)
CSA (Canadian Standards Association)	AAMA/WDMA/CSA 101/I.S.2/A440-17:22	North American Fenestration Standard/Specification for windows, doors, and skylights	NBC 5.9.2.2.(1) NBC 9.36.2.9.(3) NBC 9.7.4.1.(1) NBC 9.7.4.2.(1) NBC 9.7.5.1.(1) NBC 9.7.5.3.(1) NBC A-5.3.1.2. NBC A-5.9.2.3.(1) NBC A-5.9.3.1.(1) NBC A-9.7.4.2.(1) NBC Table 9.7.3.3. NECB 3.2.4.3.(4) NECB 3.2.4.3.(5)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	AAMA/WDMA/CSA 101/I.S.2/A440-17:22	Norme nord-américaine sur les fenêtres/Spécification relative aux fenêtres, aux portes et aux lanterneaux	CNB 5.9.2.2. 1) CNB 9.36.2.9. 3) CNB 9.7.4.1. 1) CNB 9.7.4.2. 1) CNB 9.7.5.1. 1) CNB 9.7.5.3. 1) CNB A-5.3.1.2. CNB A-5.9.2.3. 1) CNB A-5.9.3.1. 1) CNB A-9.7.4.2. 1) CNB Tableau 9.7.3.3. CNÉB 3.2.4.3. 4) CNÉB 3.2.4.3. 5)
CSA (Canadian Standards Association)	CSA/ANSI/CSA-B149.6-15:20	Code for digester gas, landfill gas, and biogas generation and utilization	NBC 2.2.8.1.(3)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CSA/ANSI/CSA-B149.6-15:20	Code <b>visantsur</b> la production et l'utilisation des gaz de digestion, <b>des</b> gaz d'enfouissement et <b>des</b> biogaz	CNB 2.2.8.1. 3)
CSA (Canadian Standards Association)	A123.17-05	Asphalt Glass Felt Used in Roofing and Waterproofing	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CSA (Canadian Standards Association)	A123.22-08	Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection	NBC Table 9.26.2.1.B CNB Tableau 9.26.2.1.B
CSA (Canadian Standards Association)	A123.23-15	Product specification for polymer-modified bitumen sheet, prefabricated and reinforced	NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
CSA (Association canadienne de normalisation/Canadian Standards Association)	A123.23-15	Spécification de produit pour les feuilles en bitume modifié par polymère, préfabriquées et armées	CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CSA (Canadian Standards Association)	A123.3-05	Asphalt Saturated Organic Roofing Felt	NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
CSA (Association canadienne de normalisation/Canadian Standards Association)	A123.3-05	Feutre organique à toiture imprégné à coeur de bitume	CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CSA (Canadian Standards Association)	A123.51-14	Asphalt shingle application on roof slopes 1:6 and steeper	NBC 9.26.1.3.(1) NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A123.51-14	Pose de bardeaux d'asphalte sur des pentes de toit de 1:6 et plus	CNB 9.26.1.3. 1) CNB Tableau 5.9.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	A123.5:16	Asphalt shingles made from glass felt and surfaced with mineral granules	NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
CSA (Association canadienne de normalisation/Canadian Standards Association)	A123.5:16	Bardeaux d'asphalte en feutre de fibres de verre et à surfacage minéral	CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CSA (Canadian Standards Association)	A165.1-14	Concrete block masonry units	NBC 9.15.2.2.(1) NBC 9.17.5.1.(1) NBC 9.20.2.1.(1) NBC 9.20.2.6.(1) NBC D-2.1.1. NBC Table 5.9.1.1. NBC Table A-9.11.1.4.A NBC Table A-9.11.1.4.C
CSA (Association canadienne de normalisation/Canadian Standards Association)	A165.1-14	Éléments de maçonnerie en bloc de béton	CNB 9.15.2.2. 1) CNB 9.17.5.1. 1) CNB 9.20.2.1. 1) CNB 9.20.2.6. 1) CNB D-2.1.1. CNB Tableau 5.9.1.1. CNB Tableau A-9.11.1.4.A CNB Tableau A-9.11.1.4.C
CSA (Canadian Standards Association)	A165.2-14	Concrete Brick Masonry Units	NBC 9.20.2.1.(1) NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A165.2-14	Briques en béton	CNB 9.20.2.1. 1) CNB Tableau 5.9.1.1.
CSA (Canadian Standards Association)	A165.3-14	Prefaced concrete masonry units	NBC 9.20.2.1.(1) NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A165.3-14	Éléments de maçonnerie en béton glacés	CNB 9.20.2.1. 1) CNB Tableau 5.9.1.1.
CSA (Canadian Standards Association)	A23.1: <b>1924</b>	Concrete materials and methods of concrete construction	NBC 2.3.2.5.(5) NBC 4.2.3.6.(1) NBC 4.2.3.9.(1) NBC 9.3.1.1.(1) NBC 9.3.1.1.(4) NBC 9.3.1.3.(1) NBC 9.3.1.4.(1) NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A23.1: <b>1924</b>	<del>Béton - constituants</del> <b>Concrete et materials execution and des methods travaux of concrete construction</b>	CNB 2.3.2.5. 5) CNB 4.2.3.6. 1) CNB 4.2.3.9. 1) CNB 9.3.1.1. 1) CNB 9.3.1.1. 4) CNB 9.3.1.3. 1) CNB 9.3.1.4. 1) CNB Tableau 5.9.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	A23.1:1924/A23.2:1924	Concrete materials and methods of concrete construction/Test methods and standard practices for concrete	NBC D-1.4.3.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A23.1:1924/A23.2:1924	<b>Béton - constituants</b> Concrete <b>et matériaux</b> <b>exécution</b> and <b>des méthodes travaux</b> of concrete <b>construction/Procédures</b> Test <b>d'essai</b> methods <b>et</b> and <b>pratiques</b> standard <b>normalisées</b> practices <b>pour</b> for <b>le</b> <b>béton</b> concrete	CNB D-1.4.3.
CSA (Canadian Standards Association)	A23.3:1924	Design of concrete structures	NBC 4.1.8.18.(7) NBC 4.3.3.1.(1) NBC A-4.1.3.2.(4) NBC A-4.1.8.16.(1) NBC A-4.1.8.16.(4) NBC A-4.3.3.1.(1) NBC D-2.1.5. NBC D-2.6.6. NBC D-2.8.2. NBC Table 4.1.8.9.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A23.3:1924	<b>Calcul</b> Design <b>des</b> of <b>ouvrages</b> concrete <b>en</b> <b>béton</b> structures	CNB 4.1.8.18. 7) CNB 4.3.3.1. 1) CNB A-4.1.3.2. 4) CNB A-4.1.8.16. 1) CNB A-4.1.8.16. 4) CNB A-4.3.3.1. 1) CNB D-2.1.5. CNB D-2.6.6. CNB D-2.8.2. CNB Tableau 4.1.8.9.
CSA (Canadian Standards Association)	A23.4-16	Precast concrete – Materials and construction	NBC A-4.3.3.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	A23.4-16	Béton préfabriqué – Constituants et exécution des travaux	CNB A-4.3.3.1. 1)
CSA (Canadian Standards Association)	A257.1:19	Non-reinforced circular concrete culvert, storm drain, sewer pipe, and fittings	NPC 2.2.5.2.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.2. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	A257.2:19	Reinforced circular concrete culvert, storm drain, sewer pipe, and fittings	NPC 2.2.5.2.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.2. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	A257.3:19	Joints for circular concrete sewer and culvert pipe, manhole sections, and fittings using rubber gaskets	NPC 2.2.5.2.(2) CNP 2.2.5.2. 2)
CSA (Canadian Standards Association)	A257.4:19	Precast reinforced circular concrete manhole sections, catch basins, and fittings	NPC 2.2.5.2.(5) CNP 2.2.5.2. 5)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	A277-16	Procedure for certification of prefabricated buildings, modules, and panels	NBC A-1.1.1.1.(2) of Division A
CSA (Association canadienne de normalisation/Canadian Standards Association)	A277-16	Mode opératoire visant la certification des bâtiments, des modules et des panneaux préfabriqués	CNB A-1.1.1.1. 2) de la division A
CSA (Canadian Standards Association)	A3001- <del>18</del> : <b>23</b>	Cementitious Materials for Use in Concrete	NBC 9.28.2.1.(1) NBC 9.3.1.2.(1) NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A3001- <del>18</del> : <b>23</b>	<b>Matériaux</b> Compendium des <b>matériaux</b> liants <b>utilisés dans le béton</b>	CNB 9.28.2.1. 1) CNB 9.3.1.2. 1) CNB Tableau 5.9.1.1.
CSA (Canadian Standards Association)	A440S1:19	Canadian Supplement to AAMA/WDMA/CSA 101/I.S.2/A440-17, North American Fenestration Standard/Specification for windows, doors, and skylights	NBC 5.9.2.2.(1) NBC 5.9.3.5.(3) NBC 9.36.2.9.(3) NBC 9.7.4.2.(1) NBC A-5.9.2.2. NBC A-5.9.3.5.(3) NBC A-9.7.4.2.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440S1:19	Supplément canadien à AAMA/WDMA/CSA 101/I.S.2/A440-17, Norme nord-américaine sur les fenêtres/Spécification relative aux fenêtres, aux portes et aux lanterneaux	CNB 5.9.2.2. 1) CNB 5.9.3.5. 3) CNB 9.36.2.9. 3) CNB 9.7.4.2. 1) CNB A-5.9.2.2. CNB A-5.9.3.5. 3) CNB A-9.7.4.2. 1)
CSA (Canadian Standards Association)	A440.2:19	Fenestration energy performance	NBC A-5.3.1.2. NBC A-5.9.3.3.(1) NBC A-9.7.4.2.(1) NBC Table 9.36.8.6.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440.2:19	Rendement énergétique des systèmes de fenêtrage	CNB A-5.3.1.2. CNB A-5.9.3.3. 1) CNB A-9.7.4.2. 1) CNB Tableau 9.36.8.6.
CSA (Canadian Standards Association)	A440.2: <del>1922</del> /A440.3: <del>1922</del>	Fenestration energy performance/User <b>guide</b> <b>Guide</b> to CSA A440.2: <del>1922</del> , Fenestration energy performance	NBC 9.36.2.2.(3) NBC A-Table 9.36.2.7.-A NBC Table 9.7.3.3. NECB 3.1.1.5.(3) NECB A-3.1.1.6.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440.2: <del>1922</del> /A440.3: <del>1922</del>	Rendement énergétique des systèmes de fenêtrage/Guide d'utilisation de CSA A440.2: <del>1922</del> , Rendement énergétique des systèmes de fenêtrage	CNB 9.36.2.2. 3) CNB A-Tableau 9.36.2.7.-A CNB Tableau 9.7.3.3. CNÉB 3.1.1.5. 3) CNÉB A-3.1.1.6. 1)
CSA (Canadian Standards Association)	A440.3:19	User guide to CSA A440.2:19, Fenestration energy performance	NBC A-5.3.1.2.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440.3:19	Guide d'utilisation de CSA A440.2:19, Rendement énergétique des systèmes de fenêtrage	CNB A-5.3.1.2.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	A440.4:19	Window, door, and skylight installation	NBC 9.7.6.1.(1) NBC A-5.9.2.3.(1) NBC A-9.7.4.2.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440.4:19	Installation des fenêtres, des portes et des lanterneaux	CNB 9.7.6.1. 1) CNB A-5.9.2.3. 1) CNB A-9.7.4.2. 1)
CSA (Canadian Standards Association)	A60.1-M1976	Vitrified Clay Pipe	NPC 2.2.5.3.(1) NPC A-2.2.5. to 2.2.8.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A60.1-M1976	Tuyaux en grès vitrifié	CNP 2.2.5.3. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	A60.3-M1976	Vitrified Clay Pipe Joints	NPC 2.2.5.3.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	A60.3-M1976	Joints des tuyaux en grès vitrifié	CNP 2.2.5.3. 2)
CSA (Canadian Standards Association)	A660-10	Certification of manufacturers of steel building systems	NBC 4.3.4.3.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	A660-10	Certification des fabricants de systèmes de bâtiment en acier	CNB 4.3.4.3. 1)
CSA (Canadian Standards Association)	A82.22-M1977	Gypsum Plasters	NBC D-3.1.1. CNB D-3.1.1.
CSA (Canadian Standards Association)	A82.30-M1980	Interior Furring, Lathing and Gypsum Plastering	NBC 9.29.4.1.(1) NBC D-1.7.2. NBC D-2.3.9. NBC D-2.5.1. CNB 9.29.4.1. 1) CNB D-1.7.2. CNB D-2.3.9. CNB D-2.5.1.
CSA (Canadian Standards Association)	A82.31-M1980	Gypsum Board Application	NBC 3.2.3.6.(5) NBC 9.10.12.4.(3) NBC 9.10.14.5.(12) NBC 9.10.14.5.(8) NBC 9.10.15.5.(11) NBC 9.10.15.5.(7) NBC 9.10.9.2.(5) NBC 9.29.5.1.(2) NBC Table 9.10.3.1.-A
CSA (Association canadienne de normalisation/Canadian Standards Association)	A82.31-M1980	Pose des plaques de plâtre	CNB 3.2.3.6. 5) CNB 9.10.12.4. 3) CNB 9.10.14.5. 12) CNB 9.10.14.5. 8) CNB 9.10.15.5. 11) CNB 9.10.15.5. 7) CNB 9.10.9.2. 5) CNB 9.29.5.1. 2) CNB Tableau 9.10.3.1.-A

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	B108- <del>18:23</del> <b>PACKAGE</b>	<del>Natural</del> <b>Consists of CSA B108.1:23, Compressed natural gas refuelling stations installation code and CSA B108.2:23, Liquefied natural gas refueling stations installation code</b>	NFC 4.6.1.1.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	<b>COLLECTION</b> B108- <del>18:23</del>	<b>Contient CSA B108.1:23, Code d'installation des centres de ravitaillement en gaz naturel comprimé et CSA B108.2:23, Code d'installation des centres de ravitaillement en gaz naturel liquéfié</b>	CNPI 4.6.1.1. 2)
CSA (Canadian Standards Association)	B111-1974	Wire Nails, Spikes and Staples	NBC 9.23.3.1.(1) NBC 9.26.2.3.(1) NBC 9.29.5.6.(1) NBC A-Table 9.23.3.5.-B CNB 9.23.3.1. 1) CNB 9.26.2.3. 1) CNB 9.29.5.6. 1) CNB A-Tableau 9.23.3.5.-B
CSA (Canadian Standards Association)	B125.3- <del>18:22</del>	Plumbing fittings	NPC 2.2.10.6.(1) NPC 2.2.10.7.(2) NPC 2.2.10.7.(3) NPC A-2.6.1.11.(1) CNP 2.2.10.6. 1) CNP 2.2.10.7. 2) CNP 2.2.10.7. 3) CNP A-2.6.1.11. 1)
CSA (Canadian Standards Association)	B137.10- <del>17:23</del>	Crosslinked polyethylene/aluminum/crosslinked polyethylene (PEX-AL-PEX) composite pressure-pipe systems	NPC 2.2.5.12.(4) NPC 2.2.5.13.(1) NPC A-2.2.5. to 2.2.8. NPC A-2.2.5.13.(1) CNP 2.2.5.12. 4) CNP 2.2.5.13. 1) CNP A-2.2.5. à 2.2.8. CNP A-2.2.5.13. 1)
CSA (Canadian Standards Association)	B137.11- <del>17:23</del>	Polypropylene (PP-R <b>and PP-RCT</b> ) pipe and fittings for pressure applications	NPC 2.2.5.14.(1) NPC A-2.2.5. to 2.2.8. NPC A-2.2.5.14.(1) CNP 2.2.5.14. 1) CNP A-2.2.5. à 2.2.8. CNP A-2.2.5.14. 1)
CSA (Canadian Standards Association)	B137.1- <del>17:23</del>	Polyethylene (PE) pipe, tubing, and fittings for cold-water pressure services	NPC 2.2.5.4.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.4. 1) CNP A-2.2.5. à 2.2.8.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	B137.18- <del>17</del> :23	Polyethylene of raised temperature resistance (PE-RT) tubing systems for pressure applications	NPC 2.2.5.15.(1) NPC A-2.2.5. to 2.2.8. NPC A-2.2.5.15.(1) CNP 2.2.5.15. 1) CNP A-2.2.5. à 2.2.8. CNP A-2.2.5.15. 1)
CSA (Canadian Standards Association)	B137.2- <del>17</del> :23	Polyvinylchloride (PVC) injection-moulded gasketed fittings for pressure applications	NPC 2.2.5.7.(3) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.7. 3) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	B137.3- <del>17</del> :23	Rigid polyvinylchloride (PVC) pipe and fittings for pressure applications	NPC 2.2.5.7.(1) NPC A-2.2.5. to 2.2.8. CNP 2.2.5.7. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	B137.5- <del>17</del> :23	Crosslinked polyethylene (PEX) tubing systems for pressure applications	NPC 2.2.5.6.(1) NPC A-2.2.5. to 2.2.8. NPC A-2.2.5.6.(1) CNP 2.2.5.6. 1) CNP A-2.2.5. à 2.2.8. CNP A-2.2.5.6. 1)
CSA (Canadian Standards Association)	B137.6- <del>17</del> :23	Chlorinated polyvinylchloride (CPVC) pipe, tubing, and fittings for hot- and cold-water distribution systems	NPC 2.2.5.8.(1) NPC A-2.2.5. to 2.2.8. NPC A-2.2.5.9. to 2.2.5.11. CNP 2.2.5.8. 1) CNP A-2.2.5. à 2.2.8. CNP A-2.2.5.9. à 2.2.5.11.
CSA (Canadian Standards Association)	B137.9- <del>17</del> :23	Polyethylene/aluminum/polyethylene (PE-AL-PE) composite pressure-pipe systems	NPC 2.2.5.12.(1) NPC A-2.2.5. to 2.2.8. NPC A-2.2.5.12.(1) CNP 2.2.5.12. 1) CNP A-2.2.5. à 2.2.8. CNP A-2.2.5.12. 1)
CSA (Canadian Standards Association)	B139 Series: <del>19</del> 24	Installation code for oil-burning equipment	NBC 6.2.1.5.(1) NBC 9.31.6.2.(2) NBC 9.33.5.2.(1) NFC 4.1.1.1.(3) NFC 4.3.13.6.(1) NFC 5.6.1.10.(1) NFC A-4.1.1.1.(3)(b) NFC A-4.3.13.4.(1)(b)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	B139 Série:1924	Code d'installation des appareils de combustion au mazout	CNB 6.2.1.5. 1) CNB 9.31.6.2. 2) CNB 9.33.5.2. 1) CNPI 4.1.1.1. 3) CNPI 4.3.13.6. 1) CNPI 5.6.1.10. 1) CNPI A-4.1.1.1. 3)b) CNPI A-4.3.13.4. 1)b)
CSA (Canadian Standards Association)	B140.12-03:22	Oil-Burning fired Equipment: Service Water Heaters for Domestic Hot Water, Space Heating, and Swimming Pools	NBC Table 9.36.4.2. NECB Table 6.2.2.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B140.12-03:22	Appareils Chauffe-eau de combustion alimenté au mazout - Chauffe-eau pour usage d'habitation, pour le chauffage des locaux et pour le chauffage des piscines	CNB Tableau 9.36.4.2. CNÉB Tableau 6.2.2.1.
CSA (Canadian Standards Association)	B140.4:0422	Oil-Fired Warm Air Furnaces	NBC Table 9.36.3.10. NECB Table 5.2.12.1.O
CSA (Association canadienne de normalisation/Canadian Standards Association)	B140.4:0422	Générateurs d'air chaud alimentés au mazout	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-O
CSA (Canadian Standards Association)	B149.1-15	Natural gas and propane installation code	NBC 2.4.2.2.(2) NBC 6.2.1.5.(1) NBC 9.10.22.1.(1) NBC 9.31.6.2.(2) NBC 9.33.5.2.(1) NBC A-9.10.22. NFC 3.1.1.4.(2) NFC 3.1.1.4.(3) NFC 4.6.1.1.(2) NFC 5.6.1.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B149.1-15	Code d'installation du gaz naturel et du propane	CNB 2.4.2.2. 2) CNB 6.2.1.5. 1) CNB 9.10.22.1. 1) CNB 9.31.6.2. 2) CNB 9.33.5.2. 1) CNB A-9.10.22. CNPI 3.1.1.4. 2) CNPI 3.1.1.4. 3) CNPI 4.6.1.1. 2) CNPI 5.6.1.10. 1)
CSA (Canadian Standards Association)	B149.2-15	Propane storage and handling code	NFC 3.1.1.4.(2) NFC 3.2.8.2.(3) NFC 4.6.1.1.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B149.2-15	Code sur le stockage et la manipulation du propane	CNPI 3.1.1.4. 2) CNPI 3.2.8.2. 3) CNPI 4.6.1.1. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	B158.1-1976	Cast Brass Solder Joint Drainage, Waste and Vent Fittings	NPC 2.2.10.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B158.1-1976	Raccords d'évacuation, d'égout et de ventilation à joint soudé en laiton de fonte	CNP 2.2.10.1. 1)
CSA (Canadian Standards Association)	B181.1-18:24	Acrylonitrile-butadiene-styrene (ABS) drain, waste, and vent pipe and pipe fittings	NPC 2.2.5.10.(1) NPC 2.2.5.11.(1) NPC 2.2.5.9.(1) NPC 2.4.6.4.(5) NPC A-2.2.5. to 2.2.8. NPC A-2.2.5.9. to 2.2.5.11.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B181.1-18:24	Acrylonitrile-butadiene-styrene (ABS) drain, waste, and vent pipe and pipe fittings	CNP 2.2.5.10. 1) CNP 2.2.5.11. 1) CNP 2.2.5.9. 1) CNP 2.4.6.4. 5) CNP A-2.2.5. à 2.2.8. CNP A-2.2.5.9. à 2.2.5.11.
CSA (Canadian Standards Association)	B181.2-18:24	Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) drain, waste, and vent pipe and pipe fittings	NPC 2.2.5.10.(1) NPC 2.2.5.11.(1) NPC 2.2.5.16.(1) NPC 2.2.5.16.(2) NPC 2.2.5.9.(1) NPC 2.4.6.4.(5) NPC A-2.2.5. to 2.2.8. NPC A-2.2.5.9. to 2.2.5.11.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B181.2-18:24	Polyvinylchloride (PVC) and chlorinated polyvinylchloride (CPVC) drain, waste, and vent pipe and pipe fittings	CNP 2.2.5.10. 1) CNP 2.2.5.11. 1) CNP 2.2.5.16. 1) CNP 2.2.5.16. 2) CNP 2.2.5.9. 1) CNP 2.4.6.4. 5) CNP A-2.2.5. à 2.2.8. CNP A-2.2.5.9. à 2.2.5.11.
CSA (Canadian Standards Association)	B181.3-18:24	Polyolefin and polyvinylidene fluoride (PVDF) laboratory drainage systems	NPC 2.2.8.1.(1) NPC A-2.2.5. to 2.2.8.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B181.3-18:24	Polyolefin and polyvinylidene fluoride (PVDF) laboratory drainage systems	CNP 2.2.8.1. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	B182.1-18:24	Plastic drain and sewer pipe and pipe fittings	NBC 9.14.3.1.(1) NBC Table 5.9.1.1. NPC 2.2.5.9.(1) NPC 2.4.6.4.(5) NPC A-2.2.5. to 2.2.8.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	B182.1-18:24	Plastic drain and sewer pipe and pipe fittings	CNB 9.14.3.1. 1) CNB Tableau 5.9.1.1. CNP 2.2.5.9. 1) CNP 2.4.6.4. 5) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	B182.2-18:24	PSM type polyvinylchloride (PVC) sewer pipe and fittings	NPC 2.2.5.9.(1) NPC A-2.2.5. to 2.2.8.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B182.2-18:24	PSM type polyvinylchloride (PVC) sewer pipe and fittings	CNP 2.2.5.9. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	B182.4-18:24	Profile polyvinylchloride (PVC) sewer pipe and fittings	NPC 2.2.5.9.(1) NPC A-2.2.5. to 2.2.8.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B182.4-18:24	Profile polyvinylchloride (PVC) sewer pipe and fittings	CNP 2.2.5.9. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	B182.6-18:24	Profile polyethylene (PE) sewer pipe and fittings for leak-proof sewer applications	NPC 2.2.5.9.(1) NPC A-2.2.5. to 2.2.8.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B182.6-18:24	Profile polyethylene (PE) sewer pipe and fittings for leak-proof sewer applications	CNP 2.2.5.9. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	B182.8-18:24	Profile polyethylene (PE) storm sewer and drainage pipe and fittings	NPC 2.2.5.9.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B182.8-18:24	Profile polyethylene (PE) storm sewer and drainage pipe and fittings	CNP 2.2.5.9. 1)
CSA (Canadian Standards Association)	B214-16	Installation code for hydronic heating systems	NBC 6.2.1.1.(1) NBC 9.33.4.2.(1) NBC A-9.36.3.4.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B214-16	Code d'installation des systèmes de chauffage hydronique	CNB 6.2.1.1. 1) CNB 9.33.4.2. 1) CNB A-9.36.3.4. 1)
CSA (Canadian Standards Association)	B242-05	Groove- and Shoulder-Type Mechanical Pipe Couplings	NPC 2.2.10.4.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B242-05	Raccords mécaniques pour tuyaux à rainure et à épaulement	CNP 2.2.10.4. 1)
CSA (Canadian Standards Association)	B272-93	Prefabricated Self-Sealing Roof Vent Flashings	NPC 2.2.10.14.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B272-93	Solins d'évent de toit étanches préfabriqués	CNP 2.2.10.14. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	B306-M1977	Portable Fuel Tanks for Marine Use	NFC 4.2.3.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B306-M1977	Réservoirs de carburant portatifs pour bateaux	CNPI 4.2.3.1. 1)
CSA (Canadian Standards Association)	B346-M1980	Power-Operated Dispensing Devices for Flammable Liquids	NFC 4.6.3.1.(1) CNPI 4.6.3.1. 1)
CSA (Canadian Standards Association)	B355:19	Platform lifts and stair lifts for barrier-free access	NBC 3.8.3.7.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B355:19	Plates-formes et appareils élévateurs d'escalier pour un accès sans obstacles	CNB 3.8.3.7. 1)
CSA (Canadian Standards Association)	B365-17	Installation code for solid-fuel-burning appliances and equipment	NBC 6.2.1.5.(1) NBC 9.22.10.2.(1) NBC 9.31.6.2.(2) NBC 9.33.5.3.(1) NBC A-9.33.1.1.(2) NBC A-9.33.5.3.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B365-17	Code d'installation des appareils à combustibles solides et du matériel connexe	CNB 6.2.1.5. 1) CNB 9.22.10.2. 1) CNB 9.31.6.2. 2) CNB 9.33.5.3. 1) CNB A-9.33.1.1. 2) CNB A-9.33.5.3.
CSA (Canadian Standards Association)	B376-M1980	Portable Containers for Gasoline and Other Petroleum Fuels	NFC 4.2.3.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B376-M1980	Réservoirs portatifs pour l'essence et autres combustibles de pétrole	CNPI 4.2.3.1. 1)
CSA (Canadian Standards Association)	B415.1-10	Performance Testing of Solid-Fuel-Burning Heating Appliances	NBC Table 9.36.3.10. NECB Table 5.2.12.1.P
CSA (Association canadienne de normalisation/Canadian Standards Association)	B415.1-10	Essais de rendement des appareils de chauffage à combustibles solides	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-P
CSA (Canadian Standards Association)	B481.0-12	Material, design, and construction requirements for grease interceptors	NPC 2.2.3.2.(3)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B481.0-12	Exigences relatives aux matériaux, à la conception et à la construction des séparateurs de graisses	CNP 2.2.3.2. 3)
CSA (Canadian Standards Association)	B481.3-12	Sizing, selection, location, and installation of grease interceptors	NPC 2.2.3.2.(3)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B481.3-12	Choix de la taille, du modèle et de l'emplacement des séparateurs de graisses, et leur installation	CNP 2.2.3.2. 3)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	B481.4-12	Maintenance of grease interceptors	NPC A-2.2.3.2.(3)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B481.4-12	Entretien des séparateurs de graisses	CNP A-2.2.3.2. 3)
CSA (Canadian Standards Association)	B51: <del>1924</del>	Boiler, pressure vessel, and pressure piping code	NBC 6.2.1.5.(1) NBC 9.31.6.2.(2) NBC 9.33.5.2.(1) NFC 4.3.1.3.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B51: <del>1924</del>	<del>Code</del> Boiler, pressure <del>survessel,</del> and les <del>pression</del> chaudières, les <del>piping</del> appareils et les <del>tuyauteries sous pression</del> code	CNB 6.2.1.5. 1) CNB 9.31.6.2. 2) CNB 9.33.5.2. 1) CNPI 4.3.1.3. 2)
CSA (Canadian Standards Association)	B52: <del>1823</del>	Mechanical refrigeration code	NBC 6.2.1.5.(1) NBC 9.33.5.2.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B52: <del>1823</del>	Code sur la réfrigération mécanique	CNB 6.2.1.5. 1) CNB 9.33.5.2. 1)
CSA (Canadian Standards Association)	B55.1:15	Test method for measuring efficiency and pressure loss of drain water heat recovery units	NBC 9.36.5.12.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B55.1:15	Méthode d'essai pour la mesure de l'efficacité et de la perte de charge des récupérateurs de chaleur des eaux grises	CNB 9.36.5.12. 2)
CSA (Canadian Standards Association)	B602-16	Mechanical couplings for drain, waste, and vent pipe and sewer pipe	NPC 2.2.10.4.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B602-16	Joints mécaniques pour tuyaux d'évacuation, de ventilation et d'égout	CNP 2.2.10.4. 2)
CSA (Canadian Standards Association)	B620- <del>14:20</del>	Highway tanks and TC portable tanks for the transportation of dangerous goods	NFC 4.2.3.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B620- <del>14:20</del>	Citernes routières et citernes amovibles TC pour le transport des marchandises dangereuses	CNPI 4.2.3.1. 1)
CSA (Canadian Standards Association)	B64.0-11	Definitions, general requirements, and test methods for vacuum breakers and backflow preventers	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.0-11	Définitions, exigences générales et méthodes d'essai relatives aux casse-vide et aux dispositifs antirefoulement	CNP 2.2.10.10. 1)
CSA (Canadian Standards Association)	<del>CSA B64.10-17:23/CSA B64.10.1:23</del>	Selection and installation of backflow preventers/ <del>Maintenance and field testing of backflow preventers</del>	NPC 2.6.2.1.(3)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	<b>CSA B64.10-17:23/CSA B64.10.1:23</b>	Sélection et installation des dispositifs antirefoulement/ <b>Entretien et mise à l'essai à pied d'oeuvre des dispositifs antirefoulement</b>	CNP 2.6.2.1. 3)
CSA (Canadian Standards Association)	B64.1.1-11	Atmospheric vacuum breakers (AVB)	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.1.1-11	Casse-vide atmosphériques (C-VA)	CNP 2.2.10.10. 1)
CSA (Canadian Standards Association)	B64.1.2-11	Pressure vacuum breakers (PVB)	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.1.2-11	Casse-vide à pression (C-VP)	CNP 2.2.10.10. 1)
CSA (Canadian Standards Association)	B64.1.3-11	Spill-resistant pressure vacuum breakers (SRPVB)	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.1.3-11	Casse-vide à pression antidéversement (C-VPAD)	CNP 2.2.10.10. 1)
CSA (Canadian Standards Association)	B64.2-11	Hose connection vacuum breakers (HCVB)	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.2-11	Casse-vide à raccordement de flexible (C-VRF)	CNP 2.2.10.10. 1)
CSA (Canadian Standards Association)	B64.2.1-11	Hose connection vacuum breakers (HCVB) with manual draining feature	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.2.1-11	Casse-vide à raccordement de flexible (C-VRF) à vidange manuelle	CNP 2.2.10.10. 1)
CSA (Canadian Standards Association)	B64.2.2-11	Hose connection vacuum breakers (HCVB) with automatic draining feature	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.2.2-11	Casse-vide à raccordement de flexible (C-VRF) à vidange automatique	CNP 2.2.10.10. 1)
CSA (Canadian Standards Association)	B64.3-11	Dual check valve backflow preventers with atmospheric port (DCAP)	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.3-11	Dispositifs antirefoulement à deux clapets de retenue à orifice de décharge (DAROD)	CNP 2.2.10.10. 1)
CSA (Canadian Standards Association)	B64.4-11	Reduced pressure principle (RP) backflow preventers	NPC 2.2.10.10.(1) NPC 2.6.2.4.(2)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.4-11	Dispositif antirefoulement à pression réduite (DARPR)	CNP 2.2.10.10. 1) CNP 2.6.2.4. 2)
CSA (Canadian Standards Association)	B64.4.1-11	Reduced pressure principle backflow preventers for fire protection systems (RPF)	NPC 2.2.10.10.(1) NPC 2.6.2.4.(2) NPC 2.6.2.4.(4) NPC A-2.6.2.4.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.4.1-11	Dispositifs antirefoulement à pression réduite pour les systèmes de protection incendie (DARPRI)	CNP 2.2.10.10. 1) CNP 2.6.2.4. 2) CNP 2.6.2.4. 4) CNP A-2.6.2.4. 2)
CSA (Canadian Standards Association)	B64.5-11	Double check valve (DCVA) backflow preventers	NPC 2.2.10.10.(1) NPC 2.6.2.4.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.5-11	Dispositifs antirefoulement à deux clapets de retenue et robinets (DAR2CR)	CNP 2.2.10.10. 1) CNP 2.6.2.4. 2)
CSA (Canadian Standards Association)	B64.5.1-11	Double check valve backflow preventers for fire protection systems (DCVAF)	NPC 2.2.10.10.(1) NPC 2.6.2.4.(2) NPC A-2.6.2.4.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.5.1-11	Dispositifs antirefoulement à deux clapets de retenue et robinets pour les systèmes de protection incendie (DAR2CRI)	CNP 2.2.10.10. 1) CNP 2.6.2.4. 2) CNP A-2.6.2.4. 2)
CSA (Canadian Standards Association)	B64.6-11	Dual check valve (DuC) backflow preventers	NPC 2.2.10.10.(1) NPC 2.6.2.4.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.6-11	Dispositifs antirefoulement à deux clapets de retenue (DAR2C)	CNP 2.2.10.10. 1) CNP 2.6.2.4. 2)
CSA (Canadian Standards Association)	B64.6.1-11	Dual check valve backflow preventers for fire protection systems (DuCF)	NPC 2.2.10.10.(1) NPC 2.6.2.4.(2) NPC A-2.6.2.4.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.6.1-11	Dispositifs antirefoulement à deux clapets de retenue pour les systèmes de protection incendie (DAR2CI)	CNP 2.2.10.10. 1) CNP 2.6.2.4. 2) CNP A-2.6.2.4. 2)
CSA (Canadian Standards Association)	B64.7-11	Laboratory faucet vacuum breakers (LFVB)	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.7-11	Casse-vide pour robinet de laboratoire (C-VRL)	CNP 2.2.10.10. 1)
CSA (Canadian Standards Association)	B64.8-11	Dual check valve backflow preventers with intermediate vent (DuCV)	NPC 2.2.10.10.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.8-11	Dispositif antirefoulement à deux clapets de retenue à ventilation intermédiaire (DAR2CV)	CNP 2.2.10.10. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	B64.9-11	Single check valve backflow preventers for fire protection systems (SCVAF)	NPC 2.2.10.10.(1) NPC 2.6.2.4.(2) NPC A-2.6.2.4.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B64.9-11	Dispositif antirefoulement à un clapet de retenue pour les systèmes de protection incendie (DAr1CI)	CNP 2.2.10.10. 1) CNP 2.6.2.4. 2) CNP A-2.6.2.4. 2)
CSA (Canadian Standards Association)	B651-18	Accessible design for the built environment	NBC 3.3.1.19.(1) NBC 3.8.3.1.(1) NBC 3.8.3.3.(1) NBC 3.8.3.9.(1) NBC 3.8.3.9.(2) NBC A-3.8.3.1.(1) NBC Table 3.8.3.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B651-18	Conception accessible pour l'environnement bâti	CNB 3.3.1.19. 1) CNB 3.8.3.1. 1) CNB 3.8.3.3. 1) CNB 3.8.3.9. 1) CNB 3.8.3.9. 2) CNB A-3.8.3.1. 1) CNB Tableau 3.8.3.1.
CSA (Canadian Standards Association)	B70.1-03:23	Frames and <b>Covers</b> covers for <b>Maintenance</b> <b>maintenance</b> <b>Holes</b> holes and <b>Catchbasins</b> catchbasins	NPC 2.2.6.2.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	B70.1-03:23	<b>Cadres</b> Frames et <b>and</b> <b>couvercles</b> covers <b>de</b> for <b>regards</b> maintenance <b>de</b> holes <b>visite</b> and <b>et de bassins</b> <b>collecteurs</b> catchbasins	CNP 2.2.6.2. 1)
CSA (Canadian Standards Association)	B70-12	Cast iron soil pipe, fittings, and means of joining	NPC 2.2.6.1.(1) NPC 2.4.6.4.(5) NPC A-2.2.5. to 2.2.8.
CSA (Association canadienne de normalisation/Canadian Standards Association)	B70-12	Tuyaux et raccords d'évacuation d'eaux usées en fonte et méthodes de raccordement	CNP 2.2.6.1. 1) CNP 2.4.6.4. 5) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	CAN/CSA A82.27-M91	Gypsum Board	NBC 3.1.5.14.(6) NBC 3.1.5.15.(4) NBC 3.1.6.15.(1) NBC 3.1.6.6.(2) NBC D-1.5.1. NBC D-3.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA A82.27-M91	Plaques de plâtre	CNB 3.1.5.14. 6) CNB 3.1.5.15. 4) CNB 3.1.6.15. 1) CNB 3.1.6.6. 2) CNB D-1.5.1. CNB D-3.1.1.
CSA (Canadian Standards Association)	CAN/CSA-A123.16:04	Asphalt-coated glass-base sheets	NBC Table 5.9.1.1. NBC Table 9.26.2.1.B

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A123.16:04	Membranes d'étanchéité bitumées et à base de fibres de verre	CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CSA (Canadian Standards Association)	CAN/CSA-A123.2-03	Asphalt-Coated Roofing Sheets	NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A123.2-03	Feutre à toiture revêtu de bitume	CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CSA (Canadian Standards Association)	CAN/CSA-A123.21:14	Standard test method for the dynamic wind uplift resistance of membrane-roofing systems	NBC 5.2.2.2.(4) NBC A-5.2.2.2.(4)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A123.21:14	Méthode d'essai normalisée de la résistance dynamique à l'arrachement sous l'action du vent des systèmes de couverture à membrane	CNB 5.2.2.2. 4) CNB A-5.2.2.2. 4)
CSA (Canadian Standards Association)	CAN/CSA-A123.4-04	Asphalt for Constructing Built-Up Roof Coverings and Waterproofing Systems	NBC 9.13.2.2.(2) NBC 9.13.3.2.(2) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A123.4-04	Bitume utilisé pour l'imperméabilisation de revêtements multicouches pour toitures	CNB 9.13.2.2. 2) CNB 9.13.3.2. 2) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CSA (Canadian Standards Association)	CAN/CSA-A179-14	Mortar and Grout for Unit Masonry	NBC 9.15.2.2.(3) NBC 9.20.3.1.(1) NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A179-14	Mortier et coulis pour la maçonnerie en éléments	CNB 9.15.2.2. 3) CNB 9.20.3.1. 1) CNB Tableau 5.9.1.1.
CSA (Canadian Standards Association)	CAN/CSA-A220 Series-06	Concrete Roof Tiles	NBC 9.26.17.1.(1) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
CSA (Canadian Standards Association)	CAN/CSA-A324-M88	Clay Flue Liners	NBC 9.21.3.3.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A324-M88	Boisseries en argile pour conduits de fumée	CNB 9.21.3.3. 1)
CSA (Canadian Standards Association)	CAN/CSA-A370:14	Connectors for masonry	NBC A-9.21.4.5.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A370:14	Connecteurs pour la maçonnerie	CNB A-9.21.4.5. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	CAN/CSA-A371-14	Masonry Construction for Buildings	NBC 9.15.2.2.(3) NBC 9.20.15.2.(1) NBC 9.20.3.2.(7) NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A371-14	Maçonnerie des bâtiments	CNB 9.15.2.2. 3) CNB 9.20.15.2. 1) CNB 9.20.3.2. 7) CNB Tableau 5.9.1.1.
CSA (Canadian Standards Association)	CAN/CSA-A405-M87	Design and Construction of Masonry Chimneys and Fireplaces	NBC 9.21.3.5.(1) NBC 9.22.1.4.(1) NBC 9.22.5.2.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A405-M87	Conception et construction des foyers et cheminées en maçonnerie	CNB 9.21.3.5. 1) CNB 9.22.1.4. 1) CNB 9.22.5.2. 2)
CSA (Canadian Standards Association)	CAN/CSA-A82:14	Fired masonry brick made from clay or shale	NBC 9.20.2.1.(1) NBC D-2.6.1. NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A82:14	Brique de maçonnerie cuite en argile ou en schiste	CNB 9.20.2.1. 1) CNB D-2.6.1. CNB Tableau 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-A82.27-M91	Plaques de plâtre	CNB 3.1.5.14. 6) CNB 3.1.5.15. 4) CNB 3.1.6.15. 1) CNB 3.1.6.6. 2) CNB D-1.5.1. CNB D-3.1.1.
CSA (Canadian Standards Association)	CAN/CSA-B126.0-13	General requirements and methods of testing for water cisterns	NPC 2.7.2.4.(6)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-B126.0-13	Exigences générales et méthodes d'essai des réservoirs d'eau	CNP 2.7.2.4. 6)
CSA (Canadian Standards Association)	CAN/CSA-B126.1-13	Installation of water cisterns	NPC 2.7.2.4.(6)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-B126.1-13	Installation des réservoirs d'eau	CNP 2.7.2.4. 6)
CSA (Canadian Standards Association)	CAN/CSA-B127.3-18	Fibrocement drain, waste, and vent pipe and pipe fittings	NPC 2.2.5.1.(1) NPC A-2.2.5. to 2.2.8.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-B127.3-18	Fibrocement drain, waste, and vent pipe and pipe fittings	CNP 2.2.5.1. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	CAN/CSA-B128.1-06	Design and Installation of Non-Potable Water Systems	NPC 2.7.1.2.(1) NPC A-2.7.1.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-B128.1-06	Conception et installation des réseaux d'eau non potable	CNP 2.7.1.2. 1) CNP A-2.7.1.1. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	CAN/CSA-B211-00	Energy Efficiency of Oil-Fired Storage Tank Water Heaters	NBC Table 9.36.4.2. NECB Table 6.2.2.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-B211-00	Rendement énergétique des chauffe-eau au mazout à accumulation	CNB Tableau 9.36.4.2. CNÉB Tableau 6.2.2.1.
CSA (Canadian Standards Association)	<b>CANASSE 1003-23/CSA-B356-10:23</b>	Water pressure reducing valves for <b>domestic potable</b> water <b>supply distribution</b> systems	NPC 2.2.10.12.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	<b>CANASSE 1003-23/CSA-B356-10:23</b>	<b>Réducteurs de pression</b> <b>Water de pression</b> <b>reducing pour</b> <b>valves réseaux</b> <b>for domestiques</b> <b>potable d'alimentation</b> <b>water end</b> <b>distribution ea</b> <b>systems</b>	CNP 2.2.10.12. 1)
CSA (Canadian Standards Association)	CAN/CSA-B45 Series-02	Plumbing Fixtures	NPC 2.2.2.2.(1)
CSA (Canadian Standards Association)	CAN/CSA-B483.1-07	Drinking Water Treatment Systems	NPC 2.2.10.17.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-B483.1-07	Systèmes de traitement de l'eau potable	CNP 2.2.10.17. 1)
CSA (Canadian Standards Association)	CAN/CSA-B72-M87	Installation Code for Lightning Protection Systems	NBC 3.6.1.3.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-B72-M87	Code d'installation des paratonnerres	CNB 3.6.1.3. 1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-B72-M87	Code d'installation des paratonnerres	CNB 3.6.1.3. 1)
CSA (Canadian Standards Association)	CAN/CSA-C13256-1-01	Water-Source Heat Pumps - Testing and Rating for Performance - Part 1: Water-to-Air and Brine-to-Air Heat Pumps (Adopted ISO 13256-1:1998, first edition, 1998-08-15, with Canadian Deviations)	NBC Table 9.36.3.10. NECB Table 5.2.12.1.E
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C13256-1-01	Pompes à chaleur à eau - Essais et détermination des caractéristiques de performance - Partie 1 : Pompes à chaleur eau-air et eau glycolée-air (norme ISO 13256-1 : 1998 adoptée, première édition, 1998-08-15, avec exigences propres au Canada)	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-E
CSA (Canadian Standards Association)	CAN/CSA-C13256-2-01	Water-Source Heat Pumps - Testing and Rating for Performance - Part 2: Water-to-Water and Brine-to-Water Heat Pumps (Adopted ISO 13256-2:1998, first edition, 1998-08-15, with Canadian Deviations)	NBC Table 9.36.3.10. NECB Table 5.2.12.1.E

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C13256-2-01	Pompes à chaleur à eau - Essais et détermination des caractéristiques de performance - Partie 2 : Pompes à chaleur eau-eau et eau glycolée-eau (norme ISO 13256-2 : 1998 adoptée, première édition, 1998-08-15, avec exigences propres au Canada)	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-E
CSA (Canadian Standards Association)	CAN/CSA-C191-0413	Performance of <b>Electricelectric Storagestorage Tanktank Waterwater Heatersheaters for Domesticdomestic Hot Hot Waterwater Service</b>	NBC Table 9.36.4.2. NECB Table 6.2.2.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C191-0413	Fonctionnement des chauffe-eau électriques à accumulation pour usage domestique	CNB Tableau 9.36.4.2. CNÉB Tableau 6.2.2.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C22.2 N° 262-04	Canalisations pour câbles à fibres optiques et câbles de télécommunications	CNB 3.1.5.23. 1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C22.2 N° 61010-1-12	Règles de sécurité pour appareils électriques de mesure, de régulation et de laboratoire - Partie 1 : Exigences générales (norme trinationale avec UL 61010-1 et ANSI/ISA-61010-1 (82.02.01))	CNPI A-5.5.3.4. 1)
CSA (Canadian Standards Association)	CAN/CSA-C22.2 No. 150-M89	Microwave Ovens	NBC A-9.10.22.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C22.2 No. 150-M89	Fours à micro-ondes	CNB A-9.10.22.
CSA (Canadian Standards Association)	CAN/CSA-C22.2 No. 262-04	Optical Fiber Cable and Communication Cable Raceway Systems	NBC 3.1.5.23.(1)
CSA (Canadian Standards Association)	CAN/CSA-C22.2 No. 61010-1-12	Safety requirements for electrical equipment for measurement, control, and laboratory use - Part 1: General requirements (Tri-national standard, with UL 61010-1 and ANSI/ISA-61010-1 (82.02.01))	NFC A-5.5.3.4.(1)
CSA (Canadian Standards Association)	CAN/CSA-C260-M90	Rating the Performance of Residential Mechanical Ventilating Equipment	NBC 9.32.3.10.(1) NBC 9.32.3.10.(2) NBC Table 9.32.3.10.B
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C260-M90	Évaluation du rendement du matériel de ventilation mécanique pour habitations	CNB 9.32.3.10. 1) CNB 9.32.3.10. 2) CNB Tableau 9.32.3.10.B

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	CAN/CSA-C439-0918	<del>Standard laboratory</del> <b>Laboratory</b> methods of test for rating the performance of heat/energy-recovery ventilators	NBC 9.32.3.10.(4) NBC 9.32.3.10.(5) NBC 9.36.3.8.(4) NBC 9.36.3.9.(3) NBC A-9.36.3.9.(3) NECB 5.2.10.1.(5) NECB 5.2.10.4.(2) NECB A-5.2.10.4.(2) NECB Table 5.2.10.4.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C439-0918	<del>Méthode</del> <b>Méthodes</b> d'essai pour l'évaluation en laboratoire des performances des ventilateurs-récupérateurs de chaleur/énergie	CNB 9.32.3.10. 4) CNB 9.32.3.10. 5) CNB 9.36.3.8. 4) CNB 9.36.3.9. 3) CNB A-9.36.3.9. 3) CNÉB 5.2.10.1. 5) CNÉB 5.2.10.4. 2) CNÉB A-5.2.10.4. 2) CNÉB Tableau 5.2.10.4.
CSA (Canadian Standards Association)	CAN/CSA-C448 Series-13	Design and installation of earth energy systems	NBC 9.33.5.2.(1) CNB 9.33.5.2. 1)
CSA (Canadian Standards Association)	CAN/CSA-C654-14	Fluorescent lamp ballast efficacy measurements	NECB 4.2.1.2.(1) NECB 4.2.1.2.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C654-14	Mesures de rendement des ballasts de lampe fluorescente	CNÉB 4.2.1.2. 1) CNÉB 4.2.1.2. 2)
CSA (Canadian Standards Association)	CAN/CSA-C743-09	Performance standard for rating packaged water chillers	NECB Table 5.2.12.1.K NECB Table 5.2.12.1.L
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C743-09	Évaluation des performances des refroidisseurs d'eau monoblocs	CNÉB Tableau 5.2.12.1.-K CNÉB Tableau 5.2.12.1.-L
CSA (Canadian Standards Association)	CAN/CSA-C745-03	Energy Efficiency of Electric Storage Tank Water Heaters and Heat Pump Water Heaters	NBC Table 9.36.4.2. NBC Table 9.36.8.10. NECB Table 6.2.2.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C745-03	Rendement énergétique des chauffe-eau électriques à accumulation et des chauffe-eau à pompe à chaleur	CNB Tableau 9.36.4.2. CNB Tableau 9.36.8.10. CNÉB Tableau 6.2.2.1.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	CAN/CSA-C746-06:23	<b>Performance Energy Standard performance rating for Rating Large large and Single single Packaged packaged Vertical vertical Air air Conditioners conditioners and Heat heat Pumps pumps</b>	NBC Table 9.36.3.10. NECB Table 5.2.12.1.A NECB Table 5.2.12.1.B NECB Table 5.2.12.1.C NECB Table 5.2.12.1.D
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C746-06:23	Évaluation des performances <b>énergétiques</b> des climatiseurs et des thermopompes de grande puissance et <b>des climatiseurs</b> verticaux monoblocs	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-A CNÉB Tableau 5.2.12.1.-B CNÉB Tableau 5.2.12.1.-C CNÉB Tableau 5.2.12.1.-D
CSA (Canadian Standards Association)	CAN/CSA-C749-07	Performance of Dehumidifiers	NBC Table 9.36.3.10.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C749-07	Performances des déshumidificateurs	CNB Tableau 9.36.3.10.
CSA (Canadian Standards Association)	<b>CAN/CSA-C802.1-13:23</b>	Minimum efficiency values for liquid-filled distribution transformers	NECB 7.2.3.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	<b>CAN/CSA-C802.1-13:23</b>	Valeurs minimales de rendement pour les transformateurs de distribution à isolant liquide	CNÉB 7.2.3.1. 1)
CSA (Canadian Standards Association)	CAN/CSA-C802.2-18	Test method and minimum efficiency values for dry-type transformers	NECB 7.2.3.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C802.2:18	Méthode d'essai et valeurs minimales de rendement pour les transformateurs à sec	CNÉB 7.2.3.1. 1)
CSA (Canadian Standards Association)	CAN/CSA-C828-13	Performance requirements for thermostats used with individual room electric space heating devices	NBC 9.36.3.6.(3) NECB 5.2.8.6.(4)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C828-13	Exigences relatives aux performances des thermostats dédiés au chauffage électrique par pièce	CNB 9.36.3.6. 3) CNÉB 5.2.8.6. 4)
CSA (Canadian Standards Association)	CAN/CSA-C860-11	Performance of internally lighted exit signs	NECB 4.2.1.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-C860-11	Performances des enseignes de sortie à éclairage interne	CNÉB 4.2.1.1. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	<b>CAN/CSA-F326-M91:23</b>	Residential <b>Mechanicalmechanical Ventilationventilation Systemsystems</b>	NBC 9.32.3.1.(1) NBC A-9.32.3.1.(1) NBC A-9.32.3.5. NBC A-9.32.3.7. NBC A-9.32.3.8. NBC A-9.33.6.13.
CSA (Association canadienne de normalisation/Canadian Standards Association)	<b>CAN/CSA-F326-M91:23</b>	<b>VentilationSystèmes de ventilation</b> mécanique des habitations	CNB 9.32.3.1. 1) CNB A-9.32.3.1. 1) CNB A-9.32.3.5. CNB A-9.32.3.7. CNB A-9.32.3.8. CNB A-9.33.6.13.
CSA (Canadian Standards Association)	CAN/CSA-F379 SERIES-09 (excluding Supplement F379S1-11)	Packaged solar domestic hot water systems (liquid-to-liquid heat transfer)	NPC 2.2.10.13.(1) NECB 6.2.2.3.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-F379 SÉRIE-09 (à l'exclusion du Supplément F379S1-11)	Chauffe-eau solaires d'usage ménager intégrés (transfert de chaleur liquide-liquide)	CNP 2.2.10.13. 1) CNÉB 6.2.2.3. 1)
CSA (Canadian Standards Association)	CAN/CSA-F383-08	Installation of packaged solar domestic hot water systems	NPC 2.6.1.8.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-F383-08	Installation des chauffe-eau solaires d'usage ménager intégrés	CNP 2.6.1.8. 1)
CSA (Canadian Standards Association)	<b>CAN/CSA-G401-14:24</b>	Corrugated steel pipe <b>productsand buried structures</b>	NBC 9.14.3.1.(1) NBC Table 5.9.1.1. NPC 2.2.6.8.(1) NPC A-2.2.5. to 2.2.8.
CSA (Association canadienne de normalisation/Canadian Standards Association)	<b>CAN/CSA-G401-14:24</b>	Tuyaux en tôle ondulée <b>et ouvrages enfouis</b>	CNB 9.14.3.1. 1) CNB Tableau 5.9.1.1. CNP 2.2.6.8. 1) CNP A-2.2.5. à 2.2.8.
CSA (Canadian Standards Association)	CAN/CSA-O122-16	Structural glued-laminated timber	NBC Table 9.23.12.3.-D NBC Table 9.23.4.2.-K
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-O122-16	Bois de charpente lamellé-collé	CNB Tableau 9.23.12.3.-D CNB Tableau 9.23.4.2.-K
CSA (Canadian Standards Association)	CAN/CSA-O132.2 Series-90	Wood Flush Doors	NBC 9.7.4.3.(4)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-O132.2 Série-90	Portes planes en bois	CNB 9.7.4.3. 4)
CSA (Canadian Standards Association)	CAN/CSA-O80 Series-15	Wood preservation	NBC 3.1.4.5.(1) NBC 4.2.3.2.(1) NBC Table 5.9.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-O80 Série-15	Préservation du bois	CNB 3.1.4.5. 1) CNB 4.2.3.2. 1) CNB Tableau 5.9.1.1.
CSA (Canadian Standards Association)	CAN/CSA-O80.0-15	General requirements for wood preservation	NBC 4.2.3.2.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-O80.0-15	Exigences générales relatives à la préservation du bois	CNB 4.2.3.2. 2)
CSA (Canadian Standards Association)	CAN/CSA-O80.1-15	Specification of treated wood	NBC 4.2.3.2.(1) NBC 9.3.2.9.(5)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-O80.1-15	Rédaction de devis pour le bois traité	CNB 4.2.3.2. 1) CNB 9.3.2.9. 5)
CSA (Canadian Standards Association)	CAN/CSA-O80.2-15	Processing and treatment	NBC 4.2.3.2.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-O80.2-15	Traitement	CNB 4.2.3.2. 1)
CSA (Canadian Standards Association)	CAN/CSA-O80.3-15	Preservative formulations	NBC 4.2.3.2.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-O80.3-15	Formules relatives aux produits de préservation	CNB 4.2.3.2. 1)
CSA (Canadian Standards Association)	CAN/CSA-P.11-07	Testing Method for Measuring Efficiency and Energy Consumption of Gas-Fired Unit Heaters	NBC Table 9.36.3.10. NECB Table 5.2.12.1.O
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-P.11-07	Méthode d'essai pour mesurer l'efficacité et la consommation énergétique des aérothermes à gaz	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-O
CSA (Canadian Standards Association)	CAN/CSA-P.2-13	Testing method for measuring the annual fuel utilization efficiency of residential gas-fired or oil-fired furnaces and boilers	NBC Table 9.36.3.10. NECB Table 5.2.12.1.N NECB Table 5.2.12.1.O
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-P.2-13	Méthode d'essai pour mesurer le taux d'utilisation annuel de combustible des chaudières et générateurs d'air chaud à gaz ou à mazout résidentiels	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-N CNÉB Tableau 5.2.12.1.-O
CSA (Canadian Standards Association)	CAN/CSA-P.3-15	Testing method for measuring energy consumption and determining efficiencies of gas-fired and fuel oil-fired water heaters	NBC Table 9.36.4.2. NBC Table 9.36.8.10. NECB Table 6.2.2.1.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-P.3-15	Méthode d'essai pour mesurer la consommation d'énergie et le rendement énergétique des chauffe-eau au gaz et au mazout	CNB Tableau 9.36.4.2. CNB Tableau 9.36.8.10. CNÉB Tableau 6.2.2.1.
CSA (Canadian Standards Association)	<b>CAN/CSA-P.4.1-15:24</b>	Testing method for measuring <b>annual</b> fireplace efficiency	NBC Table 9.36.3.10. NECB Table 5.2.12.1.P
CSA (Association canadienne de normalisation/Canadian Standards Association)	<b>CAN/CSA-P.4.1-15:24</b>	Méthode d'essai pour mesurer l'efficacité <b>annuelle</b> des foyers	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-P
CSA (Canadian Standards Association)	<b>CAN/CSA-P.8-09:22</b>	Thermal efficiencies of industrial and commercial gas-fired package furnaces	NBC Table 9.36.3.10. NECB Table 5.2.12.1.O
CSA (Association canadienne de normalisation/Canadian Standards Association)	<b>CAN/CSA-P.8-09:22</b>	Rendement thermique des générateurs autonomes d'air chaud à gaz, industriels et commerciaux	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-O
CSA (Canadian Standards Association)	CAN/CSA-P.9-11	Test method for determining the performance of combined space and water heating systems (combos)	NBC 9.36.3.10.(3) NBC Table 9.36.3.10. NBC Table 9.36.4.2. NBC Table 9.36.5.15.C
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-P.9-11	Méthode d'essai pour déterminer le rendement des systèmes combinés de chauffage des locaux et de l'eau (combos)	CNB 9.36.3.10. 3) CNB Tableau 9.36.3.10. CNB Tableau 9.36.4.2. CNB Tableau 9.36.5.15.C
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-Série A220-06	Tuiles en béton pour couvertures	CNB 9.26.17.1. 1) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-Série B45-02	Appareils sanitaires	CNP 2.2.2.2. 1)
CSA (Canadian Standards Association)	CAN/CSA-S269.3-M92	Concrete Formwork	NBC 4.1.1.3.(4)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-S269.3-M92	Coffrages	CNB 4.1.1.3. 4)
CSA (Canadian Standards Association)	<b>CAN/CSA-S37-18:24</b>	Antennas, towers, and antenna-supporting structures	NBC 4.1.6.15.(1) NBC 4.1.7.11.(1) CNB 4.1.6.15. 1) CNB 4.1.7.11. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	CAN/CSA-Z317.2-15	Special requirements for heating, ventilation, and air-conditioning (HVAC) systems in health care facilities	NBC 6.2.1.1.(1) NBC 6.3.2.15.(6)
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN/CSA-Z317.2-15	Systèmes de chauffage, de ventilation et de conditionnement d'air (CVCA) dans les établissements de santé : exigences particulières	CNB 6.2.1.1. 1) CNB 6.3.2.15. 6)
CSA (Canadian Standards Association)	<del>CAN/CSA-Z662-15:23</del>	Oil and gas pipeline systems	NBC 3.2.3.22.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	<del>CAN/CSA-Z662-15:23</del>	Réseaux de canalisations de pétrole et de gaz	CNB 3.2.3.22. 1)
CSA (Canadian Standards Association)	CAN3-A93-M82	Natural Airflow Ventilators for Buildings	NBC 9.19.1.2.(5) NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	CAN3-A93-M82	Événements d'aération de bâtiments	CNB 9.19.1.2. 5) CNB Tableau 5.9.1.1.
CSA (Canadian Standards Association)	CSA B45.5- <del>17:22</del> /IAPMO Z124- <del>2017</del> <b>2022</b>	Plastic plumbing fixtures	NPC 2.2.2.2.(1) CNP 2.2.2.2. 1)
CSA (Canadian Standards Association)	<del>C22.1-18:24</del>	Canadian Electrical Code, Part I ( <del>24th</del> <b>26th edition</b> ), Safety Standard for Electrical Installations	NBC 2.2.1.15.(1) NBC 3.3.6.2.(4) NBC 3.6.1.2.(1) NBC 3.6.2.1.(6) NBC 3.6.2.7.(1) NBC 6.2.1.5.(1) NBC 9.31.6.2.(2) NBC 9.33.5.2.(1) NBC 9.34.1.1.(1) NBC A-3.1.4.3.(1)(b)(i) NBC A-3.2.4.20.(9)(a) NBC A-3.3.6.2.(4) NBC A-9.10.22. NBC A-9.34.2. NBC A-9.35.2.2.(1) NFC 2.14.1.1.(1) NFC 4.1.4.1.(1) NFC 4.1.4.1.(2) NFC 5.1.2.1.(1) NFC 5.1.2.2.(1) NFC 5.3.1.10.(2) NFC 5.3.1.2.(2) NFC 5.3.1.2.(3) NFC 5.5.3.4.(1) NFC 5.6.1.9.(3) NFC A-4.10.3.3.(1) NFC A-5.1.2.1.(1) NFC A-5.5.3.4.(1) NECB A-7.2.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	C22.1- <del>18</del> :24	Code canadien de l'électricité, <del>première</del> Première partie (vingt- <del>quatrième</del> sixième édition), <del>norme</del> Norme de sécurité relative aux installations électriques	CNB 2.2.1.15. 1) CNB 3.3.6.2. 4) CNB 3.6.1.2. 1) CNB 3.6.2.1. 6) CNB 3.6.2.7. 1) CNB 6.2.1.5. 1) CNB 9.31.6.2. 2) CNB 9.33.5.2. 1) CNB 9.34.1.1. 1) CNB A-3.1.4.3. 1)b)i) CNB A-3.2.4.20. 9)a) CNB A-3.3.6.2. 4) CNB A-9.10.22. CNB A-9.34.2. CNB A-9.35.2.2. 1) CNPI 2.14.1.1. 1) CNPI 4.1.4.1. 1) CNPI 4.1.4.1. 2) CNPI 5.1.2.1. 1) CNPI 5.1.2.2. 1) CNPI 5.3.1.10. 2) CNPI 5.3.1.2. 2) CNPI 5.3.1.2. 3) CNPI 5.5.3.4. 1) CNPI 5.6.1.9. 3) CNPI A-4.10.3.3. 1) CNPI A-5.1.2.1. 1) CNPI A-5.5.3.4. 1) CNÉB A-7.2.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	C22.2 N° 0.3-09	Test Methods for Electrical Wires and Cables	CNB 3.1.4.3. 1) CNB 3.1.4.3. 3) CNB 3.1.5.21. 1) CNB 3.1.5.21. 3) CNB 9.34.1.5. 1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	C22.2 N° 113- <del>10</del> :18	<del>Ventilateurs</del> Fans and ventilators	CNB 9.32.3.10. 7)
CSA (Association canadienne de normalisation/Canadian Standards Association)	C22.2 N° 141:15	Emergency Lighting Equipment	CNB 3.2.7.4. 2) CNB 3.4.5.1. 3) CNB 9.9.11.3. 3) CNB 9.9.12.3. 7)
CSA (Association canadienne de normalisation/Canadian Standards Association)	C22.2 N° 211.0-03	General Requirements and Methods of Testing for Nonmetallic Conduit	CNB 3.1.5.23. 1)
CSA (Canadian Standards Association)	C22.2 No. 0.3-09	Test methods for electrical wires and cables	NBC 3.1.4.3.(1) NBC 3.1.4.3.(3) NBC 3.1.5.21.(1) NBC 3.1.5.21.(3) NBC 9.34.1.5.(1)
CSA (Canadian Standards Association)	C22.2 No. 113- <del>10</del> :18	Fans and <del>Ventilators</del> ventilators	NBC 9.32.3.10.(7)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	C22.2 No. 141:15	Emergency lighting equipment	NBC 3.2.7.4.(2) NBC 3.4.5.1.(3) NBC 9.9.11.3.(3) NBC 9.9.12.3.(7)
CSA (Canadian Standards Association)	C22.2 No. 211.0-03	General Requirements and Methods of Testing for Nonmetallic Conduit	NBC 3.1.5.23.(1)
CSA (Canadian Standards Association)	C282- <del>15</del> :19	Emergency electrical power supply for buildings	NBC 3.2.7.5.(1) NFC 6.5.1.1.(1) NFC 6.5.1.4.(1) NFC A-6.5.1.1.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	C282- <del>15</del> :19	Alimentation électrique de secours des bâtiments	CNB 3.2.7.5. 1) CNPI 6.5.1.1. 1) CNPI 6.5.1.4. 1) CNPI A-6.5.1.1. 2)
CSA (Canadian Standards Association)	C368.1:14	Energy performance of room air conditioners	NBC Table 9.36.3.10. NECB Table 5.2.12.1.G
CSA (Association canadienne de normalisation/Canadian Standards Association)	C368.1:14	Rendement énergétique des climatiseurs individuels	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-G
CSA (Association canadienne de normalisation/Canadian Standards Association)	C390- <del>10</del> :22	<del>Méthodes</del> Méthode d'essai, exigences de marquage et niveaux de rendement énergétique pour les moteurs à induction triphasés	CNÉB 7.2.4.1. 1)
CSA (Canadian Standards Association)	C390: <del>10</del> 22	Test <del>methods</del> method, marking requirements, and energy efficiency levels for three-phase induction motors	NECB 7.2.4.1.(1)
CSA (Canadian Standards Association)	C656-14	Performance standard for split-system and single-package air conditioners and heat pumps	NBC Table 9.36.3.10. NECB Table 5.2.12.1.A NECB Table 5.2.12.1.I
CSA (Association canadienne de normalisation/Canadian Standards Association)	C656-14	Norme de rendement des climatiseurs et des thermopompes à deux blocs et monoblocs	CNB Tableau 9.36.3.10. CNÉB Tableau 5.2.12.1.-A CNÉB Tableau 5.2.12.1.-I
CSA (Canadian Standards Association)	C748-13	Performance of direct-expansion (DX) ground-source heat pumps	NBC Table 9.36.3.10. CNB Tableau 9.36.3.10. NECB Table 5.2.12.1.F CNÉB Tableau 5.2.12.1.-F
CSA (Canadian Standards Association)	C802.3-15	Minimum efficiency values for power transformers	NECB 7.2.3.1.(1)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	C802.3-15	Valeurs minimales de rendement pour les transformateurs de puissance	CNÉB 7.2.3.1. 1)
CSA (Canadian Standards Association)	C873.4-14	Building energy estimation methodology – Part 4 – Energy consumption for lighting	NECB 4.3.1.3.(1) NECB 4.3.1.3.(2) NECB 4.3.1.3.(3) NECB 4.3.1.3.(4) NECB 4.3.1.3.(5) CNÉB 4.3.1.3. 1) CNÉB 4.3.1.3. 2) CNÉB 4.3.1.3. 3) CNÉB 4.3.1.3. 4) CNÉB 4.3.1.3. 5)
CSA (Canadian Standards Association)	F280-12	Determining the required capacity of residential space heating and cooling appliances	NBC 9.33.5.1.(1) NBC A-9.36.3.2.(1) NBC A-9.36.5.15.(5)
CSA (Association canadienne de normalisation/Canadian Standards Association)	F280-12	Détermination de la puissance requise des appareils de chauffage et de refroidissement résidentiels	CNB 9.33.5.1. 1) CNB A-9.36.3.2. 1) CNB A-9.36.5.15. 5)
CSA (Canadian Standards Association)	G30.18-09	Carbon steel bars for concrete reinforcement	NBC 9.3.1.1.(4)
CSA (Association canadienne de normalisation/Canadian Standards Association)	G30.18-09	Barres d'acier au carbone pour l'armature du béton	CNB 9.3.1.1. 4)
CSA (Canadian Standards Association)	G40.21-13	Structural quality steel	NBC 4.2.3.8.(1) NBC 9.23.4.3.(2) NBC Table 5.9.1.1.
CSA (Association canadienne de normalisation/Canadian Standards Association)	G40.21-13	Acier de construction	CNB 4.2.3.8. 1) CNB 9.23.4.3. 2) CNB Tableau 5.9.1.1.
CSA (Canadian Standards Association)	O112.10-08	Evaluation of Adhesives for Structural Wood Products (Limited Moisture Exposure)	NBC D-2.3.6. NBC Table 9.10.3.1.-B CNB D-2.3.6. CNB Tableau 9.10.3.1.-B
CSA (Canadian Standards Association)	O112.9:10	Evaluation of adhesives for structural wood products (exterior exposure)	NBC Table 9.10.3.1.-B CNB Tableau 9.10.3.1.-B
CSA (Canadian Standards Association)	O118.1-08	Western Red Cedar Shakes and Shingles	NBC 9.27.7.1.(1) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
CSA (Association canadienne de normalisation/Canadian Standards Association)	O118.1-08	Bardeaux et bardeaux de fente en thuya géant	CNB 9.27.7.1. 1) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	O118.2-08	Eastern White Cedar Shingles	NBC 9.27.7.1.(1) NBC Table 5.9.1.1. NBC Table 9.26.2.1.B
CSA (Association canadienne de normalisation/Canadian Standards Association)	O118.2-08	Bardeaux en thuya occidental	CNB 9.27.7.1. 1) CNB Tableau 5.9.1.1. CNB Tableau 9.26.2.1.B
CSA (Canadian Standards Association)	O121-17	Douglas fir plywood	NBC 9.23.15.2.(1) NBC 9.23.16.2.(1) NBC 9.27.8.1.(1) NBC 9.30.2.2.(1) NBC D-3.1.1. NBC Table 5.9.1.1.1. NBC Table 9.23.12.3.-A NBC Table 9.23.12.3.-B NBC Table 9.23.12.3.-C NBC Table 9.23.17.2.A
CSA (Association canadienne de normalisation/Canadian Standards Association)	O121-17	Contreplaqué en sapin de Douglas	CNB 9.23.15.2. 1) CNB 9.23.16.2. 1) CNB 9.27.8.1. 1) CNB 9.30.2.2. 1) CNB D-3.1.1. CNB Tableau 5.9.1.1. CNB Tableau 9.23.12.3.-A CNB Tableau 9.23.12.3.-B CNB Tableau 9.23.12.3.-C CNB Tableau 9.23.17.2.A
CSA (Canadian Standards Association)	O141:05	Softwood Lumber	NBC 9.3.2.6.(1) NBC A-9.3.2.1.(1) NBC D-2.3.6. NBC D-2.4.1. NBC Table 5.9.1.1. CNB 9.3.2.6. 1) CNB A-9.3.2.1. 1) CNB D-2.3.6. CNB D-2.4.1. CNB Tableau 5.9.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	O151-17	Canadian softwood plywood	NBC 9.23.15.2.(1) NBC 9.23.16.2.(1) NBC 9.27.8.1.(1) NBC 9.30.2.2.(1) NBC D-3.1.1. NBC Table 5.9.1.1. NBC Table 9.23.12.3.-A NBC Table 9.23.12.3.-B NBC Table 9.23.12.3.-C NBC Table 9.23.17.2.A
CSA (Association canadienne de normalisation/Canadian Standards Association)	O151-17	Contreplaqué en bois de résineux canadien	CNB 9.23.15.2. 1) CNB 9.23.16.2. 1) CNB 9.27.8.1. 1) CNB 9.30.2.2. 1) CNB D-3.1.1. CNB Tableau 5.9.1.1. CNB Tableau 9.23.12.3.-A CNB Tableau 9.23.12.3.-B CNB Tableau 9.23.12.3.-C CNB Tableau 9.23.17.2.A
CSA (Canadian Standards Association)	O153-13	Poplar plywood	NBC 9.23.15.2.(1) NBC 9.23.16.2.(1) NBC 9.27.8.1.(1) NBC 9.30.2.2.(1) NBC D-3.1.1. NBC Table 5.9.1.1. NBC Table 9.23.17.2.A
CSA (Association canadienne de normalisation/Canadian Standards Association)	O153-13	Contreplaqué en peuplier	CNB 9.23.15.2. 1) CNB 9.23.16.2. 1) CNB 9.27.8.1. 1) CNB 9.30.2.2. 1) CNB D-3.1.1. CNB Tableau 5.9.1.1. CNB Tableau 9.23.17.2.A
CSA (Canadian Standards Association)	O177-06	Qualification Code for Manufacturers of Structural Glued-Laminated Timber	NBC 4.3.1.2.(1) NBC Table 9.23.12.3.-D NBC Table 9.23.4.2.-K
CSA (Association canadienne de normalisation/Canadian Standards Association)	O177-06	Règles de qualification des fabricants de bois de charpente lamellé-collé	CNB 4.3.1.2. 1) CNB Tableau 9.23.12.3.-D CNB Tableau 9.23.4.2.-K

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	O325-16	Construction sheathing	NBC 9.23.15.2.(1) NBC 9.23.15.4.(2) NBC 9.23.16.2.(1) NBC 9.23.16.3.(2) NBC 9.29.9.1.(2) NBC 9.29.9.2.(5) NBC D-3.1.1. NBC Table 5.9.1.1. NBC Table 9.23.12.3.-A NBC Table 9.23.12.3.-B NBC Table 9.23.12.3.-C NBC Table 9.23.13.6.
CSA (Association canadienne de normalisation/Canadian Standards Association)	O325-16	Revêtements intermédiaires de construction	CNB 9.23.15.2. 1) CNB 9.23.15.4. 2) CNB 9.23.16.2. 1) CNB 9.23.16.3. 2) CNB 9.29.9.1. 2) CNB 9.29.9.2. 5) CNB D-3.1.1. CNB Tableau 5.9.1.1. CNB Tableau 9.23.12.3.-A CNB Tableau 9.23.12.3.-B CNB Tableau 9.23.12.3.-C CNB Tableau 9.23.13.6.
CSA (Canadian Standards Association)	O437.0-93	OSB and Waferboard	NBC 9.23.15.2.(1) NBC 9.23.15.4.(2) NBC 9.23.16.2.(1) NBC 9.23.16.3.(2) NBC 9.27.10.1.(1) NBC 9.29.9.1.(2) NBC 9.30.2.2.(1) NBC A-9.23.15.4.(2) NBC D-3.1.1. NBC Table 5.9.1.1. NBC Table 9.23.12.3.-A NBC Table 9.23.12.3.-B NBC Table 9.23.12.3.-C NBC Table 9.23.17.2.A

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Association canadienne de normalisation/Canadian Standards Association)	O437.0-93	Panneaux de particules orientées et panneaux de grandes particules	CNB 9.23.15.2. 1) CNB 9.23.15.4. 2) CNB 9.23.16.2. 1) CNB 9.23.16.3. 2) CNB 9.27.10.1. 1) CNB 9.29.9.1. 2) CNB 9.30.2.2. 1) CNB A-9.23.15.4. 2) CNB D-3.1.1.1. CNB Tableau 5.9.1.1. CNB Tableau 9.23.12.3.-A CNB Tableau 9.23.12.3.-B CNB Tableau 9.23.12.3.-C CNB Tableau 9.23.17.2.A
CSA (Canadian Standards Association)	O86:1924	Engineering design in wood	NBC 4.3.1.1.(1) NBC A-5.1.4.1.(6)(b) and (c) NBC A-9.15.2.4.(1) NBC A-9.23.4.2. NBC D-2.11.3. NBC D-2.11.4. NBC Table 4.1.8.9.
CSA (Association canadienne de normalisation/Canadian Standards Association)	O86:1924	Règles <del>Engineering design</del> <b>calcul des charpentes en bois</b>	CNB 4.3.1.1. 1) CNB A-5.1.4.1. 6)b) et c) CNB A-9.15.2.4. 1) CNB A-9.23.4.2. CNB D-2.11.3. CNB D-2.11.4. CNB Tableau 4.1.8.9.
CSA (Canadian Standards Association)	PLUS 2203 (3rd. ed. pub. 2001)	Hazardous Locations: A Guide for the Design, Testing, Construction, and Installation of Equipment in Explosive Atmospheres	NFC A-4.1.4.1.(1) CNPI A-4.1.4.1. 1)
CSA (Canadian Standards Association)	P.10-07	Performance of Integrated Mechanical Systems for Residential Heating and Ventilation	NBC 9.36.3.9.(2) NBC Table 9.36.3.10. NBC Table 9.36.4.2. NBC Table 9.36.5.15.C CNB 9.36.3.9. 2) CNB Tableau 9.36.3.10. CNB Tableau 9.36.4.2. CNB Tableau 9.36.5.15.C

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	P.6-09	Test method for measuring thermal efficiency of gas-fired pool heaters	NBC Table 9.36.4.2. CNB Tableau 9.36.4.2. NECB Table 6.2.2.1. CNÉB Tableau 6.2.2.1.
<b>CSA (Canadian Standards Association) AISI (American Iron and Steel Institute)</b>	<b>S136S100</b> -16	North American <b>specification</b> <b>Specification</b> for the <b>design</b> <b>Design</b> of <b>cold</b> <b>Cold-formed</b> <b>Formed steel</b> <b>Steel structural</b> <b>Structural members (using the Appendix B provisions applicable to Canada)</b> <b>Members</b>	NBC 4.1.8.1.(5) NBC 4.3.4.2.(1) NBC Table 4.1.8.9.
<b>CSA (Association canadienne de normalisation/Canadian Standards Association) AISI (American Iron and Steel Institute)</b>	<b>S136S100</b> -16	<b>Spécification</b> <b>North nord</b> <b>American Specification for the Design of</b> <b>Cold-américaine</b> <b>Formed pour</b> <b>Steel le</b> <b>Structural calcul des éléments de charpente en acier formés à froid (utiliser l'annexe B qui s'applique au Canada)</b> <b>Members</b>	CNB 4.1.8.1. 5) CNB 4.3.4.2. 1) CNB Tableau 4.1.8.9.
CSA (Canadian Standards Association)	S157-17/S157.1-17	Strength design in aluminum/Commentary on CSA S157-17, Strength design in aluminum	NBC 4.3.5.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	S157-17/S157.1-17	Calcul de la résistance mécanique des éléments en aluminium/Commentaire sur la CSA S157-17, Calcul de la résistance mécanique des éléments en aluminium	CNB 4.3.5.1. 1)
CSA (Canadian Standards Association)	S16: <b>1924</b>	Design <b>and construction</b> of steel structures	NBC 4.3.4.1.(1) NBC A-4.1.5.11. NBC A-4.3.4.1.(1) NBC A-Tableau 4.1.8.9. NBC D-2.6.6. NBC Table 4.1.8.9.
<b>CSA (Association canadienne de normalisation/Canadian Standards Association)</b>	S16: <b>1924</b>	<b>Règles</b> <b>Design de</b> <b>and</b> <b>calcul</b> <b>construction des</b> <b>of</b> <b>charpentes</b> <b>steel en</b> <b>acier</b> <b>structures</b>	CNB 4.3.4.1. 1) CNB A-4.1.5.11. CNB A-4.3.4.1. 1) CNB A-Tableau 4.1.8.9. CNB D-2.6.6. CNB Tableau 4.1.8.9.
CSA (Canadian Standards Association)	S269.1-16	Falsework and formwork	NBC 4.1.1.3.(4) NBC A-9.15.1.1.(1)(c) and 9.20.1.1.(1)(b)
CSA (Association canadienne de normalisation/Canadian Standards Association)	S269.1-16	Ouvrages provisoires et coffrages	CNB 4.1.1.3. 4) CNB A-9.15.1.1. 1)c) et 9.20.1.1. 1)b)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	S269.2-16	Access scaffolding for construction purposes	NBC 4.1.1.3.(4)
CSA (Association canadienne de normalisation/Canadian Standards Association)	S269.2-16	Échafaudages d'accès pour les travaux de construction	CNB 4.1.1.3. 4)
CSA (Canadian Standards Association)	S304-14:24	Design of masonry structures	NBC 4.3.2.1.(1) NBC A-5.1.4.1.(6)(b) and (c) NBC Table 4.1.8.9.
CSA (Association canadienne de normalisation/Canadian Standards Association)	S304-14:24	Calcul des ouvrages en maçonnerie	CNB 4.3.2.1. 1) CNB A-5.1.4.1. 6)b) et c) CNB Tableau 4.1.8.9.
CSA (Canadian Standards Association)	S367-12	Air-, cable-, and frame-supported membrane structures	NBC 4.4.1.1.(1) CNB 4.4.1.1. 1)
CSA (Canadian Standards Association)	S406-16	Specification of permanent wood foundations for housing and small buildings	NBC 9.15.2.4.(1) NBC 9.16.5.1.(1) NBC A-9.15.2.4.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	S406-16	Spécification visant les fondations permanentes en bois pour les maisons et petits bâtiments	CNB 9.15.2.4. 1) CNB 9.16.5.1. 1) CNB A-9.15.2.4. 1)
CSA (Canadian Standards Association)	S413-14	Parking structures	NBC 4.4.2.1.(1) NBC A-4.4.2.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	S413-14	Parking structures	CNB 4.4.2.1. 1) CNB A-4.4.2.1. 1)
CSA (Canadian Standards Association)	S478:19	Durability in buildings	NBC A-5.1.4.2.
CSA (Association canadienne de normalisation/Canadian Standards Association)	S478:19	Durabilité des bâtiments	CNB A-5.1.4.2.
CSA (Canadian Standards Association)	S6-14:19	Canadian Highway Bridge Design Code	NBC A-Table 4.1.5.3. NBC A-Table 4.1.5.9.
CSA (Association canadienne de normalisation/Canadian Standards Association)	S6-14:19	Code canadien sur le calcul des ponts routiers	CNB A- Tableau 4.1.5.3. CNB A- Tableau 4.1.5.9.
CSA (Canadian Standards Association)	S832:14	Seismic risk reduction of operational and functional components (OFCs) of buildings	NBC A-Table 4.1.8.18.
CSA (Association canadienne de normalisation/Canadian Standards Association)	S832:14	Réduction du risque sismique associé à la défaillance des composants fonctionnels et opérationnels des bâtiments (CFO) dans les bâtiments	CNB A-Tableau 4.1.8.18.

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	W117.2:19	Safety in welding, cutting and allied processes	NFC 5.2.1.1.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	W117.2:19	Règles de sécurité en soudage, coupage et procédés connexes	CNPI 5.2.1.1. 2)
CSA (Canadian Standards Association)	Z240 MH Series-16	Manufactured homes	NBC A-1.1.1.1.(2) of Division A
CSA (Association canadienne de normalisation/Canadian Standards Association)	Z240 MM Série-16	Maisons usinées	CNB A-1.1.1.1. 2) de la division A
CSA (Canadian Standards Association)	Z240.10.1:19	Site preparation, foundation, and installation of buildings	NBC 9.15.1.3.(1) NBC 9.23.6.3.(1) NBC A-1.1.1.1.(2) of Division A
CSA (Association canadienne de normalisation/Canadian Standards Association)	Z240.10.1:19	Aménagement du terrain, construction des fondations et installation de bâtiments	CNB 9.15.1.3. 1) CNB 9.23.6.3. 1) CNB A-1.1.1.1. 2) de la division A
CSA (Canadian Standards Association)	Z240.2.1-16	Structural requirements for manufactured homes	NBC 9.12.2.2.(6) NBC 9.15.1.3.(1) NBC A-1.1.1.1.(2) of Division A
CSA (Association canadienne de normalisation/Canadian Standards Association)	Z240.2.1-16	Exigences techniques relatives aux maisons usinées	CNB 9.12.2.2. 6) CNB 9.15.1.3. 1) CNB A-1.1.1.1. 2) de la division A
CSA (Canadian Standards Association)	Z245.1- <del>14</del> :22	Steel pipe	NFC 4.5.2.1.(4) CNPI 4.5.2.1. 4)
CSA (Canadian Standards Association)	Z32-15	Electrical safety and essential electrical systems in health care facilities	NBC 3.2.7.3.(4) NBC 3.2.7.6.(1) NBC A-3.2.7.6.(1) NFC 6.5.1.1.(2) NFC A-6.5.1.1.(2)
CSA (Association canadienne de normalisation/Canadian Standards Association)	Z32-15	Sécurité en matière d'électricité et réseaux électriques essentiels des établissements de santé	CNB 3.2.7.3. 4) CNB 3.2.7.6. 1) CNB A-3.2.7.6. 1) CNPI 6.5.1.1. 2) CNPI A-6.5.1.1. 2)
CSA (Canadian Standards Association)	Z7396.1-17	Medical gas pipeline systems – Part 1: Pipelines for medical gases, medical vacuum, medical support gases, and anaesthetic gas scavenging systems	NBC 3.7.3.1.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	Z7396.1-17	Réseaux de distribution de gaz médicaux – Partie 1 : Canalisations pour les gaz médicaux, l'aspiration médicale, les gaz de soutien médical et les systèmes d'évacuation des gaz d'anesthésie	CNB 3.7.3.1. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
CSA (Canadian Standards Association)	6.19-01	Residential carbon monoxide alarming devices	NBC 6.9.3.1.(2) NBC 9.32.3.9.(2) NBC 9.32.3.9.(3) CNB 6.9.3.1. 2) CNB 9.32.3.9. 2) CNB 9.32.3.9. 3)
CSA (Canadian Standards Association)/ICC (International Code Council)	CSA B805-18/ICC 805-2018	Rainwater harvesting systems	NPC 2.7.2.4.(4) NPC A-2.7.2.4.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)/ICC (International Code Council)	CSA B805-18/ICC 805-2018	Systèmes de récupération d'eau de pluie	CNP 2.7.2.4. 4) CNP A-2.7.2.4. 1)
CSSBI (Canadian Sheet Steel Building Institute)	23M-2016	Standard for Residential Steel Cladding	NBC 9.27.11.1.(1) NBC A-9.27.11.1.(1)
ICTAB (Institut canadien de la tôle d'acier pour le bâtiment)	23M-2016	Norme pour le bardage résidentiel en acier	CNB 9.27.11.1. 1) CNB A-9.27.11.1. 1)
CTI (Cooling Technology Institute)	ATC-105DS-18	Acceptance Test Code for Dry Fluid Coolers	NECB Table 5.2.12.2. CNÉB Tableau 5.2.12.2.
CTI (Cooling Technology Institute)	ATC-105S-11	Acceptance Test Code for Closed Circuit Cooling Towers	NECB Table 5.2.12.2. CNÉB Tableau 5.2.12.2.
CTI (Cooling Technology Institute)	ATC-105-00	Acceptance Test Code	NECB Table 5.2.12.2. CNÉB Tableau 5.2.12.2.
CTI (Cooling Technology Institute)	ATC-106-11	Acceptance Test Code for Mechanical Draft Evaporative Vapor Condensers	NECB Table 5.2.12.2. CNÉB Tableau 5.2.12.2.
CTI (Cooling Technology Institute)	STD-201RS-04	Standard for the Certification of Water Cooling Tower Thermal Performance	NECB Table 5.2.12.2. CNÉB Tableau 5.2.12.2.
CWC (Canadian Wood Council)	1997	Introduction to Wood Building Technology	NBC A-9.27.3.8.(4)
CCB (Conseil canadien du bois)	1997	Introduction to Wood Building Technology	CNB A-9.27.3.8. 4)
CWC (Canadian Wood Council)	2000	Wood Reference Handbook	NBC A-9.27.3.8.(4)
CCB (Conseil canadien du bois)	2000	Manuel de la construction en bois	CNB A-9.27.3.8. 4)
CWC (Canadian Wood Council)	2009	The Span Book	NBC A-9.23.4.2.

Issuing Agency	Document Number	Title of Document	Code Reference
CCB (Conseil canadien du bois)	2009	Le livre des portées	CNB A-9.23.4.2.
CWC (Canadian Wood Council)	2014	Engineering Guide for Wood Frame Construction	NBC 9.23.13.1.(2) NBC 9.23.13.2.(2) NBC 9.23.13.3.(2) NBC 9.4.1.1.(1) NBC A-9.23.13.1. NBC A-9.4.1.1.
CCB (Conseil canadien du bois)	2014	Engineering Guide for Wood Frame Construction	CNB 9.23.13.1. 2) CNB 9.23.13.2. 2) CNB 9.23.13.3. 2) CNB 9.4.1.1. 1) CNB A-9.23.13.1. CNB A-9.4.1.1.
DASMA (Door and Access Systems Manufacturers Association International)	ANSI/DASMA 105-2017	Test Method for Thermal Transmittance and Air Infiltration of Garage Doors	NECB 3.2.4.3.(8) CNÉB 3.2.4.3. 8)
DIN (Deutsches Institut für Normung e. V.)	EN 303-5:2012	Heating boilers – Part 5: Heating boilers for solid fuels, manually and automatically stoked, nominal heat output of up to 500 kW – Terminology, requirements, testing and marking; German version EN 303-5:2012	NBC Table 9.36.3.10. CNB Tableau 9.36.3.10. NECB Table 5.2.12.1.P CNÉB Tableau 5.2.12.1.-P
DIN (Deutsches Institut für Normung e. V.)	EN 416:2019	Gas-fired overhead radiant tube heaters and radiant tube heater systems for non-domestic use – Safety and energy efficiency; German version EN 416:2019	NECB Table 5.2.12.1.P CNÉB Tableau 5.2.12.1.-P
DIN (Deutsches Institut für Normung e. V.)	EN 419:2019	Gas-fired overhead luminous radiant heaters for non-domestic use – Safety and energy efficiency; German version EN 419:2019	NECB Table 5.2.12.1.P CNÉB Tableau 5.2.12.1.-P
DOE (Department of Energy)	10 CFR, Part 430-2011	Energy, Energy Conservation Program for Consumer Products	NBC Table 9.36.4.2. CNB Tableau 9.36.4.2.
DOE (Department of Energy)	10 CFR, Part 430-2011	Energy, Energy Conservation Program for Consumer Products	NECB Table 5.2.12.1.O NECB Table 6.2.2.1. CNÉB Tableau 5.2.12.1.-O CNÉB Tableau 6.2.2.1.

Issuing Agency	Document Number	Title of Document	Code Reference
DOE (Department of Energy)	10 CFR, Part 431-2011	Energy, Energy Efficiency Program for Certain Commercial and Industrial Equipment	NBC Table 9.36.3.10. NBC Table 9.36.4.2. CNB Tableau 9.36.3.10. CNB Tableau 9.36.4.2. NECB Table 5.2.12.1.N NECB Table 6.2.2.1. CNÉB Tableau 5.2.12.1.-N CNÉB Tableau 6.2.2.1.
ECC (EIFS Council of Canada)	2013	EIFS Practice Manual	NBC A-5.9.4.1.(1) NBC A-9.27.14.1.(1) CNB A-5.9.4.1. 1) CNB A-9.27.14.1. 1)
EPA (Environmental Protection Agency)	40 CFR, Part 60-2008	Protection of Environment, Standards of Performance for New Stationary Sources	NBC Table 9.36.3.10. CNB Tableau 9.36.3.10. NECB Table 5.2.12.1.P CNÉB Tableau 5.2.12.1.-P
EPA (Environmental Protection Agency)	510-B-93-004	Doing Inventory Control Right for Underground Storage Tanks	NFC A-4.4.2.1.(2) CNPI A-4.4.2.1. 2)
EPA (Environmental Protection Agency)	510-B-95-009	Introduction To Statistical Inventory Reconciliation For Underground Storage Tanks	NFC A-4.4.2.1.(4) CNPI A-4.4.2.1. 4)
EPA (Environmental Protection Agency)	530/UST-90/007	Standard Test Procedures For Evaluating Leak Detection Methods: Statistical Inventory Reconciliation Methods	NFC A-4.4.2.1.(4) CNPI A-4.4.2.1. 4)
EPA (Environmental Protection Agency)	530/UST-90/008	Standard Test Procedures For Evaluating Leak Detection Methods: Vapor-Phase Out-of-Tank Product Detectors	NFC A-4.4.2.1.(3) CNPI A-4.4.2.1. 3)
EPA (Environmental Protection Agency)	530/UST-90/009	Standard Test Procedures For Evaluating Leak Detection Methods: Liquid-Phase Out-of-Tank Product Detectors	NFC A-4.4.2.1.(3) CNPI A-4.4.2.1. 3)
EPA (Environmental Protection Agency)	625/R-92/016 (1994)	Radon Prevention in the Design and Construction of Schools and Other Large Buildings	NBC 6.2.1.1.(1) NBC A-5.4.1.1. CNB 6.2.1.1. 1) CNB A-5.4.1.1.
FEMA (Federal Emergency Management Agency)	P-750-2009	NEHRP Recommended Seismic Provisions for New Buildings and Other Structures	NBC A-4.1.8.18.(14) and (15) CNB A-4.1.8.18. 14) et 15)

Issuing Agency	Document Number	Title of Document	Code Reference
FEMA (Federal Emergency Management Agency)	450-1-2003	NEHRP Recommended Provisions for Seismic Regulations for New Buildings and Other Structures	NBC A-4.1.8.18.(14) and (15) CNB A-4.1.8.18.14) et 15)
FLL (German Landscape Research, Development and Construction Society)	2008	Guidelines for the Planning, Construction and Maintenance of Green Roofing	NBC A-5.6.1.2.(2) CNB A-5.6.1.2. 2)
FM Global (FM Global)	Data Sheet 7-50 (2014)	Compressed Gases in Portable Cylinders	NFC A-3.2.8.2.(2) CNPI A-3.2.8.2. 2)
FM Global (FM Global)	Data Sheet 7-83 (2015)	Drainage and Containment Systems for Ignitable Liquids	NFC A-4.1.6.1.(1) CNPI A-4.1.6.1. 1)
FPI (FP Innovations — Forintek Division (formerly FCC - Forintek Canada Corporation))	Project 43-10C-024 (1988)	Deflection Serviceability Criteria for Residential Floors	NBC A-9.23.4.2.(2)
FPI (.)	Projet 43-10C-024 (1988)	Deflection Serviceability Criteria for Residential Floors	CNB A-9.23.4.2. 2)
SC (Santé Canada)	DORS/2001-269	Règlement sur les produits chimiques et contenants de consommation (2001)	CNPI A-3.2.5.2. 1)
SC (Santé Canada)	DORS/2015-17	Règlement sur les produits dangereux	CNB 1.4.1.2. 1) de la division A CNB A-3.3.1.2. 1) CNPI 1.4.1.2. 1) de la division A CNPI 3.1.2.1. 1) CNPI 3.2.7.1. 3) CNPI 3.3.4.1. 3) CNPI A-3.2.5.2. 1) CNPI A-3.2.7.6. 3) CNPI A-4.2.2.3. 2) CNPI A-Tableau 3.2.7.1. CNPI Tableau 3.2.7.1. CNPI Tableau 3.2.7.6.
HC (Health Canada)	H46-2/90-156E	Exposure Guidelines for Residential Indoor Air Quality	NBC A-6.3.1.5. NBC A-9.25.5.2.
SC (Santé Canada)	H46-2/90-156F	Directives d'exposition concernant la qualité de l'air des résidences	CNB A-6.3.1.5. CNB A-9.25.5.2.
SC (Santé Canada)	L.C. 2002, ch. 28	Loi sur les produits antiparasitaires	CNPI 4.2.3.2. 2)
SC (Santé Canada)	L.R.C. (1985), ch. H-3	Loi sur les produits dangereux	CNB A-1.4.1.2. 1) de la division A CNB A-9.25.2.2. 2) CNPI 4.2.3.2. 2)
HC (Health Canada)	R.S.C. 1985, c. H-3	Hazardous Products Act	NBC A-1.4.1.2.(1) of Division A NBC A-9.25.2.2.(2) NFC 4.2.3.2.(2)
HC (Health Canada)	S.C. 2002, c. 28	Pest Control Products Act	NFC 4.2.3.2.(2)

Issuing Agency	Document Number	Title of Document	Code Reference
SC (Santé Canada)	SIMDUT 1988	Système d'information sur les matières dangereuses utilisées au travail (SIMDUT)	CNB A-1.4.1.2. 1) de la division A CNB A-3.3.1.2. 1) CNPI 3.1.2.1. 1) CNPI 3.2.7.1. 3) CNPI 3.2.7.15. 2) CNPI 3.3.4.1. 3) CNPI A-1.4.1.2. 1) de la division A CNPI A-3.2.7.1. 3) CNPI A-3.2.7.1. 3)b) CNPI A-3.2.7.13. 1) CNPI A-3.2.7.14. 1) CNPI A-3.2.7.6. 3) CNPI A-Tableau 3.2.7.1. CNPI Tableau 3.2.7.1. CNPI Tableau 3.2.7.6.
HC (Health Canada)	SOR/2001-269	Consumer Chemicals and Containers Regulations, 2001	NFC A-3.2.5.2.(1)
HC (Health Canada)	SOR/2015-17	Hazardous Products Regulations	NBC 1.4.1.2.(1) of Division A NBC A-3.3.1.2.(1) NFC 1.4.1.2.(1) of Division A NFC 3.1.2.1.(1) NFC 3.2.7.1.(3) NFC 3.3.4.1.(3) NFC A-3.2.5.2.(1) NFC A-3.2.7.6.(3) NFC A-4.2.2.3.(2) NFC A-Table 3.2.7.1. NFC Table 3.2.7.1. NFC Table 3.2.7.6.
HC (Health Canada)	WHMIS 1988	Workplace Hazardous Materials Information System (WHMIS)	NBC A-1.4.1.2.(1) of Division A NBC A-3.3.1.2.(1) NFC 3.1.2.1.(1) NFC 3.2.7.1.(3) NFC 3.2.7.15.(2) NFC 3.3.4.1.(3) NFC A-1.4.1.2.(1) of Division A NFC A-3.2.7.1.(3) NFC A-3.2.7.1.(3)b) NFC A-3.2.7.13.(1) NFC A-3.2.7.14.(1) NFC A-3.2.7.6.(3) NFC A-Table 3.2.7.1. NFC Table 3.2.7.1. NFC Table 3.2.7.6.
HC (Health Canada)	2004	Fungal Contamination in Public Buildings: Health Effects and Investigation Methods	NBC A-5.5.1.1.

Issuing Agency	Document Number	Title of Document	Code Reference
SC (Santé Canada)	2004	Contamination fongique dans les immeubles publics : Effets sur la santé et méthodes d'évaluation	CNB A-5.5.1.1.
HC (Health Canada)	2007	Radon: A Guide for Canadian Homeowners	NBC A-5.4.1.1. NBC A-6.2.1.1. NBC A-9.13.4.3.
SC (Santé Canada)	2007	Le radon : guide à l'usage des propriétaires canadiens	CNB A-5.4.1.1. CNB A-6.2.1.1. CNB A-9.13.4.3.
HC (Health Canada)	2008	Guide for Radon Measurements in Public Buildings (Schools, Hospitals, Care Facilities, Detention Centres)	NBC A-5.4.1.1. NBC A-6.2.1.1.
HC (Health Canada)	2008	Guide for Radon Measurements in Residential Dwellings (Homes)	NBC A-9.13.4.3.
SC (Santé Canada)	2008	Guide sur les mesures du radon dans les édifices publics (écoles, hôpitaux, établissements de soins et centres de détention)	CNB A-5.4.1.1. CNB A-6.2.1.1.
SC (Santé Canada)	2008	Guide sur les mesures du radon dans les maisons	CNB A-9.13.4.3.
HPVA (Hardwood Plywood and Veneer Association)	ANSI/HPVA HP-1-2009	American National Standard for Hardwood and Decorative Plywood	NBC 9.27.8.1.(1) NBC 9.30.2.2.(1) NBC Table 5.9.1.1. CNB 9.27.8.1. 1) CNB 9.30.2.2. 1) CNB Tableau 5.9.1.1.
HRAI (Heating, Refrigeration and Air Conditioning Institute of Canada)	2017 Edition	HRAI Digest	NBC 6.2.1.1.(1) NBC 9.32.2.3.(4) NBC 9.32.3.2.(1) NBC 9.33.4.1.(1) NBC A-9.36.3.2.(1) NBC A-9.36.3.2.(2) NBC A-9.36.3.4.(1) CNB 6.2.1.1. 1) CNB 9.32.2.3. 4) CNB 9.32.3.2. 1) CNB 9.33.4.1. 1) CNB A-9.36.3.2. 1) CNB A-9.36.3.2. 2) CNB A-9.36.3.4. 1) NECB 1.1.4.2.(1) NECB A-5.2.1.1.(1) CNÉB 1.1.4.2. 1) CNÉB A-5.2.1.1. 1)
HVI (Home Ventilating Institute)	HVI Publication 911	Certified Home Ventilating Products Directory	NBC A-9.36.3.9.(3) CNB A-9.36.3.9. 3) NECB A-5.2.10.4.(2) CNÉB A-5.2.10.4. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
HVI (Home Ventilating Institute)	HVI Publication 915-2013	Loudness Testing and Rating Procedure	NBC 9.32.3.10.(2) NBC Table 9.32.3.10.B CNB 9.32.3.10. 2) CNB Tableau 9.32.3.10.B
HVI (Home Ventilating Institute)	HVI Publication 916-2013	Airflow Test Procedure	NBC 9.32.3.10.(1) CNB 9.32.3.10. 1)
ICC (International Code Council)	ICC 900/SRCC 300-2015	Solar Thermal System Standard	NECB Table 6.2.2.1. CNÉB Tableau 6.2.2.1.
ICC (International Code Council)	400-2012	Standard on the Design and Construction of Log Structures	NBC 9.36.2.2.(5) NBC A-9.36.2.2.(5) CNB 9.36.2.2. 5) CNB A-9.36.2.2. 5)
IEC (International Electrotechnical Commission)	60268-16:2011	Sound system equipment – Part 16: Objective rating of speech intelligibility by speech transmission index	NBC A-3.2.4.22.(1)(b) CNB A-3.2.4.22. 1)b)
IES (Illuminating Engineering Society)	ANSI/IES RP-28-07	Lighting and the Visual Environment for Senior Living	NECB A-8.4.3.2.(2) NECB Table 4.2.1.6. NECB Table 4.3.2.10.A CNÉB A-8.4.3.2. 2) CNÉB Tableau 4.2.1.6. CNÉB Tableau 4.3.2.10.A
IES (Illuminating Engineering Society)	HB-10-11	The Lighting Handbook, 10th Edition	NECB A-Table 4.3.2.8. CNÉB A-Tableau 4.3.2.8.
IMO (International Maritime Organization)	2012	International Maritime Dangerous Goods Code	NFC 3.3.4.8.(1)
OMI (Organisation maritime internationale)	2012	Code maritime international des marchandises dangereuses	CNPI 3.3.4.8. 1)
ISO (International Organization for Standardization)	10848-1:2006	Acoustics – Laboratory measurement of the flanking transmission of airborne and impact sound between adjoining rooms – Part 1: Frame document	NBC 5.8.1.4.(2) NBC 5.8.1.4.(3) NBC 5.8.1.5.(2) NBC 5.8.1.5.(3)
ISO (Organisation internationale de normalisation)	10848-1:2006	Acoustique – Mesurage en laboratoire des transmissions latérales du bruit aérien et des bruits de choc entre pièces adjacentes – Partie 1 : Document cadre	CNB 5.8.1.4. 2) CNB 5.8.1.4. 3) CNB 5.8.1.5. 2) CNB 5.8.1.5. 3)
ISO (International Organization for Standardization)	13790:2008	Energy performance of buildings – Calculation of energy use for space heating and cooling	NECB 1.1.4.2.(1)

Issuing Agency	Document Number	Title of Document	Code Reference
ISO (Organisation internationale de normalisation)	13790:2008	Performance énergétique des bâtiments - Calcul des besoins d'énergie pour le chauffage et le refroidissement des locaux	CNÉB 1.1.4.2. 1)
ISO (International Organization for Standardization)	14683:2007	Thermal bridges in building construction - Linear thermal transmittance - Simplified methods and default values	NECB 3.1.1.5.(5)
ISO (Organisation internationale de normalisation)	14683:2007	Ponts thermiques dans les bâtiments - Coefficient linéique de transmission thermique - Méthodes simplifiées et valeurs par défaut	CNÉB 3.1.1.5. 5)
ISO (International Organization for Standardization)	15712-1:2005	Building acoustics - Estimation of acoustic performance of buildings from the performance of elements - Part 1: Airborne sound insulation between rooms	NBC 5.8.1.4.(1) NBC 5.8.1.4.(2) NBC 5.8.1.4.(4) NBC 5.8.1.4.(5) NBC 5.8.1.4.(6) NBC 5.8.1.5.(1) NBC 5.8.1.5.(2) NBC 5.8.1.5.(5) NBC 5.8.1.5.(6)
ISO (Organisation internationale de normalisation)	15712-1:2005	Acoustique du bâtiment - Calcul de la performance acoustique des bâtiments à partir de la performance des éléments - Partie 1 : Isolement acoustique aux bruits aériens entre des locaux	CNB 5.8.1.4. 1) CNB 5.8.1.4. 2) CNB 5.8.1.4. 4) CNB 5.8.1.4. 5) CNB 5.8.1.4. 6) CNB 5.8.1.5. 1) CNB 5.8.1.5. 2) CNB 5.8.1.5. 5) CNB 5.8.1.5. 6)
ISO (International Organization for Standardization)	3864-1:2011	Graphical symbols - Safety colours and safety signs - Part 1: Design principles for safety signs and safety markings	NBC 3.4.5.1.(2) NBC 9.9.11.3.(2)
ISO (Organisation internationale de normalisation)	3864-1:2011	Symboles graphiques - Couleurs de sécurité et signaux de sécurité - Partie 1 : Principes de conception pour les signaux de sécurité et les marquages de sécurité	CNB 3.4.5.1. 2) CNB 9.9.11.3. 2)
ISO (International Organization for Standardization)	7010:2011	Graphical symbols - Safety colours and safety signs - Registered safety signs	NBC 3.4.5.1.(2) NBC 9.9.11.3.(2) NBC A-3.4.5.1.(2)(c)
ISO (Organisation internationale de normalisation)	7010:2011	Symboles graphiques - Couleurs de sécurité et signaux de sécurité - Signaux de sécurité enregistrés	CNB 3.4.5.1. 2) CNB 9.9.11.3. 2) CNB A-3.4.5.1. 2)c)
ISO (International Organization for Standardization)	7240-19:2007	Fire detection and alarm systems - Part 19: Design, installation, commissioning and service of sound systems for emergency purposes	NBC A-3.2.4.22.(1)(b)
ISO (Organisation internationale de normalisation)	7240-19:2007	Systèmes de détection et d'alarme d'incendie - Partie 19 : Conception, installation, prise en charge et entretien des systèmes sonores pour les besoins de secours	CNB A-3.2.4.22. 1)b)

Issuing Agency	Document Number	Title of Document	Code Reference
ISO (International Organization for Standardization)	7731:2003	Ergonomics – Danger signals for public and work areas – Auditory danger signals	NBC A-3.2.4.22.(1)(b)
ISO (Organisation internationale de normalisation)	7731:2003	Ergonomie – Signaux de danger pour lieux publics et lieux de travail – Signaux de danger auditifs	CNB A-3.2.4.22. 1)b)
ISO (International Organization for Standardization)	8201:1987	Acoustics – Audible emergency evacuation signal	NBC 3.2.4.18.(2) NBC A-3.2.4.18.(2)
ISO (Organisation internationale de normalisation)	8201:1987	Acoustique – Signal sonore d'évacuation d'urgence	CNB 3.2.4.18. 2) CNB A-3.2.4.18. 2)
McGraw-Hill (McGraw-Hill Ryerson)	2009	International Plumbing Codes Handbook	NPC A-2.6.3. CNP A-2.6.3.
NACE (The National Association of Corrosion Engineers)	SP0169-2013	Control of External Corrosion on Underground or Submerged Metallic Piping Systems	NFC 4.5.3.1.(1) CNPI 4.5.3.1. 1)
NACE (The National Association of Corrosion Engineers)	SP0285-2011-SG	Corrosion Control of Underground Storage Tank Systems by Cathodic Protection	NFC 4.3.10.1.(1) CNPI 4.3.10.1. 1)
NEMA (National Electrical Manufacturers Association)	ANSI_ANSLG C82.11:2011	American National Standard for Lamp Ballasts–High-Frequency Fluorescent Lamp Ballasts	NECB 4.2.1.2.(2) CNÉB 4.2.1.2. 2)
NEMA (National Electrical Manufacturers Association)	SB 50:2008	Emergency Communications Audio Intelligibility Applications Guide	NBC A-3.2.4.22.(1)(b) CNB A-3.2.4.22. 1)b)
NFPA ( )	Édition 2010	Fire Protection Guide to Hazardous Materials	CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	101-2018	Life Safety Code	NBC 3.3.2.1.(2) NBC 3.3.2.1.(3) NBC A-3.3.2.1.(2) CNB 3.3.2.1. 2) CNB 3.3.2.1. 3) CNB A-3.3.2.1. 2)
NFPA (National Fire Protection Association)	10- <del>2013</del> 2018	Standard for Portable Fire Extinguishers	NFC 2.1.5.1.(3) NFC 6.2.1.1.(1) CNPI 2.1.5.1. 3) CNPI 6.2.1.1. 1)
NFPA (National Fire Protection Association)	105- <del>2013</del> 2019	Standard for Smoke Door Assemblies and Other Opening Protectives	NBC 3.1.8.5.(3) NBC 3.1.8.5.(7) CNB 3.1.8.5. 3) CNB 3.1.8.5. 7)
NFPA (National Fire Protection Association)	12A-2015	Standard on Halon 1301 Fire Extinguishing Systems	NFC 2.1.3.5.(3) NFC A-2.1.3.5.(3)(c) and (d) CNPI 2.1.3.5. 3) CNPI A-2.1.3.5. 3)c) et d)

Issuing Agency	Document Number	Title of Document	Code Reference
NFPA (National Fire Protection Association)	12B-1990	Standard on Halon 1211 Fire Extinguishing Systems	NFC 2.1.3.5.(3) NFC A-2.1.3.5.(3)(c) and (d) CNPI 2.1.3.5. 3) CNPI A-2.1.3.5. 3)c) et d)
NFPA (National Fire Protection Association)	120-2015	Standard for Fire Prevention and Control in Coal Mines	NFC A-5.3.1.3.(2) CNPI A-5.3.1.3. 2)
NFPA (National Fire Protection Association)	12- <del>2015</del> 2018	Standard on Carbon Dioxide Extinguishing Systems	NFC 2.1.3.5.(3) CNPI 2.1.3.5. 3)
NFPA (National Fire Protection Association)	13D- <del>2016</del> 2019	Standard for the Installation of Sprinkler Systems in One- and Two-Family Dwellings and Manufactured Homes	NBC 3.2.4.1.(2) NBC 3.2.5.12.(3) NBC 3.2.7.9.(4) NBC 9.10.18.2.(3) NBC 9.10.2.2.(2) NBC A-3.2.5.12.(2) NBC A-3.2.5.12.(6) NBC A-3.2.5.13.(1) CNB 3.2.4.1. 2) CNB 3.2.5.12. 3) CNB 3.2.7.9. 4) CNB 9.10.18.2. 3) CNB 9.10.2.2. 2) CNB A-3.2.5.12. 2) CNB A-3.2.5.12. 6) CNB A-3.2.5.13. 1) NPC 2.6.3.1.(3) CNP 2.6.3.1. 3)
NFPA (National Fire Protection Association)	13R-2019	Standard for the Installation of Sprinkler Systems in Low-Rise Residential Occupancies	NBC 3.2.5.12.(2) NBC A-3.2.5.12.(2) NBC A-3.2.5.12.(6) NBC A-3.2.5.13.(1) CNB 3.2.5.12. 2) CNB A-3.2.5.12. 2) CNB A-3.2.5.12. 6) CNB A-3.2.5.13. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
NFPA (National Fire Protection Association)	13-2019	Standard for the Installation of Sprinkler Systems	NBC 3.1.9.1.(4) NBC 3.2.4.15.(1) NBC 3.2.4.8.(2) NBC 3.2.5.12.(1) NBC 3.2.5.12.(9) NBC 3.2.8.2.(5) NBC 3.2.8.3.(2) NBC 3.3.2.14.(3) NBC 9.10.9.9.(4) NBC A-3.1.11.5.(3) and (4) NBC A-3.2.4.9.(3)(f) NBC A-3.2.5.12.(1) NBC A-3.2.5.12.(6) NBC A-3.2.5.13.(1) NBC A-3.2.8.2.(3) CNB 3.1.9.1. 4) CNB 3.2.4.15. 1) CNB 3.2.4.8. 2) CNB 3.2.5.12. 1) CNB 3.2.5.12. 9) CNB 3.2.8.2. 5) CNB 3.2.8.3. 2) CNB 3.3.2.14. 3) CNB 9.10.9.9. 4) CNB A-3.1.11.5. 3) et 4) CNB A-3.2.4.9. 3)f) CNB A-3.2.5.12. 1) CNB A-3.2.5.12. 6) CNB A-3.2.5.13. 1) CNB A-3.2.8.2. 3) NFC 3.2.1.1.(1) NFC 3.2.2.4.(3) NFC 3.2.3.3.(1) NFC 3.2.4.3.(1) NFC 3.2.6.3.(4) NFC A-2.1.3.1.(1) NFC A-3.2.1.1.(1)(a) NFC A-3.2.2.4.(3) NFC A-3.2.3.3.(2) CNPI 3.2.1.1. 1) CNPI 3.2.2.4. 3) CNPI 3.2.3.3. 1) CNPI 3.2.4.3. 1) CNPI 3.2.6.3. 4) CNPI A-2.1.3.1. 1) CNPI A-3.2.1.1. 1)a) CNPI A-3.2.2.4. 3) CNPI A-3.2.3.3. 2)
NFPA (National Fire Protection Association)	14-2013	Standard for the Installation of Standpipe and Hose Systems	NBC 3.2.5.10.(1) NBC 3.2.5.9.(1) CNB 3.2.5.10. 1) CNB 3.2.5.9. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
NFPA (National Fire Protection Association)	15-2017	Standard for Water Spray Fixed Systems for Fire Protection	NFC 2.1.3.5.(4) NFC 4.3.2.5.(2) NFC A-4.1.6.1.(1) CNPI 2.1.3.5. 4) CNPI 4.3.2.5. 2) CNPI A-4.1.6.1. 1)
NFPA (National Fire Protection Association)	<del>1611-2019</del> 2021	Standard <del>on</del> for <del>Installation</del> Low-, <del>Medium, and of</del> High-Expansion Foam- <del>Water Sprinkler and Foam-</del> Water Spray Systems	NFC 2.1.3.5.(3) NFC 2.1.3.5.(4) NFC 4.3.2.5.(2) CNPI 2.1.3.5. 3) CNPI 2.1.3.5. 4) CNPI 4.3.2.5. 2)
NFPA (National Fire Protection Association)	17A-2017	Standard for Wet Chemical Extinguishing Systems	NFC 2.1.3.5.(3) CNPI 2.1.3.5. 3)
NFPA (National Fire Protection Association)	1710-2010	Standard for the Organization and Deployment of Fire Suppression Operations, Emergency Medical Operations, and Special Operations to the Public by Career Fire Departments	NBC A-3.2.3.1.(8) CNB A-3.2.3.1. 8)
NFPA (National Fire Protection Association)	17-2017	Standard for Dry Chemical Extinguishing Systems	NFC 2.1.3.5.(3) CNPI 2.1.3.5. 3)
NFPA (National Fire Protection Association)	18-2017	Standard on Wetting Agents	NFC 2.1.3.5.(5) CNPI 2.1.3.5. 5)
NFPA (National Fire Protection Association)	2008	Fire Protection Handbook, Twentieth Edition	NBC A-3.2.2.2.(1) NBC A-3.6.2.7.(5) NFC A-2.4.1.3.(1)
NFPA ()	2008	Fire Protection Handbook, Twentieth Edition	CNB A-3.2.2.2. 1) CNB A-3.6.2.7. 5) CNPI A-2.4.1.3. 1)
NFPA (National Fire Protection Association)	2010 Edition	Fire Protection Guide to Hazardous Materials	NBC A-6.9.1.2.(1)
NFPA (National Fire Protection Association)	<del>20-</del> 20162019	Standard for the Installation of Stationary Pumps for Fire Protection	NBC 3.2.4.9.(4) NBC 3.2.5.18.(1) NBC A-3.2.4.9.(3)(f) CNB 3.2.4.9. 4) CNB 3.2.5.18. 1) CNB A-3.2.4.9. 3)f)
NFPA (National Fire Protection Association)	204-2018	Standard for Smoke and Heat Venting	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	211-2019	Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances	NBC 6.3.3.2.(2) NBC 6.3.3.3.(1) CNB 6.3.3.2. 2) CNB 6.3.3.3. 1)
NFPA (National Fire Protection Association)	25-2017	Standard for the Inspection, Testing, and Maintenance of Water-Based Fire Protection Systems	NFC 6.4.1.1.(1) CNPI 6.4.1.1. 1)
NFPA (National Fire Protection Association)	30A-2018	Code for Motor Fuel Dispensing Facilities and Repair Garages	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
NFPA (National Fire Protection Association)	30B-2019	Code for the Manufacture and Storage of Aerosol Products	NFC 3.2.5.2.(1) NFC 3.2.5.5.(1) NFC A-3.2.5.2.(1) CNPI 3.2.5.2. 1) CNPI 3.2.5.5. 1) CNPI A-3.2.5.2. 1)
NFPA (National Fire Protection Association)	30- <del>2018</del> 2021	Flammable and Combustible Liquids Code	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC 4.2.7.6.(1) NFC A-4.1.1.1.(2) NFC A-4.1.4.1.(1) NFC A-4.1.6.1.(1) NFC A-4.2.7.6.(1) NFC A-4.3.16.1.(1) CNPI 4.2.7.6. 1) CNPI A-4.1.1. 2) CNPI A-4.1.4.1. 1) CNPI A-4.1.6.1. 1) CNPI A-4.2.7.6. 1) CNPI A-4.3.16.1. 1)
NFPA (National Fire Protection Association)	303-2016	Fire Protection Standard for Marinas and Boatyards	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	307-2016	Standard for the Construction and Fire Protection of Marine Terminals, Piers, and Wharves	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	32-2016	Standard for Drycleaning Facilities	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC 5.4.2.1.(1) CNPI 5.4.2.1. 1)
NFPA (National Fire Protection Association)	326-2020	Standard for the Safeguarding of Tanks and Containers for Entry, Cleaning, or Repair	NFC A-5.6.1.11.(4) CNPI A-5.6.1.11. 4)
NFPA (National Fire Protection Association)	33- <del>2018</del> 2021	Standard for Spray Application Using Flammable or Combustible Materials	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC 5.4.5.2.(1) CNPI 5.4.5.2. 1)
NFPA (National Fire Protection Association)	34-2018	Standard for Dipping, Coating, and Printing Processes Using Flammable or Combustible Liquids	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC 5.4.6.2.(1) CNPI 5.4.6.2. 1)
NFPA (National Fire Protection Association)	35-2016	Standard for Manufacture of Organic Coatings	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	36-2017	Standard for Solvent Extraction Plants	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC A-4.1.1.1.(2) CNPI A-4.1.1.1. 2)
NFPA (National Fire Protection Association)	37- <del>2018</del> 2021	Standard for the Installation and Use of Stationary Combustion Engines and Gas Turbines	NFC 4.3.13.2.(1) CNPI 4.3.13.2. 1)
NFPA (National Fire Protection Association)	40-2019	Standard for the Storage and Handling of Cellulose Nitrate Film	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	409-2016	Standard on Aircraft Hangars	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
NFPA (National Fire Protection Association)	415-2016	Standard on Airport Terminal Buildings, Fueling Ramp Drainage, and Loading Walkways	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	484-2019	Standard for Combustible Metals	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC A-5.3.1.3.(2) CNPI A-5.3.1.3. 2)
NFPA (National Fire Protection Association)	497-2017	Recommended Practice for the Classification of Flammable Liquids, Gases, or Vapors and of Hazardous (Classified) Locations for Electrical Installations in Chemical Process Areas	NFC A-4.1.4.1.(1) CNPI A-4.1.4.1. 1)
NFPA (National Fire Protection Association)	505-2018	Fire Safety Standard for Powered Industrial Trucks Including Type Designations, Areas of Use, Conversions, Maintenance, and Operations	NFC 3.1.3.1.(1) CNPI 3.1.3.1. 1)
NFPA (National Fire Protection Association)	51A-2012	Standard for Acetylene Cylinder Charging Plants	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	51-2018	Standard for the Design and Installation of Oxygen-Fuel Gas Systems for Welding, Cutting, and Allied Processes	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC 5.2.2.4.(1) CNPI 5.2.2.4. 1)
NFPA (National Fire Protection Association)	55-2020	Compressed Gases and Cryogenic Fluids Code	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC A-3.1.1.4. NFC A-5.5.5.3.(5)(b) and (7)(b) CNPI A-3.1.1.4. CNPI A-5.5.5.3. 5)b) et 7)b)
NFPA (National Fire Protection Association)	61-2017	Standard for the Prevention of Fires and Dust Explosions in Agricultural and Food Processing Facilities	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC A-5.3.1.3.(2) CNPI A-5.3.1.3. 2)
NFPA (National Fire Protection Association)	654- <del>2017</del> 2020	Standard for the Prevention of Fire and Dust Explosions from the Manufacturing, Processing, and Handling of Combustible Particulate Solids	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC A-5.3.1.3.(2) CNPI A-5.3.1.3. 2)
NFPA (National Fire Protection Association)	655-2017	Standard for Prevention of Sulfur Fires and Explosions	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC A-5.3.1.3.(2) CNPI A-5.3.1.3. 2)
NFPA (National Fire Protection Association)	664-2017	Standard for the Prevention of Fires and Explosions in Wood Processing and Woodworking Facilities	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC 5.3.2.1.(1) NFC A-5.3.1.3.(2) CNPI 5.3.2.1. 1) CNPI A-5.3.1.3. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
NFPA (National Fire Protection Association)	68- <del>2013</del> 2018	Standard on Explosion Protection by Deflagration Venting	NBC 3.3.6.4.(2) NBC A-3.6.2.7.(5) NBC A-6.9.1.2.(1) CNB 3.3.6.4. 2) CNB A-3.6.2.7. 5) CNB A-6.9.1.2. 1) NFC 3.2.8.2.(1) NFC 4.3.14.3.(1) NFC 4.9.3.1.(1) NFC 4.9.4.2.(1) NFC 5.3.1.6.(2) CNPI 3.2.8.2. 1) CNPI 4.3.14.3. 1) CNPI 4.9.3.1. 1) CNPI 4.9.4.2. 1) CNPI 5.3.1.6. 2)
NFPA (National Fire Protection Association)	69- <del>2014</del> 2019	Standard on Explosion Prevention Systems	NBC A-3.6.2.7.(5) NBC A-6.9.1.2.(1) CNB A-3.6.2.7. 5) CNB A-6.9.1.2. 1) NFC 4.3.2.5.(2) NFC 4.9.4.2.(1) NFC 5.3.1.7.(2) CNPI 4.3.2.5. 2) CNPI 4.9.4.2. 1) CNPI 5.3.1.7. 2)
NFPA (National Fire Protection Association)	705-2018	Recommended Practice for a Field Flame Test for Textiles and Films	NFC 2.3.2.2.(1) NFC 2.9.2.1.(1) NFC A-2.3.2.2.(1) CNPI 2.3.2.2. 1) CNPI 2.9.2.1. 1) CNPI A-2.3.2.2. 1)
NFPA (National Fire Protection Association)	72-2019	National Fire Alarm and Signaling Code	NBC A-3.2.4.22.(1)(b) CNB A-3.2.4.22. 1)b)
NFPA (National Fire Protection Association)	80A- <del>2012</del> 2017	Recommended Practice for Protection of Buildings from Exterior Fire Exposures	NBC A-3 CNB A-3 NFC A-2.4.1.1.(6) CNPI A-2.4.1.1. 6)
NFPA (National Fire Protection Association)	80- <del>2013</del> 2019	Standard for Fire Doors and Other Opening Protectives	NBC 3.1.8.12.(2) NBC 3.1.8.16.(1) NBC 3.1.8.5.(2) NBC 3.1.9.1.(5) NBC 9.10.13.1.(1) NBC 9.10.9.9.(5) NBC A-3.1.8.1.(2) NBC A-3.2.8.2.(3) NBC D-5.2.1. CNB 3.1.8.12. 2) CNB 3.1.8.16. 1) CNB 3.1.8.5. 2) CNB 3.1.9.1. 5) CNB 9.10.13.1. 1) CNB 9.10.9.9. 5) CNB A-3.1.8.1. 2) CNB A-3.2.8.2. 3) CNB D-5.2.1. NFC 2.2.2.4.(5) CNPI 2.2.2.4. 5)

Issuing Agency	Document Number	Title of Document	Code Reference
NFPA (National Fire Protection Association)	82- <del>2014</del> 2019	Standard on Incinerators and Waste and Linen Handling Systems and Equipment	NBC 6.2.2.1.(1) NBC 9.10.10.5.(2) CNB 6.2.2.1. 1) CNB 9.10.10.5. 2) NFC 2.6.2.2.(1) CNPI 2.6.2.2. 1)
NFPA (National Fire Protection Association)	85-2019	Boiler and Combustion Systems Hazards Code	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	86-2019	Standard for Ovens and Furnaces	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1) NFC 5.4.1.2.(1) CNPI 5.4.1.2. 1)
NFPA (National Fire Protection Association)	88A-2019	Standard for Parking Structures	NBC A-6.9.1.2.(1) CNB A-6.9.1.2. 1)
NFPA (National Fire Protection Association)	91-2015	Standard for Exhaust Systems for Air Conveying of Vapors, Gases, Mists, and Particulate Solids	NBC 6.3.4.3.(1) NBC A-6.9.1.2.(1) CNB 6.3.4.3. 1) CNB A-6.9.1.2. 1) NFC 3.2.2.3.(5) NFC 4.1.7.2.(5) NFC A-5.3.1.3.(2) CNPI 3.2.2.3. 5) CNPI 4.1.7.2. 5) CNPI A-5.3.1.3. 2)
NFPA (National Fire Protection Association)	96-2014	Standard for Ventilation Control and Fire Protection of Commercial Cooking Operations	NBC 3.2.4.8.(2) NBC 3.6.3.5.(1) NBC 6.3.1.6.(1) NBC A-3.3.1.2.(2) NBC A-3.6.3.5. NBC A-6.9.1.2.(1) NBC A-9.10.1.4.(1) CNB 3.2.4.8. 2) CNB 3.6.3.5. 1) CNB 6.3.1.6. 1) CNB A-3.3.1.2. 2) CNB A-3.6.3.5. CNB A-6.9.1.2. 1) CNB A-9.10.1.4. 1) NFC 2.6.1.9.(2) CNPI 2.6.1.9. 2)
NFRC (National Fenestration Rating Council)	100-2010	Procedure for Determining Fenestration Product U-factors	NBC 9.36.2.2.(3) CNB 9.36.2.2. 3) NECB 3.1.1.5.(3) CNÉB 3.1.1.5. 3)
NFRC (National Fenestration Rating Council)	200-2010	Procedure for Determining Fenestration Product Solar Heat Gain Coefficient and Visible Transmittance at Normal Incidence	NBC 9.36.2.2.(3) CNB 9.36.2.2. 3)
NIST (National Institute of Standards and Technology)	Building Materials and Structures Report BMS 79, 1941	Water-Distributing Systems for Buildings	NPC A-2.6.3. CNP A-2.6.3.

Issuing Agency	Document Number	Title of Document	Code Reference
NLGA (National Lumber Grades Authority)	SPS-1- <del>2017</del> 2023	Special Products Standard for Fingerjoined Structural Lumber	NBC A-9.23.10.4.(1) NBC Table 9.10.3.1.-A CNB A-9.23.10.4. 1) CNB Tableau 9.10.3.1.-A
NLGA (National Lumber Grades Authority)	SPS-3- <del>2017</del> 2023	Special Products Standard for Fingerjoined "Vertical Stud Use Only" Lumber	NBC A-9.23.10.4.(1) NBC Table 9.10.3.1.-A CNB A-9.23.10.4. 1) CNB Tableau 9.10.3.1.-A
NLGA (National Lumber Grades Authority)	<del>2017</del> 2022	Standard Grading Rules for Canadian Lumber	NBC 9.3.2.1.(1) NBC A-9.23.10.4.(1) NBC A-9.3.2.1.(1) NBC A-9.3.2.8.(1) NBC A-Table 9.3.2.1. NBC Table A-9.3.2.1.(1)A
NLGA (Commission nationale de classification des sciages)	<del>2017</del> 2022	Règles de classification pour le bois d'oeuvre canadien	CNB 9.3.2.1. 1) CNB A-9.23.10.4. 1) CNB A-9.3.2.1. 1) CNB A-9.3.2.8. 1) CNB A- Tableau 9.3.2.1. CNB Tableau A-9.3.2.1. 1)A
CNRC (Conseil national de recherches du Canada)	BPN 54F-85	La différence entre un pare-vapeur et un pare-air	CNB A-9.25.1.1. 2)
NRC (National Research Council of Canada)	BPN 54-85	The difference between a vapour barrier and an air barrier	NBC A-9.25.1.1.(2)
NRC (National Research Council of Canada)	CBD 222	Airtight houses and carbon monoxide poisoning	NBC A-9.33.1.1.(2)
NRC (National Research Council of Canada)	CBD 230	Applying building codes to existing buildings	NBC A-1.1.1.1.(1) of Division A
NRC (National Research Council of Canada)	CBD 231	Moisture problems in houses	NBC A-9.25.3.1.(1)
NRC (National Research Council of Canada)	CRBCPI-Y2-R19	Guideline on Design for Durability of Building Envelopes	NBC A-5.1.4.2. NBC A-5.4.1.1.(3) CNB A-5.1.4.2. CNB A-5.4.1.1. 3)
CNRC (Conseil national de recherches du Canada)	DCC 222F	Étanchéité à l'air des maisons et oxycarbonisme	CNB A-9.33.1.1. 2)
CNRC (Conseil national de recherches du Canada)	DCC 230F	Application des codes aux bâtiments existants	CNB A-1.1.1.1. 1) de la division A
CNRC (Conseil national de recherches du Canada)	DCC 231F	Problèmes d'humidité dans les maisons	CNB A-9.25.3.1. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
CNRC (Conseil national de recherches du Canada)	NRCC 49677F-2007	Guide des règles de l'art sur les coupe-feu et les pare-feu et leur effet sur la transmission acoustique	CNB A-9.11.
NRC (National Research Council of Canada)	NRCC 49677-2007	Best Practice Guide on Fire Stops and Fire Blocks and their Impact on Sound Transmission	NBC A-9.11.
NRC (National Research Council of Canada)	17808-2005	Performance Guidelines for Basement Envelope Systems and Materials: Final Research Report	NBC A-9.25.5.1. CNB A-9.25.5.1.
NRC (National Research Council of Canada)	1988	Performance and acceptability of wood floors – Forintek studies	NBC A-9.23.4.2.(2)
CNRC (Conseil national de recherches du Canada)	1988	Performance and Acceptability of Wood Floors – Forintek Studies	CNB A-9.23.4.2. 2)
NRC Const. (National Research Council Construction)	RR-331- <del>2017</del> 2023	Guide to Calculating Airborne Sound Transmission in Buildings	NBC A-5.8.1.4. NBC A-5.8.1.4.(4)(b)
CNRC Const. (Conseil National de Recherches Construction)	RR-331- <del>2017</del> 2023	Guide <del>pour</del> <b>to leCalculating calcul</b> <b>Airborne deSound</b> <b>laTransmission transmissionin</b> <b>des bruits aériens dans les bâtimentsBuildings</b>	CNB A-5.8.1.4. CNB A-5.8.1.4. 4)b)
NRC Const. (National Research Council Construction)	2005	A Guide for the Wind Design of Mechanically Attached Flexible Membrane Roofs	NBC A-5.2.2.2.(4)
CNRC Const. (Conseil National de Recherches Construction)	2005	Guide de conception pour contrer les effets du vent sur les couvertures à membrane souple fixées mécaniquement	CNB A-5.2.2.2. 4)
NRCA (National Roofing Contractors Association)	3rd Edition, 2017	The NRCA Vegetative Roof Systems Manual	NBC A-5.6.1.2.(2) CNB A-5.6.1.2. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
RNCan (Ressources naturelles Canada)	DORS/2016-311	Règlement de 2016 sur l'efficacité énergétique	CNB Tableau 9.36.4.2. CNÉB 5.2.12.4. 1) CNÉB 6.2.2.4. 2) CNÉB 6.2.2.5. 1) CNÉB A-5.2.12.1. 1) et 6.2.2.1. 1) CNÉB Tableau 5.2.12.1.-A CNÉB Tableau 5.2.12.1.-B CNÉB Tableau 5.2.12.1.-C CNÉB Tableau 5.2.12.1.-D CNÉB Tableau 5.2.12.1.-E CNÉB Tableau 5.2.12.1.-G CNÉB Tableau 5.2.12.1.-I CNÉB Tableau 5.2.12.1.-K CNÉB Tableau 5.2.12.1.-N CNÉB Tableau 5.2.12.1.-O CNÉB Tableau 6.2.2.1.
RNCan (Ressources naturelles Canada)	L.C. 1992, ch. 36	Loi sur l'efficacité énergétique	CNÉB 5.2.12.4. 1) CNÉB 6.2.2.4. 2) CNÉB 6.2.2.5. 1) CNÉB A-5.2.12.1. 1) et 6.2.2.1. 1)
RNCan (Ressources naturelles Canada)	L.R.C. (1985), ch. E-17	Loi sur les explosifs	CNB 3.3.6.2. 3) CNPI 3.1.1.3. 1) CNPI 5.1.1.2. 1) CNPI A-3.2.9.1. 1)
NRCan (Natural Resources Canada)	R.S.C. 1985, c. E-17	Explosives Act	NBC 3.3.6.2.(3) NFC 3.1.1.3.(1) NFC 5.1.1.2.(1) NFC A-3.2.9.1.(1)
NRCan (Natural Resources Canada)	S.C. 1992, c. 36	Energy Efficiency Act	NECB 5.2.12.4.(1) NECB 6.2.2.4.(2) NECB 6.2.2.5.(1) NECB A-5.2.12.1.(1) and 6.2.2.1.(1)

Issuing Agency	Document Number	Title of Document	Code Reference
NRCan (Natural Resources Canada)	SOR/2016-311	Energy Efficiency Regulations, 2016	NBC Table 9.36.4.2. NECB 5.2.12.4.(1) NECB 6.2.2.4.(2) NECB 6.2.2.5.(1) NECB A-5.2.12.1.(1) and 6.2.2.1.(1) NECB Table 5.2.12.1.A NECB Table 5.2.12.1.B NECB Table 5.2.12.1.C NECB Table 5.2.12.1.D NECB Table 5.2.12.1.E NECB Table 5.2.12.1.G NECB Table 5.2.12.1.I NECB Table 5.2.12.1.K NECB Table 5.2.12.1.N NECB Table 5.2.12.1.O NECB Table 6.2.2.1.
NRCan (Natural Resources Canada)	2010	Display Fireworks Manual	NFC 5.1.1.3.(1)
RNCan (Ressources naturelles Canada)	2010	Manuel de l'artificier	CNPI 5.1.1.3. 1)
NSF (National Sanitation Foundation International)	NSF Pro 151-8-1-95	Health Effects from Rainwater Catchment System Components	NPC A-2.7.2.3.(2) CNP A-2.7.2.3. 2)
NYCDH (New York City Department of Health and Mental Hygiene, Environmental and Occupational Disease Epidemiology)	2008	Guidelines on Assessment and Remediation of Fungi in Indoor Environments	NBC A-5.5.1.1. CNB A-5.5.1.1.
OCIME (Oil Companies International Marine Forum)	2009	Guide to Manufacturing and Purchasing Hoses for Offshore Moorings, 5th Edition	NFC A-4.8.8.1.(1)(a) CNPI A-4.8.8.1. 1)a)
OMMAH (Ontario Ministry of Municipal Affairs and Housing)	2012	2012 Building Code Compendium, Volume 2, Supplementary Standard SB-7, Guards for Housing and Small Buildings	NBC A-9.8.8.2. CNB A-9.8.8.2.
SFPE (Society of Fire Protection Engineers)	4th Edition	Handbook of Fire Protection Engineering	NFC A-4.1.6.1.(1) CNPI A-4.1.6.1. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
SMACNA (Sheet Metal and Air Conditioning Contractor's National Association)	ANSI/SMACNA 006-2006	HVAC Duct Construction Standards - Metal and Flexible	NBC 9.33.6.5.(2) NBC A-9.36.3.2.(2) CNB 9.33.6.5. 2) CNB A-9.36.3.2. 2) NECB 5.2.2.3.(1) NECB A-5.2.2.1.(1) NECB Table 5.2.2.3. CNÉB 5.2.2.3. 1) CNÉB A-5.2.2.1. 1) CNÉB Tableau 5.2.2.3.
SMACNA (Sheet Metal and Air Conditioning Contractor's National Association)	ANSI/SMACNA 016-2012	HVAC Air Duct Leakage Test Manual	NECB 5.2.2.4.(1) NECB A-5.2.2.1.(1) CNÉB 5.2.2.4. 1) CNÉB A-5.2.2.1. 1)
SMACNA (Sheet Metal and Air Conditioning Contractor's National Association)	2003	Fibrous Glass Duct Construction Standards	NECB A-5.2.2.1.(1) CNÉB A-5.2.2.1. 1)
SMACNA (Sheet Metal and Air Conditioning Contractor's National Association)	2006	HVAC Systems Duct Design	NECB A-5.2.2.1.(1) CNÉB A-5.2.2.1. 1)
SPRI (Single Ply Roofing Industry)	ANSI/GRHC/SPRI VR-1-2018	Procedure for Investigating Resistance to Root or Rhizome Penetration on Vegetative Roofs	NBC 5.6.1.2.(2) CNB 5.6.1.2. 2)
SPRI (Single Ply Roofing Industry)	ANSI/SPRI WD-1-2014	Wind Design Standard Practice for Roofing Assemblies	NBC A-5.2.2.2.(4) CNB A-5.2.2.2. 4)
STI/SPFA (Steel Tank Institute/Steel Plate Fabricators Association)	SP031-2008	Standard for Repair of Shop Fabricated Aboveground Tanks for Storage of Flammable and Combustible Liquids	NFC 4.3.1.10.(2) CNPI 4.3.1.10. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
TC (Transports Canada)	DORS/2001-286	Règlement sur le transport des marchandises dangereuses (TMD)	CNB 1.4.1.2. 1) de la division A CNB A-1.4.1.2. 1) de la division A CNB A-3.3.1.2. 1) CNPI 1.4.1.2. 1) de la division A CNPI 3.1.2.1. 1) CNPI 3.2.7.1. 3) CNPI 3.2.7.14. 1) CNPI 3.2.7.14. 4) CNPI 3.2.7.15. 2) CNPI 3.3.4.1. 3) CNPI 4.1.1.1. 3) CNPI 4.2.3.1. 1) CNPI 4.2.3.2. 2) CNPI A-1.4.1.2. 1) de la division A CNPI A-3.2.7.1. 3)b) CNPI A-3.2.7.14. 1) CNPI A-3.2.7.6. 3) CNPI A-4.1.2.1. CNPI A-4.2.2.3. 2) CNPI Tableau 3.2.7.1. CNPI Tableau 3.2.7.6.
TC (Transports Canada)	DORS/2012-69	Règlement sur la pollution par les bâtiments et sur les produits chimiques dangereux	CNPI A-4.8.8.1. 1)a)
TC (Transports Canada)	DORS/82-1015	Règlement sur la prévention des étincelles électriques sur les chemins de fer	CNPI 4.7.4.5. 2) CNPI 4.8.5.1. 1)
TC (Transports Canada)	DORS/96-433	Règlement de l'aviation canadien - Partie III	CNB 4.1.5.13. 1) CNPI 2.13.1.1. 1)
TC (Transport Canada)	General Order No. 0-32, C.R.C., c. 1148	Flammable Liquids Bulk Storage Regulations	NFC 4.5.6.5.(4) NFC 4.7.2.2.(1) NFC 4.7.4.1.(2)
TC (Transports Canada)	Ordonnance générale n° 0-32, C.R.C., ch. 1148	Règlement sur l'emmagasinage en vrac des liquides inflammables	CNPI 4.5.6.5. 4) CNPI 4.7.2.2. 1) CNPI 4.7.4.1. 2)

Issuing Agency	Document Number	Title of Document	Code Reference
TC (Transport Canada)	SOR/2001-286	Transportation of Dangerous Goods Regulations (TDGR)	NBC 1.4.1.2.(1) of Division A NBC A-1.4.1.2.(1) of Division A NBC A-3.3.1.2.(1) NFC 1.4.1.2.(1) of Division A NFC 3.1.2.1.(1) NFC 3.2.7.1.(3) NFC 3.2.7.14.(1) NFC 3.2.7.14.(4) NFC 3.2.7.15.(2) NFC 3.3.4.1.(3) NFC 4.1.1.1.(3) NFC 4.2.3.1.(1) NFC 4.2.3.2.(2) NFC A-1.4.1.2.(1) of Division A NFC A-3.2.7.1.(3)(b) NFC A-3.2.7.14.(1) NFC A-3.2.7.6.(3) NFC A-4.1.2.1. NFC A-4.2.2.3.(2) NFC Table 3.2.7.1. NFC Table 3.2.7.6.
TC (Transport Canada)	SOR/2012-69	Vessel Pollution and Dangerous Chemicals Regulations	NFC A-4.8.8.1.(1)(a)
TC (Transport Canada)	SOR/82-1015	Railway Prevention of Electric Sparks Regulations	NFC 4.7.4.5.(2) NFC 4.8.5.1.(1)
TC (Transport Canada)	SOR/96-433	Canadian Aviation Regulations - Part III	NBC 4.1.5.13.(1) NFC 2.13.1.1.(1)
TC (Transport Canada)	2001	Standards Respecting Pipeline Crossings Under Railways	NFC 4.5.6.5.(3)
TC (Transports Canada)	2001	Normes concernant les canalisations traversant sous les voies ferrées	CNPI 4.5.6.5. 3)
TIAC (Thermal Insulation Association of Canada)	2013	Mechanical Insulation Best Practices Guide	NBC A-6.3.2.5. NPC A-2.3.5.3. NECB A-5.2.2.5.(8) and 5.2.5.3.(7)
ACIT (Association Canadienne de l'isolation Thermique)	2013	Guide des meilleures pratiques d'isolation mécanique	CNB A-6.3.2.5. CNP A-2.3.5.3. CNÉB A-5.2.2.5. 8) et 5.2.5.3. 7)
TPIC (Truss Plate Institute of Canada)	<b>2019</b> <b>2024</b>	Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses	NBC 9.23.14.11.(1) CNB 9.23.14.11. 1)
TWC (Tarion Warranty Corporation (formerly ONHWP - Ontario New Home Warranty Program))	1993	Details of Air Barrier Systems for Houses	NBC Table A-9.25.5.1.(1) CNB Tableau A-9.25.5.1. 1)
UL (Underwriters Laboratories Inc.)	ANSI/UL 1784-2015	Standard for Air Leakage Tests of Door Assemblies and Other Opening Protectives	NBC 3.1.8.4.(4) CNB 3.1.8.4. 4)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Underwriter's Laboratories of Canada)	ANSI/CAN/UL/ULC 2258:2018	Standard for Aboveground Nonmetallic Tanks for Fuel Oil and Other Combustible Liquids	NFC 4.3.1.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	ANSI/CAN/UL/ULC 2258:2018	Norme sur les réservoirs non métalliques hors sol pour le mazout et autres liquides combustibles	CNPI 4.3.1.2. 1)
ULC (Underwriter's Laboratories of Canada)	ANSI/CAN/UL/ULC 300- <del>2019</del> :2024	Standard for Fire Testing of Fire Extinguishing Systems for Protection of Commercial Cooking Equipment	NBC 6.9.1.3.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	ANSI/CAN/UL/ULC 300- <del>2019</del> :2024	Norme sur la mise à l'essai de systèmes d'extinction d'incendie conçus pour la protection d'équipement de cuisson commercial	CNB 6.9.1.3. 1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC 628:2022	Norme sur les foyers encastrables et les poêles sur socle	CNB 9.22.10.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC- <del>S1001-11</del> 1001:2024	Standard for Integrated Systems Testing of Fire Protection and Life Safety Systems	NBC 3.2.9.1.(1) NBC 9.10.1.2.(1) NBC A-3.2.9.1.(1) NFC 6.8.1.1.(1) NFC A-6.8.1.1.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC- <del>S1001-11</del> 1001:2024	Norme sur les essais intégrés de systèmes de protection incendie et de sécurité des personnes	CNB 3.2.9.1. 1) CNB 9.10.1.2. 1) CNB A-3.2.9.1. 1) CNPI 6.8.1.1. 1) CNPI A-6.8.1.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S101-14	Standard Method of Fire Endurance Tests of Building Construction and Materials	NBC 2.2.1.10.(1) NBC 2.2.1.8.(4) NBC 3.1.11.7.(1) NBC 3.1.5.14.(5) NBC 3.1.5.14.(6) NBC 3.1.5.15.(3) NBC 3.1.5.15.(4) NBC 3.1.5.7.(2) NBC 3.1.7.1.(1) NBC 3.2.3.8.(1) NBC 9.10.16.3.(1) NBC A-3.1.5.14.(5)(d) NBC D-1.1.1. NBC D-1.12.1. NBC D-2.11.1. NBC D-2.3.2. NBC Table 9.10.3.1.-B

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S101-14	Méthodes d'essai normalisées de résistance au feu pour les bâtiments et les matériaux de construction	CNB 2.2.1.10. 1) CNB 2.2.1.8. 4) CNB 3.1.11.7. 1) CNB 3.1.5.14. 5) CNB 3.1.5.14. 6) CNB 3.1.5.15. 3) CNB 3.1.5.15. 4) CNB 3.1.5.7. 2) CNB 3.1.7.1. 1) CNB 3.2.3.8. 1) CNB 9.10.16.3. 1) CNB A-3.1.5.14. 5)d) CNB D-1.1.1. CNB D-1.12.1. CNB D-2.11.1. CNB D-2.3.2. CNB Tableau 9.10.3.1.-B
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S102-10	Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies	NBC 3.1.12.1.(1) NBC 3.1.5.24.(1) NBC 9.29.5.2.(1) NBC D-1.1.1. NBC D-6.1.1. NBC Table 5.9.1.1. NBC Table 9.23.17.2.A
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S102-10	Méthode d'essai normalisée caractéristiques de combustion superficielle des matériaux de construction et assemblages	CNB 3.1.12.1. 1) CNB 3.1.5.24. 1) CNB 9.29.5.2. 1) CNB D-1.1.1. CNB D-6.1.1. CNB Tableau 5.9.1.1. CNB Tableau 9.23.17.2.A
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S102.2:2018	Standard Method of Test for Surface Burning Characteristics of Flooring, Floor Coverings, and Miscellaneous Materials and Assemblies	NBC 3.1.12.1.(2) NBC 3.1.13.4.(1) NBC 9.27.12.1.(4) NBC 9.27.13.1.(2) NBC D-1.1.1. NBC D-3.1.1.
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S102.2:2018	Méthode d'essai normalisée caractéristiques de combustion superficielle des revêtements de sol et des divers matériaux et assemblages	CNB 3.1.12.1. 2) CNB 3.1.13.4. 1) CNB 9.27.12.1. 4) CNB 9.27.13.1. 2) CNB D-1.1.1. CNB D-3.1.1.
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S102.3:2018	Standard Method of Fire Test of Light Diffusers and Lenses	NBC 3.1.13.4.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S102.3:2018	Méthode d'essai normalisée de résistance au feu pour les diffuseurs et verres d'appareils d'éclairage	CNB 3.1.13.4. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S102.4:2017	Standard Method of Test for Fire and Smoke Characteristics of Electrical Wiring, Cables and Non-Metallic Raceways	NBC 3.1.4.3.(2) NBC 3.1.5.21.(2) NBC 3.1.5.23.(2)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S102.4:2017	Méthode d'essai normalisée caractéristiques de résistance au feu et à la fumée des fils et câbles électriques et des canalisations non métalliques	CNB 3.1.4.3. 2) CNB 3.1.5.21. 2) CNB 3.1.5.23. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S104-15	Standard Method for Fire Tests of Door Assemblies	NBC 3.1.8.4.(1) NBC 3.2.6.5.(3)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S104-15	Méthode normalisée des essais de résistance au feu des portes	CNB 3.1.8.4. 1) CNB 3.2.6.5. 3)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S105:2016	Standard Specification for Fire Door Frames Meeting the Performance Required by CAN/ULC-S104	NBC 9.10.13.6.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S105:2016	Norme sur les cadres de porte coupe-feu satisfaisant aux exigences de rendement de la norme CAN/ULC-S104	CNB 9.10.13.6. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S106-15	Standard Method for Fire Tests of Window and Glass Block Assemblies	NBC 3.1.8.4.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S106-15	Méthode normalisée des essais de comportement au feu des fenêtres et des briques de verre	CNB 3.1.8.4. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S107:2019	Standard Methods of Fire Tests of Roof Coverings	NBC 3.1.15.1.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S107:2019	Méthodes normalisées d'essai de résistance au feu des matériaux de couverture	CNB 3.1.15.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S109-14	Standard Method for Flame Tests of Flame-Resistant Fabrics and Films	NBC 2.2.1.14.(1) NBC 3.1.16.1.(1) NBC 3.1.18.5.(1) NBC 3.6.5.2.(2) NBC 3.6.5.3.(1) NBC 9.33.6.3.(1) NFC 2.3.2.1.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S109-14	Méthode normalisée des essais de comportement au feu des tissus et pellicules ininflammables	CNB 2.2.1.14. 1) CNB 3.1.16.1. 1) CNB 3.1.18.5. 1) CNB 3.6.5.2. 2) CNB 3.6.5.3. 1) CNB 9.33.6.3. 1) CNPI 2.3.2.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S110-13	Standard Methods of Test for Air Ducts	NBC 3.6.5.1.(2) NBC 3.6.5.1.(5) NBC 9.33.6.2.(2) NBC 9.33.6.2.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S110-13	Méthodes normalisées d'essai des conduits d'air	CNB 3.6.5.1. 2) CNB 3.6.5.1. 5) CNB 9.33.6.2. 2) CNB 9.33.6.2. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S111-13	Standard Method of Fire Tests for Air Filter Units	NBC 6.3.2.13.(1) NBC 9.33.6.14.(1)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S111-13	Méthode d'essai normalisée de résistance au feu des filtres	CNB 6.3.2.13. 1) CNB 9.33.6.14. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S112-10	Standard Method of Fire Test of Fire Damper Assemblies	NBC 3.1.8.4.(1) NBC A-3.2.6.6.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S112-10	Méthode d'essai normalisée de résistance au feu des registres coupe-feu	CNB 3.1.8.4. 1) CNB A-3.2.6.6. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S112.1-10	Standard for Leakage Rated Dampers for Use in Smoke Control Systems	NBC 3.1.8.4.(3) NBC 6.3.2.7.(3)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S112.1-10	Norme sur les registres étanches pour systèmes de désenfumage	CNB 3.1.8.4. 3) CNB 6.3.2.7. 3)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S112.2-07	Standard Method of Fire Test of Ceiling Firestop Flap Assemblies	NBC 3.6.4.3.(2) NBC 9.10.13.14.(1) NBC D-2.3.10. NBC D-2.3.11.
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S112.2-07	Méthode d'essai normalisée de comportement au feu des clapets coupe-feu situés dans les plafonds	CNB 3.6.4.3. 2) CNB 9.10.13.14. 1) CNB D-2.3.10. CNB D-2.3.11.
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S113:2016	Standard Specification for Wood Core Doors Meeting the Performance Required by CAN/ULC-S104 for Twenty Minute Fire Rated Closure Assemblies	NBC 9.10.13.2.(1) NBC A-9.10.13.2.(1) NBC A-9.10.9.3.(2)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S113:2016	Spécification de norme : portes à âme de bois satisfaisant aux exigences de rendement de CAN/ULC-S104 pour les dispositifs de fermeture ayant un degré de résistance au feu de vingt minutes	CNB 9.10.13.2. 1) CNB A-9.10.13.2. 1) CNB A-9.10.9.3. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S114:2018	Standard Method of Test for Determination of Non-Combustibility in Building Materials	NBC 1.4.1.2.(1) of Division A NBC D-1.1.1. NBC D-4.1.1. NBC D-4.2.1. NPC 1.4.1.2.(1) of Division A
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S114:2018	Méthode d'essai normalisée pour la détermination de l'incombustibilité des matériaux de construction	CNB 1.4.1.2. 1) de la division A CNB D-1.1.1. CNB D-4.1.1. CNB D-4.2.1. CNP 1.4.1.2. 1) de la division A

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S115- <del>11</del> :2023	Standard Method of Fire Tests of Firestop Systems	NBC 3.1.5.19.(3) NBC 3.1.8.3.(3) NBC 3.1.9.1.(1) NBC 3.1.9.1.(2) NBC 3.1.9.1.(3) NBC 3.1.9.1.(6) NBC 3.1.9.1.(7) NBC 3.1.9.3.(1) NBC 3.1.9.3.(2) NBC 3.1.9.3.(4) NBC 3.1.9.4.(4) NBC 3.1.9.4.(7) NBC 9.10.9.2.(3) NBC 9.10.9.6.(1) NBC 9.10.9.6.(2) NBC 9.10.9.8.(1) NBC 9.10.9.8.(6) NBC A-3.1.11.7.(7) NBC A-3.1.8.3.(2)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S115- <del>11</del> :2023	Méthode normalisée d'essais de résistance au feu des dispositifs coupe-feu	CNB 3.1.5.19. 3) CNB 3.1.8.3. 3) CNB 3.1.9.1. 1) CNB 3.1.9.1. 2) CNB 3.1.9.1. 3) CNB 3.1.9.1. 6) CNB 3.1.9.1. 7) CNB 3.1.9.3. 1) CNB 3.1.9.3. 2) CNB 3.1.9.3. 4) CNB 3.1.9.4. 4) CNB 3.1.9.4. 7) CNB 9.10.9.2. 3) CNB 9.10.9.6. 1) CNB 9.10.9.6. 2) CNB 9.10.9.8. 1) CNB 9.10.9.8. 6) CNB A-3.1.11.7. 7) CNB A-3.1.8.3. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S124- <del>06</del> :2018	Standard Method of Test for the Evaluation of <b>Protective Thermal Coverings Barriers</b> for Foamed Plastic	NBC 3.1.5.15.(2) NBC A-3.1.5.14.(5)(d)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S124- <del>06</del> :2018	Méthode d'essai normalisée pour l'évaluation des <b>revêtements barrières protecteurs thermiques</b> de la <b>mousse mousses plastique plastiques</b>	CNB 3.1.5.15. 2) CNB A-3.1.5.14. 5)d)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S126-14	Standard Method of Test for Fire Spread Under Roof-Deck Assemblies	NBC 3.1.14.1.(1) NBC 3.1.14.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S126-14	Méthode normalisée d'essai sur la propagation des flammes sous les platelages de toits	CNB 3.1.14.1. 1) CNB 3.1.14.2. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S134-13	Standard Method of Fire Test of Exterior Wall Assemblies	NBC 3.1.5.5.(1) NBC 9.10.14.5.(2) NBC 9.10.15.5.(2) NBC 9.10.15.5.(3) NBC D-1.1.1. NBC D-6.1.1.
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S134-13	Méthode normalisée des essais de comportement au feu des murs extérieurs	CNB 3.1.5.5. 1) CNB 9.10.14.5. 2) CNB 9.10.15.5. 2) CNB 9.10.15.5. 3) CNB D-1.1.1. CNB D-6.1.1.
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S137:2017	Standard Method of Test for Fire Growth of Mattresses (Open Flame Test)	NFC 2.3.2.3.(2)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S137:2017	Méthode d'essai normalisée pour la propagation du feu sur les matelas (essai à la flamme nue)	CNPI 2.3.2.3. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S138-06	Standard Method of Test for Fire Growth of Insulated Building Panels in a Full-Scale Room Configuration	NBC 3.1.5.7.(1) NBC 3.1.5.7.(3)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S138-06	Méthode d'essai normalisée de la propagation du feu dans les panneaux de construction isolés d'une configuration de pièces à l'échelle réelle	CNB 3.1.5.7. 1) CNB 3.1.5.7. 3)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S139:2017	Standard for Fire Test for Circuit Integrity of Fire-Resistive Power, Instrumentation, Control and Data Cables	NBC 3.2.6.5.(6) NBC 3.2.7.10.(2) NBC 3.2.7.10.(3)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S139:2017	Normes sur l'essai de résistance au feu pour l'évaluation de l'intégrité des circuits des câbles d'alimentation, de l'instrumentation, des contrôles et de données	CNB 3.2.6.5. 6) CNB 3.2.7.10. 2) CNB 3.2.7.10. 3)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S143-14	Standard Method of Fire Tests for Non-Metallic Electrical and Optical Fibre Cable Raceway Systems	NBC 3.1.5.23.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S143-14	Méthode d'essai normalisée de comportement au feu des systèmes de canalisation non métalliques pour câbles électriques et à fibres optiques	CNB 3.1.5.23. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S144-12	Standard Method of Fire Resistance Test - Grease Duct Assemblies	NBC 3.6.3.5.(2) NBC A-3.6.3.5.
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S144-12	Méthode d'essai normalisée de résistance au feu - conduits de graisse	CNB 3.6.3.5. 2) CNB A-3.6.3.5.
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S146-19	Standard Method of Test for the Evaluation of Encapsulation Materials and Assemblies of Materials for the Protection of Structural Timber Elements	NBC 3.1.6.5.(1)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S146-19	Méthode d'essai normalisée pour l'évaluation des matériaux d'encapsulation et les assemblages de matériaux aux fins de la protection des éléments de bois de charpente	CNB 3.1.6.5. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S503-05	Standard for Carbon-Dioxide Fire Extinguishers	NFC 2.1.5.1.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S503-05	Norme sur les extincteurs au dioxyde de carbone	CNPI 2.1.5.1. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S504-12	Standard for Dry Chemical Fire Extinguishers	NFC 2.1.5.1.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S504-12	Norme sur les extincteurs à poudres chimiques	CNPI 2.1.5.1. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S507-05	Standard for Water Fire Extinguishers	NFC 2.1.5.1.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S507-05	Norme sur les extincteurs à eau	CNPI 2.1.5.1. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S508-02:2023	Standard for the Rating and Fire Testing of Fire Extinguishers	NFC 2.1.5.1.(5)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S508-02:2023	<b>Norme sur la classification et les essais</b> sur foyers types des extincteurs	CNPI 2.1.5.1. 5)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S512-M87	Standard for Halogenated Agent Hand and Wheeled Fire Extinguishers	NFC 2.1.5.1.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S512-M87	Norme sur les extincteurs à produits halogénés, à main et sur roues	CNPI 2.1.5.1. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S524:2019	Standard for Installation of Fire Alarm Systems	NBC 3.1.8.11.(3) NBC 3.1.8.14.(3) NBC 3.2.4.20.(10) NBC 3.2.4.20.(15) NBC 3.2.4.20.(7) NBC 3.2.4.20.(8) NBC 3.2.4.5.(1) NBC 9.10.19.4.(3) NBC 9.10.19.6.(2) NBC A-3.2.4.18.(9) and (10) NBC A-3.2.4.19.(1)(g) NBC A-3.2.4.20.(10) NBC A-3.2.4.7.(4)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S524:2019	Norme sur l'installation des systèmes d'alarme incendie	CNB 3.1.8.11. 3) CNB 3.1.8.14. 3) CNB 3.2.4.20. 10) CNB 3.2.4.20. 15) CNB 3.2.4.20. 7) CNB 3.2.4.20. 8) CNB 3.2.4.5. 1) CNB 9.10.19.4. 3) CNB 9.10.19.6. 2) CNB A-3.2.4.18. 9) et 10) CNB A-3.2.4.19. 1)g) CNB A-3.2.4.20. 10) CNB A-3.2.4.7. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S526-2016	Visible Signaling Devices for Fire Alarm and Signaling Systems, Including Accessories	NBC A-3.2.4.19.(3)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S526-2016	Appareils à signal visuel pour systèmes d'alarme incendie, y compris les accessoires	CNB A-3.2.4.19. 3)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S531:2019	Standard for Smoke Alarms	NBC 3.2.4.20.(2) NBC 9.10.19.1.(1) NFC 2.1.3.3.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S531:2019	Norme sur les avertisseurs de fumée	CNB 3.2.4.20. 2) CNB 9.10.19.1. 1) CNPI 2.1.3.3. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S536:2019	Standard for Inspection and Testing of Fire Alarm Systems	NFC 6.3.1.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S536:2019	Norme sur l'inspection et la mise à l'essai des systèmes d'alarme incendie	CNPI 6.3.1.2. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S537:2019	Standard for Verification of Fire Alarm Systems	NBC 3.2.4.5.(2)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S537:2019	Norme sur la vérification des systèmes d'alarme d'incendie	CNB 3.2.4.5. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S540-13	Standard for Residential Fire and Life Safety Warning Systems: Installation, Inspection, Testing and Maintenance	NBC 3.2.4.21.(1) NBC 9.10.19.8.(1) NBC 9.10.2.2.(3) NBC 9.10.2.2.(4) NFC 6.7.1.1.(3)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S540-13	Norme sur les systèmes d'alarme incendie résidentiels et de sécurité des personnes : installation, inspection, mise à l'essai et entretien	CNB 3.2.4.21. 1) CNB 9.10.19.8. 1) CNB 9.10.2.2. 3) CNB 9.10.2.2. 4) CNPI 6.7.1.1. 3)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S552-14	Standard for Maintenance and Testing of Smoke Alarms	NFC 6.7.1.1.(1)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S552-14	Norme sur l'entretien et la mise à l'essai des avertisseurs de fumée	CNPI 6.7.1.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S553-14	Standard for the Installation of Smoke Alarms	NBC 3.2.4.20.(13) NBC 9.10.19.3.(2) NFC 2.1.3.3.(3)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S553-14	Norme sur l'installation des avertisseurs de fumée	CNB 3.2.4.20. 13) CNB 9.10.19.3. 2) CNPI 2.1.3.3. 3)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S554:2016	Standard for Water Based Agent Fire Extinguishers	NFC 2.1.5.1.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S554:2016	Norme sur les extincteurs à agent à base d'eau	CNPI 2.1.5.1. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S561-13	Standard for Installation and Services for Fire Signal Receiving Centres and Systems	NBC 3.2.4.7.(4) NBC A-3.2.4.7.(4) NFC 6.3.1.3.(1) NFC A-6.3.1.3.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S561-13	Norme sur l'installation et les services – Systèmes et centrales de réception d'alarme incendie	CNB 3.2.4.7. 4) CNB A-3.2.4.7. 4) CNPI 6.3.1.3. 1) CNPI A-6.3.1.3. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S566:2017	Standard for Halocarbon Clean Agent Fire Extinguishers	NFC 2.1.5.1.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S566:2017	Norme sur les extincteurs aux agents propres à l'halocarbure	CNPI 2.1.5.1. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S572:2017	Standard for Photoluminescent and Self-Luminous Exit Signs and Path Marking Systems	NBC 3.4.5.1.(3) NBC 3.4.5.1.(4) NBC 9.9.11.3.(3) NBC 9.9.11.3.(4) NBC A-3.4.5.1.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S572:2017	Norme sur les panneaux de signalisation d'issue et les systèmes de marquage de parcours photoluminescents et autolumineux	CNB 3.4.5.1. 3) CNB 3.4.5.1. 4) CNB 9.9.11.3. 3) CNB 9.9.11.3. 4) CNB A-3.4.5.1. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S601-14	Standard for Shop Fabricated Steel Aboveground Tanks for Flammable and Combustible Liquids	NFC 4.3.1.2.(1) NFC 4.3.3.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S601-14	Norme sur les réservoirs hors sol en acier fabriqués en usine pour liquides inflammables et combustibles	CNPI 4.3.1.2. 1) CNPI 4.3.3.2. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S602-14	Standard for Steel Aboveground Tanks for Fuel Oil and Lubricating Oil	NFC 4.3.1.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S602-14	Norme sur les réservoirs en acier non enterrés pour le mazout et l'huile lubrifiante	CNPI 4.3.1.2. 1)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S603.1-11	Standard for External Corrosion Protection Systems for Steel Underground Tanks for Flammable and Combustible Liquids	NFC 4.3.1.2.(1) NFC 4.3.10.1.(1) NFC 4.3.8.6.(1) NFC 4.5.3.1.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S603.1-11	Norme sur les systèmes de protection contre la corrosion extérieure des réservoirs enterrés en acier pour les liquides inflammables et combustibles	CNPI 4.3.1.2. 1) CNPI 4.3.10.1. 1) CNPI 4.3.8.6. 1) CNPI 4.5.3.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S603-14	Standard for Steel Underground Tanks for Flammable and Combustible Liquids	NFC 4.3.1.2.(1) NFC 4.4.3.2.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S603-14	Norme sur les réservoirs souterrains en acier pour les liquides inflammables et combustibles	CNPI 4.3.1.2. 1) CNPI 4.4.3.2. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S610:2018	Standard for Factory-Built Fireplace Systems	NBC 9.22.8.1.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S610:2018	Norme sur les systèmes foyers à feu ouvert préfabriqué	CNB 9.22.8.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S612:2016	Standard for Hose and Hose Assemblies for Flammable and Combustible Liquids	NFC 4.6.5.1.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S612:2016	Norme sur les tuyaux flexibles et tuyaux flexibles à raccords pour liquides inflammables et combustibles	CNPI 4.6.5.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S615-14	Standard for Fibre Reinforced Plastic Underground Tanks for Flammable and Combustible Liquids	NFC 4.3.1.2.(1) NFC 4.3.8.6.(2) NFC 4.4.3.2.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S615-14	Norme sur les réservoirs en plastique renforcé souterrains pour les liquides inflammables et combustibles	CNPI 4.3.1.2. 1) CNPI 4.3.8.6. 2) CNPI 4.4.3.2. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S620:2016	Standard for Hose Nozzle Valves for Flammable and Combustible Liquids	NFC 4.5.7.1.(2) NFC 4.6.5.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S620:2016	Norme sur les pistolets pour liquides inflammables et combustibles	CNPI 4.5.7.1. 2) CNPI 4.6.5.2. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S629:2016	Standard for 650°C Factory-Built Chimneys	NBC 9.33.10.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S629:2016	Norme sur les cheminées préfabriquées pour des températures n'excédant pas 650 °C	CNB 9.33.10.2. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S633:2017	Standard for Flexible Connector Piping for Fuels	NFC 4.5.6.14.(2)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S633:2017	Norme pour les tuyaux de raccordement flexibles pour carburants	CNPI 4.5.6.14. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S639-M87	Standard for Steel Liner Assemblies for Solid-Fuel Burning Masonry Fireplaces	NBC 9.22.2.3.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S639-M87	Norme relative aux chemisages en acier pour foyers à feu ouvert en maçonnerie à combustibles solides	CNB 9.22.2.3. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S642:2016	Standard for Compounds and Tapes for Threaded Pipe Joints	NFC 4.5.5.1.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S642:2016	Norme sur les composés et rubans pour joints de tuyau filetés	CNPI 4.5.5.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S644:2016	Standard for Emergency Breakaway Fittings for Flammable and Combustible Liquids	NFC 4.6.5.2.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S644:2016	Norme sur les raccords frangibles d'urgence pour liquides inflammables et combustibles	CNPI 4.6.5.2. 4)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S651:2016	Standard for Emergency Valves for Flammable and Combustible Liquids	NFC 4.5.7.1.(3) NFC 4.6.6.3.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S651:2016	Norme sur les robinets d'urgence pour liquides inflammables et combustibles	CNPI 4.5.7.1. 3) CNPI 4.6.6.3. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC- <del>S652</del> <del>652</del> :2016 <b>2024</b>	Standard for Tank Assemblies for the Collection, Storage and Removal of Used Oil	NFC 4.3.1.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC- <del>S652</del> <del>652</del> :2016 <b>2024</b>	Norme sur les ensembles réservoirs destinés à la collecte, au stockage et à l'enlèvement de l'huile usagée	CNPI 4.3.1.2. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC- <del>S653</del> <del>653</del> :2016 <b>2024</b>	Standard for Aboveground Horizontal Steel Contained Tank Assemblies for Flammable and Combustible Liquids	NFC 4.3.1.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC- <del>S653</del> <del>653</del> :2016 <b>2024</b>	Norme sur les ensembles réservoirs de confinement en acier horizontaux hors sol pour les liquides inflammables et combustibles	CNPI 4.3.1.2. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC- <del>S655</del> <del>655</del> -15	Standard for Aboveground Protected Tank Assemblies for Flammable and Combustible Liquids	NFC 4.3.1.2.(1) NFC 4.3.2.1.(7) NFC 4.3.7.4.(2) NFC 4.6.2.1.(3)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC- <del>S655</del> <del>655</del> -15	Norme sur les ensembles réservoirs protégés hors sol pour les liquides inflammables et combustibles	CNPI 4.3.1.2. 1) CNPI 4.3.2.1. 7) CNPI 4.3.7.4. 2) CNPI 4.6.2.1. 3)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S661-10	Standard for Overfill Protection Devices for Flammable and Combustible Liquid Storage Tanks	NFC 4.3.1.8.(1) NFC 4.3.1.8.(2)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S661-10	Norme sur les dispositifs de protection contre les débordements pour les réservoirs de stockage de liquides inflammables et combustibles	CNPI 4.3.1.8. 1) CNPI 4.3.1.8. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S663-11	Standard for Spill Containment Devices for Flammable and Combustible Liquid Aboveground Storage Tanks	NFC 4.3.6.4.(4)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S663-11	Norme sur les dispositifs de confinement des déversements pour les réservoirs de stockage de liquides inflammables et de liquides combustibles hors sol	CNPI 4.3.6.4. 4)
ULC (Underwriter's Laboratories of Canada)	<b>ANSI/CAN/UL/ULC-S664</b> <b>2447:20172023</b>	Standard for Containment Sumps, <b>Sump Fittings Fittings</b> , and Accessories for Flammable and Combustible Liquids	NFC 4.3.9.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	<b>ANSI/CAN/UL/ULC-S664</b> <b>2447:20172023</b>	Norme sur les puisards de <b>confinements confinement</b> , raccords de puisard et accessoires pour liquides inflammables et combustibles	CNPI 4.3.9.2. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S668-12	Standard for Liners Used for Secondary Containment of Aboveground Flammable and Combustible Liquid Tanks	NFC 4.3.7.2.(2)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S668-12	Norme sur les membranes de confinement secondaire pour les réservoirs de stockage de liquides inflammables et de liquides combustibles hors sol	CNPI 4.3.7.2. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S669-14	Standard for Internal Retrofit Systems for Underground Tanks for Flammable and Combustible Liquids	NFC 4.3.1.10.(3) NFC A-4.3.1.10.(3)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S669-14	Norme sur les systèmes de rénovation internes des réservoirs souterrains pour liquides inflammables et combustibles	CNPI 4.3.1.10. 3) CNPI A-4.3.1.10. 3)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S675.1-14	Standard for Volumetric Leak Detection Devices for Underground and Aboveground Storage Tanks for Flammable and Combustible Liquids	NFC A-4.4.2.1.(10)(a) NFC A-4.4.2.1.(5) NFC A-4.4.2.1.(7)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S675.1-14	Norme sur les dispositifs de détection volumétriques de fuite des réservoirs enterrés et non enterrés pour les liquides inflammables et les liquides combustibles	CNPI A-4.4.2.1. 10)a) CNPI A-4.4.2.1. 5) CNPI A-4.4.2.1. 7)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S675.2-14	Standard for Nonvolumetric Precision Leak Detection Devices for Underground and Aboveground Storage Tanks and Piping for Flammable and Combustible Liquids	NFC A-4.4.2.1.(10)(a) NFC A-4.4.2.1.(7)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S675.2-14	Norme sur les dispositifs de détection des fuites de précision non volumétriques pour les réservoirs de stockage et les tuyauteries, souterrains et hors sol, de liquides inflammables et combustibles	CNPI A-4.4.2.1. 10)a CNPI A-4.4.2.1. 7)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S676-15:2020	Standard for Refurbishing of Storage Tanks for Flammable and Combustible Liquids	NFC 4.3.1.10.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S676-15:2020	Norme sur la remise à neuf des réservoirs <del>de stockage</del> pour les liquides inflammables et combustibles	CNPI 4.3.1.10. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S677 677-14	Standard for Fire Tested Aboveground Tank Assemblies for Flammable and Combustible Liquids	NFC 4.3.1.2.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S677 677-14	Norme sur les ensembles réservoirs hors sol résistant au feu pour les liquides inflammables et combustibles	CNPI 4.3.1.2. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S679:2017	Standard for Metallic and Nonmetallic Underground Piping for Flammable and Combustible Liquids	NFC 4.5.2.1.(3) NFC 4.5.6.14.(2)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S679:2017	Norme sur les canalisations souterraines métalliques et non métalliques pour liquides inflammables et combustibles	CNPI 4.5.2.1. 3) CNPI 4.5.6.14. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S701.1:2017	Standard for Thermal Insulation, Polystyrene Boards	NBC 9.25.2.2.(1) NBC Table 5.9.1.1. NBC Table 9.23.17.2.A NBC Table A-9.36.2.4.(1)D
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S701.1:2017	Norme sur l'isolant thermique en polystyrène	CNB 9.25.2.2. 1) CNB Tableau 5.9.1.1. CNB Tableau 9.23.17.2.A CNB Tableau A-9.36.2.4. 1)D

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S702.1-14	Standard for Mineral Fibre Thermal Insulation for Buildings, Part 1: Material Specification	NBC 3.1.6.3.(4) NBC 9.10.9.8.(3) NBC 9.25.2.2.(1) NBC A-5.9.1.1.(1) NBC D-2.3.4. NBC D-2.3.5. NBC D-2.6.1. NBC D-6.1.1. NBC D-7.4. NBC Table 5.9.1.1. NBC Table 9.23.17.2.A NBC Table A-9.36.2.4.(1)D
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S702.1-14	Norme sur l'isolant thermique de fibres minérales pour bâtiments, partie 1 : Spécifications relatives aux matériaux	CNB 3.1.6.3. 4) CNB 9.10.9.8. 3) CNB 9.25.2.2. 1) CNB A-5.9.1.1. 1) CNB D-2.3.4. CNB D-2.3.5. CNB D-2.6.1. CNB D-6.1.1. CNB D-7.4. CNB Tableau 5.9.1.1. CNB Tableau 9.23.17.2.A CNB Tableau A-9.36.2.4. 1)D
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S703-09	Standard for Cellulose Fibre Insulation (CFI) for Buildings	NBC 9.25.2.2.(1) NBC D-2.3.4. NBC Table 5.9.1.1. NBC Table A-9.36.2.4.(1)D
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S703-09	Norme sur l'isolant en fibre cellulosique (IFC) pour les bâtiments	CNB 9.25.2.2. 1) CNB D-2.3.4. CNB Tableau 5.9.1.1. CNB Tableau A-9.36.2.4. 1)D
ULC (Underwriter's Laboratories of Canada)	CAN/ULC- <del>S704704</del> .1:20172023	Standard for Thermal Insulation, Polyurethane and Polyisocyanurate, Boards, Faced	NBC 9.25.2.2.(1) NBC Table 5.9.1.1. NBC Table 9.23.17.2.A NBC Table A-9.36.2.4.(1)D
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC- <del>S704704</del> .1:20172023	Norme sur l'isolant thermique en polyuréthane et en polyisocyanurate - i panneaux revêtus	CNB 9.25.2.2. 1) CNB Tableau 5.9.1.1. CNB Tableau 9.23.17.2.A CNB Tableau A-9.36.2.4. 1)D
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S705.1-18	Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Material Specification	NBC 9.25.2.2.(1) NBC Table 5.9.1.1. NBC Table A-9.36.2.4.(1)D

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S705.1-18	Norme sur l'isolant thermique en mousse de polyuréthane rigide pulvérisée, de densité moyenne - spécifications relatives aux matériaux	CNB 9.25.2.2. 1) CNB Tableau 5.9.1.1. CNB Tableau A-9.36.2.4. 1)D
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S705.2-05:2022	Standard for Thermal Insulation - Spray Applied Rigid Polyurethane Foam, Medium Density - Application	NBC 9.25.2.5.(1) NBC Table 5.9.1.1.
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S705.2-05:2022	Norme sur l'isolant thermique en mousse de polyuréthane rigide pulvérisée, de densité moyenne - Application	CNB 9.25.2.5. 1) CNB Tableau 5.9.1.1.
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S706.1:2016	Standard for Wood Fibre Insulating Boards for Buildings	NBC 9.23.16.7.(3) NBC 9.25.2.2.(1) NBC 9.29.8.1.(1) NBC D-3.1.1. NBC Table 5.9.1.1. NBC Table 9.23.17.2.A
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S706.1:2016	Norme sur les panneaux isolants en fibre de bois pour bâtiments	CNB 9.23.16.7. 3) CNB 9.25.2.2. 1) CNB 9.29.8.1. 1) CNB D-3.1.1. CNB Tableau 5.9.1.1. CNB Tableau 9.23.17.2.A
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S710.1:2019	Standard for Bead-Applied One Component Polyurethane Air Sealant Foam, Part 1: Material Specification	NBC 9.36.2.10.(6) NBC Table 5.9.1.1.
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S710.1:2019	Norme sur la mousse d'étanchéité à l'air de polyuréthane monocomposant appliquée en cordon, partie 1 : spécifications relatives au matériau	CNB 9.36.2.10. 6) CNB Tableau 5.9.1.1.
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S711.1:2019	Standard for Bead-Applied Two Component Polyurethane Air Sealant Foam, Part 1: Material Specification	NBC 9.36.2.10.(6) NBC Table 5.9.1.1.
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S711.1:2019	Norme sur la mousse d'étanchéité à l'air de polyuréthane bicomposant appliquée en cordon, partie 1 : spécifications relatives au matériau	CNB 9.36.2.10. 6) CNB Tableau 5.9.1.1.
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S712 712.1:20172024	Standard for Thermal Insulation - Light Density, Open Cell Spray Applied Semi-Rigid Polyurethane Foam - Material Specification	NBC Table A-9.36.2.4.(1)D
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S712 712.1:20172024	Norme sur l'isolant thermique en mousse de polyuréthane semi-rigide pulvérisée, de faible densité et à alvéoles ouverts - spécifications relatives au matériau	CNB Tableau A-9.36.2.4. 1)D

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S716.1-12	Standard for Exterior Insulation and Finish Systems (EIFS) - Materials and Systems	NBC 5.9.4.1.(1) NBC 9.27.14.1.(1) NBC 9.27.14.2.(1) NBC A-5.9.4.1.(1) NBC A-9.27.14.2.(2)(a)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S716.1-12	Norme pour les systèmes d'isolation et de finition extérieurs (Systèmes SIFE) – Matériaux et systèmes	CNB 5.9.4.1. 1) CNB 9.27.14.1. 1) CNB 9.27.14.2. 1) CNB A-5.9.4.1. 1) CNB A-9.27.14.2. 2)a)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S716.2-12	Standard for Exterior Insulation and Finish Systems (EIFS) - Installation of EIFS Components and Water Resistive Barrier	NBC 9.27.14.3.(1) NBC A-5.9.4.1.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S716.2-12	Norme pour les systèmes d'isolation et de finition extérieurs (SIFE) – Installation des composants des systèmes SIFE et de la barrière résistant à l'eau	CNB 9.27.14.3. 1) CNB A-5.9.4.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S716.3-12	Standard for Exterior Insulation and Finish System (EIFS) - Design Application	NBC 9.27.14.3.(1) NBC A-5.9.4.1.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S716.3-12	Norme pour les systèmes d'isolation et de finition extérieurs (Systèmes SIFE) – Application de la conception	CNB 9.27.14.3. 1) CNB A-5.9.4.1. 1)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S717.1: <b>20172022</b>	Standard for Flat Wall Insulating Concrete Form (ICF) Units – Material Properties	NBC 9.15.4.1.(1) NBC Table 5.9.1.1.
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S717.1: <b>20172022</b>	Norme sur les unités de coffrage à bétons isolants pour murs plats – <b>propriétés Propriétés</b> des matériaux	CNB 9.15.4.1. 1) CNB Tableau 5.9.1.1.
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S741-08	Standard for Air Barrier Materials – Specification	NBC 5.4.1.2.(2) NBC 9.36.2.10.(1) NECB 3.2.4.3.(2)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S741-08	Norme sur les matériaux d'étanchéité à l'air – Spécification	CNB 5.4.1.2. 2) CNB 9.36.2.10. 1) CNÉB 3.2.4.3. 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S742-11	Standard for Air Barrier Assemblies – Specification	NBC 5.4.1.2.(1) NBC 5.4.1.2.(2) NBC 9.36.2.9.(1) NBC A-5.4.1.1.(3) NBC A-5.4.1.2.(1) NBC A-5.4.1.2.(2) NBC A-5.4.1.2.(4) NBC A-9.36.2.10.(5)(b) NBC A-9.36.2.9.(1) NECB 3.2.4.3.(2) NECB A-3.2.4.3.(1) and (2)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S742-11	Norme sur les ensembles d'étanchéité à l'air - Spécification	CNB 5.4.1.2. 1) CNB 5.4.1.2. 2) CNB 9.36.2.9. 1) CNB A-5.4.1.1. 3) CNB A-5.4.1.2. 2) CNB A-5.4.1.2. 4) CNB A-5.4.1.2. 1) CNB A-9.36.2.10. 5)b) CNB A-9.36.2.9. 1) CNÉB 3.2.4.3. 2) CNÉB A-3.2.4.3. 1) et 2)
ULC (Underwriter's Laboratories of Canada)	CAN/ULC-S770-15	Standard Test Method for Determination of Long-Term Thermal Resistance of Closed-Cell Thermal Insulating Foams	NBC Table A-9.36.2.4.(1)D
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	CAN/ULC-S770-15	Méthode d'essai normalisée pour la détermination de la résistance thermique à long terme des mousses isolantes thermiques à alvéoles fermés	CNB Tableau A-9.36.2.4. 1)D
ULC (Underwriter's Laboratories of Canada)	ULC/ORD-C107.12-92	Line Leak Detection Devices for Flammable Liquid Piping	NFC 4.4.2.1.(11) NFC 4.4.3.4.(2) NFC 4.4.4.2.(1) CNPI 4.4.2.1. 11) CNPI 4.4.3.4. 2) CNPI 4.4.4.2. 1)
ULC (Underwriter's Laboratories of Canada)	ULC/ORD-C107.21-92	Under-Dispenser Sumps	NFC 4.6.3.2.(1) CNPI 4.6.3.2. 1)
ULC (Underwriter's Laboratories of Canada)	<b>ANSI/CAN/UL/ULC/ORD-C1254.6-95_300:2022</b>	<b>Standard for Fire Testing of Restaurant-Cooking-Area-Fire Extinguishing System Systems Units for Protection of Commercial Cooking Equipment</b>	NBC 6.9.1.3.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	<b>ANSI/CAN/UL/ULC/ORD-C1254.6-95_300:2022</b>	<b>Fire Norme Testingsur of la Restaurantmise Cookingà Area l'essai Firede Extinguishing systèmes System d'extinction Units d'incendie conçus pour la protection d'équipement de cuisson commercial</b>	CNB 6.9.1.3. 1)
ULC (Underwriter's Laboratories of Canada)	<b>ANSI/CAN/UL/ULC/ORD-C1275-84_1275:2021</b>	<b>Guide for the Investigation of Storage Cabinets Standard for Flammable Liquid Containers Storage Cabinets</b>	NFC 4.2.10.5.(1)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	<b>ANSI/CAN/UL/ULC/ORD-C1275-84_1275:2021</b>	<b>Guide Armoires for de the stockage Investigation de of liquides Storage Cabinets for Flammable-Liquid Containers inflammables</b>	CNPI 4.2.10.5. 1)
ULC (Underwriter's Laboratories of Canada)	ULC/ORD-C199P-02	Combustible Piping for Sprinkler Systems	NBC 3.2.5.13.(2) NBC 3.2.5.13.(5) CNB 3.2.5.13. 2) CNB 3.2.5.13. 5)

Issuing Agency	Document Number	Title of Document	Code Reference
ULC (Underwriter's Laboratories of Canada)	<b>ANSI/CAN/UL/ULC/ORD-C30-95 30:2022</b>	<b>Standard for Metallic and Nonmetallic Safety Containers for Flammable and Combustible Liquids</b>	NFC 4.1.5.8.(2) NFC 4.2.3.1.(1) NFC 4.2.6.4.(1) NFC 5.5.5.2.(2)
ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)	<b>ANSI/CAN/UL/ULC/ORD-C30-95 30:2022</b>	<b>Safety Les Containers bidons de sécurité métalliques et non métalliques pour liquids inflammables et combustibles</b>	CNPI 4.1.5.8. 2) CNPI 4.2.3.1. 1) CNPI 4.2.6.4. 1) CNPI 5.5.5.2. 2)
ULC (Underwriter's Laboratories of Canada)	ULC/ORD-C410A-94	Absorbents for Flammable and Combustible Liquids	NFC A-4.1.6.3.(3)(b) CNPI A-4.1.6.3. 3)b)
ULC (Underwriter's Laboratories of Canada)	ULC/ORD-C536-98	Flexible Metallic Hose	NFC 4.5.6.14.(2) CNPI 4.5.6.14. 2)
ULC (Underwriter's Laboratories of Canada)	ULC/ORD-C558-75	Guide for the Investigation of Internal Combustion Engine-Powered Industrial Trucks	NFC 3.1.3.1.(2) CNPI 3.1.3.1. 2)
<b>ULC (Underwriter's Laboratories of Canada)UL (Underwriters Laboratories Inc.)</b>	<b>ULCANSI/ORD-C583-74CAN/UL 583:2022</b>	<b>GuideStandard for the Investigation of Electric-Battery Powered Industrial Trucks</b>	NFC 3.1.3.1.(3)
<b>ULC (Laboratoires des assureurs du Canada/Underwriter's Laboratories of Canada)UL (Underwriters Laboratories Inc.)</b>	<b>ULCANSI/ORD-C583-74CAN/UL 583:2022</b>	<b>GuideCamions for industriels the électrique Investigation à Electric-Battery Powered Industrial Trucks batterie</b>	CNPI 3.1.3.1. 3)
ULC (Underwriter's Laboratories of Canada)	ULC/ORD-C842-84	Guide for the Investigation of Valves for Flammable and Combustible Liquids	NFC 4.5.7.1.(1) CNPI 4.5.7.1. 1)
ULC (Underwriter's Laboratories of Canada)	ULC-S135- <b>04</b> 2022	Standard Test Method for the Determination of Combustibility Parameters of Building Materials Using an Oxygen Consumption Calorimeter (Cone Calorimeter)	NBC 3.1.5.1.(2) CNB 3.1.5.1. 2)
ULC (Underwriter's Laboratories of Canada)	ULC-S332-93	Standard for Burglary Resisting Glazing Material	NBC A-9.7.5.2.(1) CNB A-9.7.5.2. 1)
ULC (Underwriter's Laboratories of Canada)	ULC-S505-74	Standard for Fusible Links for Fire Protection Services	NBC 3.1.8.10.(2) CNB 3.1.8.10. 2)
ULC (Underwriter's Laboratories of Canada)	ULC-S628-93	Standard for Fireplace Inserts	NBC 9.22.10.1.(1)

Issuing Agency	Document Number	Title of Document	Code Reference
U.S. Congress (U.S. Congress)	-	National Appliance Energy Conservation Act of 1987	NBC Table 9.36.4.2. NBC Table 9.36.5.16. CNB Tableau 9.36.4.2. CNB Tableau 9.36.5.16.
WCLIB (West Coast Lumber Inspection Bureau)	No. 17 (2004)	Grading Rules for West Coast Lumber	NBC A-Table 9.3.2.1. CNB A-Tableau 9.3.2.1.
WWPA (Western Wood Products Association)	2017	Western Lumber Grading Rules 2017	NBC A-Table 9.3.2.1. CNB A-Tableau 9.3.2.1.

---

## PROCESS

---

### HVAC and Plumbing — Review (2024-06-19)

The SC-HP reviewed the updates to referenced documents included in PCF 2096 within its responsibility and is recommending to the SC Div. A/C that the updates be sent to public review.

### Environmental Separation — Review (2024-07-15)

The SC-ES reviewed the updates to referenced documents included in PCF 2096 within its responsibility and is recommending to the SC Div. A/C that the updates be sent to public review.

### Earthquake Design — Review (2024-08-12)

The SC-ED reviewed the updates to referenced documents included in PCF 2096 within its responsibility and is recommending to the SC Div. A/C that the updates be sent to public review.

### Fire Protection — Review (2024-08-15)

The SC-FP reviewed the updates to referenced documents included in PCF 2096 within its responsibility and is recommending to the SC Div. A/C that the updates be sent to public review.

### Energy Efficiency — Review (2024-08-21)

The SC-EE reviewed the updates to referenced documents included in PCF 2096 within its responsibility and is recommending to the SC Div. A/C that the updates be sent to public review.

### Use and Egress — Review (2024-08-21)

The SC-UE reviewed the updates to referenced documents included in PCF 2096 within its responsibility and is recommending to the SC Div. A/C that the updates be sent to public review.

**Hazardous Materials and Activities — Review (2024-08-21)**

The SC-HMA reviewed the updates to referenced documents included in PCF 2096 within its responsibility and is recommending to the SC Div. A/C that the updates be sent to public review.

**Housing and Small Buildings — Review (2024-09-11)**

The SC-HSB reviewed the updates to referenced documents included in PCF 2096 within its responsibility and is recommending to the SC Div. A/C that the updates be sent to public review.

**Structural Design — Review (2024-09-17)**

The SC-SD reviewed the updates to referenced documents included in PCF 2096 within its responsibility and is recommending to the SC Div. A/C that the updates be sent to public review.

**SC Div AC — Review (2024-09-24)**

DRAFT MINUTES:

Moved by R. Richard, seconded by T. Cochren that the following PCF(s)

PCF 2096- Updates to Referenced Documents

as presented at the 2020- K meeting of the Standing Committee Divisions A and C be recommended to the Canadian Board on Harmonized Construction Codes for consideration for public review.

## Possible Committee Action

### PCF 2096 – nbc20\_divb\_01.03.01.02.

---

<b>Commenter:</b>	Pierre Berger Alliance québécoise des regroupements régionaux pour l'intégration des personnes handicapées		
<b>Comment:</b>	Do not support	69899	No Supporting Document

It would have been preferable for a reference to the 2023 edition appear as an alternative solution in Subsection 3.8.3. of Division B of the NBC. [Translator's note: the standard to which the commenter is referring is unclear.]

#### Possible Committee Action:

In reviewing this comment, the Committee should note that

- the issue raised by the commenter about the 2023 edition of the CSA-B651, "Accessible design for the built environment" standard was given due consideration by the Committee in developing the proposed requirement
- the SC-UE agreed to delay decision to adopt the 2023 edition so that a detailed technical review of the impacts of changes can be performed.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Paul Lupien Confédération des organismes de personnes handicapées du Québec (COPHAN)		
<b>Comment:</b>	Do not support	69900	No Supporting Document

We would sooner suggest the 2023 edition of CSA/ASC B651, "Accessible design for the built environment" since it is more functional and comprehensive than the 2018 edition.

#### Possible Committee Action:

In reviewing this comment, the Committee should note that

- the issue raised by the commenter about the 2023 edition of the CSA-B651, "Accessible design for the built environment" standard was given due consideration by the Committee in developing the proposed requirement
- the SC-UE agreed to delay decision to adopt the 2023 edition so that a detailed technical review of the impacts of changes can be performed.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Maude Loubier Office des personnes handicapées du Québec		
<b>Comment:</b>	Do not support	69907	No Supporting Document

In Québec, the government's "À part entière" policy makes the creation of accessible environments one of its priorities. Despite this, persons with disabilities continue to face significant obstacles to equal access to certain buildings. For this reason, the Office des personnes handicapées du Québec is proposing that the 2023 edition of CSA/ASC B651, "Accessible design for the built environment," be referenced [in the NBC 2025], as this edition is more effective and complete than the 2018 edition. In fact, the 2023 edition is more advanced in terms of sensory disabilities and [requires] dimensions that are more functional for persons using motorized mobility aids, etc. Ultimately, if the 2023 edition of the standard is not referenced in the NBC 2025, we will find ourselves in 2027 referring to a standard that is almost 10 years old, since the provinces and territories have 18 months to implement the 2025 edition of the NBC as soon as it comes into force.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- the issue raised by the commenter about the 2023 edition of the CSA-B651, "Accessible design for the built environment" standard was given due consideration by the Committee in developing the proposed requirement
- the SC-UE agreed to delay decision to adopt the 2023 edition so that a detailed technical review of the impacts of changes can be performed.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Frank Lohmann CHBA	
<b>Comment:</b>	Do not support	69982 No Supporting Document

The following is a result of consultations with CHBA members across the country:

We do not support this proposed change in its entirety:

- CHBA notes that no impact analysis is provided for any of the referenced document updates. This may be a contravention of the Policies and Procedures under which the national codes are developed. As the Standard Development Organizations are also not required to assess that the benefits of their revisions exceed the incremental costs, this proposed change contains potentially 186 cost-increasing measures that will not be accounted for.
- Furthermore, a proper review by general code users would be very costly as many of the new editions of referenced documents are still not available free of charge. We recognize that some standard developing organizations are at the forefront of providing no-fee access but that others offer difficult to navigate view-only features.

We cannot support an unqualified reference of a non-consensus based, good practice guideline in Division B and offer the following modifications on this specific update:

- Truss Plate Institute of Canada (TPIC) Guideline: CHBA does not support the updated version of the TPIC Guideline, which is a non-consensus-based, best-practice guideline referenced as "such as" in Part 9 because it unfairly penalizes factory builders who fabricate their own trusses and already operate under a quality system/certification scheme. Those factory builders would have to implement another, secondary quality, and certification system for truss fabrication (in addition to CSA A277 quality and certification system for the entire building). CHBA has asked at every level of the committee deliberations for evidence of failures and has not received any responses other than "anecdotal evidence from the 90s in the US". CHBA strongly recommends that this guideline not be updated to its newest edition or that the TPIC guideline is removed as

a “such as” reference of best practice from the code.

**Possible Committee Action:**

In reviewing the first comment on impact analysis, the Committee should note that

- as per the CBHCC memo,
  - the National Model Codes Development System relies on information submitted by standard development organizations for updates to individual documents referenced in the National Model Codes, including the impact of the specific update. During the development of PCF 2096, the (former) standing committees (SC) reviewed this information and recommended which referenced document updates should be sent for public review.
  - When reviewing public comments, the National Model Codes Committee on Reference Documents should consider any specific concerns about the impact of any individual proposed update to a referenced document on a case-by-case basis. Any new information about the impact of any specific updated reference document, that was not previously considered by the SCs when the PCF was developed, should be taken into consideration when making a recommendation for publication.
- the first comment did not provide specific concerns about the impact of any individual proposed update to be considered by the NMCC-RefDocs.

If the Committee agrees, no action need be taken on the first comment.

In reviewing the second comment on accessibility to documents, the Committee should note that accessibility to documents is not the purview of the NMCC-RefDocs. If the committee agrees, no action need to be taken on the second comment.

In reviewing the third comment on the update to the TPIC guideline, the Committee should note that

- the issue raised by the commenter was given due consideration by the Committee in developing the proposed requirement
- the issue was discussed by the Working Group on Truss Plate Institute of Canada (TPIC) struck by the SC-HSB
- the issue was also discussed by the SC-HSB at its 2020-62 meeting. Here are the excerpts from the meeting minutes:

[There was consensus to recommend to the CBHCC that TPIC 2024, “Truss Design Procedures and Specifications for Light Metal Plate Connected Wood Trusses”, be published in the next edition of the National Building Code pending public review.]

- removing the TPIC guideline from the code as recommended by the commenter requires submitting a Code Change Request for consideration by the CBHCC.

If the Committee agrees, no action need be taken on the third comment.

---

**Commenter:** Greg Stanley  
BILD Alberta

**Comment:** Do not support

69989

No Supporting Document

The inability to access reference documents without purchase makes it challenging to assess the benefits or unintended consequences of updates during a public review. Without visibility into the changes, we cannot evaluate the potential costs. Furthermore, the short review timeline makes it unfeasible to source and analyze 186 documents independently. Can information be provided to clarify the impacts and costs

of the updated reference documents?

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- parts of the comment are on accessibility to documents and public review timeline which are not the purview of the NMCC-RefDocs
- as per the CBHCC memo,
  - the National Model Codes Development System relies on information submitted by standard development organizations for updates to individual documents referenced in the National Model Codes, including the impact of the specific update. During the development of PCF 2096, the (former) standing committees (SC) reviewed this information and recommended which referenced document updates should be sent for public review.
  - When reviewing public comments, the National Model Codes Committee on Reference Documents should consider any specific concerns about the impact of any individual proposed update to a referenced document on a case-by-case basis. Any new information about the impact of any specific updated reference document, that was not previously considered by the SCs when the PCF was developed, should be taken into consideration when making a recommendation for publication.
- the comment did not provide specific concerns about the impact of any individual proposed update to be considered by the NMCC-RefDocs.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Larry GILL IPEX USA LLC	
<b>Comment:</b>	Support with modifications	69896 See supporting document

Here are the most recent editions of several reference standards

- ASTM F3128 - 23
- ASTM F628-22
- CSA B602-20
- CSA C22.2 No. 211.0-03 (R2022)
- ULC S102 – 2019(R2024)
- ULC S102.2 – 2018 (R2024)

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- ASTM F3128. Codes Canada did not receive a request to update to the 2023 edition
- ASTM F628. The update to the 2022 edition has been approved for publication in the second printing of the 2020 Codes
- CSA B602. The update to the 2020 edition has been approved for publication in the second printing of the 2020 Codes
- CSA C22.2 No 211.03. The Codes do not include the reaffirmation year
- CAN/ULC-S102. The update to the 2018 edition has been approved for publication in the second printing of the 2020 Codes. However, the Codes do not include the reaffirmation year
- CAN/ULC S102.2. The 2018 edition is already referenced in the 2020 Codes. However, the Codes do not include the reaffirmation year.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	James Klassen Roofing Contractors Association of British Columbia	
<b>Comment:</b>	Support with modifications	69906 No Supporting Document

All the references to CSA (Canadian Standards Association) as the issuing body of standards should be changed to reflect the current organization's name, "CSA Group". Therefore, I recommend that all entries currently listed as "CSA (Canadian Standards Association)" be amended to read "CSA Group (formerly Canadian Standards Association)".

I offer a similar recommendation for references that read "ASTM (American Society for Testing and Materials International)". "ASTM International" is the current society name, formerly "American Society for Testing and Materials". All entries in the table of proposed change 2096 should be updated to reflect the name change. Like my proposal for CSA Group, I recommend that ASTM references be changed to "ASTM International (formerly American Society for Testing and Materials)".

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- the Division B Article 1.3.2.1. "Abbreviations and Proper Names" includes the abbreviations and the full names as suggested by the commenter

CSA .....CSA Group (www.csagroup.org)

ASTM ..... ASTM International (www.astm.org)

- the shortened name used in the PCF will not be shown under "Issuing Agency" and only the abbreviation will be used in the published codes.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Mark Kohli	
<b>Comment:</b>	Support with modifications	69908 No Supporting Document

Recommend that the reference to CSA B72 Installation Code for Lightning Protection Systems be updated to the 2020 edition.

According to the CSA B72 Committee Chair Simon Larter:

"After a long development process, the 2020 edition of CSA's Installation code for lightning protection systems is now available for purchase on the [CSA website](#). This is the first revision to the document in over 30 years and marks a major step forward for the Canadian lightning protection industry..

A quick look at the product page will show a vastly changed code, boasting much greater applicability and clarity. The confusing and conflicting requirements and the regulatory loopholes are gone. In their place is a fully-updated standard complying with CSA's latest style manual, and streamlined for ease of use and installability.

Major changes include harmonization of the requirements with those of the U.S. lightning protection

standard (NFPA 780), an added chapter on protection for solar arrays, and a new lightning risk evaluation method. Guidance is also provided for several new specialized structure types, including structural steel buildings, telecommunications equipment, rooftop helipads, and fabric structures. The document now gives AHJ's and design professionals all the information they need to make educated decisions regarding lightning protection.

From the National Building Code (clause 3.6.1.3), to nuclear substance facility fire protection (CSA N393), to Department of National Defence requirements, wherever B72 is referenced, all new design and construction projects with lightning protection must now comply with the updated standard. This will dramatically increase the quality and safety of lightning protection systems country-wide."

**Possible Committee Action:**

In reviewing this comment, the Committee should note that the update to the 2020 edition of CAN/CSA-B72 has been approved for publication in the second printing of the 2020 Codes.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Matt Zabloski City of Calgary	
<b>Comment:</b>	Support with modifications	69910 No Supporting Document

There is a newer version of the CSA B651 standard, CSA B651:23. Recommend the proposed change be updated to reflect this standard as well.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- the issue raised by the commenter about the 2023 edition of the CSA-B651, "Accessible design for the built environment" standard was given due consideration by the Committee in developing the proposed requirement
- the SC-UE agreed to delay decision to adopt the 2023 edition so that a detailed technical review of the impacts of changes can be performed.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Joe Rogers Department of Public Works	
<b>Comment:</b>	Support with modifications	69926 No Supporting Document

More needs to be done to keep standards current. Standards will be an edition or maybe 2 behind when the Code is released.

Examples CSA B805-18/icc b805-2018 is outdated. Revised in 2022

NFPA 13 2019 edition, there is a 2022 and a 2025 edition. I realize the 2025 probably couldn't be reviewed but the 2022 should have been

NFPA 14 2013 edition, again 2 editions outdated, why is the 2019 edition not referenced?

Editions should be updated way quicker than what is currently happening.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- Codes Canada did not receive a request to update NFPA 13 to the 2022 or 2025 editions
- Codes Canada received a request to update NFPA 14 to the 2019 edition. However, the SC-FP agreed that a detailed review is required.

If the Committee agrees, no action need be taken on this comment.

---

**Commenter:** Andre La Vigne  
**Comment:** Support with modifications 69927  
No Supporting Document

API (American Petroleum Institute) STD 2000 Current Edition is Seven Edition, October 2014

**Possible Committee Action:**

In reviewing this comment, the Committee should note that Codes Canada did not receive a request to update API STD 2000 to the 2014 edition.

If the Committee agrees, no action need be taken on this comment.

---

**Commenter:** France Lemieux  
Health Canada  
**Comment:** Support with modifications 69928  
No Supporting Document

Page 102/124: NSF (**National Sanitation Foundation International**) under **Issuing Agency** ([2024\\_3-proposed-changes-to-nbc-necb-nfc-npc-combined-file-2024-10-16.pdf](#)) This incorrectly has NSF listed as National Sanitation Foundation. This is not their legal name (changed at least 20+ yrs ago. Please correct to NSF International

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- the Division B Article 1.3.2.1. "Abbreviations and Proper Names" includes the abbreviations and the full names as suggested by the commenter

NSF ..... National Sanitation Foundation International ([www.nsf.org](http://www.nsf.org))

- the shortened name used in the PCF will not be shown under "Issuing Agency" and only the abbreviation will be used in the published codes.

If the Committee agrees, no action need be taken on this comment.

---

**Commenter:** Andrew Crees  
CSA Group  
**Comment:** Support with modifications 69931

The reference to CSA O141 should be updated to the 2023 edition, in English and French, so to CSA "O141:23".

The reference to CSA O177 should be updated to the 2023 edition, in English and French, so to CSA "O177:23".

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- the requests to update CAN/CSA-O141 and CAN/CSA-O177 to the 2023 editions were received on December 10, 2024, after the deadline for the 2025 Codes
- pending direction from the CBHCC, these updates will be considered for the 2025-2030 Code Cycle.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Diego Flores Canadian Wood Council	
<b>Comment:</b>	Support with modifications	69932 No Supporting Document

- The reference for CSA O141:05 is outdated - it should rather refer to the latest edition "**CSA O141:23**".

This latest 2023 edition of CSA O141 contains a major change where it no longer applies to only Canadian-manufactured lumber, it now also applies to all manufactured lumber imported into and exported out of Canada.

- The reference to CSA O177:06 is outdated - it should rather refer to the latest edition "**CSA O177:23**".

This latest 2023 edition on *Qualification code for manufacturers of structural glued-laminated timber* contains the following important major changes: 1) Addition of qualification procedures for blocked-glued and re-glued Glulam to allow for larger glulam sizes, 2) revision of process and requirements for qualifying adhesives to be used for the manufacture of glulam in accordance with CSA O122, 3) requirements for qualifying adhesives that meet the requirements of CSA O112.9 have been revised, 4) Modifications to full-scale fire test of bond line performance, with the requirement of a full-scale column test eliminated and the test protocols modified to harmonize more closely with U.S. requirements.

For the reasons mentioned above, both references to CSA O141 and CSA O177 should be updated to the 2023 editions, as they contain important major changes relevant to the wood industry.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- the requests to update CAN/CSA-O141 and CAN/CSA-O177 to the 2023 editions were received on December 10, 2024, after the deadline for the 2025 Codes
- pending direction from the CBHCC, these updates will be considered for the 2025-2030 Code Cycle.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Marc Hubert Smith + Andersen	
<b>Comment:</b>	Support with modifications	69933 No Supporting Document

The Referenced Documents Tables in the model codes continue to lag behind the latest editions of standards that have been published by the respective Issuing Agencies. It is unclear if this is intentional. Given that the 2025 Model Codes will form the starting point for various Provincial Codes, which will themselves have a lag, it would be ideal for the Referenced Documents Tables in the 2025 Model Codes to be as current as possible. Some examples of where the tables don't seem to be keeping up are as follows: [ASHRAE 55 - the 2013 edition is 3 editions old; a 2023 edition is available], [ASHRAE 62.1 - the 2016 edition is 2 editions old; a 2022 edition is available], [ASHRAE Handbooks; newer editions exist for all], [ASME B31.9-2017; a 2020 edition is available], [CSA B149.1-15; a 2020 edition is available], [CSA B72-M87; a 2020 edition is available], [CAN/CSA-Z317.2-15; a 2024 edition is available], [CSA C22.2 No. 141:15; a 2024 edition is available], [CSA Z32-15; a 2021 edition is available], [NFPA 13-2019; 2022 and 2025 editions are available], [NFPA 14-2013; 2016, 2019, and 2024 editions are available], [NFPA 20-2019; 2022 and 2025 editions are available], [ANSI/SMACNA 006-2006; a 2020 edition is available], [SMACNA 2006 HVAC Systems Duct Design; a 5th edition published in 2023 is available], etc. Please consider more maintenance for the Referenced Documents Tables.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- ASHRAE 55. Codes Canada did not receive a request to update to the 2023 edition
- ASHRAE 62.1. Codes Canada did not receive a request to update to the 2016 edition
- ASHRAE Handbooks. Codes Canada did not receive requests to update to newer editions
- ASME B31.9. The update to the 2020 edition has been approved for publication in the second printing of the 2020 Codes
- CSA B149.1. The update to the 2020 edition has been approved for publication in the second printing of the 2020 Codes
- CSA B72-M. The update to the 2020 edition has been approved for publication in the second printing of the 2020 Codes
- CAN/CSA-Z317.2. Codes Canada did not receive a request to update to the 2023 edition
- CSA C22.2 No. 141:15. Codes Canada did not receive a request to update to the 2024 edition
- CSA Z32. Codes Canada did not receive a request to update to the 2024 edition
- NFPA 13. Codes Canada did not receive a request to update NFPA 13 to the 2022 or 2025 editions
- NFPA 14. Codes Canada received a request to update NFPA 14 to the 2019 edition. However, the SC-FP agreed that a detailed review is required
- NFPA 20. The update to the 2019 edition is included in the PCF 2096. However, Codes Canada did not receive a request to update NFPA 20 to the 2022 or 2025 editions
- ANSI/SMACNA 006. Codes Canada did not receive a request to update to the 2020 edition
- SMACNA 2006. Codes Canada did not receive a request to update to the 2023 edition

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Hélène Dutrisac Department of National Defence	
<b>Comment:</b>	Support with modifications	69943 See supporting document

As part of this PCF, it is proposed to refer to the 2024 edition of the CSA S16 Steel Design Standard.

The 2024 edition of the CSA S16 standard contains a new Annex N which includes provisions on two new seismic force resisting systems (SFRSs): Type D (ductile) concrete-filled composite plate walls and Type D (ductile) coupled concrete-filled plate walls. These two systems are not explicitly identified in Table 4.1.8.9 of Division B of the NBC. As such, they are not considered to be “acceptable solutions” under Division B of the NBC and, thus, require that code compliance be demonstrated via the alternative solution path specified under the provisions of Article 1.2.1.1 in Division A. Instances have also occurred in the past where seismic provisions on SFRSs not identified in Table 4.1.8.9 were added to material design standards. This may create confusion and lead code users to believe that these are considered “acceptable solutions” in the NBC when in fact the  $R_d$  and  $R_o$  values have yet been vetted through the NBC code development process or approved for use by the CBHCC.

To avoid misinterpretations, it is suggested that a note be added to Table 4.1.8.9 and wording be added to Appendix note A-Table 4.1.8.9 to alert users that an alternative solution is required for SFRSs that are not identified in Table 4.1.8.9 even if provisions for such systems are included in the respective material design standard. Suggested wording for Table note and appendix note below for consideration by SCED.

*Proposed new note (8) to Table 4.1.8.9:*

Refer to alternative solution provisions under Article 1.2.1.1 of Division A and Sentence 4.1.8.9(5) of Division B for SFRSs that are not identified in Table 4.1.8.9. Also see note A-4.1.8.9.(5).

*Proposed wording to add Appendix Note A-Table 4.1.8.9:*

**SFRSs not covered in Table 4.1.8.9.** Code compliance of SFRSs which are not identified in Table 4.1.8.9 must be demonstrated via the alternative solution code compliance path specified under Article 1.2.1.1 of Division A. As per Sentence 4.1.8.9.(5) of Division B, this requires the proponent to demonstrate through testing, research and analysis that the proposed SFRS provides a level of performance equivalent or greater than one of the systems identified as an acceptable solution in Table 4.1.8.9 to qualify for the  $R_d$  and  $R_o$  values of that system. This approach is required for all systems that are not identified in Table 4.1.8.9 despite that the respective CSA material design standard may have provisions on these as the  $R_d$  and  $R_o$  values have yet been vetted by the NBC code development process.

The suggested changes aim to reduce the possibility of misapplication and misinterpretation of code requirements. They seek to clarify the need for an alternative solution for SFRSs that are not explicitly identified in Table 4.1.8.9. The suggested changes are expected to improve the likelihood that the code is interpreted and used as intended as well as facilitate enforcement.

A PDF of the suggested changes for consideration by SCED will be sent by email.

### **Possible Committee Action:**

In reviewing this comment, the Committee should note that

- the issue raised by the commenter was given due consideration by SC-ED when the update to the 2024 edition of CSA S16 was considered
- the public comment is the result of a suggestion by one member
- SC-ED acknowledged the fact that the Annex in CSA S16 is informative and that any SFRS not listed in Article 4.1.8.9. will require an alternative solution design
- SC-ED unanimously voted, without any objection" to update to the new edition of CSA S16

[..... He observed that generally the requirements in S16 are more conservative. Andy noted that the concrete filled steel plate shear walls SFRS is not part of the acceptable solutions in Article 4.1.8.9. and can be used as an alternative solution using provisions in Annex N and Annex O in the Standard. The Code Change request submitted for adding the system to the NBC was not processed by SC-ED as the work of TG  $R_d$ ,  $R_o$  was put on hold. Regarding concern about the

potential misuse of the Rd,Ro value provided in the S16 as an alternative solution, it was pointed out that the annex is informative only and the expectation is that AHJ will require an alternative solution design if the SFRS is not one of the listed SFRSs in the Article 4.1.8.9. of the NBC. A member suggested adding an exception as a footnote to the Table of Referenced Standards to clarify this. Staff suggested that a comment could be submitted in the public review to this effect.

...

It was moved by Carlos V. and seconded by Bob N. that the proposed change to update S16-19 to CSA S16-24 be recommended for inclusion in the fall public review. The motion passed with a unanimous vote without any objection.]

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Andre La Vigne La Vigne Conception Design	
<b>Comment:</b>	Support with modifications	69945 No Supporting Document

The current Edition of API SPEC 12B is actually Dec 2020, 17th Edition and not (2008) as mentioned.

The current Edition of API SPEC 12D is actually Jun 2017, 12th Edition and not (2008) as mentioned.

The current Edition of API SPEC 12F is actually Jan 2019, 13th Edition and not (2008) as mentioned.

The current Edition of API 650 is actually Mar 2020 13th Edition and not (2013) as mentioned.

The current Edition of ASME B16.5 is actually 2020 and not (2017) as mentioned.

The current Edition of NFPA 30 is actually 2024 and not (2021) as mentioned.

The current Edition of NFPA 30A is actually 2024 and not (2018) as mentioned.

The current Edition of NFPA 30B is actually 2023 and not (2019) as mentioned.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- API SPEC 12B. Codes Canada did not receive a request to update to the 2020 edition
- API SPEC 12D. Codes Canada did not receive a request to update to the 2017 edition
- API SPEC 12F. Codes Canada did not receive a request to update to the 2019 edition
- API 650. Codes Canada did not receive a request to update to the 2020 edition
- ASME B16.5. The update to the 2020 edition has been approved for publication in the second printing of the 2020 codes.
- NFPA 30. Codes Canada did not receive a request to update to the 2024 edition
- NFPA 30A. The update to the 2021 edition has been approved for publication in the second printing of the 2020 codes. However, Codes Canada did not receive a request to update to the 2024 edition
- NFPA 30B. Codes Canada did not receive a request to update to the 2023 edition

If the Standing Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Robert Jutras UL Laboratory Canada Inc.	
<b>Comment:</b>	Support with modifications	69947

In the table Standards CSA A440.2 and CSA A440.3 were not up dated at every occurrence, and should be as presented below.

A separate PDF file was submitted by email for clarity.

CSA (Canadian Standards Association)	A440.2:1922	Fenestration energy performance	NBC A-5.3.1.2. NBC A-5.9.3.3.(1) NBC A-9.7.4.2.(1) NBC Table 9.36.8.6.
CSA (Association canadienne de normalisation/ Canadian Standards Association)	A440.2:1922	Rendement énergétique des systèmes de fenêtrage	CNB A-5.3.1.2. CNB A-5.9.3.3. 1) CNB A-9.7.4.2. 1) CNB Tableau 9.36.8.6.
CSA (Canadian Standards Association)	A440.2:1922/A440.3:1922	Fenestration energy performance/User guide-Guide to CSA A440.2:1922, Fenestration energy performance	NBC 9.36.2.2.(3) NBC A-Table 9.36.2.7.-A NBC Table 9.7.3.3. NECB 3.1.1.5.(3) NECB A-3.1.1.6.(1)
CSA (Association canadienne de normalisation/ Canadian Standards Association)	A440.2:1922/A440.3:1922	Rendement énergétique des systèmes de fenêtrage/Guide d'utilisation de CSA A440.2:1922, Rendement énergétique des systèmes de fenêtrage	CNB 9.36.2.2. 3) CNB A-Tableau 9.36.2.7.-A CNB Tableau 9.7.3.3. CNÉB 3.1.1.5. 3) CNÉB A-3.1.1.6. 1)
CSA (Canadian Standards Association)	A440.3:1922	User guide to CSA A440.2:1922, Fenestration energy performance	NBC A-5.3.1.2.
CSA (Association canadienne de normalisation/	A440.3:1922	Guide d'utilisation de CSA A440.2:1922, Rendement	CNB A-5.3.1.2.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- CSA A440.2 and CSA A440.3 are part of the same document CSA A440.2/A440.3, However, the codes reference the individual documents (CSA A440.2 and CSA S440.3) as well as the combined document (CSA A440.2/A440.3)
- Codes Canada received a request to update CSA A440.2/A440.3 to the 2022 edition which was reviewed and recommended for approval and thus it is included in the PCF 2096
- Codes Canada did not receive requests to update the individual references to CSA A440.2 and CSA A440.3 to the 2022 edition. Thus, updates to the individual documents were not processed and therefore no updates were shown in the PCF 2096
- The commenter raised a good point that while the combined document has been recommended to be updated from the 2022, the individual references have not been updated and would continue to reference the 2019 editions which will cause confusion and conflict.

If the Committee agrees, the update of CSA A440.2 and CSA S440.3 should be included in the 2025 edition of the codes as follows:

CSA (Canadian Standards Association)	A440.2: <del>1922</del>	Fenestration energy performance	NBC A-5.3.1.2. NBC A-5.9.3.3.(1) NBC A-9.7.4.2.(1) NBC Table 9.36.8.6.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440.2: <del>1922</del>	Rendement énergétique des systèmes de fenêtrage	CNB A-5.3.1.2. CNB A-5.9.3.3. 1) CNB A-9.7.4.2. 1) CNB Tableau 9.36.8.6.
CSA (Canadian Standards Association)	A440.3: <del>1922</del>	User guide to CSA A440.2: <del>1922</del> , Fenestration energy performance	NBC A-5.3.1.2.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440.3: <del>1922</del>	Guide d'utilisation de CSA A440.2: <del>1922</del> , Rendement énergétique des systèmes de fenêtrage	CNB A-5.3.1.2.

**Commenter:** Jeff Baker  
WESTLab

**Comment:** Support with modifications

69961

No Supporting Document

NFRC 100-2010 and NFRC 200-2010 are badly out of date. The current versions are 2023 for both documents. There is no impact to the fenestration industry or building industry as these are the current standards being used by the fenestration industry. The 2010 standards have not been used since at least 2014. WESTLab is a simulation laboratory under the NFRC certification program. I am a member of multiple committees and task groups at NFRC as well as a board member. NFRC was not aware of their

responsibility to update the standards in the code.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- the requests to update NFRC 100 and NFRC 200 to the 2023 editions were received on July 09, 2024, after the deadline for the 2025 Codes
- pending direction from the CBHCC, these updates will be considered for the 2025-2030 Code Cycle.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Amy Roberts FGIA	
<b>Comment:</b>	Support with modifications	69987 No Supporting Document

FGIA appreciates the opportunity to provide feedback on PCF 2096. We would like to amend our previous submission (#3211) to reflect a position of **Support with Modifications**.

While FGIA supports the intent and provisions of PCF 2096 as submitted, we propose this modification because the references to the AAMA documents within the PCF are currently out of date. To ensure accuracy and alignment with the most current standards, FGIA has proactively submitted updates to all referenced documents in question.

We appreciate your consideration of this input and remain available to provide any further information or clarification as needed.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- the requests to update AAMA 501, AAMA 501.1, AAMA 501.2, AAMA 501.4, AAMA 501.5 and AAMA 501.6 were received on December 12, 2024, after the deadline for the 2025 Codes
- pending direction from the CBHCC, these updates will be considered for the 2025-2030 Code Cycle.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Parisa Amiri ARPA ARCHITECTS	
<b>Comment:</b>	Support with comments	69898 No Supporting Document

I think it is better to add a section to the required number of stairs set for tiny apartments in narrower lots (under 30') with a maximum of 4 units three stories above the grade to only one common stair. Also, mandate each unit has to have a fire escape size opening with a balcony.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that this is not a comment on the proposed

changes.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Jack Mantyla Canadian Home Builders' Association	
<b>Comment:</b>	Support with comments	69977 No Supporting Document

We offer the following comments on the specific updates:

- Canadian Electrical Codes: While CHBA recognizes that the Canadian Electrical Code is being adopted independently by provinces and territories, we note that the calculations in the 2024 edition of Electrical Code for the consumer service panel size may not recognize the lower energy loads required by high-performance (i.e. highly energy efficient) buildings, which are now covered by requirements in this Code. CHBA strongly recommends that NRC researches load profiles of high-performance homes and works with CSA and the CSA C22 Part 1 committee to review the size calculation requirements for electrical panels to avoid unnecessary service size upgrades.
- We note that the new edition of the ASHRAE 140 standard is only applied to the NECB and recommend that its application be expanded to include Section 9.36 of the National Building Code once it has been confirmed that the most commonly used modelling tools can conform with the criteria in ASHRAE 140 - 2023.
- Finally, while CHBA supports the update to CSA F326, we note that this standard called up in Part 9 of National Building Code refers to CSA F300 *Residential depressurization* for the depressurization related requirements that were removed from CSA F326 and CGSB 51.71 (2005) still referenced in this proposed change has yet to be replaced. The review of CSA F300 and the potential replacement of CGSB 51.71 with this up-to-date standard should be made a high-priority.

#### **Possible Committee Action:**

In reviewing this comment, the Committee should note that

- The Canadian Electrical Code, part 1 (CSAS22.1) is published and maintained by the CSA Group and thus the comment should be directed to CSA Group. However, it should be mentioned that different collaboration means are being discussed by the board/Codes Canada and the Standards Council of Canada. If directed by the board, the NMCC would entertain and discuss means of collaboration
- SC-EE deferred PCF 2057 on updating ASHRAE standard 140 in the NBC Section 9.36. as per the following excerpts from the minutes of its 2020-27 meeting

[The Chair of the Working Group on ASHRAE 140-2023, J. Pockar, provided an overview of the proposed change, including the working group's recommendation that the ASHRAE 140 standard not be updated in NBC Section 9.36. Participants provided the following comments:

- NRCan has previously shown that HOT 2000 can comply with older versions of ASHRAE 140 but cannot complete the validation for the 2023 version of ASHRAE 140, 'Method of Test for Evaluating Building Performance Simulation Software' in time for the 2025 code publication
- Updating ASHRAE 140 in the NBC would cause hardship to performance modelling for Part 9 homes

SC-EE agreed

- To defer PCF 2057 on updating ASHRAE standard 140 in the NBC.]
- withdrawn standards, including CAN/CGSG-51.71, are part of the mandate of the NMCC-RefDocs and Codes Canada received CCRs on these withdrawn documents. However, this Committee has been directed to address CCRs on first-in-first-out basis. Thus, time and resources permitting, CAN/CGSG-51.71 would be reviewed and potential replacement(s) such as CSA F300 would be considered.

If the Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Kevan Jess Canadian Association of Fire Chiefs	
<b>Comment:</b>	Support with comments	69997 No Supporting Document

There is a need to facilitate the timely updating and inclusion of referenced standards within the National Model Codes. It is hoped that the CBHCC will conduct one or more interim updates of these reference standards during the term of the 2025 National Model Codes.

**Possible Committee Action:**

In reviewing this comment, the Committee should note that

- a second printing of the Codes is issued at mid-cycle
- the second printing includes updates to currently referenced documents as well as revisions and errata
- the CBHCC is considering more frequent updates during the 2025-2030 Code Cycle.

If the Standing Committee agrees, no action need be taken on this comment.

---

<b>Commenter:</b>	Melisa Audet Ontario Association of Architects	
<b>Comment:</b>	Support	69940 No Supporting Document

**Possible Committee Action:**

Support acknowledged.

---

<b>Commenter:</b>	Kamal Gogna City of Toronto	
<b>Comment:</b>	Support	69954 No Supporting Document

**Possible Committee Action:**

Support acknowledged.

---

<b>Commenter:</b>	Frank Zechner Canadian National Window Wall Association	
<b>Comment:</b>	Support	69974 No Supporting Document

**Possible Committee Action:**

Support acknowledged.

---

<b>Commenter:</b>	Dennis Weber Canadian Fire Alarm Association	
<b>Comment:</b>	Support	69993
		No Supporting Document

**Possible Committee Action:**

Support acknowledged.

---

<b>Commenter:</b>	Dennis Weber Canadian Fire Alarm Association	
<b>Comment:</b>	Support	69994
		No Supporting Document

**Possible Committee Action:**

Support acknowledged.

## Tiogo Madoumting, Debora

---

**From:** Gill, Larry <Larry.Gill@ipexna.com>  
**Sent:** October 28, 2024 2:43 PM  
**To:** CONST Codes Public Review/Examen public CONST (NRC/CNRC)  
**Subject:** Submission 3095

**\*\*\*Attention\*\*\* This email originated from outside of the NRC. \*\*\*Attention\*\*\* Ce courriel provient de l'extérieur du CNRC.**

Hello

My comments are noted below. I was not able to input these comments on the form

Here are the most recent editions of several reference standards

ASTM F3128 - 23  
ASTM F628-22  
CSA B602-20  
CSA C22.2 No. 211.0-03 (R2022)  
ULC S102 – 2019(R2024)  
ULC S102.2 – 2018 (R2024)

Larry Gill, P.Eng.  
Manager Codes and Standards

[Larry.Gill@ipexna.com](mailto:Larry.Gill@ipexna.com)  
647-290-3526 | cell

[www.ipexna.com](http://www.ipexna.com) | 1425 North Service Road E., Unit 3 Oakville, On L6H 1A7

**CBHCC FALL 2024 PR – PCF 2096 Comments**

By H  l  ne Dutrisac, P. Eng., Department of National Defence  
2024 December 13

Introduction

This PCF includes proposed changes to update editions of referenced documents. As part of this PCF, it is proposed to refer to the 2024 edition of the CSA S16 Steel Design Standard.

Concern

The 2024 edition of the CSA S16 standard contains a new Annex N which includes provisions on two new seismic force resisting systems (SFRSs): Type D (ductile) concrete-filled composite plate walls and Type D (ductile) coupled concrete-filled plate walls. These two systems are not explicitly identified in Table 4.1.8.9 of Division B of the NBC. As such, they are not considered to be “acceptable solutions” under Division B of the NBC and, thus, require that code compliance be demonstrated via the alternative solution path specified under the provisions of Article 1.2.1.1 in Division A. Instances have also occurred in the past where seismic provisions on SFRSs not identified in Table 4.1.8.9 were added to material design standards. This may create confusion and lead code users to believe that these are considered “acceptable solutions” in the NBC when in fact the  $R_d$  and  $R_o$  values have yet been vetted through the NBC code development process or approved for use by the CBHCC.

Suggested changes

To avoid misinterpretations, it is suggested that a note be added to Table 4.1.8.9 and wording be added to Appendix note A-Table 4.1.8.9 to alert users that an alternative solution is required for SFRSs that are not explicitly identified in Table 4.1.8.9 even if provisions for such systems are included in the respective material design standard. Suggested wording for Table note and appendix note below for consideration by SCED.

**Table 4.1.8.9.**  
**SFRS Ductility-Related Force Modification Factors,  $R_d$ , Overstrength-Related Force Modification Factors,  $R_o$ , and General Restrictions<sup>(1)(8)</sup>**  
Forming Part of Sentences 4.1.8.9.(1) and (5), 4.1.8.10.(5) and (6), 4.1.8.11.(12), 4.1.8.15.(9) and 4.1.8.20.(8)

Type of SFRS	$R_d$	$R_o$	Restrictions <sup>(2)</sup>			
			Seismic Category			
			SC1	SC2	SC3	SC4
Steel Structures Designed and Detailed According to CSA S16 <sup>(3)(4)</sup>						
Ductile moment-resisting frames	5.0	1.5	NL	NL	NL	NL
Moderately ductile moment-resisting frames	3.5	1.5	NL	NL	NL	NL
Limited ductility moment-resisting frames	2.0	1.3	NL	NL	60	30
...	...	...	...	...	...	...

**Notes to Table 4.1.8.9.:**

- (1) See Article 4.1.8.10.
- (2) NP = system is not permitted.  
NL = system is permitted and not limited in height as an SFRS.  
Numbers in this Table are maximum height limits above *grade*, in m.  
Height may be limited in other Parts of the Code.  
The most stringent requirement governs.
- (3) Higher design force levels are prescribed in CSA S16 for some heights of *buildings*.
- (4) See Note A-Table 4.1.8.9.
- (5) Frames are limited to a maximum of 2 *storeys*.
- (6) The maximum height limit is permitted to be increased to 15 m where  $I_e S(1.0) \leq 0.3$ .
- (7) Frames are limited to a maximum of 3 *storeys*.
- (8) Refer to alternative solution provisions under Article 1.2.1.1 of Division A and Sentence 4.1.8.9(5) of Division B for SFRSs that are not identified in Table 4.1.8.9. Also see note A-4.1.8.9.(5).

....

**A-Table 4.1.8.9.**

**Industrial-Type Steel Structures.** Guidance on the height limits, system restrictions and additional analysis and design requirements for steel SFRSs in industrial-type structures, intended essentially to support equipment, tanks or an industrial process, can be found in Annex M, Seismic Design of Industrial Steel Structures, of CSA S16, “Design of steel structures.”

**SFRSs not covered in Table 4.1.8.9.** Code compliance of SFRSs which are not identified in Table 4.1.8.9 must be demonstrated via the alternative solution code compliance path specified under Article 1.2.1.1 of Division A. As per Sentence 4.1.8.9.(5) of Division B, this requires the proponent to demonstrate through testing, research and analysis that the proposed SFRS provides a level of performance equivalent or greater than one of the systems identified as an acceptable solution in Table 4.1.8.9 to qualify for the  $R_d$  and  $R_o$  values of that system. This approach is required for all systems that are not identified in Table 4.1.8.9 despite that the respective CSA material design standard may have provisions on these as the  $R_d$  and  $R_o$  values have yet been vetted by the NBC code development process.

**A-4.1.8.9.(5)  $R_d R_o$  and Equivalent Systems.** Information on the  $R_d R_o$  of equivalent systems can be found in the Commentary entitled Design for Seismic Effects in the “Structural Commentaries (User’s Guide – NBC 2020: Part 4 of Division B).”

Justification

The suggested changes aim to reduce the possibility of misapplication and misinterpretation of code requirements. They seek to clarify the need for an alternative solution for SFRSs that are not explicitly identified in Table 4.1.8.9. The suggested changes are expected to improve the likelihood that the code is interpreted and used as intended as well as facilitate enforcement.

CSA (Canadian Standards Association)	A440.2: <del>1922</del>	Fenestration energy performance	NBC A-5.3.1.2. NBC A-5.9.3.3.(1) NBC A-9.7.4.2.(1) NBC Table 9.36.8.6.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440.2: <del>1922</del>	Rendement énergétique des systèmes de fenêtrage	CNB A-5.3.1.2. CNB A-5.9.3.3. 1) CNB A-9.7.4.2. 1) CNB Tableau 9.36.8.6.
CSA (Canadian Standards Association)	A440.2: <del>1922</del> /A440.3: <del>1922</del>	Fenestration energy performance/User <del>guide</del> <u>Guide</u> to CSA A440.2: <del>1922</del> , Fenestration energy performance	NBC 9.36.2.2.(3) NBC A-Table 9.36.2.7.-A NBC Table 9.7.3.3. NECB 3.1.1.5.(3) NECB A-3.1.1.6.(1)
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440.2: <del>1922</del> /A440.3: <del>19-22</del>	Rendement énergétique des systèmes de fenêtrage/Guide d'utilisation de CSA A440.2: <del>1922</del> , Rendement énergétique des systèmes de fenêtrage	CNB 9.36.2.2. 3) CNB A-Tableau 9.36.2.7.-A CNB Tableau 9.7.3.3. CNÉB 3.1.1.5. 3) CNÉB A-3.1.1.6. 1)
CSA (Canadian Standards Association)	A440.3: <del>1922</del>	User guide to CSA A440.2: <del>1922</del> , Fenestration energy performance	NBC A-5.3.1.2.
CSA (Association canadienne de normalisation/Canadian Standards Association)	A440.3: <del>1922</del>	Guide d'utilisation de CSA A440.2: <del>1922</del> , Rendement énergétique des systèmes de fenêtrage	CNB A-5.3.1.2.

2030-01

**7.**

**Tasks**

## 2030-01 Meeting of the National Model Codes Committee on Referenced Documents

### Agenda Item Summary Sheet

#### 7.1 Setting Up Task Groups

**Action Requested:** Decision  Guidance  Information

#### Summary

Task groups are struck at the discretion of the NMCC Chairs to address specific items within the scope and mandate of the approved terms of reference.

The Chair of the NMCC-RefDocs struck the following task groups:

- Task Group on Environmental Separation Referenced Documents (TG-RefDocs-ES)
- Task Group on Fire Protection and Hazardous Materials and Activities Referenced Documents (TG-RefDocs-FP&HMA)
- Task Group on HVAC and Plumbing Referenced Documents (TG-RefDocs-HP)
- Task Group on Structural Design and Earthquake Design Referenced Documents (TG-RefDocs-SD&ED)
- Task Group on Use and Egress Referenced Documents (TG-RefDocs-UE)

The Chair assigned members of the NMCC-RefDocs to serve on these task groups. However, he would like to confirm members' interest(s).

#### In this Agenda Package

- Terms of Reference of the task groups of the NMCC-RefDocs.

#### Desired Outcome

- Members of the NMCC-RefDocs confirm their interest in serving on at least one of the NMCC-RefDocs task groups.
- The Chair of the NMCC-RefDocs assigns Chairs for the NMCC-RefDocs task groups.

# Terms of Reference for Task Group on Environmental Separation Referenced Documents

## Mandate

The Task Group on Environmental Separation Referenced Documents (TG-RefDocs-ES) will

- review assigned Code Change Requests (CCRs) to confirm their merit and report back to the parent committee;
- address CCRs on first-in-first-out basis;
- review new documents on environmental separation and develop proposed code changes where appropriate; and
- review referenced documents on environmental separation that have been withdrawn by SDOs and recommend proposed replacements or other actions, as appropriate.

The TG-RefDocs-ES will undertake its work in accordance with the mandate of the National Model Code Committee on Referenced Documents (NMCC-RefDocs).

The TG-RefDocs-ES is established by, and reports to, the NMCC-RefDocs. The Task Group exists until the completion of its mandate or as otherwise directed by the NMCC.

The Task Group will comply with the Harmonized Code Development System Operating Procedures.

## Membership

Name	Affiliation	Geographic Representation	Membership Category
(Chair)			

## Appendices

Appendix A: Tentative number of relevant CCRs

## **Appendix A: Tentative Number of Relevant CCRs**

A total of 22 CCRs involving new documents.

A total of 24 CCRs involving withdrawn documents.

# Terms of Reference for Task Group on Fire Protection and Hazardous Materials and Activities Referenced Documents

## Mandate

The Task Group on Fire Protection and Hazardous Materials and Activities Referenced Documents (TG-RefDocs-FP&HMA) will

- review assigned Code Change Requests (CCRs) to confirm their merit and report back to the parent committee;
- address CCRs on first-in-first-out basis;
- review new documents on fire protection and hazardous materials and activities and develop proposed code changes where appropriate; and
- review referenced documents on fire protection and hazardous materials and activities that have been withdrawn by SDOs and recommend proposed replacements or other actions, as appropriate.

The TG-RefDocs-FP&HMA will undertake its work in accordance with the mandate of the National Model Code Committee on Referenced Documents (NMCC-RefDocs).

The TG-RefDocs-FP&HMA is established by, and reports to, the NMCC-RefDocs. The Task Group exists until the completion of its mandate or as otherwise directed by the NMCC.

The Task Group will comply with the Harmonized Code Development System Operating Procedures.

## Membership

Name	Affiliation	Geographic Representation	Membership Category
(Chair)			

## Appendices

Appendix A: Tentative number of relevant CCRs

## **Appendix A: Tentative Number of Relevant CCRs**

A total of 19 CCRs involving new documents.

A total of 2 CCRs involving withdrawn documents.

# Terms of Reference for Task Group on HVAC and Plumbing Referenced Documents

## Mandate

The Task Group on HVAC and Plumbing Referenced Documents (TG-RefDocs-HP) will

- review assigned Code Change Requests (CCRs) to confirm their merit and report back to the parent committee;
- address CCRs on first-in-first-out basis;
- review new documents on HVAC and plumbing and develop proposed code changes where appropriate; and
- review referenced documents on HVAC and plumbing that have been withdrawn by SDOs and recommend proposed replacements or other actions, as appropriate.

The TG-RefDocs-HP will undertake its work in accordance with the mandate of the National Model Code Committee on Referenced Documents (NMCC-RefDocs).

The TG-RefDocs-HP is established by, and reports to, the NMCC-RefDocs. The Task Group exists until the completion of its mandate or as otherwise directed by the NMCC.

The Task Group will comply with the Harmonized Code Development System Operating Procedures.

## Membership

Name	Affiliation	Geographic Representation	Membership Category
(Chair)			

## Appendices

Appendix A: Tentative number of relevant CCRs

## **Appendix A: Tentative Number of Relevant CCRs**

A total of 35 CCRs involving new documents.

# Terms of Reference for Task Group on Structural Design and Earthquake Design Referenced Documents

## Mandate

The Task Group on Structural Design and Earthquake Design Referenced Documents (TG-RefDocs-SD&ED) will

- review assigned Code Change Requests (CCRs) to confirm their merit and report back to the parent committee;
- address CCRs on first-in-first-out basis;
- review new documents on structural design and earthquake design and develop proposed code changes where appropriate; and
- review referenced documents on structural design and earthquake design that have been withdrawn by SDOs and recommend proposed replacements or other actions, as appropriate.

The TG-RefDocs-SD&ED will undertake its work in accordance with the mandate of the National Model Code Committee on Referenced Documents (NMCC-RefDocs).

The TG-RefDocs-SD&ED is established by, and reports to, the NMCC-RefDocs. The Task Group exists until the completion of its mandate or as otherwise directed by the NMCC.

The Task Group will comply with the Harmonized Code Development System Operating Procedures.

## Membership

Name	Affiliation	Geographic Representation	Membership Category
(Chair)			

## Appendices

Appendix A: Tentative Number of relevant CCRs

## **Appendix A: Tentative Number of Relevant CCRs**

A total of 6 CCRs involving new documents.

A total of 2 CCRs involving withdrawn documents.

# Terms of Reference for Task Group on Use and Egress Referenced Documents

## Mandate

The Task Group on Use and Egress Referenced Documents (TG-RefDocs-UE) will

- review assigned Code Change Requests (CCRs) to confirm their merit and report back to the parent committee;
- address CCRs on first-in-first-out basis;
- review new documents on use and egress and develop proposed code changes where appropriate; and
- review referenced documents on use and egress that have been withdrawn by SDOs and recommend proposed replacements or other actions, as appropriate.

The TG-RefDocs-UE will undertake its work in accordance with the mandate of the National Model Code Committee on Referenced Documents (NMCC-RefDocs).

The TG-RefDocs-UE is established by, and reports to, the NMCC-RefDocs. The Task Group exists until the completion of its mandate or as otherwise directed by the NMCC.

The Task Group will comply with the Harmonized Code Development System Operating Procedures.

## Membership

Name	Affiliation	Geographic Representation	Membership Category
(Chair)			

## Appendices

Appendix A: Tentative Number of relevant CCRs

## **Appendix A: Tentative Number of Relevant CCRs**

A total of 13 CCRs involving new documents.

2030-01

**8.**

**New Business**

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

**8.1 Code Change Requests**

**Action Requested:**    Decision             Guidance             Information

**Summary**

The following table provides a summary of the Code Change Requests (CCRs), directed to the NMCC-RefDocs by the CBHCC as aligned with planned or on-going work.

<b>CCR</b>	<b>CCR Summary</b>	<b>Code</b>	<b>CCR Scope</b>
1276	Add reference to ASME B16.51, "Copper and Copper Alloy Press-Connect Pressure Fittings" and ASTM F3226, "Standard Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems" in a new Article 2.2.7.8. to recognize press-connect copper and copper alloy water fittings for water systems.	NPC	HVAC & Plumbing
1793	Add reference to CAN/ULC-S142, "Standard Method of Fire Test for Heat and Visible Smoke Release for Discrete Products" in Clause 3.6.4.3.(1)(a) to cover certain materials, products in concealed space used as a plenum.	NBC	Fire Protection & Hazardous Materials and Activities
1795	Add reference to ASTM E2307, "Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-story Test Apparatus" to introduce a requirement, in Subsection 3.1.9., to firestop the gap between a horizontal fire separation and an exterior facade in buildings that are 2-storeys or more.	NBC	Fire Protection & Hazardous Materials and Activities
1796	Add reference to ANSI/ASME B16.51, "Copper and Copper Alloy Press-Connect Pressure Fittings", ASTM F3226, "Standard Specification for Metallic Press Connect Fittings for Pipe or Tubing Systems" and IAPMO/ANSI/CAN Z1117, "Standard for Press Connections" in Subsection 2.2.7. to introduce press-connect water fittings into the NPC.	NPC	HVAC & Plumbing

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

<b>CCR</b>	<b>CCR Summary</b>	<b>Code</b>	<b>CCR Scope</b>
1824	Add reference to ICFMA, "Prescriptive ICF Design for Part 9 Structures in Canada" in Clause 9.4.1.1 (1)(b).	NBC	Environmental Separation
1833	Add the following footnote, related to gypsum sheathing, to Table 9.23.17.2.-A.  <i>[ASTM C1177 requires exterior sheathing to be installed in accordance with ASTM C1280, "Standard Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing.]</i>	NBC	Environmental Separation
1834	Add reference to ASTM C 1177/C1177M, "Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing", CAN/CSA-A82.27-M, "Gypsum Board", ASTM C 1658/C1658M, "Standard Specification for Glass Mat Gypsum Panels", and ASTM C1278/C1278M, "Standard Specification for Fiber-Reinforced Gypsum Panel" in Article 9.29.5.2. on gypsum products.	NBC	Environmental Separation
1839	Replace the withdrawn CAN/CSA-A82.31-80 with ASTM C840 in 3.2.3.6.(5), 9.10.9.2.(5), 9.10.12.4.(3), 9.10.14.5.(8), 9.10.14.5.(12), 9.10.15.5.(7),9.10.15.5.(11), 9.29.5.1.(2), Table 9.10.3.1.-A	NBC	Environmental Separation
1856	Clarify the installation of smoke dampers or combination smoke/fire dampers in Sentence 3.1.8.11.	NBC	Fire Protection & Hazardous Materials and Activities
1861	Add reference to ASTM E2174, "Standard for the On-Site Inspection of Installed Penetration Firestops" and ASTM E2393, "Standard for the On-Site Inspection of Fire-Resistive Joint Systems" in Subsection 3.1.9. for the inspection of firestops.	NBC	Fire Protection & Hazardous Materials and Activities
1862	Add reference to CSA S807-19, "Specification for fibre-reinforced polymers" in Article 4.3.3.1.	NBC	Structural Design and Earthquake Design

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

<b>CCR</b>	<b>CCR Summary</b>	<b>Code</b>	<b>CCR Scope</b>
1863	Add reference to ASTM E2174, "Standard for the On-Site Inspection of Installed Firestop Systems" and ASTM E2393, "Standard for On-Site Inspection of Installed Fire-Resistive Joint Systems", and ULC FM 4991, "Standard for the Approval of Firestop Contractors" in the Explanatory Note A-3.1.8.3.(2) for the installation and inspection of firestops.	NBC	Fire Protection & Hazardous Materials and Activities
1907	Add reference to ASTM D8257, "Standard Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing" and refer to the currently reference CSA A123.3, "Asphalt Saturated Organic Roofing Felt" and CSA A123.22, "Self-Adhering Polymer Modified Bituminous Sheet Materials Used as Steep Roofing Underlayment for Ice Dam Protection" in Sentence 9.26.6.1.(1) dealing with underlay beneath shingles.	NBC	Environmental Separation
1908	This CCR is a duplicate/ of CCR 1907.	NBC	Environmental Separation
1979	Add reference to NFPA 105, "Standard for Smoke Door Assemblies and Other Opening Protectives" in Sentence 2.2.2.4.(5) for the inspection and testing of smoke dampers.	NFC	Fire Protection & Hazardous Materials and Activities
1983	Add reference to ASTM E 1602, "Standard Guide for Construction of Solid Fuel Burning Masonry Heaters" and CEN - EN 15250, "Slow heat release appliances fired by solid fuel - Requirements and test methods" in Article 9.22.1.1. to introduce provisions for Masonry heaters.	NBC	HVAC & Plumbing
2015	Remove the reference to the withdrawn CAN/CGSB-7.2-94, "Adjustable Steel Columns."	NBC	Structural Design and Earthquake Design
2017	Remove the reference to the withdrawn CAN/CGSB-11.3-M87, "Hardboard."	NBC	Environmental Separation

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

<b>CCR</b>	<b>CCR Summary</b>	<b>Code</b>	<b>CCR Scope</b>
2018	Remove the reference to the withdrawn CAN/CGSB-12.2-M91, "Flat, Clear Sheet Glass."	NBC	Environmental Separation
2019	Remove the reference to the withdrawn CAN/CGSB-12.3-M91, "Flat, Clear Float Glass."	NBC	Environmental Separation
2020	Remove the reference to the withdrawn CAN/CGSB-12.4-M91, "Heat Absorbing Glass."	NBC	Environmental Separation
2022	Remove the reference to the withdrawn CAN/CGSB-12.9-M91, "Spandrel glass."	NBC	Environmental Separation
2023	Remove the reference to the withdrawn CAN/CGSB-12.10-M76, "Glass, Light and Heat Reflecting."	NBC	Environmental Separation
2025	Remove the reference to the withdrawn CAN/CGSB-12.11-M90, "Wired Safety Glass."	NBC	Fire Protection & Hazardous Materials and Activities
2026	Remove the reference to the withdrawn CAN/CGSB-12.20-M89, "Structural Design of Glass for Buildings."	NBC	Structural Design and Earthquake Design
2027	Remove the reference to the withdrawn CAN/CGSB-19.22-M89, "Mildew-Resistant Sealing Compound for Tubs and Tiles."	NBC	Environmental Separation
2028	Remove the reference to the withdrawn 37-GP-9Ma-1983, "Primer, Asphalt, Unfilled, for Asphalt Roofing, Dampproofing and Waterproofing."	NBC	Environmental Separation
2029	Remove the reference to the withdrawn CAN/CGSB-37.50-M89, "Hot-Applied, Rubberized Asphalt for Roofing and Waterproofing."	NBC	Environmental Separation
2030	Remove the reference to the withdrawn CAN/CGSB-37.51-M90, "Application for Hot-Applied Rubberized Asphalt for Roofing and Waterproofing."	NBC	Environmental Separation

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

<b>CCR</b>	<b>CCR Summary</b>	<b>Code</b>	<b>CCR Scope</b>
2031	Remove the reference to the withdrawn CAN/CGSB-37.54-95, "Polyvinyl Chloride Roofing and Waterproofing Membrane."	NBC	Environmental Separation
2032	Remove the reference to the withdrawn 37-GP-55M-1979, "Application of Sheet Applied Flexible Polyvinyl Chloride Roofing Membrane."	NBC	Environmental Separation
2034	Remove the reference to the withdrawn 37-GP-56M-1985, "Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing."	NBC	Environmental Separation
2035	Remove the reference to the withdrawn CAN/CGSB-37.58-M86, "Membrane, Elastomeric, Cold-Applied Liquid, for Non-Exposed Use in Roofing and Waterproofing."	NBC	Environmental Separation
2037	Remove the reference to the withdrawn CAN/CGSB-51.25-M87, "Thermal Insulation, Phenolic, Faced."	NBC	Environmental Separation
2038	Remove the reference to the withdrawn 51-GP-27M-1979, "Thermal Insulation, Polystyrene, Loose Fill."	NBC	Environmental Separation
2040	Remove the reference to the withdrawn CAN/CGSB-51.33-M89, "Vapour Barrier, Polyethylene Sheet for Use in Building Construction."	NBC	Environmental Separation
2041	Remove the reference to the withdrawn CAN/CGSB-51.71-2005, "Depressurization Test."	NBC	Environmental Separation
2042	Remove the reference to the withdrawn CAN/CGSB-71.26-M88, "Adhesive for Field-Gluing Plywood to Lumber Framing for Floor Systems."	NBC	Environmental Separation
2043	Remove the reference to the withdrawn CAN/CGSB-82.6-M86, "Doors, Mirrored Glass, Sliding or Folding, Wardrobe."	NBC	Environmental Separation
2044	CAN/CGSB-93.1-M85 - Sheet, Aluminum Alloy, Prefinished, Residential."	NBC	Environmental Separation

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

<b>CCR</b>	<b>CCR Summary</b>	<b>Code</b>	<b>CCR Scope</b>
2047	Add reference to NFPA 2001, "Standard on Clean Agent Fire Extinguishing Systems" in Sentence 2.1.3.5.(3).	NFC	Fire Protection & Hazardous Materials and Activities
2053	Replace three standards (CSA B481.1, "Material, design, and construction requirements for grease interceptors", CSA B481.3, "Sizing, selection, location, and installation of grease interceptors" and CSA B481.4, "Maintenance of grease interceptors") by two harmonized standards (ASME A112.43/CSA B481.1, "Hydromechanical grease interceptors" and ASME A112.43/CSA B481.5, "Grease removal devices") in Article 2.2.3.2. dealing with interceptors.	NPC	HVAC & Plumbing
2054	Add reference to ASME/CSA A112.6.3/B79.3, "Floor drains", ASME/CSA A112.6.4/B79.4, "Roof, deck, and balcony drains", ASME/CSA A112.6.7/B79.7, "Sanitary floor sinks", ASME/CSA A112.6.8/B79.8, "Trench drains", ASME/CSA A112.6.9/B79.9, "Siphonic roof drains", ASME/CSA A112.36.2/B79.2, "Cleanouts" in Article 2.2.10.3. to address floor drains, floor sinks, trench drains, and roof drains.	NPC	HVAC & Plumbing
2064	Add reference to NSF/ANSI 41, "Non-Liquid Saturated Treatment Systems" in new Sentences 3.7.2.1.(5) and 9.31.4.1.(2).	NBC	HVAC & Plumbing
2123	Add reference to NFPA 2001, "Standard on Clean Agent Fire Extinguishing Systems" in Article 2.1.3.5.	NFC	Fire Protection & Hazardous Materials and Activities
2143	Add reference to CSA B401.1, "Natural gas vehicle (NGV) Maintenance Facilities Code" and CSA B401.2, "Propane Vehicle Maintenance Facilities Code" in Sentence 6.2.1.1.(1) as good engineering practice for natural gas vehicle maintenance facilities and propane vehicle maintenance facilities.	NPC	HVAC & Plumbing

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

<b>CCR</b>	<b>CCR Summary</b>	<b>Code</b>	<b>CCR Scope</b>
2182	Clarify the application of Clause 2.2.10.10.(1)(a) referring to CSA B64.0, "Definitions, general requirements, and test methods for vacuum breakers and backflow preventers" to all other Clauses within Sentence 2.2.10.10.(1).	NPC	HVAC & Plumbing

**In this Agenda Package**

- Copies of the CCRs.

**Desired Outcome**

For each CCR, NMCC-RefDocs reviews the CCR and develops consensus

- a) that the CCR has merit, and direct the development of the CCR to its task group working on the subject
- b) to refer the CCR to one of its task groups for a recommendation on whether the CCR has merit, or
- c) that the CCR does not have merit, and inform the CBHCC.

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1276**

CCR No.:	1276
Title:	Press-Connect Copper and Copper Alloy Water Fittings for Copper Water Systems
Description:	The code change request aims to add a new provision that will address Press-Connect Copper and Copper Alloy Water Fittings for Copper Water Systems.
Proponent:	Mr. Mark Fasel Viega LLC
Submitted:	2017-12-22
Code Reference(s):	NPC15 Div.B 2.2.7.8.
Standing Committee(s):	HVAC and Plumbing
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 1273 - Reference Document ASTM F3226</li><li>• CCR 1274 - Press-Connect Fittings for Stainless Steel Pipe and Tube</li><li>• CCR 1275 - Standard for Copper and Copper Alloy Press-Connect Pressure Fittings for Copper Tubing</li><li>• CCR 1615 - Standard for Copper and Copper Alloy Press-Connect Pressure Fittings</li><li>• CCR 1796 - Press Connect Fittings</li></ul>

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2018-01-03 — Received

### 2018-01-17 — Sorted

### 2018-03-28 — HVAC and Plumbing — Analyzed

The proponent is requesting to add a new provision that will address Press-Connect Copper and Copper Alloy Water Fittings for Copper Water Systems.

This CCR is related to CCR 1275 that proposes to add ASME B16.51 “Copper and Copper Alloy Press-Connect Pressure Fittings” to the NPC.

Copper and Copper Alloy Press-Connect Pressure Fittings are not addressed in the NPC.

If the Standing Committee agrees to refer to this standard in the NPC, approval from the CCBFC will be needed and the work might be addressed through a small WG.

### 2018-12-03 — HVAC and Plumbing — Reviewed — Decision: Requested Approval (2015-10.11.1.03)

The CCR aims to add reference to ASME B16.51 and a new provision that will address Press-Connect Copper and Copper Alloy Water Fittings for Copper Water Systems.in the NPC.

The members discussed the CCR and noted that there are three standards that address the same types of material. They agreed to expand the scope to add the review of another standard.

The Standing Committee agreed to **request a task approval** to develop the proposed change.

---

## Code Change Request 1276

Proponent: Mr. Mark Fasel  
Viega LLC

Function: Supplier / Manufacturer

Submitted: 2017-12-22

Type of Change: Add a new code provision

Code Reference(s): 2015 National Plumbing Code (NPC) 2.2.7.8 Press-Connect Copper and Copper Alloy Water Fittings for Copper Water Systems

### Subject

Existing code provision title is Lead Water Pipe Fittings

### Problem

Press connect fittings are acceptable joining methods of piping such as butt weld pipe fittings, threaded fittings and flanges. The current code does not recognize Press-Connect Copper and Copper Alloy Water fittings.

### Requested Change/Addition

Rename section 2.2.7.8 to Press-Connect Copper and Copper Alloy Water Fittings for Water Systems and move Lead Waste Pipe and Fittings to new section number 2.2.7.9 and its subsection Pipes and Fittings to 2.2.7.9.1

2.2.7.8 to Press-Connect Copper and Copper Alloy Water Fittings for Water Systems

- 1) Press-Connect copper and copper alloy water fittings for water systems shall conform to ASME B16.51 or ASTM F3226 and shall be installed in accordance with the manufacturer's instructions.
- 2) Press-Connect copper and copper alloy water fittings for water systems shall be installed in accordance with the manufacturer's installation instructions.

### Justification/Explanation

Press connect copper and copper alloy water fittings for copper water systems are listed fittings for joining copper water tubing and should be included as a copper tube joining method. The applicable standard for performance characteristics the fittings shall conform to (ASME B16.51 or ASTM F3226) are listed in the body of the proposal. Enforcers and users of these type fittings should know what standard the fittings are required to conform to. Press connect fittings are installed with a hydraulic tool identified by the manufacture and do not require open flame for installation.

The standards ASME B16.51 and ASTM F3226 have related proposal to include them in table 1.3.1.2. Division B.

### Objective(s)

NBC-OS1, NFC-OP1, NFC-OS3.2

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

There are no added costs associated with this proposal.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an*

*increase in resources?*

Yes.

There are no added costs associated with this proposal.

### **Other Comments**

The Press-Connect copper fitting joining method is much safer than the traditional open flame welding or brazing pipe and tubing methodology. There are a wide variety of manufacturer's of these type fittings throughout North America and the use of these fittings for joining copper tubing should be identified in the code to eliminate confusion of standards the fittings shall conform to. A copy of Viega's product catalog has been included as well as a copy of ASME B16-51 and ASTM F3226 for committee review.

### **Attached Supporting Material**

- Copper and Copper-Alloy Press Connect Pressure Fittings
- ccr\_1276\_att.\_2\_\_astm\_f3226-16\_standard\_for\_press-connect\_fittings.pdf
- Standard Specification for Metallic Press-Connect Fittings for Piping and Tubing Systems1

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1793**

CCR No.: 1793  
Title: Add a reference to a new Standard for materials in concealed space used as plenum.  
Description: The CCR advocates adding reference to a CAN/ULC standard to cover certain materials, products in concealed space used as a plenum.

Proponent: Brian McBain  
Underwriters Laboratories of Canada  
Submitted: 2022-01-31  
Code Reference(s): NBC15 Div.B 3.6.4.3.(1)  
Standing Committee(s): Fire Protection, Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-02-01 — Received

### 2022-02-02 — Sorted

### 2022-10-19 — Analyzed

CCR 1793 identifies a gap in the NBC provisions for determination of *flame-spread rating* and smoke developed classification of materials in concealed space used as *plenum*. The requirements for *flame-spread rating* and smoke developed classification of materials in concealed space used as *plenum* are provided in Article 3.6.4.3. of NBC 2020. Further, Article 3.1.12.1. requires such ratings to be determined in conformance with CAN/ULC-S102.

The proponent of CCR 1793 points out the discrete stand-alone and non-continuous products that are not installed in a continuous manner such as speakers, floor diffusers, valves, duct support framing etc. are tested to CAN/ULC-S142 and not CAN/ULC-S102. Therefore, a new sub-clause needs to be added to Clause 3.6.4.3.(1).(a) in NBC 2020 providing reference to the appropriate Standard for such products.

Based on the review of the documentation, staff recommends that the CCR points to a gap in the NBC and should be addressed by SC-FP. The solution could be addressing it in Clause 3.6.4.3.(1)(a) as suggested in the CCR, or alternatively, referencing CAN/ULC-S142 standard in Article 3.1.12.1. as an additional testing option for discrete stand-alone non-continuous products. Please note that if the SC-FP decides to add reference to CAN/ULC-S142, the approval should be requested for adding a new standard.

If the discrete stand-alone non-continuous products are also used in Part 9 buildings and required to have flame-spread rating and smoke developed classification, then the issue should be addressed in Part 9 as well. A JTG could be formed between the SC-FP and SC-HSB.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- 
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
  
  - **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340
  
  - **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388
-

## Code Change Request 1793

Proponent: Brian McBain  
Underwriters Laboratories of Canada  
Function: Other, Other (Certification Organization)  
Submitted: 2022-01-31  
Type of Change: Add a new code provision  
Code Reference(s): 2015 National Building Code (NBC) 3.6.4.3.(1)(a)(v)

### Subject

Plenum Requirements

### Problem

There are existing provisions in the code that requires materials within a concealed space that is being used as a plenum within a floor assembly or within a roof assembly to be provided with a flame-spread rating not more than 25 and a smoke developed classification not more than 50. This rating would be based on CAN/ULC-S102.

Products that are discrete stand-alone and non-continuous would be tested to CAN/ULC-S142 and not CAN/ULC-S102. CAN/ULC-S142 requirements are based on the technical rationale of the CAN/ULC-S102 standard but apply to products that cannot be tested to CAN/ULC-S102 requirements due to their small size, inability to manufacturer the materials to ULC-S102 specified samples or other factors.

### Requested Change/Addition

3.6.4.3.(1)(a)(v) discrete stand-alone, non-continuous products that conform to CAN/ULC-S142, Standard Method of Fire Test for Heat and Visible Smoke Release for Discrete products.

### Justification/Explanation

Materials tested to CAN/ULC-S102, are tested in the Steiner Tunnel and the products measure 0.5m to 0.6m in width and are 7.32m in total length. The time for flame progression is measured and calculated as a flame-spread rating and smoke obscuration is measured and calculated as a smoke development classification. Due to the test specimen size, this test method could not be used to test small discrete objects such as speakers, floor diffusers, duct support webbing etc.

Under CAN/ULC-S142, the products are subjected to a 60 kW ignition source, and all products of combustion are arrested by a calorimeter hood. Heat energy is determined using oxygen consumption techniques and equipment in the air stream determines smoke density. To be acceptable, products are required to exhibit a peak heat release rate of 100 kW or less, a maximum normalized peak optical density of 0.5 or less, and the average normalized optical density of 0.15 or less.

A discrete product that successfully passes the CAN/ULC-S142 test, could be considered as limiting the severity and effects of fire within a building by minimizing the ignition sources and combustibility of the elements and products within the concealed space that is being used as a plenum.

The scope of CAN/ULC-S142 covers the following:

1.1 This is a fire test method for determining the fire performance and smoke characteristics of discrete products (including but not limited to electrical and plumbing equipment). These products are subjected to an open flame ignition source and evaluated using a product calorimeter to determine the rate of heat release and the rate of smoke release of the burning product samples.

NOTE: Discrete products as used in this Standard refers to stand-alone, non-continuous product that are not installed in a continuous manner that could be tested in the tunnel equipment referenced in the Standard Method of Test for Surface Burning Characteristics of Building Materials and Assemblies,

CAN/ULC-S102. Examples of these types of products are speakers, valves, etc.

1.2 This test method does not provide information on the performance of products in other fire or test conditions. This test does not investigate the toxicity of the products of combustion.

1.3 This test does not cover the constructional, electrical, or other performance requirements of the product.

### **Objective(s)**

NBC-OP1.2, NBC-OP1.3, NBC-OS1.2, NBC-OS1.3

### **Impact Analysis**

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The costs would vary by building depending on the products used and if they are installed in the concealed space of the plenum.

### **Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

No enforcement implications at this time, can be enforced within the existing infrastructure.

### **Other Comments**

Standard can be provided up request

### **Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1795**

CCR No.: 1795  
Title: Continuity of Horizontal Fire Separations Abutting Exterior Facades  
Description: This request for change introduces a requirement to firestop the gap between an horizontal fire separation and a curtain wall in buildings that are 2-storeys or more.  
Proponent: Vijay Lucas  
Jensen Hughes  
Submitted: 2022-02-03  
Code Reference(s): NBC15 Div.B 3.1.8.3.(4)  
Standing Committee(s): Fire Protection, Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-02-07 — Received

### 2022-03-16 — Sorted

### 2023-10-25 — Fire Protection — Analyzed

This request for change (CCR) introduces a reference to the ASTM E2307, "Standard Test Method for Determining Fire Resistance of Perimeter Fire Barriers Using Intermediate-Scale, Multi-storey Test Apparatus" for testing the firestop used at the perimeter of an horizontal fire separation and curtain wall assembly in a building that is 2-storeys or more.

This standard is referenced in the current referenced CAN/ULC-S115, "Standard Method of Fire Tests of Firestop Systems" as an acceptable fire test method.

The 2020 edition of the NBC includes under Sentence 3.1.8.3.(4) a direct reference to the proposed standard with an F rating that is not less than the fire-resistance rating of the horizontal fire separation.

As such, if the Standing Committee agree with the above, this CCR should be considered as complete.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144,

---

2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1795

Proponent: Vijay Lucas  
Jensen Hughes  
Function: Designer / Architect / Engineer  
Submitted: 2022-02-03  
Type of Change: Add a new code provision  
Code Reference(s): 2015 National Building Code (NBC) 3.1.9

### Subject

Continuity of Horizontal Fire Separations abutting Exterior Facades

### Problem

The code references CAN/ULC-S115-11 for provisions of firestopping but which does not address firestopping at the building perimeter where the slab edge abuts the curtainwall. A new standard edition of CAN/ULC-S115-18 was released in 2018 which now incorporates/permits systems tested to the requirements of ASTM E2307 under the auspices of the S115 standard. The S115 standard update provides additional avenues for the engineer/architect and AHJs to propose and permit listed firestop systems for slab edge condition that are "code compliant" and which meet the requirements of ASTM E2307, instead of navigating through a sometimes extensive alternative solution application and review processes within the respective jurisdictions.

### Requested Change/Addition

addition of a new article and sentence as follows:

#### 3.1.9.8 Continuity of Horizontal Fire Separations abutting Exterior Facades

1. An opening between a required horizontal fire separation and an exterior facade in a building not less than 2 storeys high shall be:

a. sealed by a firestop system that when subjected to the fire test method of ASTM E2307 as noted in CAN/ULC-S115-18, "Fire Tests of Firestop Systems," has an F rating note less than the fire-protection rating required for closures in the fire separation in conformance with Table 3.1.8.4.

### Justification/Explanation

As noted in the problems section previously, the code change/addition request is to assist engineers/architects and AHJ's with proposals and acceptance of existing listed firestop systems in lieu of alternative solutions.

The new testing standard edition of CAN/ULC-S115-18 provides a basis to use an alternative fire testing method to determine a fire rating for perimeter firestop systems located between horizontal fire separations and exterior facades or curtainwall assemblies forming the building envelope.

### Objective(s)

NBC-OP, NBC-OP1, NBC-OP1.2, NBC-OP1.3, NBC-OS1.2, NBC-OS1.3

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The change will greatly reduce time, expense and effort required by engineers/architects, AHJ's, constructors and manufacturers who propose, review and develop such systems. The entire building façade, firestopping and construction industries in Canada will experience significant benefits from access

to new curtainwall/perimeter edge seal design listings. It streamlines the process to maintain continuity of fire separations as they abut both rated or unrated exterior façades by using a code conforming solution in lieu of an alternative solution method that is time consuming and which demands deep technical knowledge of fire testing and materials.

### **Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

No increase in resources or additional infrastructure is required.

### **Other Comments**

None

### **Attached Supporting Material**

*none*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 1796

CCR No.:	1796
Title:	Press Connect Fittings
Description:	This CCR aims to introduce Press-Connect Water Fittings into the NPC.
Proponent:	Bob Carpenter Viega LLC
Submitted:	2022-02-04
Code Reference(s):	NPC15 Div.B 2.2.7.
Standing Committee(s):	HVAC and Plumbing
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 1273 - Reference Document ASTM F3226</li><li>• CCR 1274 - Press-Connect Fittings for Stainless Steel Pipe and Tube</li><li>• CCR 1275 - Standard for Copper and Copper Alloy Press-Connect Pressure Fittings for Copper Tubing</li><li>• CCR 1276 - Press-Connect Copper and Copper Alloy Water Fittings for Copper Water Systems</li><li>• CCR 1615 - Standard for Copper and Copper Alloy Press-Connect Pressure Fittings</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-02-07 — Received

### 2022-03-02 — Sorted

### 2022-10-28 — HVAC and Plumbing — Analyzed

This CCR aims to introduce Press-Connect Water Fittings into the NPC. The SC-HP has already received similar request (CCR 1276) and agreed to add the task to their work plan.

If the SC-HP agrees, this CCR should be added to the task on fittings and connectors.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

---

**CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1796

Proponent: Bob Carpenter  
Viega LLC  
Function: Supplier / Manufacturer  
Submitted: 2022-02-04  
Type of Change: Add a new code provision  
Code Reference(s): 2015 National Plumbing Code (NPC) 2.2.7

### Subject

Press Connect Fittings

### Problem

The use of Press-Connect Fitting Technology is not currently referenced in the National Plumbing Code.

### Requested Change/Addition

2.2.7.8 Press-Connect Water Fittings

(1) Press-Connect Water Fittings shall conform to

- a. ANSI/ASME B16.51 "Copper and Copper Alloy Press-Connect Pressure Fittings" or
- b. ASTM F3226 Standard Specification for Metallic Press-Connect Fittings for Pipe or Tubing Systems.

(c) IAPMO/ANSI/CAN Z1117 "Standard for Press Connections"

(existing sections following this would be renumbered)

### Justification/Explanation

Press-Connect Fittings have been approved for 20 years by BMEC for use in Canada, are accepted by ICC and IAPMO Codes in the United States, and have over two decades of successful use in North America for Plumbing Systems. Use of Press-Connect Systems can increase job site safety by eliminating hot work and can positively impact reliability and speed of pipe/tube joining on job sites. Multiple consensus standards have been established for Press-Connect have been established by the Industry to ensure quality product and connection security, including ASTM F 3226 and ASME B16.51. Press-Connect Plumbing Fittings also meet the requirements of NSF/ANSI/CSA 61 for drinking water system components.

### Objective(s)

NBC-OP1.1, NBC-OS1.1, NBC-OS3.2

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The change will not entail any added costs. Benefits include flameless installation, meaning no hot work and no fire-watch. Another benefit will be increased speed and ease of installation.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

Enforcement of the requested change will not require any change to the infrastructure available to enforce this change and can be accomplished without any increase in resources.

**Other Comments**

*none*

**Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1824**

CCR No.: 1824  
Title: Prescriptive ICF Design for Part 9 Structures  
Description: This request for change introduces a reference to the ICFMA Prescriptive ICF Design for Part 9 Structures in Canada 2022 for prescriptive design of flat insulating concrete form walls.  
Proponent: Douglas Bennion  
Insulating Concrete Forms Manufacturers Association  
Submitted: 2022-05-26  
Code Reference(s): NBC20 Div.B 9.4.1.1.(1)  
Standing Committee(s): Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-05-30 — Received

### 2022-06-22 — Sorted

### 2023-10-27 — Housing and Small Buildings — Analyzed

This request for change (CCR) proposes to reference the ICFMA Prescriptive ICF Design for Part 9 Structures in Canada 2020 manual as a deemed acceptable solution for designers to use for the design of structural members for Part 9 buildings.

Sentence 9.4.1.1.(1) of Division B of the NBC already includes a reference to good engineering practice as provided in CWC 2014, "Engineering Guide for Wood Frame Construction."

The objective of the ICFMA manual is to provide prescriptive tables, engineering details and ICF product information that is code compliant for buildings constructed under Part 9 of the NBC 2015. It provides code compliant information for ICF across each provincial region of Canada and contains a broad scope of residential designs that cover specific nuances of individual provincial regions.

Adding another example of a manual providing good engineering principle is not prohibited in the code. But, some Code users interpret a list of referenced documents under good engineering principle as the sole source of information that must be complied with. Not realizing that acceptable documentation is not limited to the titles listed in the code.

If the Standing Committee agrees that the list of good engineering principle should be expanded, this CCR could be developed as a minor task.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

---

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1824

Proponent: Douglas Bennion  
Insulating Concrete Forms Manufacturers Association  
Function: Building / Fire / Plumbing Official, Builder / Contractor, Designer / Architect / Engineer  
Submitted: 2022-05-26  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Clause 9.4.1.1 (1) b

### Subject

Prescriptive ICF Design for Part 9 Structures

### Problem

The existing provisions in Part 9 of the NBC provides limited prescriptive design options for flat ICF walls. The prescriptive design document requested to be referenced in the NBC by this code change proposal, would significantly increase the scope of prescriptive design of flat ICF walls for Part 9 buildings.

### Requested Change/Addition

Revise Clause 9.4.1.1 (1) b to:  
After "or" .. the ICFMA Prescriptive ICF Design for Part 9 Structures in Canada 2022 or...

### Justification/Explanation

This code change request, meant to reference the ICFMA document will significantly increase the opportunities for prescriptive design opportunities of ICF for Part 9 buildings. It will help reduce the cost by no longer requiring professional design of these buildings. The manual has engineering stamps for all of Canada.

### Objective(s)

NBC-OP, NBC-OP2, NBC-OP2.1, NBC-OP2.2, NBC-OS2, NBC-OS2.1, NBC-OS2.2

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The proposed code change will not result in any added costs but will eliminate the cost of engineered stamps. The benefits(savings) would be measurable.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

The requested code change will not require an increase in resources for enforcement. The current enforcement infrastructure will be adequate to enforce the code.

### Other Comments

The manual is available in both official languages.

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1833**

CCR No.:	1833
Title:	Reference of ASTM C1280 with Table 9.23.17.(2)-A
Description:	The CCR requests adding reference to ASTM C1280 on exterior gypsum sheathing for Part 9 buildings.
Proponent:	Michael Schmeida, MSc., LEED AP Gypsum Association
Submitted:	2022-06-28
Code Reference(s):	NBC20 Div.B Table 9.23.17.2.
Standing Committee(s):	Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-06-28 — Received

### 2022-07-06 — Sorted

### 2022-07-22 — Housing and Small Buildings — Analyzed

The proponent is requesting to reference ASTM C1280 "Standard Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing" within Table 9.23.17.2.-A. They are requesting that it be referenced through a footnote to the Table linked to the reference of ASTM C1177/C11177M "Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing".

Table 5.9.1.1. of the NBC already directly references the standard. Although ASTM C1280 is referenced within ASTM C117/1177M, it does not mean a detailed review was performed for this standard. As the reference of a standard within an approved standard may not be as detailed as the main standard, it is not uncommon for AHJs to question this method of referencing a standard.

As the standard is already referenced within the NBC, if the SC agrees, the update of Table 9.23.17.2.-A could be preformed as a minor task.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

---

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1833

Proponent: Michael Schmeida, MSc., LEED AP  
Gypsum Association  
Function: Supplier / Manufacturer  
Submitted: 2022-06-28  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 9.23.17.2.-A

### Subject

Exterior Gypsum Sheathing Standard

### Problem

The correct Standard for exterior gypsum sheathing is ASTM C1280. The reference to this standard in the NBCC is through ASTM C1177, and is widely misunderstood.

### Requested Change/Addition

Table 9.23.17.2.-A Wall Sheathing Thickness and Specifications  
Forming Part of Sentence 9.23.17.2.(1)

Gypsum sheathing  
9.5 12.7 ASTM C1177/C1177M(3) ASTM C1396/C1396M(2)

(3) ASTM C1177 requires exterior sheathing to be installed in accordance with ASTM C1280, "Standard Specification for Application of Exterior Gypsum Panel Products for Use as Sheathing"

### Justification/Explanation

The NBCC refers to ASTM C1177 for exterior gypsum sheathing. For many years, ASTM C1177 has mandated that exterior gypsum sheathing be installed as per ASTM C1280. ASTM C1280 is not currently directly referenced in Table 5.9.1.1. As a result, we receive many questions about the proper installation of gypsum sheathing. This proposal adds a new footnote (3) to Table 9.23.17.2.-A to identify ASTM C1280.

The first edition of ASTM C1280 was published in 1999. The current edition is dated 2018. ASTM C1177 has referenced ASTM C1280 for more than 10 years.

### Objective(s)

NBC-OP2.3, NBC-OS1.2, NBC-OS2.3, NBC-OS2.5

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The change aligns the NBCC with products currently being installed in Canada. There is no increase in costs.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

Will simplify enforcement by identifying a direct reference to the correct product standard.

### Other Comments

none

**Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1834**

CCR No.: 1834  
Title: Update of Article 9.29.5.2. to reference ASTM and CSA standards for multiple gypsum panel products  
Proponent: Michael Schmeida, MSc., LEED AP  
Gypsum Association  
Submitted: 2022-06-28  
Code Reference(s): NBC20 Div.B 9.29.5.2.  
Standing Committee(s): Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-06-28 — Received

### 2022-07-06 — Sorted

### 2023-04-18 — Housing and Small Buildings — Analyzed

The proponent is requesting to update Sentence 9.25.5.2.(1) to also reference gypsum standards:

- 1) ASTM C 1177/C1177M "Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing",
- 2) CAN/CSA-A82.27-M "Gypsum Board", and
- 3) ASTM C1278/C1278M "Standard Specification for Fiber-Reinforced Gypsum Panel"

ATSM C1177 is already referenced in Parts 3, 5 and 9. ASTM C1396 is already referenced in Parts 3, 5 and 9. CAN/CSA A82.27 is already referenced in Part 3. These standards would not need to be added to the reference standards table, but would not to be confirmed that they are compatible with Sentence 9.25.5.2.(1).

If the SC agrees, the CCR could be requested to be developed as an approved task.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

---

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1834

Proponent: Michael Schmeida, MSc., LEED AP  
Gypsum Association  
Function: Supplier / Manufacturer  
Submitted: 2022-06-28  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.29.5.2.

### Subject

Gypsum Panels

### Problem

The NBCC Articles referencing ASTM Standards for multiple gypsum panel products are inconsistent with one another and need to be updated. For example, ASTM C1177 has been referenced in the NBCC for many years but is missing from Article 9.29.5.2.

### Requested Change/Addition

9.29.5.2. Materials

1) Gypsum products board shall conform to

a) ASTM C 1178/C 1178M, "Coated Glass Mat Water-Resistant Gypsum Backing Panel," or  
b) ASTM C 1396/C 1396M, "Gypsum Board," except that the flame-spread rating of gypsum board shall be determined in accordance with CAN/ULC-S102, "Test for Surface Burning Characteristics of Building Materials and Assemblies."

c) ASTM C 1177/C1177M "Standard Specification for Glass Mat Gypsum Substrate for Use as Sheathing"

d) CAN/CSA-A82.27-M, "Gypsum Board,"

e) ASTM C 1658/C1658M "Standard Specification for Glass Mat Gypsum Panels", or

f) ASTM C1278/C1278M, "Standard Specification for Fiber-Reinforced Gypsum Panel"

2) The flame-spread rating of gypsum board shall be determined in accordance with CAN/ULC-S102, "Test for Surface Burning Characteristics of Building Materials and Assemblies."

### Justification/Explanation

ASTM C1177 has been referenced in multiple locations, and in Table 1.3.1.2 and Table 5.9.1.1 of the NBCC since the 2005 edition. However, it has not been specifically added to Article 9.29.5.2. As a result, some Authorities have been reluctant to permit products complying with this Standard under this section. Glass matt gypsum substrates are widely used and have always been designed to comply with ASTM C1177.

CAN/CSA A82.27 and ASTM C1396 are already referenced in multiple parts of the NBCC as well as in Appendix D.

Further, the title of this clause should align with NBC 3.1.5.13 and industry terminology. In order to clarify any confusion, this proposed change simply adds the reference to ASTM C1177 into this section and revises the title of the section for consistency with other portions of the NBCC.

### Objective(s)

NBC-OH1.2, NBC-OP2.1, NBC-OP2.3, NBC-OP2.4, NBC-OS1.2

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The change aligns the NBCC with products currently being installed in Canada.

### **Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

No impact. The change is principally an editorial update to identify the multiple gypsum core panel products being installed in Canada.

### **Other Comments**

*none*

### **Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1839**

CCR No.: 1839

Title: Reference ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board"

Description: The proponent is requesting that ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board" replace the use of CSA A82.31 in the NBC.

Proponent: Michael Schmeida, MSc., LEED AP  
Gypsum Association

Submitted: 2022-07-01

Code Reference(s): NBC20 Div.B 3.2.3.6.(5), NBC20 Div.B 9.10.9.2.(5), NBC20 Div.B 9.10.12.4.(3), NBC20 Div.B 9.10.14.5.(8), NBC20 Div.B 9.10.14.5.(12), NBC20 Div.B 9.10.15.5.(7), NBC20 Div.B 9.10.15.5.(11), NBC20 Div.B 9.29.5.1.(2), NBC20 Div.B Table 9.10.3.1.

Standing Committee(s): Fire Protection, Housing and Small Buildings

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-07-04 — Received

### 2022-07-06 — Sorted

### 2023-04-18 — Analyzed

The proponent is requesting that ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board" be referenced as an additional option where CSA A82.31-M "Gypsum Board Application" is referenced.

CSA A82.31-M has not been updated since 1991. However, ASTM C840 has been updated and the 2018 edition is referenced in provisions found in Parts 3, 5 and 9 already. The request does not exclude the reference to CSA A82.31-M, but makes ASTM C840 an additional option in Parts 3 and 9 where the CSA standard is already referenced.

If the SCs agree, this could be requested to be developed as an approved joint task.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014,

---

---

1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1839

Proponent: Michael Schmeida, MSc., LEED AP  
Gypsum Association

Function: Supplier / Manufacturer

Submitted: 2022-07-01

Type of Change: To the existing code provision

Code Reference(s): 2020 National Building Code (NBC) 3.2.3.6.(5), 9.10.9.2.(5), 9.10.12.4.(3), 9.10.14.5.(8), 9.10.14.5.(12), 9.10.15.5.(7), 9.10.15.5.(11), 9.29.5.1.(2), Table 9.10.3.1.-A

## Subject

Application & Finishing of Gypsum Products - ASTM C840 as alternative to CAN/CSA-A82.31

## Problem

Gypsum panel products have evolved significantly since the last edition of CSA A82.31 in 1991. New submittals to the NBCC have referenced ASTM C840, but the remainder of the NBCC needs to be updated to add ASTM C840 as an alternate to reflect the way in which gypsum materials are designed and installed.

## Requested Change/Addition

3.2.3.6.(5)

5) Where roof soffits project to less than 1.2 m from the centre line of a lane or public thoroughfare, or from an imaginary line between two buildings or fire compartments on the same property, they shall

a) have no openings, and

b) be protected by

i) not less than 0.38 mm thick sheet steel,

ii) unvented aluminum conforming to CAN/CGSB-93.2-M, "Prefinished Aluminum Siding, Soffits, and Fascia, for Residential Use,"

iii) not less than 12.7 mm thick gypsum soffit board or gypsum ceiling board installed according to CSA A82.31-M, "Gypsum Board Application," or ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board"

iv) not less than 11 mm thick plywood,

v) not less than 12.5 mm thick OSB or waferboard, or

vi) not less than 11 mm thick lumber.

9.10.9.2.(5)

4) Except as provided in Sentence (6), all gypsum board joints in the assemblies described in Sentences (1) and (2) shall conform to CSA A82.31-M, "Gypsum Board Application" or ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board," and penetrations in these assemblies shall be sealed using flexible sealant or tape to maintain the integrity of the smoke-tight barrier over the entire surface.

9.10.12.4.(3)

3) Protection required by Sentence (2) shall be provided by

a) noncombustible material having a minimum thickness of 0.38 mm and a melting point not below 650°C,

b) not less than 12.7 mm thick gypsum soffit board or gypsum board installed according to CSA A82.31-M, "Gypsum Board Application" or ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board,"

c) not less than 11 mm thick plywood,

d) not less than 12.5 mm thick OSB or waferboard, or

e) not less than 11 mm thick lumber.

(See Note A-9.10.12.4.(3).)

9.10.14.5.(8)

8) Where combustible projections on an exposing building face are permitted by Sentence (7), are totally enclosed and constructed with solid faces, such as for fireplaces and chimneys, and extend within 1.2 m of a property line,

a) the construction of the face and sides of the projection shall comply with the corresponding requirements for exposing building faces for limiting distances less than 1.2 m as stated in Sentence (2) or (3), and

b) where the underside of the projection is more than 0.6 m above finished ground level, it shall be protected by

i) not less than 0.38 mm thick noncombustible material,

ii) unvented aluminum conforming to CAN/CGSB-93.2-M,

"Prefinished Aluminum Siding, Soffits, and Fascia, for Residential Use,"

iii) not less than 12.7 mm thick gypsum soffit board or gypsum ceiling board installed according to CSA A82.31-M, "Gypsum Board Application" or ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board,"

iv) not less than 11 mm thick plywood,

v) not less than 12.5 mm thick OSB or waferboard, or

vi) not less than 11 mm thick lumber.

(See Note A-9.10.14.5.(8).)

#### 9.10.14.5.(12)

12) Where roof soffits project to less than 1.2 m from the property line, the centre line of a lane or public thoroughfare, or an imaginary line between two buildings or fire compartments on the same property, they shall

a) have no openings, and

b) be protected by

i) not less than 0.38 mm thick sheet steel,

ii) unvented aluminum conforming to CAN/CGSB-93.2-M, "Prefinished Aluminum Siding, Soffits, and Fascia, for Residential Use,"

iii) not less than 12.7 mm thick gypsum soffit board or gypsum ceiling board installed according to CSA A82.31-M, "Gypsum Board Application" or ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board,"

iv) not less than 11 mm thick plywood,

v) not less than 12.5 mm thick OSB or waferboard, or

vi) not less than 11 mm thick lumber.

(See Note A-3.2.3.6.(2).)

#### 9.10.15.5.(7)

7) Where combustible projections on an exposing building face are permitted by Sentence (6), are totally enclosed and constructed with solid faces, such as for fireplaces and chimneys, and extend within 1.2 m of a property line,

a) the construction of the face and sides of the projection shall comply with the corresponding requirements for exposing building faces for limiting distances less than 1.2 m as stated in Sentence (2) or (3), and

b) where the underside of the projection is more than 0.6 m above finished ground level, it shall be protected by

i) not less than 0.38 mm thick noncombustible material,

ii) unvented aluminum conforming to CAN/CGSB-93.2-M, "Prefinished Aluminum Siding, Soffits, and Fascia, for Residential Use,"

iii) not less than 12.7 mm thick gypsum soffit board or gypsum ceiling board installed according to CSA A82.31-M, "Gypsum Board Application" or ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board,"

iv) not less than 11 mm thick plywood,

v) not less than 12.5 mm thick OSB or waferboard, or

vi) not less than 11 mm thick lumber.

(See Note A-9.10.14.5.(8).)

#### 9.10.15.5.(11)

11) Where roof soffits project to less than 1.2 m from the property line, the centre line of a lane or public thoroughfare, or an imaginary line between two buildings or fire compartments on the same property, they shall

- a) have no openings, and
  - b) be protected by
    - i) not less than 0.38 mm thick sheet steel,
    - ii) unvented aluminum conforming to CAN/CGSB-93.2-M, "Prefinished Aluminum Siding, Soffits, and Fascia, for Residential Use,"
    - iii) not less than 12.7 mm thick gypsum soffit board or gypsum ceiling board installed according to CSA A82.31-M, "Gypsum Board Application" or ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board,"
    - iv) not less than 11 mm thick plywood,
    - v) not less than 12.5 mm thick OSB or waferboard, or
    - vi) not less than 11 mm thick lumber.
- (See Note A-3.2.3.6.(2).)

#### 9.29.5.1.(2)

2) Except as provided in Sentence (3), gypsum board applications not described in this Subsection shall conform to CSA A82.31-M, "Gypsum Board Application" or ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board."

3) The application of gypsum board to flat insulating concrete form (ICF) walls shall conform to ASTM C840, "Standard Specification for Application and Finishing of Gypsum Board." (See Note A-9.29.5.1.(3).)

#### Table 9.10.3.1-A Footnote (4)

(4) Sound ratings listed are based on the most reliable laboratory test data available for specimens conforming to installation details required by CSA A82.31-M, "Gypsum Board Application." or ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board." Results of specific tests may differ slightly because of measurement precision and minor variations in construction details. These results should only be used where the actual construction details, including spacing of fasteners and supporting framing, correspond exactly to the details of the test specimens on which the ratings are based. For wood- and steel-framed assemblies, if the fasteners are spaced less than 300 mm o.c., subtract 1 from the sound transmission class value; if the fasteners are spaced less than 200 mm o.c., subtract 2 from the sound transmission class value. Narrower fastener spacing is not detrimental to the fire-resistance rating. Assemblies with sound transmission class ratings of 50 or more require methods to minimize airborne sound transmission at electrical boxes and other openings, and at the junction of intersecting walls and floors, except intersection of walls constructed of concrete or solid masonry units where the masonry joints at the intersection are mortared.

### Justification/Explanation

This proposal introduces ASTM C840 "Standard Specification for Application and Finishing of Gypsum Board" into the NBCC as an alternate to CSA A82.31. The latest edition of CSA 82.31 is dated 1991, so this standard has not been actively updated in 30 years. Because products have evolved significantly since that time, this proposal as ASTM C840 as an additional option, so that the Code reflects the way in which gypsum materials are designed and installed in Part 9 buildings. ASTM C840 is already reference in Parts 3, 5 and 9 of the 2020 NBC.

CSA A82.31-1991 was based on ASTM C840-79. The NBCC currently references the 2018b version of ASTM C840. Since 1990, there have been 22 editions of the ASTM C840 Standard published, while the CSA A82.31 standard has not been updated at all to reflect new products and the research conducted. For example, the ASTM C840 now includes additional or new information on unheated spaces above ceilings, information on spray-applied textures, updated information on adhesives and fasteners in ceilings, studless or semi-studless partitions, etc., none of which are current in CSA A82.31.

**Objective(s)**

NBC-OH1.1, NBC-OH1.2, NBC-OP1.2, NBC-OP3.1, NBC-OS1.2

**Impact Analysis**

*Will the change entail any added costs? Will it provide benefits that are measurable?*

This change will improve installation and product performance in buildings.

**Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

No additional enforcement resources are required. It is added as an option, and addresses many of the current enforcement challenges that arise due to conflicting or lacking information in CSA A82.31 reference.

**Other Comments**

*none*

**Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1856**

CCR No.: 1856  
Title: Installation of Smoke Dampers and Location of Smoke Detector Actuating Devices  
Description: This request for change clarifies the installation of smoke dampers for air-transfer opening and duct system to actuate a smoke or combination smoke/fire damper in a fire separation.  
Proponent: Ark Tsisserev  
AES Engineering  
Submitted: 2022-09-10  
Code Reference(s): NBC20 Div.B 3.1.8.11.(3)  
Standing Committee(s): Fire Protection

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-09-12 — Received

### 2022-09-14 — Sorted

### 2022-09-29 — Fire Protection — Analyzed

Sentence 3.1.8.11.(3) of Division B of the National Building Code (NBC 2020) set the installation of smoke detectors for air-transfer opening and duct system applications when actuating a smoke damper or combination smoke/fire damper in a fire separation.

Clause 3.1.8.11.(3)(a) states that a smoke detector is required on both sides of the air-transfer opening and Clause (b) in the duct downstream of the proposed damper. The provision also states a minimum horizontal distance of 1.5 m of the duct or air-transfer opening in the fire separation.

Additionally, the location of the smoke detector(s) refers to the CAN/ULC-S524, *Standard for Installation of Fire Alarm Systems*. However, reading the standard does not add anything to the installation of smoke detectors other than when located in a duct, where specific installation and design requirements need to be accounted for in the selection of the smoke detectors.

The intent of the provision is to prevent the smoke (from a ducting system) to fill the air plenum. This justify the installation of a smoke detector downstream of the proposed smoke or combination smoke/fire damper. In the case of an air-transfer opening, such possibility is increased because the smoke could come from either side of the fire separation, therefore, justifying a smoke damper on both sides of the air-transfer opening.

It is not clear whether there is a problem with the current provision.

The request seems implying that the reference to adjacent smoke detectors should apply on each side of the air-transfer opening or downstream of the duct system. In other words, two smoke detectors, adjacent to each other, would be required per side.

In its analysis, the standing committee should consider the relevance of referencing the CAN/ULC-S524 standard and potential application in the context of Sentence 3.1.8.11.(3) as there is no requirement found in the standard relating to the application of the code provision.

Additionally, there is a need to potentially clarify whether adjacent smoke detectors should apply per side of the air-transfer opening or ducting system.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical**

---

**development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1856

Proponent: Ark Tsisserev  
 AES Engineering  
 Function: Designer / Architect / Engineer  
 Submitted: 2022-09-10  
 Type of Change: To the existing code provision  
 Code Reference(s): 2020 National Building Code (NBC) 3.1.8.11.

### Subject

To clarify the current requirement

### Problem

This issue was discussed with the NRC technical advisor 6 years ago, and he mentioned to me that Sentence 3.1.8.11.(3) will be revised – to require one or two adjacent smoke detectors at the air transfer opening conditional to the criteria indicated in ULC S524 (i.e., depending on whether the permanently closed portion of the transfer opening exceeds 600 mm or not), and indicated that the objective of the NBC requirement – to be consistent with the ULC S524 diagram).

Sentence 3.1.8.11.(3) states the following:

“3) Except as required by a smoke control system, smoke dampers and combination smoke/fire dampers shall be configured so as to close automatically upon a signal from an adjacent smoke detector located as described in

CAN/ULC-S524, “Installation of Fire Alarm Systems,” within 1.5 m horizontally of the duct or air-transfer opening

in the fire separation

a) on both sides of the air-transfer opening, or

b) in the duct downstream of the smoke damper or combination smoke/fire damper.”

It means that a single smoke detector would be sufficient, unless the damper does not cover the entire area of the duct, and there is a solid obstruction (similar to bulkhead shown in the ULC S524 diagram on page 109 of the attached standard and below, when such bulkhead exceeds 600 mm, and when a smoke detector on each side would be required for reliability of operation).

However, paragraph (3)(a) above appears to continue require a smoke detector on each side of the opening, disregarding conditions listed by the ULC S524, and this creates the problem for the Code users involved in installation of smoke detectors – to automatically control smoke damper operation, and the designers and regulators are not consistent in application of this NBC requirement.

### Requested Change/Addition

“3) Except as required by a smoke control system, smoke dampers and combination smoke/fire dampers shall be configured so as to close automatically upon a signal from adjacent smoke detectors, each located on the opposite side of the air-transfer opening as described in CAN/ULC-S524, “Installation of Fire Alarm Systems,” within 1.5 m horizontally of the duct or air-transfer opening in the fire separation, or in the duct downstream of the smoke damper or combination smoke/fire damper”.

### Justification/Explanation

Current wording of Sentence 3.1.8.11.(3) invokes ULC S524 for installation of smoke detectors. However, and Figures A10.4-1 - A10.4.5 of ULC S524 indicate that a smoke detector could be installed on the either side of air transfer opening in the fire separation (and not necessarily on both sides), depending on the specific conditions). Thus, the current text of Sentence (3) by stating “upon a signal from an adjacent smoke detector”, creates confusion.

The proposed change will clarify the wording of this requirement and will help in application of this requirement consistently across the country.

### **Objective(s)**

NBC-OP1, NBC-OP1.4, NBC-OS1, NBC-OS1.4, NFC-OS1, NFC-OS1.4, NPC-OS1, NPC-OS1.4

### **Impact Analysis**

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The change will not entail any added costs. However, it will provide clarification which will result in measurable benefits to the Code users - by improving consistency and fire safety.

### **Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

Requested change will be enforced by the infrastructure available to enforce this Code. Consistency of enforcement will improve without an increase in resources.

### **Other Comments**

No other Code requirements will be impacted.

### **Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1861**

CCR No.: 1861  
Title: Inspection of Firestops  
Description: This request for change introduces the ASTM E2174, "Standard for the On-Site Inspection of Installed Penetration Firestops" and ASTM E2393, "Standard for the On-Site Inspection of Fire-Resistive Joint Systems" for the inspection of firestops.  
Proponent: William J McHugh  
Firestop Contractors International Association  
Submitted: 2022-10-04  
Code Reference(s): NFC20 Div.B 2.2.  
Standing Committee(s): Fire Protection  
Related Code Change Request(s):

- CCR 1863 - Inspection of Firestops
- CCR 1865 - Installation and Inspection of Materials Requiring Fire-Resistance Rating

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-10-05 — Received

### 2022-10-12 — Sorted

### 2023-11-03 — Fire Protection — Analyzed

This request for change (CCR) introduces a requirement to inspect firestops after installation on-site in conformance with two ASTM standards:

- E2174, "Standard for the On-Site Inspection of Installed Penetration Firestops"
- E2393, "Standard for the On-Site Inspection of Fire-Resistive Joint Systems"

Currently, there is no such requirement in the NBC nor in the NFC.

Part 2 of Division B of the NFC applies to "... the safety of the occupants in existing buildings, the elimination or control of fire hazards in and around buildings, [the installation and maintenance of certain life safety systems in buildings](#), the installation and maintenance of posted signs and information, and ..."

As such, if the Standing Committee agree, this CCR could be develop as a minor task by introducing a new Subsection 2.2.4. in the NFC.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

---

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1861

Proponent: William J McHugh  
 Firestop Contractors International Association  
 Function: Other, Other (Trade Association Executive)  
 Submitted: 2022-10-04  
 Type of Change: To the existing code provision  
 Code Reference(s): 2020 National Building Code (NBC) 3.1.9.1

### Subject

Firestops and inspection

### Problem

Firestops are not always installed in accordance with the manufacturers installation instructions and the tested and listed system.

### Requested Change/Addition

3.1.9.1(X) Inspection of Firestops

1) Every Firestop used in a required fire separation shall be inspected in conformance with ASTM E2174, Standard for the On-Site Inspection of Installed Penetration Firestops, and ASTM E2393, Standard for the On-Site Inspection of Fire-Resistive Joint Systems.

See Note A-3.1.9.2

### Justification/Explanation

Firestop systems are complex details that coupled with manufacturers installation instructions, resulting in restored continuity to a fire separation. When compromised, these breaches in fire separations cause egress occupant issues, possibly deeming the area uninhabitable during an evacuation.

Firestop products can be bought at retail stores, distributors, director from manufacturers, and look simple to install by anyone. Installation instructions do not possess the tested systems details nor do the retail stores where products can be purchased. As a result of not being able to educate all purchasers, firestops are not always installed correctly.

Two standards, ASTM E2174 and ASTM E2393, were designed to verify that penetration, joint and perimeter fire containment (firestop) installations are in conformance with the manufacturers installation instructions and the tested firestop system.

The result of proper installation and verification of installation is a firestop that performs as the manufacturer tested, when called upon by fire. This concept is similar in scope to what is found in NFPA 13 Sprinkler Systems.

We urge the Standing Committee on Fire Protection to approve this code change.

### Objective(s)

NBC-OP1, NBC-OP1.2, NBC-OS1.2, NBC-OS1.5

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

This change will increase costs. The result of the inspection is that the building owner and managers - building occupants will be protected as is required by the firestops described in NBCC's Section 3.1.9.1.

**Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

The ASTM E2174 and ASTM E2393 Standards use 3rd party independent inspection agencies to inspect firestops and report back to the Authority Having Jurisdiction, building owner and contractors a final report. There is a supply of these inspection agencies throughout Canada.

**Other Comments**

*none*

**Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1862**

CCR No.: 1862  
Title: Standard for Fibre-Reinforced Polymers  
Description: This code change request references CSA S807-2019, "Specification for fibre-reinforced polymers" for specifications of FRP reinforcement used in concrete.  
Proponent: Brahim Benmokrane  
Université de Sherbrooke  
Submitted: 2022-10-04  
Code Reference(s): NBC20 Div.B 4.3.3.1.  
Standing Committee(s): Structural Design  
Related Code Change Request(s): • CCR 1534 - Structural Design Requirements & Application Limitations

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

**2022-10-05 — Received**

**2022-10-12 — Sorted**

**2023-11-03 — Structural Design — Analyzed**

According to the CSA, the material properties and the manufacturing requirements of fibre-reinforced polymer (FRP) bars or bars that are part of a grid for use in non-prestressed internal reinforcement of concrete components of structures should be in accordance with the CSA S807, "Specification for fibre-reinforced polymers."

#### Scope

- 1.1 This Standard covers the material properties and the manufacturing requirements of fibre-reinforced polymer (FRP) bars or bars that are part of a grid for use in non-prestressed internal reinforcement of concrete components of structures (e.g., bridges, buildings, and marine structures).
- 1.2 This Standard covers FRPs that comprise
  - a) E-CR glass, carbon, aramid, or basalt fibres; and
  - b) isophthalic polyester, vinylester, or epoxy resins.
- 1.3 This Standard covers FRP bars having nominally solid circular or rectangular cross-section.
- 1.4 This Standard does not include FRP bars made of more than one type of fibre.
- 1.5 In this Standard, FRPs are classified on the basis of their fibres, strength, modulus, and durability.

Currently, the NBC refers to the CSA-G30, "Carbon steel bars for concrete reinforcement" standard in Sentence 9.3.1.1.(4) of Division B as an option to concrete and reinforcing for flat insulating concrete form walls not exceeding 2 storeys in building height and having a maximum floor to floor height of 3 m, in buildings of light-frame construction.

Part 4 under Article 4.3.3.1. require buildings and their structural members made of plain, reinforced and pre-stressed concrete to conform to CSA A23.3, "Design of concrete structures." As such, there is no requirement addressing the specific characteristics of FRP bars in concrete components.

The proponent has submitted another CCR, 1534, that introduces the CSA S806, "Design and construction of building structures with fibre-reinforced polymers" as an acceptable solution to use FRP bars for concrete components.

If the Standing Committee (SC) agree, this CCR could be developed and potentially involved the participation of the SC on Housing and Small Buildings in cross-committee activities to harmonize the requirements for FRP in both Parts 4 and 9.

### **2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed**

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

- **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

## Code Change Request 1862

Proponent: Brahim Benmokrane  
 Université de Sherbrooke  
 Function: Designer / Architect / Engineer  
 Submitted: 2022-10-04  
 Type of Change: To the existing code provision  
 Code Reference(s): 2020 National Building Code (NBC) 4.3.3.1. Table 1.3.1.2.

### Subject

4.3.3.1. Design Basis for Plain, Reinforced and Pre-stressed Concrete Table 1.3.1.2. Documents Referenced in the National Building Code of Canada

### Problem

According to the Canadian Standards Association (CSA), the material properties and the manufacturing requirements of fibre-reinforced polymer (FRP) bars or bars that are part of a grid for use in non-prestressed internal reinforcement of concrete components of structures are to be in accordance with the CSA S807. The CSA S807 provides requirements for geometric, material, mechanical, and physical properties for quality control and assurance and certification of production lots of FRP bars to ensure the short- and long-term integrity of the reinforcement. Due to inherent differences between FRP and conventional steel reinforcement, the steel reinforcement characteristics based on CSA G30.18 are not applicable to FRP reinforcement. Therefore, it is essential to specify clearly in the NBC that the specification of FRP bars as internal reinforcement should be according to CSA S807.

This request is to be read in conjunction with a previous request by the proponent (ID 1534).

### Requested Change/Addition

4.3.3.1.(2) FRP internal reinforcement shall conform to CSA S807-19, "Specification for fibre-reinforced polymers."

Table 1.3.1.2.

CSA S807-19 - Specification for fibre-reinforced polymers 4.3.3.1.(2)

### Justification/Explanation

The design principle of fiber-reinforced polymer (FRP) reinforcing composite bars for concrete structures has been well established through extensive research and field practices. Provisions governing certification testing and evaluation, as well as quality control/assessment and FRP design provisions, are now in place to regulate materials specifications and design aspects and guide FRP manufacturers and end-users. The Canadian Standards Association has issued a design standard for building structures reinforced with FRP bars (CSA S806) and a specification for FRP reinforcing material (CSA S807) to regulate the manufacturing process and quality and durability of the material.

A previous request has been submitted and is under process (ID 1534) to refer to the CSA S806 as the base for the structural design for concrete elements reinforced with FRP bars. This is a supplement to the original request to further add that the specification of FRP reinforcing bars shall be in accordance with the CSA S807. This is crucial to warrant the use of the proper material specification by following the CSA S807 requirements. Therefore, it is vital that NBC refers to the CSA S807 Standard in the case of the design of buildings using FRP.

### Objective(s)

NBC-OS2, NBC-OS2.3

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The suggested change has no added costs to end-users. The proposed modification aims at guiding engineers and end-user consider, where appropriate, the use of FRP as an alternative to that of other traditional building construction materials. The use of FRP can eliminate the problem of steel corrosion and the associated damage to building structures. This a measurable and scientifically/empirically proven fact.

### **Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

Yes, the requested changes can be enforced by the infrastructure available to implement this Code and its enforcement does not require increase in resources.

### **Other Comments**

None.

### **Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1863**

CCR No.: 1863  
Title: Inspection of Firestops  
Description: This request for change expands on the explanatory Note A-3.1.8.3.(2) to ensure the continuity of fire separation.  
Proponent: William J McHugh  
Firestop Contractors International Association  
Submitted: 2022-10-06  
Code Reference(s): NBC20 Div.B A-3.1.8.3.(2)  
Standing Committee(s): Fire Protection  
Related Code Change Request(s):

- CCR 1861 - Inspection of Firestops
- CCR 1865 - Installation and Inspection of Materials Requiring Fire-Resistance Rating

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2022-10-07 — Received

### 2022-10-12 — Sorted

### 2023-11-03 — Fire Protection — Analyzed

This request for change (CCR) is similar to CCR 1861 as it is about the importance of inspecting the installation of firestops.

The main difference is that this CCR expands on the explanatory Note A-3.1.8.3.(2) of Division B of the NBC about the continuity of the fire separation while CCR 1861 introduces two ASTM standards for the inspection of on-site installation of firestops.

The proposal also refers to the ULC Qualified Firestop Contractor Program (CCR 1860) and both ASTM E2174, "Standard for the On-Site Inspection of Installed Firestop Systems" and ASTM E2393, "Standard for On-Site Inspection of Installed Fire-Resistive Joint Systems" (CCR 1861).

If the Standing Committee agree, this CCR should be developed together with CCR 1861.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144,

---

2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1863

Proponent: William J McHugh  
Firestop Contractors International Association  
Function: Other, Other (Trade Association Executivev)  
Submitted: 2022-10-06  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) A-3.1.8.3.(2) Fire Separation Continuity

### Subject

Adds installation and inspection standards to this appendix.

### Problem

Firestops are not always installed in accordance with the tested system and manufacturers instructions causing a risk that fire and smoke can spread outside the room of fire origin.

This is partially because there is no section that describes the firestop installation in the appendix, section A-3.1.8.3. It is also because it seems everyone thinks they can install firestop because the products look easy to install. It is not easy, nor are the complex tested and listed systems.

### Requested Change/Addition

Firestopping installations, including penetration firestop systems and joint firestop systems, must be in conformance with the manufacturers installation instructions and the tested firestop system. The tested firestop systems are complex with very specific limitations. The ULC Qualified Firestop Contractor Program, FM 4991, Standard for the Approval of Firestop Contractors and manufacturer education, provides firestop installation contractors that organize their policies and procedures to result in installations that comply with these tested firestop systems and manufacturers instructions. Inspection by an independent third party in accordance with ASTM E2174, Standard for the On-Site Inspection of Installed Firestop Systems and ASTM E2393, Standard for On-Site Inspection of Installed Fire-Resistive Joint Systems, and contractor programs from ULC, FM Approvals with manufacturer education, provides a needed quality control program resulting in installations that are to conform to CAN/ULC-S115.

### Justification/Explanation

Firestops provide protection of building occupants through sealing and protecting breaches made for penetrating items and joints, voids, in fire separations. These firestops work in conjunction with fire-dampers, fire rated glazing, and fire doors, to provide continuity to fire separations.

Firestop installation is a very technical operation – more technical than most construction installations. It is due to this very technical nature of firestops, that FCIA has received reports that firestops are installed improperly at an alarming rate.

Firestop systems have to be installed in accordance with the tested and listed system and the manufacturers installation instructions. This sounds easy. However, once the listings are reviewed, it is quickly found that this is more than installing fire sealant around a pipe.

It takes a trained, qualified contractor company that communicates procedures needed to install firestops in accordance with the manufacturers instructions and the tested and listed systems. ULC and FM audits these procedures at the contractor company office and at a project site to assure their management system is working.

The ULC Qualified Firestop Contractor and FM 4991, Standard for the Approval of Firestop Contractors is needed to provide a safe building, where firestops have to be installed. The manufacturers programs Not

having a ULC Qualified Firestop Contractor or FM 4991 Approved Firestop – with inspection in accordance with ASTM E2174 and ASTM E2393, results in a potentially unsafe building. As such, the NBCC 2025 Appendix should reference these standards for installation and inspection so the designer can communicate these requirements in specifications.

**Objective(s)**

NBC-OP1.2, NBC-OP1.3, NBC-OS1.2, NBC-OS1.3

**Impact Analysis**

*Will the change entail any added costs? Will it provide benefits that are measurable?*

Due to this being added to the non-mandatory appendix, it will not cause increased costs.

**Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

Due to this being in the non-mandatory appendix, it will not cause enforcement implications.

**Other Comments**

*none*

**Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1907**

CCR No.: 1907  
Title: Introduce ASTM D8257 for Synthetic Underlayment  
Description: This request for change introduces a new standard ASTM D8257, "Standard Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing" for synthetic underlayments.  
Proponent: Greg Keeler  
Owens Corning Roofing and Asphalt, LLC  
Submitted: 2023-01-05  
Code Reference(s): NBC20 Div.B Table 5.9.1.1.  
Standing Committee(s): Environmental Separation, Housing and Small Buildings  
Related Code Change Request(s):

- CCR 1908 - Underlay Required Beneath Shingles
- CCR 2168 - Underlay Required Beneath Shingles

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-01-09 — Received

### 2023-01-19 — Sorted

### 2023-10-23 — Environmental Separation — Analyzed

The proponent states that the proposed ASTM D8257, "Standard Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing" is the only consensus-based standard applying specifically to synthetic underlayments, which would provide better performance than currently referenced CSA-A123.3, "Asphalt Saturated Organic Roofing Felt" standard (re. Tables 5.9.1.1. and 9.26.2.1.-B of Division B of the NHBC).

The reference in Article 5.9.1. states that materials and components, and their installation, must conform to the requirements of the applicable standards listed in a table. A similar reference in Sentence 9.26.2.1.(2) talks about roofing materials.

As such, adding another standard that is more specific to an application would likely benefit Code users.

If the Standing Committee (SC) agree, the proposed standard should be submitted to a thorough review by both the SCs on Environmental Separation and Housing and Small Buildings.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

---

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1907

Proponent: Greg Keeler  
Owens Corning Roofing and Asphalt, LLC  
Function: Supplier / Manufacturer  
Submitted: 2023-01-05  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC)

### Subject

Table 1.3.1.2

### Problem

This proposal adds ASTM D8257, the only consensus standard that applies specifically to synthetic underlayments. This will strengthen the code by requiring performance of synthetic underlayments that is more applicable to that category of product than use of CSA A123.3, which is intended to evaluate performance of felt underlayments.

### Requested Change/Addition

This proposal relates to a Table, the formatting of which won't transfer to this text box. Please see the attached.

### Justification/Explanation

This proposal adds ASTM D8257, the only consensus standard that applies specifically to synthetic underlayments. This will strengthen the code by requiring performance of synthetic underlayments that is more applicable to that category of product than use of CSA A123.3, which is intended to evaluate performance of felt underlayments.

### Objective(s)

NBC-OH1.3

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

This proposal will not add to the cost of construction. It will not require use of synthetic underlayments, but rather strengthens the performance requirements of synthetic underlayments that are used.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

There will be no additional enforcement implications as a result of this proposal.

### Other Comments

ASTM D8257 was developed using a consensus process that involved manufacturers, architects and engineers, test labs, roof consultants, roofing contractors and their associations, and general interest member. Thus, the requirements therein were carefully deliberated and determined to serve the best interests of building owners.

### Attached Supporting Material

- Please find a link below to the above ASTM Standard. The password for access is D8257. Please let me

know if you have difficulty opening, or need electronic copies of the Standard for the committee members. Standard Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing (4).pdf

- ccr\_1907\_-\_9.26.6.pdf

#### 9.26.6. Underlay beneath Shingles

##### 9.26.6.1. Materials

1) Except as required in Sentence (2), ~~when~~ underlay is required ~~used~~ beneath shingles, ~~it~~ and shall be one of the following:

- a) asphalt-saturated sheathing paper weighing not less than 0.195 kg/m<sup>2</sup>, or
  - b) No. 15 plain or perforated asphalt-saturated felt ~~complying with CSA A123.3, or~~
  - c) Synthetic underlayment complying with ASTM D8257
  - d) Self-adhering polymer modified underlayment complying with CSA A123.22
- 2) Underlay used beneath wood shingles shall be breather type.

**Table 1.3.1.2**  
**Documents Referenced in the National Building Code of Canada 2020<sup>(1)(2)</sup>**  
 Forming Part of Sentence 1.3.1.2.(1)

Issuing Agency	Document Number <sup>(3)</sup>	Title of Document	Code Reference
<u>ASTM</u>	<u>D8257-20</u>	<u>Standard Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing</u>	<u>9.26.6.1-B</u>

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1908**

CCR No.: 1908  
Title: Underlay Required Beneath Shingles  
Description: This request for change requires underlay beneath shingles and introduces a new standard ASTM D8257, "Standard Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing" for synthetic underlayment.  
Proponent: Greg Keeler  
Owens Corning Roofing and Asphalt, LLC  
Submitted: 2023-01-05  
Code Reference(s): NBC20 Div.B 9.26.6.1.  
Standing Committee(s): Environmental Separation, Housing and Small Buildings  
Related Code Change Request(s):

- CCR 1907 - Introduce ASTM D8257 for Synthetic Underlayment
- CCR 2168 - Underlay Required Beneath Shingles

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-01-09 — Received

### 2023-05-24 — Hazardous Materials and Activities — Sorted

### 2023-10-23 — Housing and Small Buildings — Analyzed

The proponent states that the proposed ASTM D8257, "Standard Specification for Mechanically Attached Polymeric Roof Underlayment Used in Steep Slope Roofing" is the only consensus-based standard applying specifically to synthetic underlayments, which would provide better performance than currently referenced CSA-A123.3, "Asphalt Saturated Organic Roofing Felt" standard (re. Tables 5.9.1.1. and 9.26.2.1.-B of Division B of the NHBC).

The reference in Article 5.9.1. states that materials and components, and their installation, must conform to the requirements of the applicable standards listed in a table. A similar reference in Sentence 9.26.2.1.(2) talks about roofing materials.

Additionally, Subsection 9.26.6. deals with underlay beneath shingles.

As such, adding another standard that is more specific to an application would likely benefit Code users.

If the Standing Committee (SC) agree, the proposed standard should be submitted to a thorough review by both the SCs on Environmental Separation and Housing and Small Buildings.

### 2024-03-28 — Canadian Board for Harmonized Construction Codes — Reviewed — Decision: Develop

At its meeting on March 28, 2024, the CBHCC recommended that CCR 1908 be considered in future work planning.

---

## Code Change Request 1908

Proponent: Greg Keeler  
Owens Corning Roofing and Asphalt, LLC  
Function: Supplier / Manufacturer  
Submitted: 2023-01-05  
Type of Change: Add a new code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.26.6

### Subject

Underlay beneath Shingles

### Problem

The code currently doesn't require underlayment to be installed under asphalt shingles. With climate change scientists predicting more severe weather events in the future, installation of underlayment provides a second layer of protection against water intrusion into a building. Furthermore, nearly all asphalt shingles require installation of underlayment under them in order to achieve Class A fire resistance. Additionally, this proposal adds verbiage that stipulates to what standards the underlayment shall comply, which is critical.

### Requested Change/Addition

9.26.6. Underlay beneath Shingles

9.26.6.1. Materials

1) Except as required in Sentence (2), underlay is required beneath shingles, and shall be one of the following:

- a) asphalt-saturated sheathing paper weighing not less than 0.195 kg/m<sup>2</sup>, or
- b) No. 15 plain or perforated asphalt-saturated felt. complying with CSA A123.3, or
- c) Synthetic underlayment complying with ASTM D8257, or
- d) Self-adhering polymer modified underlayment complying with CSA A123.22

2) Underlay used beneath wood shingles shall be breather type.

### Justification/Explanation

The code currently doesn't require underlayment to be installed under asphalt shingles. With climate change scientists predicting more severe weather events in the future, installation of underlayment provides a second layer of protection against water intrusion into a building. Furthermore, nearly all asphalt shingles require installation of underlayment under them in order to achieve Class A fire resistance. Additionally, this proposal adds verbiage that stipulates to what standards the underlayment shall comply, which is critical.

### Objective(s)

NBC-OH1.3

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

This proposal will not add to the cost of construction. It will not require use of synthetic underlayments, but rather strengthen the performance requirements of synthetic underlayments that are used.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

There will be no additional enforcement implications as a result of this proposal. All of the listed types of underlayments are already in use.

### **Other Comments**

This proposal will clarify underlayment requirements and make them mandatory. Furthermore, ASTM D8257 was developed using a consensus process that involved manufacturers, architects and engineers, test labs, roof consultants, roofing contractors and their associations, and general interest member. Thus, the requirements therein were carefully deliberated and determined to serve the best interests of building owners.

### **Attached Supporting Material**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1979**

CCR No.: 1979  
Title: Add Reference to NFPA 105 in the NFC  
Description: The CCR requests adding reference to NFPA 105, "Standard for Smoke Door Assemblies and Other Opening Protectives" for for the inspection and testing of smoke dampers.  
Proponent: Philippe Léveillé  
Pageau Morel inc.  
Submitted: 2023-02-13  
Code Reference(s): NFC20 Div.B 2.2.2.4.  
Standing Committee(s): Fire Protection

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-02-14 — Received

### 2023-02-17 — Sorted

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340
- **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807,

---

1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777,  
1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468,  
1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Translated Code Change Request 1979

Proponent: Philippe Léveillé  
Pageau Morel inc.  
Function: Designer / Architect / Engineer  
Submitted: 2023-02-13  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Fire Code (NFC) 2.2.2.4.

### Subject

Closures - Inspection and Maintenance

### Problem

Procedures for the inspection and testing of smoke dampers are found in NFPA 105, "Standard for Smoke Door Assemblies and Other Opening Protectives." This standard is not incorporated by reference in the NFC.

### Requested Change/Addition

Add NFPA 105-2013 to Table 1.3.1.2.

Change Sentence 2.2.2.4.(5):

5) *Fire dampers*, smoke dampers, combination smoke/*fire dampers* and *fire stop flaps* shall be

a) inspected at intervals not greater than 12 months to ensure that they are in place and not obviously damaged or obstructed, and

b) tested in accordance with NFPA 80, "Standard for Fire Doors and Other Opening Protectives."

By adding new Sentence 2.2.2.4.(6):

6) Smoke dampers and combination smoke/*fire dampers* shall be:

a) inspected at intervals not greater than 12 months to ensure that they are in place and not obviously damaged or obstructed, and

b) tested in accordance with NFPA 105, "Standard for Smoke Door Assemblies and Other Opening Protectives."

### Justification/Explanation

The testing requirements for smoke dampers are not detailed in NFPA 80.

The testing requirements for combination smoke/*fire dampers* are found in both NFPA 80 and NFPA 105.

### Objective(s)

NFC-OP1, NFC-OS1

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

No additional costs.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

No enforcement implications.

**Other Comments**

No other Code changes are required. The proposed change is consistent with the NBC 2020 provisions regarding referenced standards for closures.

**Attached Supporting Material**

*none*

## Original Code Change Request 1979

Proposant : Philippe Léveillé  
Pageau Morel inc.  
Poste : Concepteur, architecte ou ingénieur  
Envoyée : 2023-02-13  
Type de modification : Modification à une disposition existante  
Renvoi(s) au code : 2020 Code national de prévention des incendies (CNPI) 2.2.2.4.

### Sujet

Dispositifs d'obturation - Inspection et entretien

### Problème

Les procédures d'inspection et d'essai des registres de contrôle de la fumée se retrouvent dans la norme NFPA 105. Cette norme n'est pas incorporée par renvoi au CNPI.

### Modification ou ajout proposé

Ajouter la norme NFPA 105-2013 au tableau 1.3.1.2.

Modifier le paragraphe 2.2.2.4. 5)

Les registres coupe-feu, les registres coupe-feu/registres de contrôle de la fumée combinés et les clapets coupe-feu doivent être :

- a) inspectés à intervalles d'au plus 12 mois pour s'assurer qu'ils sont en place et ne sont pas endommagés ou obstrués; et
- b) soumis à l'essai conformément à la norme NFPA 80, « Standard for Fire Doors and Other Opening Protectives ».

Ajouter un nouveau paragraphe 2.2.2.4. 6)

Les registres de contrôle de la fumée et les registres coupe-feu/registres de contrôle de la fumée combinés doivent être :

- a) inspectés à intervalles d'au plus 12 mois pour s'assurer qu'ils sont en place et ne sont pas endommagés ou obstrués; et
- b) soumis à l'essai conformément à la norme NFPA 105, « Standard for Smoke Door Assemblies and Other Opening Protectives ».

### Justification ou explication

Les exigences d'essais des registres de fumée ne sont pas détaillées dans la norme NFPA 80.

Les exigences d'essais des registres coupe-feu/registres de contrôle de la fumée combinés se retrouvent à la fois dans la norme NFPA 80 et dans la norme NFPA 105.

### Objectifs

CNPI-OP1, CNPI-OS1

### Analyse des répercussions

*La modification entraînera-t-elle des coûts supplémentaires? Des avantages financiers en découleront-ils?*

Aucun coût supplémentaire.

### Incidences en matière d'application

*Les organismes chargés de l'application de ce code sont-ils en mesure de veiller à l'application de la modification demandée ou leur faudra-t-il augmenter leurs ressources?*

Aucune répercussion sur la mise en application.

### **Autres observations**

Aucune autre modification aux codes n'est requise. La modification proposée concorde avec les dispositions du CNB 2020 quant aux normes incorporées par renvoi relatives aux dispositifs d'obturation.

### **Documents justificatifs**

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 1983**

CCR No.: 1983  
Title: Substituting conventional solid fuel fireplaces with Masonry Heaters  
Description: Masonry heaters are more efficient than traditional fireplaces and wood stoves, therefore they should be used to address environmental and energy performance concerns and to provide additional heating options.  
Proponent: Allison M DenToom, P.Eng., P.E.  
Engineers and Geoscientists BC  
Submitted: 2023-02-24  
Code Reference(s): NBC20 Div.B 9.22.1.1.(1)  
Standing Committee(s): HVAC and Plumbing, Housing and Small Buildings  
Related Code Change Request(s): • CCR 1984 - Addition of the defined term - Masonry heater

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

**2023-02-27 — Received**

**2023-03-02 — Received**

**2023-03-15 — Sorted**

**2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed**

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340
- **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859,

---

1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807,  
1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777,  
1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468,  
1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 1983

Proponent: Allison M DenToom, P.Eng., P.E.  
Engineers and Geoscientists BC  
Function: Other (Regulatory Body (Engineers and Geoscientists BC))  
Submitted: 2023-02-24  
Type of Change: Add a new code provision  
Code Reference(s): 2020 National Building Code (NBC) Sentence 9.2.2.1.1.(2)

### Subject

Masonry Heaters

### Problem

In recent years, there has been a trend in some jurisdictions to either limit the use of, or prohibit the installation of, conventional solid fuel fireplaces, wood stoves and natural gas fireplaces in both new and existing construction. The reasoning is generally based on environmental and energy performance concerns, therefore, leaving occupants with only limited heating options.

The use of masonry heaters, which have been used in Europe for generations, are substantially more efficient than traditional fireplaces and wood stoves and can address some of these concerns, while providing a more efficient and comfortable mode of heating.

The use of Masonry Heaters has been gaining traction in recent years in Canada and the current building code does not include any provisions for Masonry Heaters. As such, the alternate solution pathway is the only mechanism available for demonstrating compliance within the Canadian regulatory framework.

Conventional fireplaces, while commonplace, rely on relatively free combustion of the burning material through uncontrolled oxygen flow. Different controls may be used to make the fireplace more efficient; however, the bulk of the heat for the occupants is radiant heat from the fire, which typically accounts for 30% of the total amount heat released. A significant proportion of heat associated with hot gasses leaving via the chimney is not captured and in fact will exit the building at relatively high temperatures.

### Requested Change/Addition

9.22.1. General

9.22.1.1. Application

1) Except when otherwise specifically stated herein, this Section applies to masonry fireplaces constructed on-site.

[new] 2) Masonry heaters shall be designed and installed in accordance with this section and comply with the requirements of ASTM E 1602 or CEN 15250.

### Justification/Explanation

As outlined in the document "Code Compliance report for: Site Constructed Masonry Heaters" by John Ivison & Associates Ltd, dated March 26, 2018, the construction of masonry heaters meets and exceeds the intent of the NBCC/BC Building Code for fireplaces with open -fronted construction for heating rooms. One of the main differences between open fireplaces and masonry heaters is that the latter are much more efficient heating units. A masonry heater is essentially a high heat capacity unit constructed mostly of masonry and/or ceramic materials. Hot gases generated during the fast and complete combustion of a fuel load in a firebox equipped with airtight door pass through a series of channels or chambers (a traditional fireplace chimney flue is typically straight and vertical), enabling the masonry mass to absorb more heat. The mass then radiates heat slowly into the area around the masonry heater for up to 24 hours per fuel load. In contrast with the -largely aesthetic- function of conventional fireplaces, the main purpose of a masonry heater is to generate and deliver as much heat as possible with the minimum amount of fuel. The overall performance and environmental benefits are significant over conventional fireplaces and other conventional heating units.

Given the fundamental differences in performance between conventional fireplaces and masonry heaters, it is necessary to define Masonry Heaters and supporting code references/changes, to reflect both the

differences in performance and installation requirements.

## Objective(s)

NBC-OH1.2

## Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The proposed change will provide a regulatory path for masonry heaters to heat a building or space. While more costly than conventional fireplaces this initial cost is recovered over time and has additional benefits in terms of efficiency and comfort: particularly in rural areas where wood or wood- derivative fuels are readily available. It is not the intent of this change to require masonry heaters in all buildings, but rather provide the option should an owner occupier decide to install one. Ultimately, the decision to provide is that of the end use/owner.

Given how masonry heaters are constructed, they are expected to have long life spans with on- going maintenance- similar to masonry fireplaces/chimneys.

Furthermore, masonry heaters are generally safer than typical fireplaces. This is a result of the closed system. In other words, there is a lower probability of fire spreading from a masonry heater compared to an open-hearth fireplace.

It should be noted that if a new structural foundation is required then a Letter of Assurance and Field Review will be required from a structural engineer registered in the province of BC.

Factory Built chimneys shall be suitable for use with solid fuels and shall conform to the CAN/ULC S629 standard. The chimney installation shall conform to the installation instructions for the chimney system and the CSA B365 Installation standard.

## Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

Generally speaking, the tools available for enforcement of typical open-hearth fireplaces would be directly applicable to masonry heaters. As detailed in the document "Code Compliance report for: Site Constructed Masonry Heaters" by John Ivison & Associates Ltd, masonry heaters would be required to be constructed to various standards and prescribed methods. As such, building officials that routinely visit construction sites at different stages of construction would be able to inspect all elements of a masonry heater.

As previously noted, this code change is to provide regulations for the use and installation of Masonry Heaters. The change will bring the Code into line with the US where the ASTM E1602 standard for masonry heaters is referenced.

It is also worth noting, that when compared to gas fireplaces, masonry heaters do not require specialized gas fitting permits, thus, somewhat simplifying the installation and inspection processes.

## Other Comments

The intent of this code change request is to include provisions for Masonry Heaters within the Code.

It is not the intent of this change to require the installation of Masonry Heaters, but rather to reference their use in the Code as an option to conventional fireplaces and other heating appliances.

In general, a Masonry Heater is a vented heating system of predominantly masonry construction and usually having a mass of at least 800 kg (1760 lbs), excluding the chimney and structural support, that is designed to capture and store a substantial portion of the heat energy from a solid fuel fire in the mass of the masonry through internal heat exchange channels, to enable a charge of solid fuel to burn rapidly and completely, and to limit the external surface temperature to 110°C (230°F).

## Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2015**

CCR No.: 2015  
Title: Withdrawal of CAN/CGSB-7.2-94 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-7.2-94, "Adjustable Steel Columns" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B 9.17.3.4.(1), NBC20 Div.B 9.17.3.4.  
Standing Committee(s): Housing and Small Buildings, Structural Design

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-29 — Received

### 2023-06-09 — Sorted

### 2023-06-21 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-7.2-94, "Adjustable Steel Columns" from the NBC (currently referenced in Sentence 9.17.3.4.(1) and associated explanatory Note) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentence 9.17.3.4.(1) of Division B of the NBC, the reference to the standard applies to the design of adjustable steel columns where the imposed load does not exceed 36 kN. The explanatory Note A-9.17.3.4. further clarifies that the CAN/CGSB-7.2 standard prescribe a maximum allowable load on columns of 36 kN, which explains the limit stated in Sentence 9.17.3.4.(1).

Removing the referenced standard will remove the acceptable solution defined by complying with it. As such, another alternative could be required to assess the minimum level of performance for the design of adjustable steel columns.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Structural Design.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

---

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2015

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.17.3.4.(1) A-9.17.3.4.

### Subject

CAN/CGSB-7.2-94 - Adjustable Steel Columns

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2017**

CCR No.: 2017  
Title: Withdrawal of CAN/CGSB-11.3 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-11.3, "Hardboard" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B Table 5.9.1.1., NBC20 Div.B 9.29.7.1.(1), NBC20 Div.B 9.30.2.2.(1)  
Standing Committee(s): Environmental Separation, Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-29 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-11.3, "Hardboard" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1., Sentences 9.29.7.1.(1) and 9.30.2.2.(1) of Division B of the NBC, the reference to the standard applies to materials and components used as environmental separators or assemblies (Part 5) and material standard (Part 9).

Removing the referenced standard will remove the acceptable solution defined by complying with the performance outlined in the standard. As such, another alternative could be required to assess the minimum level of performance hardboard should achieved for those applications.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

• **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

• **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- 
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
  
  - **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340
  
  - **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388
-

## Code Change Request 2017

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.29.7.1.(1)  
9.30.2.2.(1)

### Subject

CAN/CGSB-11.3-M87 - Hardboard

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2018**

CCR No.:	2018
Title:	Withdrawal of CAN/CGSB-12.2 Standard from the NBC
Description:	This request for change removes the withdrawn standard CAN/CGSB-12.2, "Flat, Clear Shear Glass" referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B Table 5.9.1.1., NBC20 Div.B 9.6.1.2.(1)
Standing Committee(s):	Environmental Separation, Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2019 - Withdrawal of CAN/CGSB-12.3 Standard from the NBC</li><li>• CCR 2020 - Withdrawal of CAN/CGSB-12.4 Standard from the NBC</li><li>• CCR 2021 - Withdrawal of CAN/CGSB-12.4 Standard from the NBC</li><li>• CCR 2022 - Withdrawal of CAN/CGSB-12.9-M91 Standard from the NBC</li><li>• CCR 2023 - Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC</li><li>• CCR 2024 - Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-12.2, "Flat, Clear Shear Glass" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1. and Sentence 9.6.1.2.(1) of Division B of the NBC, the reference to the standard applies to material standards for glass.

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements of the standard. As such, another alternative could be required to assess the minimum level of performance glass should achieve.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

---

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2018

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.6.1.2.(1)

### Subject

CAN/CGSB-12.2-M91 - Flat, Clear Sheet Glass

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2019**

CCR No.:	2019
Title:	Withdrawal of CAN/CGSB-12.3 Standard from the NBC
Description:	This request for change removes the withdrawn standard CAN/CGSB-12.3, "Flat, Clear Float Glass" referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B Table 5.9.1.1., NBC20 Div.B 9.6.1.2.(1)
Standing Committee(s):	Environmental Separation, Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2018 - Withdrawal of CAN/CGSB-12.2 Standard from the NBC</li><li>• CCR 2020 - Withdrawal of CAN/CGSB-12.4 Standard from the NBC</li><li>• CCR 2021 - Withdrawal of CAN/CGSB-12.4 Standard from the NBC</li><li>• CCR 2022 - Withdrawal of CAN/CGSB-12.9-M91 Standard from the NBC</li><li>• CCR 2023 - Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC</li><li>• CCR 2024 - Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-12.3, "Flat, Clear Float Glass" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1. and Sentence 9.6.1.2.(1) of Division B of the NBC, the reference to the standard applies to material standards for glass.

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements of the standard. As such, another alternative could be required to assess the minimum level of performance glass should achieve.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

---

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2019

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.6.1.2.(1)

### Subject

CAN/CGSB-12.3-M91 - Flat, Clear Float Glass

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2020**

CCR No.:	2020
Title:	Withdrawal of CAN/CGSB-12.4 Standard from the NBC
Description:	This request for change removes the withdrawn standard CAN/CGSB-12.4-M, "Heat Absorbing Glass" referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B Table 5.9.1.1., NBC20 Div.B 9.6.1.2.(1)
Standing Committee(s):	Environmental Separation, Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2018 - Withdrawal of CAN/CGSB-12.2 Standard from the NBC</li><li>• CCR 2019 - Withdrawal of CAN/CGSB-12.3 Standard from the NBC</li><li>• CCR 2021 - Withdrawal of CAN/CGSB-12.4 Standard from the NBC</li><li>• CCR 2022 - Withdrawal of CAN/CGSB-12.9-M91 Standard from the NBC</li><li>• CCR 2023 - Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC</li><li>• CCR 2024 - Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-12.4-M, "Heat Absorbing Glass" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1. and Sentence 9.6.1.2.(1) of Division B of the NBC, the reference to the standard applies to material standards for glass.

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements of the standard. As such, another alternative could be required to assess the minimum level of performance glass should achieve.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

---

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2020

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.6.1.2.(1)

### Subject

CAN/CGSB-12.4-M91 - Heat Absorbing Glass

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 2022

CCR No.:	2022
Title:	Withdrawal of CAN/CGSB-12.9-M91 Standard from the NBC
Description:	This request for change removes the withdrawn standard CAN/CGSB-12.9, "Spandrel glass" referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B Table 5.9.1.1., NBC20 Div.B 9.6.1.2.(1)
Standing Committee(s):	Environmental Separation, Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2018 - Withdrawal of CAN/CGSB-12.2 Standard from the NBC</li><li>• CCR 2019 - Withdrawal of CAN/CGSB-12.3 Standard from the NBC</li><li>• CCR 2020 - Withdrawal of CAN/CGSB-12.4 Standard from the NBC</li><li>• CCR 2021 - Withdrawal of CAN/CGSB-12.4 Standard from the NBC</li><li>• CCR 2023 - Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC</li><li>• CCR 2024 - Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-12.9-M, "Spandrell glass" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1. and Sentence 9.6.1.2.(1) of Division B of the NBC, the reference to the standard applies to material standards for glass.

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements of the standard. As such, another alternative could be required to assess the minimum level of performance glass should achieve.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

---

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2022

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.6.1.2.(1)

### Subject

CAN/CGSB-12.9-M91 - Spandrel glass

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 2023

CCR No.:	2023
Title:	Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC
Description:	This request for change removes the withdrawn standard CAN/CGSB-12.10-M76, "Glass, Light and Heat Reflecting" referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B 9.6.1.2.(1)
Standing Committee(s):	Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2018 - Withdrawal of CAN/CGSB-12.2 Standard from the NBC</li><li>• CCR 2019 - Withdrawal of CAN/CGSB-12.3 Standard from the NBC</li><li>• CCR 2020 - Withdrawal of CAN/CGSB-12.4 Standard from the NBC</li><li>• CCR 2021 - Withdrawal of CAN/CGSB-12.4 Standard from the NBC</li><li>• CCR 2022 - Withdrawal of CAN/CGSB-12.9-M91 Standard from the NBC</li><li>• CCR 2024 - Withdrawal of CAN/CGSB-12.10-M76 Standard from the NBC</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-12.10-M76, "Glass, Light and Heat Reflecting" from the NBC (currently referenced in Part 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentence 9.6.1.2.(1) of Division B of the NBC, the reference to the standard applies to material standards for glass.

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements of the standard. As such, another alternative could be required to assess the minimum level of performance glass should achieve.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code**

---

**cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2023

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.6.1.2.(1)

### Subject

CAN/CGSB-12.10-M76 - Glass, Light and Heat Reflecting

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2025**

CCR No.: 2025  
Title: Withdrawal of CAN/CGSB-12.11-M90 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-12.11-M90, "Wired Safety Glass" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B 3.3.1.20.(3), NBC20 Div.B 3.4.6.15.(1), NBC20 Div.B 3.4.6.15.(3), NBC20 Div.B 9.6.1.2.(1), NBC20 Div.B 9.6.1.4.(1), NBC20 Div.B 9.8.8.7.(1)  
Standing Committee(s): Fire Protection, Housing and Small Buildings, Use and Egress

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Fire Protection — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-12.11-M90, "Wired Safety Glass" from the NBC (currently referenced in Parts 3 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentences 3.3.1.20.(3), 3.4.6.15.(1) and (3), 9.6.1.2.(1), 9.6.1.4.(1) and 9.8.8.7.(1) of Division B of the NBC, the reference to the standard applies to wired glass requirements in a glass door and a revolving door with glass in door leaves and enclosure panels (Part 3), material standard for glass, glass sidelights greater than 500 mm, in storm doors and in sliding doors giving access to dwelling units and glass in guards.

Removing the referenced standard will remove the acceptable solution defined by complying with the performance set with the standard. As such, another alternative could be required to assess the minimum level of performance wired glass should achieve in those applications.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Fire Protection, Housing and Small Buildings and Use and Egress.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

---

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2025

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 3.3.1.20.(3) 3.4.6.15.(1)  
3.4.6.15.(3) 9.6.1.2.(1) 9.6.1.4.(1) 9.8.8.7.(1)

### Subject

CAN/CGSB-12.11-M90 - Wired Safety Glass

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2026**

CCR No.: 2026  
Title: Withdrawal of CAN/CGSB-12.20-M89 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-12.20-M89, *Structural Design of Glass for Buildings* referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B 4.3.6.1.(1), NBC20 Div.B 9.6.1.3.(1), NBC20 Div.B A-9.6.1.3.(2)  
Standing Committee(s): Housing and Small Buildings, Structural Design

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-06 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-12.20-M89, "Structural Design of Glass for Buildings" from the NBC (currently referenced in Parts 4 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentences 4.3.6.1.(1) and 9.6.1.2.(1) of Division B of the NBC, the reference to the standard applies as an option to the design of glass used in buildings. Additionally, the maximum area of individual panes of glass for windows set in Tables 9.6.1.3.-A to -F are based on the CAN/CGSB standard.

Removing the referenced standard will remove the acceptable solution defined by complying with the values set in Tables 9.6.1.3.-A to -F and an option for the design of glass used in buildings. As such, another alternative could be required to assess the maximum area of individual panes of glass for windows.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Structural Design.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

---

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2026

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 4.3.6.1.(1) 9.6.1.3.(1)  
A-9.6.1.3.(2)

### Subject

CAN/CGSB-12.20-M89 - Structural Design of Glass for Buildings

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2027**

CCR No.: 2027  
Title: Withdrawal of CAN/CGSB-19.22-M89 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-19.22-M89, *Mildew-Resistant Sealing Compound for Tubs and Tiles* referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B 9.29.10.5.(1)  
Standing Committee(s): Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-06 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-19.22-M89, *Mildew-Resistant Sealing Compound for Tubs and Tiles* from the NBC because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentence 9.29.10.5.(1) of Division B of the NBC, the reference to the standard applies to suitable caulking for joints between wall tiles and a bathtub.

Removing the referenced standard will remove the acceptable solution defined by complying with the caulking material conforming with the standard. As such, another alternative could be required to assess the minimum level of performance caulking material should achieve for that application.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2027

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.29.10.5.(1)

### Subject

CAN/CGSB-19.22-M89 - Mildew-Resistant Sealing Compound for Tubs and Tiles

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 2028

CCR No.:	2028
Title:	Withdrawal of CGSB 37-GP-9Ma-1983 Standard from the NBC
Description:	This change request removes the withdrawn standard CGSB-C37-GP-9Ma-1983, <i>Primer, Asphalt, Unfilled, for Asphalt Roofing, Dampproofing and Waterproofing</i> referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B Table 5.9.1.1., NBC20 Div.B 9.13.3.2.(2), NBC20 Div.B Table 9.26.2.1.A.
Standing Committee(s):	Environmental Separation, Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2029 - Withdrawal of CAN/CGSB-37.50-M89 Standard from the NBC</li><li>• CCR 2031 - Withdrawal of CAN/CGSB-37.54-95 Standard from the NBC</li><li>• CCR 2032 - Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC</li><li>• CCR 2033 - Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC</li><li>• CCR 2035 - Withdrawal of CAN/CGSB-37.58-M86 Standard from the NBC</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CGSB-C37-GP-9Ma-1983, "Primer, Asphalt, Unfilled, for Asphalt Roofing, Dampproofing and Waterproofing" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1., Sentence 9.13.3.2.(2) and Tables 9.26.2.1.-A of Division B of the NBC, the reference to the standard applies to environmental separators or assemblies exposed to the exterior (in Part 5), exterior waterproofing and substrate roofing materials (in Part 9).

Removing the referenced standard will remove the acceptable solution defined for the materials or components complying with the standard. As such, another alternative could be required to assess the minimum level of performance such materials or components should achieve to comply with the current code requirements.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

**CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

---

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2028

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.13.3.2.(2)  
Table 9.26.2.1.-A

### Subject

37-GP-9Ma-1983 - Primer, Asphalt, Unfilled, for Asphalt Roofing, Dampproofing and Waterproofing

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 2029

CCR No.:	2029
Title:	Withdrawal of CAN/CGSB-37.50-M89 Standard from the NBC
Description:	This request for change removes the withdrawn standard CAN/CGSB-37.50-M89, "Hot-Applied, Rubberized Asphalt for Roofing and Waterproofing" referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B 5.9.1.1., NBC20 Div.B 9.13.3.2.(2), NBC20 Div.B B-9.26.2.1.B.
Standing Committee(s):	Environmental Separation, Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2028 - Withdrawal of CGSB 37-GP-9Ma-1983 Standard from the NBC</li><li>• CCR 2031 - Withdrawal of CAN/CGSB-37.54-95 Standard from the NBC</li><li>• CCR 2032 - Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC</li><li>• CCR 2033 - Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC</li><li>• CCR 2035 - Withdrawal of CAN/CGSB-37.58-M86 Standard from the NBC</li></ul>

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-37.50-M89, "Hot-Applied, Rubberized Asphalt for Roofing and Waterproofing" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1., Sentence 9.13.3.2.(2) and associated explanatory Note of Division B of the NBC, the reference to the standard applies to environmental separators or assemblies exposed to the exterior (in Part 5) and exterior waterproofing (in Part 9).

Removing the referenced standard will remove the acceptable solution defined for the materials or components complying with the standard. As such, another alternative could be required to assess the minimum level of performance such materials or components should achieve to comply with the current code requirements.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

---

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2029

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.13.3.2.(2)  
Table 9.26.2.1.-B

### Subject

CAN/CGSB-37.50-M89 - Hot-Applied, Rubberized Asphalt for Roofing and Waterproofing

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2030**

CCR No.: 2030  
Title: Withdrawal of CAN/CGSB-37.51-M90 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-37.51-M90, "Application for Hot-Applied Rubberized Asphalt for Roofing and Waterproofing" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B 9.26.15.1.(1)  
Standing Committee(s): Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-30 — Received

### 2023-06-13 — Sorted

### 2023-12-07 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-37.51-M90, "Application for Hot-Applied Rubberized Asphalt for Roofing and Waterproofing" from the NBC (currently referenced in Part 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentence 9.26.15.1.(1) of Division B of the NBC, the reference to the standard applies to the installation of hot applied rubberized asphalt roofing.

Removing the referenced standard will remove the acceptable solution defined by complying with the installation requirements set in the standard. As such, another alternative could be required to assess the minimum level of performance the installation of hot applied rubberized asphalt roofing should achieved.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code**

---

**cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2030

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.26.15.1.(1)

### Subject

CAN/CGSB-37.51-M90 - Application for Hot-Applied Rubberized Asphalt for Roofing and Waterproofing

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 2031

CCR No.:	2031
Title:	Withdrawal of CAN/CGSB-37.54-95 Standard from the NBC
Description:	This request for change removes the withdrawn standard CAN/CGSB-37.54-95, "Polyvinyl Chloride Roofing and Waterproofing Membrane" referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B 9.13.3.2.(2), NBC20 Div.B Table 5.9.1.1., NBC20 Div.B Table 9.26.2.1.
Standing Committee(s):	Environmental Separation, Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2028 - Withdrawal of CGSB 37-GP-9Ma-1983 Standard from the NBC</li><li>• CCR 2029 - Withdrawal of CAN/CGSB-37.50-M89 Standard from the NBC</li><li>• CCR 2032 - Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC</li><li>• CCR 2033 - Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC</li><li>• CCR 2035 - Withdrawal of CAN/CGSB-37.58-M86 Standard from the NBC</li></ul>

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-06-21 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-37.54-95, "Polyvinyl Chloride Roofing and Waterproofing Membrane" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1., Sentence 9.13.3.2.(2) and Tables 9.26.2.1.-B of Division B of the NBC, the reference to the standard applies to environmental separators or assemblies exposed to the exterior (in Part 5), exterior waterproofing and roofing materials (in Part 9).

Removing the referenced standard will remove the acceptable solution defined for the materials or components complying with the standard. As such, another alternative could be required to assess the minimum level of performance such materials or components should achieve to comply with the current code requirements.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

---

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2031

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.13.3.2.(2)  
Table 9.26.2.1.-B

### Subject

CAN/CGSB-37.54-95 - Polyvinyl Chloride Roofing and Waterproofing Membrane

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 2032

CCR No.:	2032
Title:	Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC
Description:	This request for change removes the withdrawn standard CGSB 37-GP-55M-1979, "Application of Sheet Applied Flexible Polyvinyl Chloride Roofing Membrane" referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B 9.26.16.1.(1)
Standing Committee(s):	Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2028 - Withdrawal of CGSB 37-GP-9Ma-1983 Standard from the NBC</li><li>• CCR 2029 - Withdrawal of CAN/CGSB-37.50-M89 Standard from the NBC</li><li>• CCR 2031 - Withdrawal of CAN/CGSB-37.54-95 Standard from the NBC</li><li>• CCR 2033 - Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC</li><li>• CCR 2035 - Withdrawal of CAN/CGSB-37.58-M86 Standard from the NBC</li></ul>

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-06-21 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-37-GP-55M-1979, "Application of Sheet Applied Flexible Polyvinyl Chloride Roofing Membrane" from the NBC (currently referenced in Part 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentence 9.26.16.1.(1) of Division B of the NBC, the reference to the standard applies to the installation of polyvinyl chloride sheet applied roofing membrane.

Removing the referenced standard will remove the acceptable solution defined by complying with the installation requirements set with the standard. As such, another alternative could be required to assess the minimum level of performance the installation of polyvinylchloride sheet roofing materials should achieve.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

---

---

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2032

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.26.16.1.(1)

### Subject

37-GP-55M-1979 - Application of Sheet Applied Flexible Polyvinyl Chloride Roofing Membrane

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2034**

CCR No.: 2034  
Title: Withdrawal of CGSB 37-GP-56M-1985 Standard from the NBC  
Description: This code change request removes the withdrawn standard CGSB 37-GP-56M-1985, "Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B 9.13.3.2.(2), NBC20 Div.B Table 9.26.2.1.B.  
Standing Committee(s): Housing and Small Buildings

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-12-11 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CGSB 37-GP-56M-1985, "Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing" from the NBC (currently referenced in Part 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentence 9.13.3.2.(2) and Table 9.26.2.1.-B. of Division B of the NBC, the reference to the standard applies to materials used for exterior waterproofing and built-up roofing materials.

Removing the referenced standard will remove the acceptable solution defined by complying with the performance set in the standard. As such, another alternative could be required to assess the minimum level of performance materials used for exterior waterproofing and built-up roofing materials should achieved.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

---

---

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2034

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.13.3.2.(2) Table 9.26.2.1.-B

### Subject

37-GP-56M-1985 - Membrane, Modified, Bituminous, Prefabricated, and Reinforced for Roofing

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 2035

CCR No.:	2035
Title:	Withdrawal of CAN/CGSB-37.58-M86 Standard from the NBC
Description:	This code change request removes the withdrawn standard CAN/CGSB-37.58-M86, "Membrane, Elastomeric, Cold-Applied Liquid, for Non-Exposed Use in Roofing and Waterproofing" referenced in the NBC.
Proponent:	Robert Long Public Services and Procurement Canada
Submitted:	2023-05-24
Code Reference(s):	NBC20 Div.B Table 5.9.1.1., NBC20 Div.B 9.13.3.2.(2), NBC20 Div.B Table 9.26.2.1.B.
Standing Committee(s):	Environmental Separation, Housing and Small Buildings
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 2028 - Withdrawal of CGSB 37-GP-9Ma-1983 Standard from the NBC</li><li>• CCR 2029 - Withdrawal of CAN/CGSB-37.50-M89 Standard from the NBC</li><li>• CCR 2031 - Withdrawal of CAN/CGSB-37.54-95 Standard from the NBC</li><li>• CCR 2032 - Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC</li><li>• CCR 2033 - Withdrawal of CGSB 37-GP-55M-1979 Standard from the NBC</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-06-20 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-37.58-M86, "Membrane, Elastomeric, Cold-Applied Liquid, for Non-Exposed Use in Roofing and Waterproofing" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1., Sentence 9.13.3.2.(1) and Table 9.26.2.1.-B of Division B of the NBC, the reference to the standard applies to environmental separators or assemblies exposed to the exterior (in Part 5), exterior waterproofing and roofing materials (in Part 9).

Removing the referenced standard will remove the acceptable solution defined for the materials or components complying with the standard. As such, another alternative could be required to assess the minimum level of performance such materials or components should achieve to comply with the current code requirements.

It should be noted that PCF 1973 was developed to replace the CAN/CGSB-37.58-M86 standard with ASTM C836/C836M-18, "Standard Specification for High Solids Content, Cold Liquid-Applied Elastomeric Waterproofing Membrane for Use with Separate Wearing Course" in Table 5.9.1.1. The PCF was sent to the fall 2023 public review.

*NOTE: The ASTM C836/C836M-18 standard is not currently referenced in the NBC.*

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard (done for Part 5 with PCF 1973), or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical**

---

**development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2035

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.13.3.2.(2)  
Table 9.26.2.1.-B

### Subject

CAN/CGSB-37.58-M86 - Membrane, Elastomeric, Cold-Applied Liquid, for Non-Exposed Use in Roofing and Waterproofing

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2037**

CCR No.: 2037  
Title: Withdrawal of CAN/CGSB-51.25-M87 Standard from the NBC  
Description: This code change request removes the withdrawn standard CAN/CGSB-51.25-M87, "Thermal Insulation, Phenolic, Faced" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B Table 9.23.17.2.A., NBC20 Div.B 9.25.2.2.(1)  
Standing Committee(s): Housing and Small Buildings  
Related Code Change Request(s): • CCR 2038 - Withdrawal of CGSB 51-GP-27M Standard from the NBC

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-06-20 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-51.25-M87, "Thermal Insulation, Phenolic, Faced" from the NBC (currently referenced in Part 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentence 9.25.2.2.(1) and Table 9.23.17.2.-A of Division B of the NBC, the reference to the standard applies to thermal insulation material and phenolic faced sheathing.

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements set in the standard. As such, another alternative could be required to assess the minimum level of performance thermal insulation and phenolic faced sheathing should achieved.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code**

---

**cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2037

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 9.23.17.2.-A 9.25.2.2.(1)

### Subject

CAN/CGSB-51.25-M87 - Thermal Insulation, Phenolic, Faced

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2038**

CCR No.: 2038  
Title: Withdrawal of CGSB 51-GP-27M Standard from the NBC  
Description: This code change request removes the withdrawn standard CGSB-51-GP-27M-1979, "Thermal Insulation, Polystyrene, Loose Fill" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B 9.25.2.2.(1)  
Standing Committee(s): Housing and Small Buildings  
Related Code Change Request(s): • CCR 2037 - Withdrawal of CAN/CGSB-51.25-M87 Standard from the NBC

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-12-08 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CGSB-51-GP-27M-1979, "Thermal Insulation, Polystyrene, Loose Fill" from the NBC (currently referenced in Part 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentence 9.25.2.2.(1) of Division B of the NBC, the reference to the standard applies to thermal insulation material.

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements set in the standard. As such, another alternative could be required to assess the minimum level of performance thermal insulation should achieved.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code**

---

**cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2038

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.25.2.2.(1)

### Subject

51-GP-27M-1979 - Thermal Insulation, Polystyrene, Loose Fill

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2040**

CCR No.: 2040  
Title: Withdrawal of CAN/CGSB-51.33-M89 Standard from the NBC  
Description: This proposed change removes the withdrawn standard CAN/CGSB-51.33-M89, "Vapour Barrier, Polyethylene Sheet for Use in Building Construction" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B Table 5.9.1.1., NBC20 Div.B 9.25.4.2.(5), NBC20 Div.B 9.25.4.2.(6)  
Standing Committee(s): Environmental Separation, Housing and Small Buildings

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

**2023-05-31 — Received**

**2023-06-13 — Sorted**

**2023-10-10 — Housing and Small Buildings — Analyzed**

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-51.33-M89, "Vapour Barrier, Polyethylene Sheet for Use in Building Construction" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1., Sentence 9.25.4.2.(5) and associated explanatory Note of Division B of the NBC, the reference to the standard applies to materials and components used into environmental separators (Part 5) and membrane-type vapour barriers other than polyethylene (Part 9).

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements set in the standard. As such, another alternative could be required to assess the minimum level of performance membrane-type vapour barriers should achieved in those applications.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

**2023-11-16 — Canadian Board for Harmonized Construction Codes — Reviewed — Decision: Develop**

At its meeting on November 16th, the CBHCC agreed to consider CCR 2040 as a minor task in future work planning.

---

## Code Change Request 2040

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.13.2.2.(2)  
9.18.6.2.(1) 9.25.3.2.(2) 9.25.3.6.(1) 9.25.4.2.(4)

### Subject

CAN/CGSB-51.33-M89 - Vapour Barrier, Polyethylene Sheet for Use in Building Construction

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2041**

CCR No.: 2041  
Title: Withdrawal of CAN/CGSB-51.71-2005 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-51.71-2005, "Depressurization Test" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B 9.32.3.8.(7)  
Standing Committee(s): Housing and Small Buildings  
Related Code Change Request(s): • CCR 2153 - Introduction of a New CSA F300:2022, "Residential Depressurization" Standard

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-10-10 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-51.71-2005, "Depressurization Test" from the NBC (currently referenced in Part 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Sentence 9.32.3.8.(7) of Division B of the NBC, the reference to the standard applies to test procedures to determine the maximum depressurization levels fuel-fire space- and water-heating appliances will be exposed to.

Removing the referenced standard will remove the acceptable solution defined by complying with the limits set out in the standard. As such, another alternative could be required to assess the minimum level of performance fuel-fired space- and water-heating appliances could sustain in terms of depressurization levels.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

### 2023-11-16 — Canadian Board for Harmonized Construction Codes — Reviewed — Decision: Develop

At its meeting on November 16th, the CBHCC agreed to consider CCR 2041 as a minor task in future work planning.

---

## Code Change Request 2041

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.32.3.8.(7)

### Subject

CAN/CGSB-51.71-2005 - Depressurization Test

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2042**

CCR No.: 2042  
Title: Withdrawal of CAN/CGSB-71.26-M88 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-71.26-M88, "Adhesive for Field-Gluing Plywood to Lumber Framing for Floor Systems" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B Table A-9.23.4.2.(2)  
Standing Committee(s): Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-12-08 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-71.26-M88, "Adhesive for Field-Gluing Plywood to Lumber Framing for Floor Systems" from the NBC (currently referenced in Part 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under the explanatory Note A-9.23.4.2.(2) and associated explanatory Note Table of Division B of the NBC, the reference to the standard applies to a Notes to Table A-9.23.4.2.(2)-C for determining the constant G for vibration-controlled floor joist spans applied to subfloor field-glued to floor joists with elastomeric adhesive (i.e. numerical method to establish vibration-controlled spans for wood-frame floors).

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements set in the standard. As such, another alternative could be required to assess the minimum level of performance subfloor field-glued to floor joists with elastomeric adhesive should achieved.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

· **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

· **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- 
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
  
  - **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340
  
  - **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388
-

## Code Change Request 2042

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) A-9.23.4.2.(2) Table  
A-9.23.4.2.(2)-C

### Subject

CAN/CGSB-71.26-M88 - Adhesive for Field-Gluing Plywood to Lumber Framing for Floor Systems

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2043**

CCR No.: 2043  
Title: Withdrawal of CAN/CGSB-82.6-M86 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-82.6-M86, "Doors, Mirrored Glass, Sliding or Folding, Wardrobe" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B 9.6.1.2.(2), NBC20 Div.B A-9.6.1.2.(2)  
Standing Committee(s): Housing and Small Buildings  
Related Code Change Request(s): • CCR 2046 - Withdrawal of CAN/CGSB-82.6-M86 Standard from the NBC

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-12-08 — Housing and Small Buildings — Analyzed

SAME REQUEST FOR CHANGE (CCR) AS CCR 2046.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139

- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

- **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984,

---

1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954,  
1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859,  
1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807,  
1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777,  
1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468,  
1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2043

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) 9.6.1.2.(2) A-9.6.1.2.(2)

### Subject

CAN/CGSB-82.6-M86 - Doors, Mirrored Glass, Sliding or Folding, Wardrobe

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2044**

CCR No.: 2044  
Title: Withdrawal of CAN/CGSB-93.1-M85 Standard from the NBC  
Description: This request for change removes the withdrawn standard CAN/CGSB-93.1-M85, "Sheet, Aluminum Alloy, Prefinished, Residential" referenced in the NBC.  
Proponent: Robert Long  
Public Services and Procurement Canada  
Submitted: 2023-05-24  
Code Reference(s): NBC20 Div.B Table 5.9.1.1., NBC20 Div.B 9.27.11.1.(3), NBC20 Div.B A-9.27.11.1.(2)  
Standing Committee(s): Environmental Separation, Housing and Small Buildings

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-05-31 — Received

### 2023-06-13 — Sorted

### 2023-12-08 — Housing and Small Buildings — Analyzed

This request for change (CCR) removes the reference to the withdrawn standard (by the publisher) CAN/CGSB-93.1-M85, "Sheet, Aluminum Alloy, Prefinished, Residential" from the NBC (currently referenced in Parts 5 and 9) because it is no longer maintained for technical validity. There is no replacement identified with the proposal.

Under Table 5.9.1.1., Sentence 9.27.11.1.(3) and explanatory Note A-9.27.11.1.(2) and (3) of Division B of the NBC, the reference to the standard applies to materials and components used into environmental separators (Part 5) and material standard for aluminum sheet cladding.

Removing the referenced standard will remove the acceptable solution defined by complying with the requirements set in the standard. As such, another alternative could be required to assess the minimum level of performance aluminum sheet cladding should achieved.

If the Standing Committee (SC) agree, this CCR could be developed by removing the reference to the standard and either

1. potentially identify a replacement for the currently referenced standard, or
2. introduce requirements in the code defining the minimum level of performance.

The development of the CCR could be done as a joint effort between the SC on Housing and Small Buildings and Environmental Separation.

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT**

---

**Working Group:** 2093, 1888, 1822, 1751, 1689, 1352

· **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.

· **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340

· **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468, 1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2044

Proponent: Robert Long  
Public Services and Procurement Canada  
Function: Other, Other (Standards Developer)  
Submitted: 2023-05-24  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Building Code (NBC) Table 5.9.1.1. 9.27.11.1.(3)  
A-9.27.11.1.(2) and (3)

### Subject

CAN/CGSB-93.1-M85 - Sheet, Aluminum Alloy, Prefinished, Residential

### Problem

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Requested Change/Addition

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Justification/Explanation

This standard has been withdrawn and is not being maintained for technical validity. CGSB recommends removing this from reference in the NBC.

### Objective(s)

NBC-OE

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

N/A

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

N/A

### Other Comments

N/A

### Attached Supporting Material

*none*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 2047

CCR No.:	2047
Title:	New Standard for the Design and Installation of Special Fire Suppression System
Description:	This request for change introduces the NFPA 2001, "Standard on Clean Agent Fire Extinguishing Systems" for the design and installation of another special fire suppression system.
Proponent:	Félix Lapointe Ministère de la Sécurité publique
Submitted:	2023-05-26
Code Reference(s):	NFC20 Div.B 2.1.3.5.(3)
Standing Committee(s):	Fire Protection, Hazardous Materials and Activities
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 1231 - New Standards for the Design and Installation of Special Fire Suppression System</li><li>• CCR 1362 - New Standards for the Design and Installation of Special Fire Suppression System</li><li>• CCR 1653 - New Standard for the Design and Installation of Hybrid Water and Inert Gas Fire Suppression System</li><li>• CCR 2123 - Add an Clause to Div. B, 2.1.3.5. to refer to NFPA 2001, Clean Agent Fire Extinguishing system</li><li>• CCR 380 - New Standard for the Design and Installation of Water-Mist Fire Suppression System</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### **2023-05-31 — Received**

### **2023-06-07 — Sorted**

### **2023-10-10 — Canadian Board for Harmonized Construction Codes — Analyzed**

This proposed change is to add the reference on NFPA 2001, “Standard on Clean Agent Fire Extinguishing Systems.” in the National Fire Code (NFC).

Sentence 2.1.3.5.(3) of Division B of the NFC provides a list of standards that the design and installation of a special fire suppression system that is not water-based shall conform to.

The request implies that inclusion of the new reference to NFPA 2001 within the list of standards in the NFC will allow code users to apply it as a referenced standard.

If the CBHCC agrees, this request should be reviewed and considered for inclusion in Sentence 2.1.3.5.(3) of the NFC as a future task.

### **2023-11-16 — Canadian Board for Harmonized Construction Codes — Reviewed — Decision: Develop**

At its meeting on November 16th, the CBHCC agreed to consider CCR 2047 in future work planning.

---

## Translated Code Change Request 2047

Proponent: Félix Lapointe  
Ministère de la Sécurité publique  
Function: Other, Other (Professionnel )  
Submitted: 2023-05-26  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Fire Code (NFC) Sentence 2.1.3.5.(3) of Division B

### Subject

The addition of NFPA 2001, "Standard on Clean Agent Fire Extinguishing Systems"

### Problem

NFPA 2001, "Standard on Clean Agent Fire Extinguishing Systems," is the standard for clean/special agent systems, such as Novec 1230, which have been on the market for years as a replacement for halons. The standard is not referenced in the NFC, which creates a gap for inspectors who cannot apply it as a referenced standard. A standard must always be adopted in a municipal bylaw, which is often forgotten.

### Requested Change/Addition

Add a reference to NFPA 2001, "Standard on Clean Agent Fire Extinguishing Systems," to Sentence 2.1.3.5.(3).

### Justification/Explanation

Allowing the application of NFPA 2001 and its applicable requirements as a referenced standard in the event of a fire.

### Objective(s)

NFC-OP1.4, NFC-OS1.4

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

No, inspectors would refer to the standard if non-conformities occur.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

No increase in resources required. The standard would be applied in the same way as the others referenced in the Article. This standard is introduced and explained to CEGEP students.

### Other Comments

No other Code affected.

### Attached Supporting Material

*none*

## Original Code Change Request 2047

Proposant : Félix Lapointe  
Ministère de la Sécurité publique  
Poste : Autre, Autre (Professionnel )  
Envoyée : 2023-05-26  
Type de modification : Modification à une disposition existante  
Renvoi(s) au code : 2020 Code national de prévention des incendies (CNPI) 2.1.3.5. 3)  
de la division B

### Sujet

Ajout de la norme NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems

### Problème

La norme NFPA 2001 est celle qui porte sur les systèmes à agent spéciaux propres comme le Novec 1230. C'est produits sont utilisées sur le marché pour remplacer le Halon depuis des années. Le CNPI ne le traite pas. C'est une lacune pour les inspecteurs qui ne peuvent appliquer la norme de référence. La norme doit toujours être adoptés dans un règlement municipal et cela est souvent oublié.

### Modification ou ajout proposé

Ajouter la norme NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems au paragraphe 3 de l'article 2.1.3.5.

### Justification ou explication

On va permettre d'appliquer la norme de référence et les exigences applicables advenant une problématique.

### Objectifs

CNPI-OP1.4, CNPI-OS1.4

### Analyse des répercussions

*La modification entraînera-t-elle des coûts supplémentaires? Des avantages financiers en découleront-ils?*

Non, les inspecteurs vont se référer à la norme s'il y a des non-conformités.

### Incidences en matière d'application

*Les organismes chargés de l'application de ce code sont-ils en mesure de veiller à l'application de la modification demandée ou leur faudra-t-il augmenter leurs ressources?*

Aucune augmentation des ressources. L'application de la norme va se faire comme avec les autres de l'article. Cette norme est présentée et expliquées aux étudiants au cégep.

### Autres observations

Aucun autre code.

### Documents justificatifs

*none*

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2053**

CCR No.: 2053  
Title: Replacement of Referenced Standards for Grease Interceptors  
Description: This proposed change updates/replaces existing referenced standards related to grease interceptors on the basis that new harmonized standards have been developed. It adds dedicated provisions for "hydromechanical grease interceptors" and "grease removal devices".  
Proponent: David Orton  
NSF  
Submitted: 2023-06-29  
Code Reference(s): NPC20 Div.B 2.2.3.2., NPC20 Div.B A-2.2.3.2.(3), NPC20 Div.B Table 1.3.1.2.  
Standing Committee(s): HVAC and Plumbing

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-07-05 — Received

### 2023-09-13 — Sorted

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340
- **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807,

---

1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777,  
1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468,  
1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2053

Proponent: David Orton  
NSF

Function: Other, Other (Test Lab and Certification Body)

Submitted: 2023-06-29

Type of Change: To the existing code provision

Code Reference(s): 2020 National Building Code (NBC) Clause 2.2.3.2 Interceptors, Table 1.3.1.2, and Note A-2.2.3.2.(3) Grease Interceptors

### Subject

Update the references to CSA B481 to the latest versions of the grease interceptor standards

### Problem

New harmonized standards have been published by CSA and ASME for grease interceptors (ASME A112.14.3/CSA B481.1) and grease removal devices (ASME A112.14.4/CSA B481.5). Several sections of the CSA B481 series of standards have been deleted (CSA B481.0, B481.3, B481.4).

### Requested Change/Addition

Refer to email attachment for redline markup.

#### 2.2.3.2. Interceptors

- 1) Interceptors shall be designed so that they can be readily cleaned.
- 2) Grease interceptors shall a) be designed so that they do not become air bound, and b) not have a water jacket.
- 3) Grease interceptors shall be selected and installed in conformance with ASME A112.14.3/CSA B481.1 (See Note A-2.2.3.2.(3).)
- 4) Hydromechanical Grease Interceptors shall comply with ASME A112.14.3/CSA B481.1 "Hydromechanical grease interceptors"
- 5) Grease Removal devices shall comply with ASME A112.14.4/CSA B481.5 "Grease removal devices".

#### Table in 1.3.1.2

-----

Issuing Agency	Document Number	Title of Document	Code Reference
ASME/CSA	A112.14.3/CSA B481.1	Hydromechanical grease interceptors	2.2.3.2.(3), 2.2.3.2.(4), A-2.2.3.2.(3)
ASME/CSA	A112.14.4/CSA B481.5	Grease removal devices	2.2.3.2.(5)
A-2.2.3.2.(3)	Grease Interceptors.	ASME A112.14.3/CSA B481.14, Annex G "Maintenance of grease interceptors," is considered to represent good practice regarding procedures for the maintenance of grease interceptors	

### Justification/Explanation

The new standards provide harmonized requirements for the Canadian and US markets. This will improve trade accessibility between the countries and ease supply chain issues.

### Objective(s)

NBC-OH1, NPC-OP

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

No added costs are anticipated from adopting the harmonized standards. With products able to meet a

single harmonized standard, it should make it easier for manufacturers to certify their product and ease supply chain issues.

### **Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

The new standards will not require any significant changes to the enforcement activities. The B481 series was already recognized by the code. The new versions streamline the standards from five sections down to two.

### **Other Comments**

This code change is respectfully submitted on behalf the CSA B79/B481 and ASME A112 standards committees. Refer to email attachment for redline markup.

Sincerely,  
David Orton  
Chair, CSA B79/B481 technical committee

### **Attached Supporting Material**

- ccr\_2053\_-\_npc\_proposal\_1\_-\_grease\_interceptors\_2023-06-26.pdf

# Proposal #1 Grease Interceptors

## National Plumbing Code of Canada

Code change request

Code change

To the existing code provision

Add new code provision

Document (select):

National Plumbing Code of Canada 2020

Code reference of the requested change: Article, Sentence, etc. (e.g. 9.32.3.5.)

Clause 2.2.3.2 Interceptors, Table 1.3.1.2 and Note A-2.2.3.2.(3) Grease Interceptors

### Subject

What is the subject of the code change or the existing code provision title?

Update the references to CSA B481 to the latest versions of the grease interceptor standards

### Problem

Why should the existing provision be revised, or if requesting an addition to the code, what is missing?

New harmonized standards have been published by CSA and ASME for grease interceptors (ASME A112.14.3/CSA B481.1) and grease removal devices (ASME A112.14.4/CSA B481.5). Several sections of the CSA B481 series of standards have been deleted (CSA B481.0, B481.3, B481.4)

### Requested change/addition

What wording do you propose for the change?

#### **2.2.3.2. Interceptors**

1) *Interceptors* shall be designed so that they can be readily cleaned.

2) Grease *interceptors* shall a) be designed so that they do not become air bound, and b) not have a water jacket.

3) Grease *interceptors* shall be selected and installed in conformance with [ASME A112.14.3/CSA B481.1](#) ~~CSA B481.0, "Material, design, and construction requirements for grease interceptors," and b)~~

~~CSA B481.3, “Sizing, selection, location, and installation of grease interceptors.” (See Note A-2.2.3.2.(3).)~~

4) Hydromechanical Grease Interceptors shall comply with ASME A112.14.3/CSA B481.1 “Hydromechanical grease interceptors”

5) Grease Removal devices shall comply with ASME A112.14.4/CSA B481.5 “Grease removal devices”

Note: Update reference table in NPC 1.3.1.2

Issuing Agency	Document Number	Title of Document	Code Reference
<del>CSA</del>	<del>B481.12</del>	<del>Material, design, and construction requirements for grease interceptors</del>	<del>2.2.3.2.(3)</del>
<del>CSA</del>	<del>B481.3-12</del>	<del>Sizing, selection, location, and installation of grease interceptors</del>	<del>2.2.3.2.(3)</del>
<del>CSA</del>	<del>B481.4-12</del>	<del>Maintenance of grease interceptors</del>	<del>A-2.2.3.2.(3)</del>
<u>ASME/CSA</u>	<u>A112.14.3/CSA B481.1</u>	<u>Hydromechanical grease interceptors</u>	2.2.3.2.(3), <u>2.2.3.2.(4)</u> , A-2.2.3.2.(3)
<u>ASME/CSA</u>	<u>A112.14.4/CSA B481.5</u>	<u>Grease removal devices</u>	<u>2.2.3.2.(5)</u>

**A-2.2.3.2.(3) Grease Interceptors.** ASME A112.14.3/CSA B481.14, Annex G- “Maintenance of grease interceptors,” is considered to represent good practice regarding procedures for the maintenance of grease interceptors.

#### Justification

The new standards provide harmonized requirements for the Canadian and US markets. This will improve trade accessibility between the countries and ease supply chain issues.

#### Objectives

2020 NPC OH1 Indoor Conditions

2020 NPC OP Protection of the Building or Facility from Water and Sewage Damage

#### Impact analysis

Will the change entail any added costs? Will it provide benefits that are measurable?

No added costs are anticipated from adopting the harmonized standards. With products able to meet a single harmonized standard, it should make it easier for manufacturers to certify their product and ease supply chain issues.

#### Enforcement implications

Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?

The new standards will not require any significant changes to the enforcement activities. The B481 series was already recognized by the code. The new versions streamline the standards from five sections down to two.

#### Other Comments

---

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2054**

CCR No.: 2054  
Title: Introduction of Referenced Standards for Drainage Products  
Description: This proposed change introduces referenced standards related to drainage products (such as cleanout fittings) on the basis that new harmonized standards have been developed. It adds dedicated requirements for floor drains, trench drains, floor sinks, floor sinks, roof drains and siphonic roof drains.  
Proponent: David Orton  
NSF  
Submitted: 2023-06-29  
Code Reference(s): NPC20 Div.B 2.2.10.3., NPC20 Div.B Table 1.3.1.2.  
Standing Committee(s): HVAC and Plumbing

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-07-05 — Received

### 2023-09-13 — Sorted

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1 469,1456, 1454, 1452, 1340
- **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807,

---

1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777,  
1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468,  
1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2054

Proponent: David Orton  
NSF

Function: Other, Other (Test Lab and Certification Body)

Submitted: 2023-06-29

Type of Change: Add a new code provision

Code Reference(s): 2020 National Plumbing Code (NPC) Update "Clause 2.2 Materials and Equipment" and Table 1.3.1.2 with new harmonized drainage standards

### Subject

Add code language and references for the new harmonized standards for drainage products. Update "Clause 2.2 Materials and Equipment" to add requirements for floor drains, floor sinks, trench drains, and roof drains. Also update the list of standards in Ta

### Problem

New harmonized standards have been published by CSA and ASME for drainage products. The CSA B79 standard was published in 1994 but never specifically recognized by the NPC. Recognizing the harmonized standards in section 2.2 and Table 1.3.1.2 will provide a uniform set of requirements for design, materials and performance. The harmonized test methods will improve building safety with performance tests for loading floor drains and for flow tests on roof drains.

### Requested Change/Addition

Refer to email attachment with redline markup.

#### 2.2.10.3. Cleanout Fittings

- 1) Every plug, cap, nut or bolt that is intended to be removable from a ferrous fitting shall be of a non-ferrous material.
- 2) A cleanout fitting that, as a result of normal maintenance operations, cannot withstand the physical stresses of removal and reinstallation or cannot ensure a gas-tight seal shall not be installed.
- 3) Cleanouts shall comply with ASME A112.36.2/CSA B79.2, CSA B181.1, CSA B181.2 or CSA B181.3.

#### 2.2.11 Floor and Trench drains and Floor sinks

##### 2.2.11.1 Floor and trench drains

Floor drains shall comply with ASME A112.6.3/CSA B79.3. Trench drains shall comply with ASME A112.6.8/CSA B79.8.

##### 2.2.11.2 Floor sinks

Floor sinks shall comply with ASME A112.6.7/CSA B79.7.

#### 2.2.12 Roof Drains

##### 2.2.12.1 Roof, deck, and balcony drains

Roof, deck, and balcony drains shall comply with ASME A112.6.4/CSA B79.4

##### 2.2.12.2 Siphonic roof drains

Siphonic roof drains shall comply with ASME A112.6.9/CSA B79.9

Updated reference table in NPC 1.3.1.2

Issuing Agency	Document Number	Title of Document	Code Reference
ASME/CSA	A112.6.3/B79.3	Floor drains	2.2.11.2
ASME/CSA	A112.6.4/B79.4	Roof, deck, and balcony drains	2.2.12.1
ASME/CSA	A112.6.7/B79.7	Sanitary floor sinks	2.2.11.2
ASME/CSA	A112.6.8/B79.8	Trench drains	2.2.11.1

## Justification/Explanation

The new standards provide harmonized requirements for the Canadian and US markets. This will improve trade accessibility between the countries and ease supply chain issues. It will also provide a uniform set of requirements for design, materials and performance. The floor and trench drain standards include performance tests to determine the safe live load of the drain grates. The roof drain standards include performance tests to determine the flow rates the drains can deliver at different water depths. This data is critical in the design of roofing systems and storm water drainage systems for heavy rain events.

## Objective(s)

NBC-OH1, NPC-OP

## Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

No added costs are anticipated from adopting the harmonized standards. With products able to meet a single harmonized standard, it should make it easier for manufacturers to certify their product and ease supply chain issues.

## Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

Compliance with the harmonized standards can be verified using existing enforcement activities.

## Other Comments

This code change is respectfully submitted on behalf of the CSA B79/B481 and ASME A112 standards committees. Refer to email attachments for redline markup.

Sincerely  
David Orton  
Chair, CSA B79/B81 technical committee

## Attached Supporting Material

- ccr\_2054\_-\_npc\_proposal\_2\_-\_floor\_and\_trench\_drains\_2023-06-26.pdf

# Proposal #2 Adding Harmonized Floor Drainage Standards

## National Plumbing Code of Canada

Code change request

Code change

To the existing code provision

Add new code provision

Document (select):

National Plumbing Code of Canada 2020

Code reference of the requested change: Article, Sentence, etc. (e.g. 9.32.3.5.)

Update "Clause 2.2 Materials and Equipment" and Table 1.3.1.2 with new harmonized drainage standards

### Subject

What is the subject of the code change or the existing code provision title?

Add code language and references for the new harmonized standards for drainage products. Update "Clause 2.2 Materials and Equipment" to add requirements for floor drains, floor sinks, trench drains, and roof drains. Also update the list of standards in Table 1.3.1.2

Problem

Why should the existing provision be revised, or if requesting an addition to the code, what is missing?

New harmonized standards have been published by CSA and ASME for drainage products. The CSA B79 standard was published in 1994 but never specifically recognized by the NPC. Recognizing the harmonized standards in section 2.2 and Table 1.3.1.2 will provide a uniform set of requirements for design, materials and performance. The harmonized test methods will improve building safety with performance tests for loading floor drains and for flow tests on roof drains.

Requested change/addition

What wording do you propose for the change?

2.2.10.3. Cleanout Fittings

1) Every plug, cap, nut or bolt that is intended to be removable from a ferrous fitting shall be of a non-ferrous material.

2) A cleanout fitting that, as a result of normal maintenance operations, cannot withstand the physical stresses of removal and reinstallation or cannot ensure a gas-tight seal shall not be installed.

3) Cleanouts shall comply with ASME A112.36.2/CSA B79.2, CSA B181.1, CSA B181.2 or CSA B181.3.

### 2.2.11 Floor and Trench drains and Floor sinks

#### 2.2.11.1 Floor and trench drains

Floor drains shall comply with ASME A112.6.3/CSA B79.3. Trench drains shall comply with ASME A112.6.8/CSA B79.8.

#### 2.2.11.2 Floor sinks

Floor sinks shall comply with ASME A112.6.7/CSA B79.7.

### 2.2.12 Roof Drains

#### 2.2.12.1 Roof, deck, and balcony drains

Roof, deck, and balcony drains shall comply with ASME A112.6.4/CSA B79.4

#### 2.2.12.2 Siphonic roof drains

Siphonic roof drains shall comply with ASME A112.6.9/CSA B79.9

Updated reference table in NPC 1.3.1.2

Issuing Agency	Document Number	Title of Document	Code Reference
<a href="#">ASME/CSA</a>	<a href="#">A112.6.3/B79.3</a>	<a href="#">Floor drains</a>	<a href="#">2.2.11.2</a>
<a href="#">ASME/CSA</a>	<a href="#">A112.6.4/B79.4</a>	<a href="#">Roof, deck, and balcony drains</a>	<a href="#">2.2.12.1</a>
<a href="#">ASME/CSA</a>	<a href="#">A112.6.7/B79.7</a>	<a href="#">Sanitary floor sinks</a>	<a href="#">2.2.11.2</a>
<a href="#">ASME/CSA</a>	<a href="#">A112.6.8/B79.8</a>	<a href="#">Trench drains</a>	<a href="#">2.2.11.1</a>

<a href="#">ASME/CSA</a>	<a href="#">A112.6.9/B79.9</a>	<a href="#">Siphonic roof drains</a>	<a href="#">2.2.12.2</a>
<a href="#">ASME/CSA</a>	<a href="#">A112.36.2/B79.2</a>	<a href="#">Cleanouts</a>	<a href="#">2.2.10.3(3)</a>

#### Justification

The new standards provide harmonized requirements for the Canadian and US markets. This will improve trade accessibility between the countries and ease supply chain issues. It will also provide a uniform set of requirements for design, materials and performance. The floor and trench drain standards include performance tests to determine the safe live load of the drain grates. The roof drain standards include performance tests to determine the flow rates the drains can deliver at different water depths. This data is critical in the design of roofing systems and storm water drainage systems for heavy rain events.

#### Objectives

2020 NPC OH1 Indoor Conditions

2020 NPC OP Protection of the Building or Facility from Water and Sewage Damage

#### Impact analysis

Will the change entail any added costs? Will it provide benefits that are measurable?

No added costs are anticipated from adopting the harmonized standards. With products able to meet a single harmonized standard, it should make it easier for manufacturers to certify their product and ease supply chain issues.

#### Enforcement implications

Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?

Compliance with the harmonized standards can be verified using existing enforcement activities.

#### Other Comments

---



**Summary for Canadian Board for Harmonized Construction Codes — CCR 2064**

CCR No.: 2064  
Title: Installation of Non-Liquid Saturated Treatment Systems  
Description: This request for change introduces requirements for a composting toilet installed in a single-family dwelling unit.  
Proponent: Dave DL Letourneau , Monsieur  
Régie du bâtiment du Québec  
Submitted: 2023-07-11  
Code Reference(s): NBC20 Div.B Table 1.3.1.2., NBC20 Div.B 3.7.2.1., NBC20 Div.B 9.31.4.1.  
Standing Committee(s): HVAC and Plumbing, Housing and Small Buildings, Use and Egress  
Related Code Change Request(s): • CCR 1705 - Waterless Toilets

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-07-12 — Received

### 2023-09-13 — Sorted

### 2023-10-19 — Canadian Board for Harmonized Construction Codes — Analyzed

Article 3.7.2.1 of Division B of the National Building Code (NBC) 2020 address health requirements on plumbing and drainage systems. Article 9.31.4.1 addresses the required fixtures for every dwelling unit where a piped water supply is available.

This code change request (CCR) provides new requirements for composting toilets in an existing single-family dwelling unit conforming to ANSI/NSF 41, "Non-liquid saturated treatment systems" and new mechanical ventilation requirement for composting toilets. In reviewing the CCR, it should be noted that:

- Composting toilets are not regulated in the current NBC.
- The requested changes are limited to existing single-family dwelling units.
- ANSI/NSF 41 is a new standard that is not currently referenced in the Code.
- The rationale states that the new requirement for composting toilet will help protect the water quality of waterways. But there is no existing objective in the NBC that can be attributed to such requirement.
- The requested change on mechanical ventilation could be attributed to OH2.1 objective.

If the CBHCC agrees, this CCR could be considered as a future task. Depending on whether the new requirements intend to protect waterways, a new objective may need to be introduced into the NBC. If the CBHCC feels there is no technical merit in the CCR, it can be rejected.

### 2023-11-16 — Canadian Board for Harmonized Construction Codes — Reviewed — Decision: Develop

At its meeting on November 16th, the CBHCC agreed to consider CCR 2064 in future work planning.

### 2024-06-05 — Use and Egress — Reviewed — Decision: Develop (2020-44 SCUE)

It was suggested that this CCR is more closely related to the mandates of HP and potentially HSB. It was suggested to agree to consider the CCR in future work planning.

**Recommendation:** Consider for future work planning.

---

## Translated Code Change Request 2064

Proponent: Dave DL Letourneau , Monsieur  
Régie du bâtiment du Québec

Function: Building / Fire / Plumbing Official

Submitted: 2023-07-11

Type of Change: To the existing code provision

Code Reference(s): 2020 National Building Code (NBC) Article 1.3.1.2. and Sentences  
3.7.2.1.(5) [proposed], B 9.31.4.1.(1) and (2) [proposed] of  
Division B

### Subject

Composting toilets

### Problem

This proposed change aims to protect the water quality of waterways.

### Requested Change/Addition

#### 1.3.1.2. Applicable Editions

1) Where documents are referenced in this Code, they shall be the editions designated in Table 1.3.1.2.

Table 1.3.1.2.  
Documents Referenced in the National Building Code of Canada 2020(1)(2)  
Forming Part of Sentence 1.3.1.2.(1)

Issuing Agency	Document Number(3)	Title of Document	Code Reference
<u>NSF/ANSI</u>	<u>41-2018</u>	<u>Non-Liquid Saturated Treatment Systems</u>	<u>9.31.4.1.(2)(e)</u>

#### 3.7.2.1. Plumbing and Drainage Systems

- 1) Except as provided in Sentence (2), for the purpose of this Subsection, the occupant load shall be determined in accordance with Subsection 3.1.17.
- 2) For the purpose of this Subsection, the *occupant load for floor areas* that are classified as an *industrial occupancy* is permitted to be based solely on the total number of staff for which the *floor area* is designed, where the *floor area* is only intermittently occupied or where the presence of occupants is transitory. (See Note A-3.7.2.1.(2).)
- 3) Except as permitted in Sentence (4), if the installation of a *sanitary drainage system* is not possible because of the absence of a water supply, sanitary privies, chemical closets or other means for the disposal of human waste shall be provided.
- 4) Waterless urinals are permitted to be used in *buildings* provided with a water supply.
- 5) Composting toilets that operate without water and without drains, overflows, effluent or other types of discharge are permitted to be installed in an existing single-family dwelling unit in accordance with Sentence 9.31.4.1.(2).

#### 9.31.4.1. Required Fixtures

- 1) Except as provided in Sentence (2), a kitchen sink, lavatory, bathtub or shower, and water closet shall be provided for every dwelling unit where a piped water supply is available.
- 2) A composting toilet that operates without water and without a drain, overflow, effluent or other type of discharge is permitted to be installed in a single-family dwelling unit, provided the composting toilet
  - a) is in an existing dwelling unit,
  - b) is mechanically ventilated and has a ventilation duct that is independent of any other ventilation duct or

plumbing system, and  
c) conforms to NSF/ANSI 41, "Non-Liquid Saturated Treatment Systems."

### **Justification/Explanation**

This proposed change aims to better protect the water quality of waterways.

Wastewater must be treated in such a way as to limit the discharge of contaminants by certain houses that are located too close to waterways, on lots that are too small, and/or with soil that filters little if at all.

The installation of a composting toilet allows for the disposal of this wastewater.

### **Objective(s)**

NBC-OH2.1, NBC-OH2.3

### **Impact Analysis**

*Will the change entail any added costs? Will it provide benefits that are measurable?*

No impact because this proposed change involves a design choice.

### **Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

The authority having jurisdiction would be able to ensure enforcement of this proposed change without additional staff.

### **Other Comments**

*none*

### **Attached Supporting Material**

- ccr\_2064\_-\_4final.pdf

## Original Code Change Request 2064

Proposant : Dave DL Letourneau , Monsieur  
Régie du bâtiment du Québec

Poste : Agent du bâtiment, de la sécurité incendie ou de la plomberie

Envoyée : 2023-07-11

Type de modification : Modification à une disposition existante

Renvoi(s) au code : 2020 Code national du bâtiment (CNB) Div B 1.3.1.2. Div B 3.7.2.1.5) Div B 9.31.4.1.1) Div B 9.31.4.1.2) Div B 9.37.1.1.

### Sujet

Toilettes à compost

### Problème

Cette modification vise à protéger la qualité de l'eau des cours d'eau.

### Modification ou ajout proposé

#### 1.3.1.2. Editions pertinentes

1) Les éditions des documents qui sont incorporées par renvoi dans le CNB sont celles désignées au tableau 1.3.1.2.

#### Tableau 1.3.1.2.

Documents incorporés par renvoi dans le Code national du bâtiment - Canada 2020(1)(2)  
Faisant partie intégrante du paragraphe 1.3.1.2. 1)

Organisme Désignation(2) Titre(3) Renvoi  
NSF/ANSI 41-2018 Non-liquid Saturated Treatment Systems 9.31.4.1.2)e)

#### 3.7.2.1. Installations de plomberie et réseaux sanitaires d'évacuation

- 1) Sous réserve du paragraphe 2), aux fins de la présente sous-section, le nombre de personnes doit être déterminé conformément à la sous-section 3.1.17.
- 2) Aux fins de la présente sous-section, le nombre de personnes pour les aires de plancher classées comme établissements industriels peut être fondé seulement sur le nombre total d'employés pour lequel l'aire de plancher est conçue, dans le cas où l'aire de plancher est seulement occupée de façon intermittente ou lorsqu'il y a présence temporaire de personnes (voir la note A-3.7.2.1. 2)).
- 3) Sous réserve du paragraphe 4), si un réseau sanitaire d'évacuation ne peut être installé faute d'alimentation en eau, il faut mettre en place des latrines, des toilettes chimiques ou d'autres moyens pour l'évacuation des matières fécales.
- 4) Les urinoirs sans eau peuvent être installés dans les bâtiments comportant une alimentation en eau.
- 5) Une toilette à compost fonctionnant sans eau et sans effluent, drain, trop-plein ou autres types de rejet peut être installée dans une maison unifamiliale existante conformément au paragraphe 9.31.4.1. 2).

#### 9.31.4.1. Appareils sanitaires

- 1) Sous réserve du paragraphe 2), il faut prévoir, dans tout logement où il y a l'eau courante, un évier, un lavabo, une baignoire ou une douche, et une toilette.
- 2) Une toilette à compost fonctionnant sans eau et sans effluent, drain, trop-plein ou autres types de rejet peut être installée dans une maison unifamiliale aux conditions suivantes :
  - a) la maison doit être existante;
  - b) la toilette est ventilée mécaniquement et le conduit de ventilation est indépendant de tout autre conduit

de ventilation et de l'installation de plomberie; et  
c) la toilette est conforme à la norme NSF/ANSI 41, « Non-Liquid Systems ».

### **Justification ou explication**

Cette modification vise à mieux protéger la qualité de l'eau des cours d'eau.  
Certaines résidences installées trop près des cours d'eau sur des terrains trop petits et/ou ayant des sols ne percolant pas ou très peu doivent traiter leurs eaux usées de manière à limiter le rejet de contaminants. L'installation d'une toilette à composte permet d'éliminer ce rejet.

### **Objectifs**

CNB-OH2.1, CNB-OH2.3

### **Analyse des répercussions**

*La modification entraînera-t-elle des coûts supplémentaires? Des avantages financiers en découleront-ils?*

Aucun impact car il s'agit d'un choix du concepteur.

### **Incidences en matière d'application**

*Les organismes chargés de l'application de ce code sont-ils en mesure de veiller à l'application de la modification demandée ou leur faudra-t-il augmenter leurs ressources?*

L'autorité compétente sera en mesure de veiller à l'application de cette mesure sans effectifs additionnels.

### **Autres observations**

*aucun*

### **Documents justificatifs**

- ccr\_2064\_-\_4final.pdf

## Renseignements personnels

**Prénom** : Dave

**Initiale (s)** : DL

**Nom** : Letourneau

**Désignation** : Monsieur

**Titre** : Conseiller à la réglementation

**Organisme** : RBQ

**Téléphone** : 418-695-7943

**Télécopieur** : Cliquez ou appuyez ici pour entrer du texte.

**Courriel** : [dave.letourneau@rbq.gouv.qc.ca](mailto:dave.letourneau@rbq.gouv.qc.ca)

**Confirmer le courriel** : [dave.letourneau@rbq.gouv.qc.ca](mailto:dave.letourneau@rbq.gouv.qc.ca)

**Langue préférée** :

Anglais

Français

## Adresse

Canada

États-Unis

Autre

## Rôle

**Lequel ou lesquels de ces rôles s'appliquent ?**

Agent du bâtiment, de la sécurité incendie ou de la plomberie

Constructeur ou entrepreneur

Concepteur, architecte ou ingénieur

Fournisseur ou fabricant

Gestionnaire ou propriétaire de bâtiment

Propriétaire ou grand public

Autre

## Demande de modification à un code

### Modification à un code

Modification à une disposition existante

Ajout d'une nouvelle disposition au code

## Document

- Code national du bâtiment – Canada 2020
- Code national de prévention des incendies – Canada 2020
- Code national de la plomberie – Canada 2020
- Code national de l'énergie pour les bâtiments – Canada 2020

## Renvoi de la modification demandée : article, paragraphe, etc. (p.ex. 9.32.3.5.)

Div B 1.3.1.2.

Div B 3.7.2.1.5)

Div B 9.31.4.1.1)

Div B 9.31.4.1.2)

Div B 9.37.1.1.

**Sujet**

**Quel est le sujet de la modification au code ou le titre de l'exigence actuelle du code ?**

Toilettes à compost

## **Problème**

**Pourquoi la disposition actuelle doit-elle être révisée ou, si vous proposez un ajout, quelle lacune vise-t-il à combler ?**

Cette modification vise à protéger la qualité de l'eau des cours d'eau.

# Modification ou ajout proposés

Comment proposez-vous de formuler la modification ?

## 1.3.1.2. Editions pertinentes

1) Les éditions des documents qui sont incorporées par renvoi dans le CNB sont  
**celles désignées au tableau 1.3.1.2.**

**Tableau 1.3.1.2.**

**Documents incorporés par renvoi dans le Code national du bâtiment - Canada 2020<sup>(1)(2)</sup>**

Faisant partie intégrante du paragraphe 1.3.1.2. 1)

Organisme	Désignation <sup>(2)</sup>	Titre <sup>(3)</sup>	Renvoi
NSF/ANSI	41-2018	Non-liquid Saturated Treatment Systems	9.31.4.1.2)e)

## 3.7.2.1. Installations de plomberie et réseaux sanitaires d'évacuation

**1)** Sous réserve du paragraphe 2), aux fins de la présente sous-section, le *nombre de personnes* doit être déterminé conformément à la sous-section 3.1.17.

**2)** Aux fins de la présente sous-section, le *nombre de personnes* pour les *aires de plancher* classées comme *établissements industriels* peut être fondé seulement sur le nombre total d'employés pour lequel l'*aire de plancher* est conçue, dans le cas où l'*aire de plancher* est seulement occupée de façon intermittente ou lorsqu'il y a présence temporaire de personnes (voir la note A-3.7.2.1. 2)).

**3)** Sous réserve du paragraphe 4), si un *réseau sanitaire d'évacuation* ne peut être installé faute d'alimentation en eau, il faut mettre en place des latrines, des toilettes chimiques ou d'autres moyens pour l'évacuation des matières fécales.

**4)** Les urinoirs sans eau peuvent être installés dans les *bâtiments* comportant une alimentation en eau.

**5)** Une toilette à compost fonctionnant sans eau et sans effluent, drain, trop-plein ou autres types de rejet peut être installée dans une maison unifamiliale existante conformément au paragraphe 9.31.4.1. 2).

#### **9.31.4.1. Appareils sanitaires**

**1) Sous réserve du paragraphe 2),** il faut prévoir, dans tout *logement* où il y a l'eau courante, un évier, un lavabo, une baignoire ou une douche, et une toilette.

**2) Une toilette à compost fonctionnant sans eau et sans effluent, drain, trop-plein ou autres types de rejet peut être installée dans une maison unifamiliale aux conditions suivantes :**

a) la maison doit être existante;

b) la toilette est ventilée mécaniquement et le conduit de ventilation est indépendant de tout autre conduit de ventilation et de l'installation de plomberie; et

c) la toilette est conforme à la norme NSF/ANSI 41, « Non-Liquid Systems ».

#### **Justification / explication**

Cette modification vise à mieux protéger la qualité de l'eau des cours d'eau.

Certaines résidences installées trop près des cours d'eau sur des terrains trop petits et/ou ayant des sols ne percolant pas ou très peu doivent traiter leurs eaux usées de manière à limiter le rejet de contaminants.

L'installation d'une toilette à composte permet d'éliminer ce rejet.

## Objectif (s)

Si vous proposez un ajout ou une révision au code, à quels objectifs la modification proposée se rapporte-t-elle? Consultez la partie 2 de la division A du CNB 2020, du CNPI 2020, du CNP 2020, et du CNÉB 2020 pour obtenir la liste des objectifs de chaque code.

### À quels objectifs la modification proposée se rapporte-t-elle ?

- CNB 2020 OA Accessibilité
- CNB 2020 OA1 Parcours sans obstacles
- CNB 2020 OA2 Installations sans obstacles
- CNB 2020 OE Environnement
- CNB 2020 OE1 Ressources
- CNB 2020 OE1.1 une utilisation excessive de l'énergie
- CNB 2020 OH Santé
- CNB 2020 OH1 Conditions intérieures
- CNB 2020 OH1.1 une qualité inadéquate de l'air à l'intérieur du bâtiment
- CNB 2020 OH1.2 un confort thermique inadéquat
- CNB 2020 OH1.3 le contact avec l'humidité
- CNB 2020 OH2 Salubrité
- CNB 2020 OH2.1 l'exposition à des ordures ménagères, à des matières fécales ou à des eaux usées
- CNB 2020 OH2.2 la consommation d'eau contaminée
- CNB 2020 OH2.3 des installations inadéquates au maintien de l'hygiène personnelle
- CNB 2020 OH2.4 le contact avec des surfaces contaminées
- CNB 2020 OH2.5 le contact avec des animaux nuisibles et des insectes
- CNB 2020 OH3 Protection contre le bruit

- CNB 2020 OH3.1 l'exposition à des bruits aériens transmis à travers les ensembles de construction qui séparent les logements des espaces contigus à l'intérieur du bâtiment
- CNB 2020 OH4 Limitation des vibrations et des fléchissements
- CNB 2020 OH5 Confinement des substances dangereuses
- CNB 2020 OP Protection du bâtiment contre l'incendie et les dommages structuraux
- CNB 2020 OP1 Protection du bâtiment contre l'incendie
- CNB 2020 OP1.1 le déclenchement d'un incendie ou une explosion
- CNB 2020 OP1.2 un incendie ou une explosion touchant des aires au-delà de son point d'origine
- CNB 2020 OP1.3 l'effondrement d'éléments physiques provoqué par un incendie ou une explosion
- CNB 2020 OP1.4 la défaillance des systèmes de sécurité incendie
- CNB 2020 OP2 Résistance structurale du bâtiment
- CNB 2020 OP2.1 des charges imposées aux éléments du bâtiment qui dépassent leur résistance aux charges
- CNB 2020 OP2.2 des charges imposées au bâtiment qui dépassent les propriétés de résistance aux charges de l'élément porteur
- CNB 2020 OP2.3 des dommages aux éléments du bâtiment ou une détérioration de ceux-ci
- CNB 2020 OP2.4 la vibration ou le fléchissement des éléments du bâtiment
- CNB 2020 OP2.5 l'instabilité du bâtiment ou d'une partie de celui-ci
- CNB 2020 OP2.6 l'instabilité ou le déplacement de l'élément porteur
- CNB 2020 OP3 Protection des bâtiments voisins contre l'incendie
- CNB 2020 OP3.1 un incendie ou une explosion touchant des aires au-delà du bâtiment d'origine
- CNB 2020 OP4 Protection des bâtiments voisins contre les dommages structuraux
- CNB 2020 OP4.1 le tassement de l'élément porteur des bâtiments voisins

- CNB 2020 OP4.2 l'effondrement du bâtiment, ou d'une partie de celui-ci, sur les bâtiments voisins
- CNB 2020 OP4.3 le choc du bâtiment sur les bâtiments voisins
- CNB 2020 OP4.4 l'effondrement des parois de l'excavation
- CNB 2020 OS Sécurité
- CNB 2020 OS1 Sécurité incendie
- CNB 2020 OS1.1 le déclenchement d'un incendie ou une explosion
- CNB 2020 OS1.2 un incendie ou une explosion touchant des aires au-delà de son point d'origine
- CNB 2020 OS1.3 l'effondrement d'éléments physiques provoqué par un incendie ou une explosion
- CNB 2020 OS1.4 la défaillance des systèmes de sécurité incendie
- CNB 2020 OS1.5 le retard ou l'impossibilité des personnes à se mettre à l'abri en cas d'incendie
- CNB 2020 OS2 Sécurité structurale
- CNB 2020 OS2.1 des charges imposées aux éléments du bâtiment qui dépassent leur résistance aux charges
- CNB 2020 OS2.2 des charges imposées au bâtiment qui dépassent les propriétés de résistance aux charges de l'élément porteur
- CNB 2020 OS2.3 des dommages aux éléments du bâtiment ou leur détérioration
- CNB 2020 OS2.4 la vibration ou le fléchissement des éléments du bâtiment
- CNB 2020 OS2.5 l'instabilité du bâtiment ou d'une partie de celui-ci
- CNB 2020 OS2.6 l'effondrement des parois de l'excavation
- CNB 2020 OS3 Sécurité liée à l'utilisation
- CNB 2020 OS3.1 un faux pas, une chute, un contact physique, une noyade ou une collision
- CNB 2020 OS3.2 le contact avec une substance ou une surface chaude
- CNB 2020 OS3.3 le contact avec de l'équipement sous tension

- CNB 2020 OS3.4 l'exposition à des substances dangereuses
- CNB 2020 OS3.5 l'exposition au bruit de forte intensité d'un système d'alarme incendie
- CNB 2020 OS3.6 la prise au piège de personnes dans un espace clos
- CNB 2020 OS3.7 le retard ou l'impossibilité des personnes à se mettre à l'abri en cas d'urgence
- CNB 2020 OS4 Résistance à l'intrusion
- CNB 2020 OS4.1 l'entrée par effraction d'intrus par des portes ou des fenêtres verrouillées
- CNB 2020 OS4.2 l'incapacité des occupants à identifier les intrus potentiels
- CNB 2020 OS5 Sécurité aux abords des chantiers
- CNB 2020 OS5.1 la projection d'objets sur les voies publiques
- CNB 2020 OS5.2 des accidents impliquant des véhicules sur les voies publiques
- CNB 2020 OS5.3 des dommages causés aux voies publiques ou leur obstruction
- CNB 2020 OS5.4 l'accumulation d'eau dans les excavations
- CNB 2020 OS5.5 l'accès au chantier
- CNB 2020 OS5.6 l'exposition à des substances ou à des activités dangereuses
- CNB 2020 OS5.7 des charges imposées à un passage couvert qui dépassent sa résistance aux charges
- CNB 2020 OS5.8 l'effondrement des parois de l'excavation
- CNB 2020 OS5.9 le retard ou l'impossibilité des personnes à se mettre à l'abri en cas d'urgence
  
- CNPI 2020 OH Santé
- CNPI 2020 OH5 Confinement des substances dangereuses
- CNPI 2020 OP Protection du bâtiment contre l'incendie et les dommages structuraux

- CNPI 2020 OP1 Protection du bâtiment contre l'incendie
- CNPI 2020 OP1.1 le déclenchement d'un incendie ou une explosion
- CNPI 2020 OP1.2 un incendie ou une explosion touchant des aires au-delà de son point d'origine
- CNPI 2020 OP1.3 l'effondrement d'éléments physiques provoqué par un incendie ou une explosion
- CNPI 2020 OP1.4 la défaillance des systèmes de sécurité incendie
- CNPI 2020 OP3 Protection des bâtiments voisins contre l'incendie
- CNPI 2020 OP3.1 un incendie ou une explosion touchant des aires au-delà du bâtiment d'origine
- CNPI 2020 OS Sécurité
- CNPI 2020 OS1 Sécurité incendie
- CNPI 2020 OS1.1 le déclenchement d'un incendie ou une explosion
- CNPI 2020 OS1.2 un incendie ou une explosion touchant des aires au-delà de son point d'origine
- CNPI 2020 OS1.3 l'effondrement d'éléments physiques provoqué par un incendie ou une explosion
- CNPI 2020 OS1.4 la défaillance des systèmes de sécurité incendie
- CNPI 2020 OS1.5 le retard ou l'impossibilité des personnes à se mettre à l'abri en cas d'incendie
- CNPI 2020 OS3 Sécurité liée à l'utilisation
- CNPI 2020 OS3.1 un faux pas, une chute, un contact physique, une noyade ou une collision
- CNPI 2020 OS3.2 le contact avec une substance ou une surface chaude
- CNPI 2020 OS3.3 le contact avec de l'équipement sous tension
- CNPI 2020 OS3.4 l'exposition à des substances dangereuses
- CNPI 2020 OS3.7 le retard ou l'impossibilité des personnes à se mettre à l'abri en cas d'urgence

- CNP 2020 OE Environnement
- CNP 2020 OE1 Ressources
- CNP 2020 OE1.2 une utilisation excessive de l'eau
- CNP 2020 OH Santé
- CNP 2020 OH1 Conditions intérieures
- CNP 2020 OH1.1 une qualité inadéquate de l'air à l'intérieur du bâtiment
- CNP 2020 OH2 Salubrité
- CNP 2020 OH2.1 l'exposition à des ordures ménagères, à des matières fécales ou à des eaux usées
- CNP 2020 OH2.2 la consommation d'eau contaminée
- CNP 2020 OH2.3 des installations inadéquates au maintien de l'hygiène personnelle
- CNP 2020 OH2.4 le contact avec des surfaces contaminées
- CNP 2020 OH5 Confinement des substances dangereuses
- CNP 2020 OP Protection du bâtiment ou de l'installation contre les dégâts d'eau
- CNP 2020 OP5 Protection du bâtiment ou de l'installation contre les dégâts d'eau
- CNP 2020 OS Sécurité
- CNP 2020 OS1 Sécurité incendie
- CNP 2020 OS1.1 le déclenchement d'un incendie ou une explosion
- CNP 2020 OS1.4 la défaillance des systèmes de sécurité incendie
- CNP 2020 OS2 Sécurité structurale
- CNP 2020 OS2.1 des charges imposées aux éléments du bâtiment qui dépassent leur résistance aux charges
- CNP 2020 OS3 Sécurité liée à l'utilisation
- CNP 2020 OS3.1 un faux pas, une chute, un contact physique, une noyade, ou une collision

- CNP 2020 OS3.2 le contact avec une substance ou une surface chaude
- CNP 2020 OS3.4 l'exposition à des substances dangereuses
- CNÉB 2020 OE Environnement
- CNÉB 2020 OE1 Ressources
- CNÉB 2020 OE1.1 une utilisation excessive d'énergie

## **Analyse des répercussions**

**La modification entraînera-t-elle des coûts supplémentaires ? Des avantages financiers en découleront-ils ?**

Aucun impact car il s'agit d'un choix du concepteur.

## **Répercussions sur la mise en application**

**Les organismes chargés de l'application de ce code sont-ils en mesure de veiller à l'application de la modification demandée ou leur faudra-t-il augmenter leurs ressources ?**

L'autorité compétente sera en mesure de veiller à l'application de cette mesure sans effectifs additionnels.

## Autres observations

**Par exemple, indiquez les exigences des codes qui seront touchées par la modification demandée.**

Cliquez ou appuyez ici pour entrer du texte.

## Documents justificatifs

Veillez soumettre tout document justificatif sous pli séparé. Vous pouvez envoyer ces documents en format PDF par courriel à [codes.demandemodifi@nrc-cnrc.gc.ca](mailto:codes.demandemodifi@nrc-cnrc.gc.ca). Vous pouvez également les envoyer par télécopieur au (613) 952-4040 ou par la poste à l'adresse suivante :

*CodesCanada  
Conseil national de recherches du Canada  
Édifice M-20, 1200 chemin de Montréal  
Ottawa (Ontario) K1A 0R6*

## Summary for Canadian Board for Harmonized Construction Codes — CCR 2123

CCR No.:	2123
Title:	Add an Clause to Div. B, 2.1.3.5. to refer to NFPA 2001, Clean Agent Fire Extinguishing system
Description:	This code change requests to add a clause to Div. B, 2.1.3.5. to refer to NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems.
Proponent:	Bob Grundie WestCan Fire Safety Services
Submitted:	2023-09-23
Code Reference(s):	NFC20 Div.B 2.1.3.5.
Standing Committee(s):	Fire Protection
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 1231 - New Standards for the Design and Installation of Special Fire Suppression System</li><li>• CCR 1362 - New Standards for the Design and Installation of Special Fire Suppression System</li><li>• CCR 1653 - New Standard for the Design and Installation of Hybrid Water and Inert Gas Fire Suppression System</li><li>• CCR 2047 - New Standard for the Design and Installation of Special Fire Suppression System</li><li>• CCR 380 - New Standard for the Design and Installation of Water-Mist Fire Suppression System</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-10-10 — Received

### 2023-11-22 — Sorted

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340
- **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807,

---

1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777,  
1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468,  
1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2123

Proponent: Bob Grundie  
WestCan Fire Safety Services  
Function: Other (Consultant/Educator)  
Submitted: 2023-09-23  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Fire Code (NFC) Div. B, 2.1.3.5.

### Subject

Special Fire Suppression Systems. NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems is not included.

### Problem

Clean agent fire extinguishing systems has become the preferred means for protecting high valued, crucial electronics such as computer server or data storage rooms since Halon was banned in 1994. Isn't it about time that reference was finally made to NFPA 2001? Alberta started recognizing this standard in 1997.

### Requested Change/Addition

Add an additional Clause to Div. B, 2.1.3.5. to refer to NFPA 2001, Standard on Clean Agent Fire Extinguishing Systems. Note that Div. B, 6.6.1.1.(1), Testing, Inspection and Maintenance of Special Fire Suppression Systems makes reference to Div. B, 2.1.3.5.

### Justification/Explanation

These type of fire extinguishing systems have been in wide use and generally the preferred type of protection, for more than 25 years, providing protection for sensitive, high values or crucial electronics. They are common place and yet there is no prescribed requirement in the NFC to inspect, test or maintain them.

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

The only added costs would be to those have such a system installed but fail to inspect, test and maintain it to an acceptable, recognized standard.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

Shouldn't be any increase in enforcement resources.

### Other Comments

This is not the first time that I have requested this change. But no action has been taken to date. The next edition of the NFC will be the 2025 edition. This omission is very much long overdue in my opinion.

### Attached Supporting Material

none

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2143**

CCR No.:	2143
Title:	Add New References for Gas-Fueled Vehicle Maintenance Facilities
Description:	This request for change introduces a reference to the CSA B401 standard series for natural gas and propane vehicle maintenance facilities into the NBC.
Proponent:	Mark Duda CSA Group
Submitted:	2023-11-20
Code Reference(s):	NBC20 Div.B 6.2.1.1.(1)
Standing Committee(s):	HVAC and Plumbing
Related Code Change Request(s):	<ul style="list-style-type: none"><li>• CCR 1535 - Introduction of a New Standard for Motor Vehicle Maintenance Facility</li><li>• CCR 1536 - Introduction of a New Standard for Motor Vehicle Maintenance Facility</li><li>• CCR 1754 - CSA-B401 Maintenance facilities code for CNG and LNG facilities and parking structures in NFC</li></ul>

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2023-11-29 — Received

### 2023-12-06 — Sorted

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
- **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
- **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
- **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340
- **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858, 1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807,

---

1806, 1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777,  
1776, 1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468,  
1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Code Change Request 2143

Proponent: Mark Duda  
CSA Group

Function: Other, Other (Codes and Standards Project Manager)

Submitted: 2023-11-20

Type of Change: To the existing code provision

Code Reference(s): 2020 National Building Code (NBC) 6.2.1.1

### Subject

Include newly published references for natural gas vehicle maintenance facilities and propane vehicle maintenance facilities.

### Problem

To provide requirements for the portions of a motor vehicle maintenance facilities where natural gas fuelled vehicles and/or propane fuelled vehicles are maintained, repaired, or stored during maintenance or repair, including areas and ancillary systems.

### Requested Change/Addition

6.2.1.1. Good Engineering Practice  
(See Note A-6.2.1.1.)

1) Heating, ventilating and air-conditioning systems, including mechanical refrigeration equipment, shall be designed, constructed and installed in conformance with good engineering practice such as that described in, but not limited to,

- a) the ASHRAE Handbooks and Standards,
- b) the HRAI Digest,
- c) the Hydronics Institute Manuals,
- d) the NFPA Standards,
- e) the SMACNA Manuals,
- f) "Industrial Ventilation: A Manual of Recommended Practice for Design" published by the ACGIH,
- g) CSA B214, "Installation Code for Hydronic Heating Systems,"
- h) CAN/CSA-Z317.2, "Special Requirements for Heating, Ventilation, and Air-Conditioning (HVAC) Systems in Health Care Facilities," and
- i) EPA 625/R-92/016, "Radon Prevention in the Design and Construction of Schools and Other Large Buildings,"
- j) CSA B401.1 - Natural gas vehicle (NGV) Maintenance Facilities Code, and
- k) CSA B401.2 - Propane Vehicle Maintenance Facilities Code.

### Justification/Explanation

To provide reasonable means to manage the risks associated with the maintenance and repair of vehicles fuelled with natural gas or propane inside motor vehicle maintenance facilities.

### Objective(s)

NBC-OH1.1, NBC-OP3.1, NBC-OS1.1

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

As the purpose of the code is to mitigate the safety risks of operating a maintenance facility where natural gas fuelled or propane fuelled vehicles are being repaired, a decrease in the number of safety incidents could be measured.

There may be added cost if the maintenance facility does not meet the requirements of the code. However, if a facility already meets or exceeds the requirements within the code then there may not be added costs.

### **Enforcement Implications**

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

As site inspections by the local building inspectors are already being conducted as per the respective permit, there should not be an increase in enforcement resources.

Under 6.2.1.1. this type of facility is to be designed by an engineer so reliance on the professional would not increase change what the enforcement authority is already reviewing.

### **Other Comments**

none

### **Attached Supporting Material**

- ccr\_2143-\_csa\_b401.2\_2021\_-\_propane\_vehcile\_maintenance\_facilites\_code.pdf
- ccr\_2143\_-\_b401.1-ed01en\_final\_rosters.pdf

**Summary for Canadian Board for Harmonized Construction Codes — CCR 2182**

CCR No.: 2182  
Title: Clarifying requirements for Back-Siphonage Preventers and Backflow Preventers  
Description: This code change request seeks to clarify the application of Clause 2.2.10.10.(1)(a) to all other Clauses within Sentence 2.2.10.10.(1) of NPC.  
Proponent: Philippe Léveillé  
Pageau Morel inc.  
Submitted: 2024-03-18  
Code Reference(s): NPC20 Div.B 2.2.10.10.(1)  
Standing Committee(s): HVAC and Plumbing

---

## Process

### Sorting Questions

- Was submitted by Federal/Provincial/Territorial
- Identifies a critical issue
- Aligns with ongoing policy considerations
- Aligns with ongoing or planned work
- Qualifies as a minor task
- None of the above

### 2024-03-18 — Received

### 2024-04-10 — Sorted

### 2024-09-12 — Canadian Board for Harmonized Construction Codes — Reviewed

At the September 12, 2024, meeting of the Canadian Board for the Harmonized Construction Code (CBHCC), the CBHCC reached consensus on the triage of Code Change Requests (CCRs) as follows:

- **CCRs align with ongoing or planned work and will be forwarded to the relevant technical development group:** 2188, 2171, 2167, 2155, 2152, 2151, 2133, 2120, 2115, 2104, 2102, 2096, 2090, 2089, 2083, 2071, 2067, 2056, 2054, 2052, 2050, 2037, 2035, 2034, 2033, 2032, 2031, 2030, 2029, 2028, 2027, 2026, 2025, 2024, 2013, 1987, 1980, 1929, 1927, 1925, 1906, 1903, 1868, 1842, 1839, 1819, 1812, 1809, 1803, 1802, 1794, 1783, 1774, 1745, 1744, 1743, 1742, 1741, 1725, 1083, 1073, 2139
  - **CCRs align with ongoing policy considerations and will be forwarded to the relevant FPT Working Group:** 2093, 1888, 1822, 1751, 1689, 1352
  - **CCR identifies a critical issue and the CBHCC will consider this CCR for the 2030 code cycle:** 2127.
  - **CCRs identified as minor tasks:** 2182, 2178, 2177, 2175, 2150, 2148, 2147, 2146, 2145, 2144, 2141, 2138, 2136, 2135, 2131, 2130, 2126, 2125, 2124, 2105, 2103, 2101, 2100, 2097, 2066, 2048, 2046, 2044, 2043, 2042, 2039, 2038, 2023, 2022, 2021, 2020, 2019, 2018, 2017, 2016, 2015, 2014, 1992, 1986, 1981, 1972, 1957, 1951, 1943, 1873, 1867, 1855, 1854, 1852, 1850, 1838, 1837, 1833, 1830, 1829, 1824, 1821, 1748, 1728, 1727, 1726, 1724, 1721, 1720, 1718, 1688, 1677, 1674, 1650, 1574, 1525, 1522, 1469, 1456, 1454, 1452, 1340
  - **CCRs to be considered for future work planning:** 2170, 2168, 2163, 2159, 2154, 2143, 2142, 2137, 2132, 2129, 2123, 2122, 2121, 2119, 2118, 2114, 2113, 2110, 2081, 2068, 2065, 2055, 2053, 2051, 2012, 2008, 2004, 2002, 2001, 2000, 1999, 1998, 199, 1994, 1991, 1990, 1988, 1985, 1984, 1983, 1979, 1978, 1977, 1975, 1973, 1971, 1970, 1969, 1967, 1966, 1964, 1963, 1962, 1955, 1954, 1948, 1931, 1930, 1919, 1913, 1907, 1872, 1870, 1869, 1865, 1864, 1863, 1862, 1861, 1860, 1859, 1858,
-

---

1856, 1853, 1849, 1848, 1847, 1846, 1845, 1834, 1832, 1825, 1820, 1817, 1814, 1808, 1807, 1806,  
1804, 1799, 1798, 1797, 1796, 1795, 1793, 1791, 1790, 1788, 1787, 1786, 1785, 1778, 1777, 1776,  
1723, 1722, 1716, 1703, 1679, 1678, 1672, 1649, 1585, 1582, 1573, 1524, 1474, 1470, 1468,  
1465, 1461, 1459, 1446, 1415, 1414, 1398, 1388

---

## Translated Code Change Request 2182

Proponent: Philippe Léveillé  
Pageau Morel inc.  
Function: Designer / Architect / Engineer  
Submitted: 2024-03-18  
Type of Change: To the existing code provision  
Code Reference(s): 2020 National Plumbing Code (NPC) Sentence 2.2.10.10.(1)

### Subject

Back-Siphonage Preventers and Backflow Preventers

### Problem

Sentence 2.2.10.10.(1) states that back-siphonage preventers and backflow preventers must comply with one of the standards indicated in Clauses (a) to (q). Sentences are linked by the conjunction "or".

However, CSA B64.0, Definitions, general requirements, and test methods for vacuum breakers and backflow preventers," also applies to all devices in Clauses (b) to (q).

The wording of Sentence (1) and Clause (a) should be reviewed.

### Requested Change/Addition

Change the preamble in Sentence (1) to the following:

"Except as provided in Sentence (2), *back-siphonage preventers* and *backflow preventers* shall conform to CSA B64.0, 'Definitions, general requirements, and test methods for vacuum breakers and backflow preventers,' and one of the following standards:"

Delete Clause (a).

Reletter Clauses (b) to (q).

### Justification/Explanation

CSA B64.0 applies to all back-siphonage preventers and backflow preventers.

### Impact Analysis

*Will the change entail any added costs? Will it provide benefits that are measurable?*

No additional costs are anticipated. This proposed change is a clarification of a general requirement.

### Enforcement Implications

*Can the requested change be enforced by the infrastructure available to enforce this Code? Will its enforcement require an increase in resources?*

No impact is expected.

### Other Comments

This proposed change is similar to one already submitted (CCR 2179) and could be processed at the same time.

### Attached Supporting Material

*none*

## Original Code Change Request 2182

Proposant : Philippe Léveillé  
Pageau Morel inc.  
Poste : Concepteur, architecte ou ingénieur  
Envoyée : 2024-03-18  
Type de modification : Modification à une disposition existante  
Renvoi(s) au code : 2020 Code national de la plomberie (CNP) 2.2.10.10.

### Sujet

Brise-vidé et dispositifs antirefoulement

### Problème

Le paragraphe 2.2.10.10.1) indique que les brise-vidé et dispositifs antirefoulement doivent être conforme à l'une des normes indiquées aux alinéas a) à q). Les alinéas sont reliés entre eux par la conjonction "ou". Cependant, la norme CSA B64.0 s'applique également à tous les dispositifs des alinéas b) à q). La formulation du texte du paragraphe 1 et de l'alinéa a) devrait être revue.

### Modification ou ajout proposé

Modifier le paragraphe 1) comme suit:  
Sous réserve du paragraphe 2), les brise-vidé et les dispositifs antirefoulement doivent être conformes à la norme CSA B64.0 et à l'une des normes suivantes : "

Supprimer l'alinéa a).

Re-numéroter les alinéas b) à q).

### Justification ou explication

La norme CSA B64.0 s'applique à tous les brise-vidé et dispositifs antirefoulement.

### Analyse des répercussions

*La modification entraînera-t-elle des coûts supplémentaires? Des avantages financiers en découleront-ils?*

Aucun coût supplémentaire prévu. Clarification d'une exigence générale.

### Incidences en matière d'application

*Les organismes chargés de l'application de ce code sont-ils en mesure de veiller à l'application de la modification demandée ou leur faudra-t-il augmenter leurs ressources?*

Aucune répercussion prévue.

### Autres observations

La demande de modification est similaire à une demande déjà soumise (CCR 2179) et pourrait être traitée en même temps.

### Documents justificatifs

*none*

2030-01

**9.**

**Workplan**

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

**9.1 Mandate of the NMCC on Referenced Documents**

**Action Requested:**    Decision             Guidance             Information

**Summary**

On October 3, 2024, the CBHCC approved the terms of reference of NMCC-RefDocs. When a development committee is struck, it is given provisional responsibility to undertake code development activities in accordance with the approved work plan through its mandate.

**In this Agenda Package**

- Terms of Reference of the NMCC-RefDocs.

**Desired Outcome**

This material is provided for information and adherence.

# Terms of Reference for National Model Code Committee on Referenced Documents

## Mandate

The National Model Code Committee (NMCC) on Referenced Documents will support review of the list of standards and documents referenced in the National Model Codes as described below and in accordance with Canadian Board for Harmonized Construction Codes (CBHCC) approved work plan.

*Note: the breakdown of mandates shown below do not necessarily reflect the recommended task groups and working groups being planned.*

Review proposed changes for new and updates to existing referenced documents and coordinate with other NMCCs to identify and resolve conflicts.

- Review new and updates to existing standards and documents, including those that are replacing existing referenced documents that are superseded, that are not related to one of the other NMCC technical subject areas, and develop proposed code changes where appropriate.
- Review referenced documents that have been withdrawn by SDOs and recommend proposed replacements or other actions, as appropriate.
- Coordinate with NMCCs on review of new referenced documents proposed for inclusion in the 2030 editions of the National Model Codes.

The NMCC is established by, and reports to, the CBHCC. The NMCC exists until the completion of its mandate or as otherwise directed by the CBHCC.

The NMCC will comply with the Harmonized Code Development Policies and Procedures.

## Responsibilities

In accordance with the mandate described above:

- develop proposed code changes for consideration for public review by the CBHCC;
  - In developing proposed code changes consider:
    - harmonize with Provincial/Territorial variations where possible, if multiple Provincial/Territorial variations exist seek direction from the CBHCC;
    - code change requests forwarded by the CBHCC; and
    - implications on other code requirements;
  - In developing proposed code changes identify:
    - impacts of the proposed code changes; and
    - enforcement implications of the proposed code changes;
- in consideration of public review comments received, recommend code changes for publication, for consideration by the CBHCC;
- identify where research is needed to support the mandate and support coordination efforts;

- identify opportunities for coordination with standard development and support coordination;
- prepare a final report outlining a brief summary of the deliberations and considerations that led to the recommendation including any outstanding unresolved issues or concerns; and
- through the Chair:
  - monitor progress towards the approved CBHCC work plan and provide regular progress updates to the CBHCC; and
  - participate on the Standing Coordination Committee for Construction Codes, to ensure that there are no conflicts between the changes being developed and that of other committees.

## Membership

Consensus Members			
Member	Membership Category	Affiliation	Province/Territory
Jean-François Côte (Chair)	Industry	SOPREMA	QC
Andrea Doncaster	Industry	Andrea Doncaster Engineering	NS
Barbara Boakyewah	Industry	PLC Fire Safety Engineering	ON
Bill Stamatopoulos	General Interest	Semi-Retiree	ON
Corrado Agnello	General Interest	University of Victoria	BC
Don Casey	Regulatory	City of Mississauga	ON
Ghasan Doudak	General Interest	University of Ottawa	ON
Glenn Stephenson	General Interest	Rotaflow Fire and Utility	AB
Hocine Ait Mohamed	Industry	Paragon Risk Engineering	QC
Jianhui Zhou	General Interest	University of Northern British Columbia	BC
Munawar Khan	Regulatory	City of Winnipeg	MB
Murray Frank	Industry	Constructive Home Solutions Inc.	BC
Paul Wagner	Industry	LRI Engineering Inc.	ON
Robert Baker	General Interest	British Columbia Institute of Technology	BC
Ryan O'Keefe	Regulatory	City of Nanaimo	BC
Sally Remedios	Industry	Semi-Retiree	ON
Sam Steele	General Interest	Humber College	ON
Shawn Moss	General Interest	Concordia University	QC
TBD	FPT Representative		
TBD	FPT Representative		
TBD	FPT Representative		
TBD	FPT Representative		
TBD	FPT Representative		
Non-consensus Members			
Member	Membership Category	Affiliation	Province/Territory
Damian Oliveira	Association Stakeholder	Canadian Wood Council	
Frank Lohmann	Association Stakeholder	Canadian Home Builders' Association	National
Kevin Wong/ Larry Gill	Association Stakeholder	Canadian Institute of Plumbing & Heating	National
Rae Dulmage	Association Stakeholder	Consumers' Council of Canada	National
Sarah Majlesi	Association Stakeholder	Canadian Institute for Steel Construction	National
Morched Zeghal	NRC Technical Advisor	Codes Canada	National

**Version Tracking**

<b>Version</b>	<b>Summary of changes</b>	<b>Date approved by CBHCC</b>
1.0	Initial version	2024-10-03
2.0	Appointment of volunteer members	2024-12-18
3.0	Appointment of association stakeholder members	2025-01-24

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

**9.2 Public Review Schedule for the 2030 Code Cycle**

**Action Requested:**    Decision             Guidance             Information

**Summary**

The public reviews for the 2030 Code Cycle have been set to inform the work schedule and future meetings of the NMCCs.

**In this Agenda Package**

- Schedule of public reviews of the 2030 Code Cycle

**Desired Outcome**

This material is provided for information and adherence.

# Public review schedule for 2030 Code cycle\*

Public review		Deadline for PCFs	Comment period
Spring 2026		October 31, 2025	March 23 – May 18, 2026
Fall 2026		June 26, 2026	October 26 – December 21, 2026
Spring 2027		October 29, 2026	March 22 – May 17, 2027
Fall 2027		June 25, 2027	October 25 – December 20, 2027
Spring 2028	Last PR for new PCFs	October 29, 2027	March 20 – May 15, 2028
Fall 2028	Resubmitted PCFs only	June 23, 2028	October 23 – December 18, 2028
Spring 2029	Resubmitted PCFs only	October 27, 2028	March 19 – May 14, 2029
Fall 2029	Referenced document updates only	June 22, 2029	October 22 – December 17, 2029

\*subject to CBHCC approval

2030-01

**10.**

**Other Business**

2030-01

**11.**

**Next Meeting**

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

**11. Next Meeting**

**Action Requested:**    Decision             Guidance             Information

**Summary**

The NMCC-RefDocs will discuss the date and location of its next meeting.

**Desired Outcome**

The NMCC-RefDocs sets the date and location of its next meeting.

2030-01

**12.**

# Adjournment

**2030-01 Meeting of the National Model Codes Committee  
on Referenced Documents**

Agenda Item Summary Sheet

**12. Adjournment**

**Action Requested:** Decision  Guidance  Information

**Summary**

The Chair will provide closing remarks and adjourn the meeting.

**Desired Outcome**

The Chair adjourns the meeting.