BRITISH COLUMBIA FIRE CODE REGULATION
263/2012

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Updated To:
[includes B.C. Reg. 161/2018 amendments (effective July 18, 2018)]

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1. National Fire Code of Canada adopted and amended
   2. to 6. Repealed

SCHEDULE

[Provisions of the Fire Services Act, RSBC 1996, c. 144, relevant to the enactment of this regulation: section 47]

National Fire Code of Canada adopted and amended

1. Divisions A to C, except their appendices, of the National Fire Code of Canada 2010, as it existed on June 1, 2012, with the amendments set out in the attached Schedule, are adopted as the British Columbia Fire Code.

(REP) 2. to 6. Repealed

Jul
18/18

Division 4 – Amendments to Division C

42 Division C is amended by repealing Section 2.3. and substituting the following:

Section 2.3. &nbsp Alternative Solutions

2.3.1. Alternative Solutions

2.3.1.1. Application

1) For the purposes of Clause 1.2.1.1.(1)(b) of Division A, on written request by the owner of a building or facility or by an authorized agent of that owner, the authority having jurisdiction shall accept, for the building or facility, a measure as an alternative solution to an acceptable solution if satisfied that

a) the measure will achieve at least the level of performance required by Clause 1.2.1.1.(1)(b) of Division A, and

b) the acceptable solution does not expressly require conformance to a provincial enactment other than this Code or the British Columbia Building Code.

2.3.1.2. Documentation

1) The authority having jurisdiction may require a person requesting the use of an alternative solution to provide documentation to demonstrate that the proposed alternative solution will achieve at least the level of performance required by Clause 1.2.1.1.(1)(b) of Division A.

2) The documentation referred to in Sentence (1) shall include

a) a Code analysis outlining the analytical methods and rationales used to determine that the proposed alternative solution will achieve at least the level of performance required by Clause 1.2.1.1.(1)(b) of Division A, and

b) information concerning any special maintenance or operational requirements, including any component commissioning requirements, that are necessary for the alternative solution to achieve compliance with the Code after the building or facility is constructed.

3) The Code analysis referred to in Clause (2)(a) shall identify the applicable objectives, functional statements and acceptable solutions, and any assumptions, limiting or restricting factors, testing procedures, engineering studies or performance parameters that will support a Code compliance assessment.

4) The Code analysis referred to in Clause (2)(a) shall include information about the qualifications, experience and background of the person or persons taking responsibility for the design.

5) The information provided under Sentence (3) shall be in sufficient detail to convey the design intent and to support the validity, accuracy, relevance and precision of the Code analysis.

6) Where more than one person is responsible for the design of a building or facility that includes a proposed alternative solution, the person requesting the use of the alternative solution shall identify a single person to coordinate the preparation of the Code analysis and documentation referred to in this Article.
2.3.1.3. Retention of Documentation

1) Documentation shall be retained on the premises to which it pertains for each measure that has been accepted and implemented as an alternative solution to an acceptable solution
   a) in this Code, or
   b) in the British Columbia Building Code that is attributed to the objective Fire Safety (OS1), Safety in Use (OS1), Fire Protection of the Building (OP1) or Protection of Adjacent Buildings from Fire (OP3).

2) The documentation referred to in Sentence (1) shall
   a) identify the alternative solution and the authority that accepted it, and
   b) include any documentation required by Article 2.3.1.2. or a similar provision in the British Columbia Building Code.
The Schedule is exempt from publication. The Schedule sets out the amendments to the *National Fire Code of Canada 2010* as that Code is adopted for the purposes of establishing the British Columbia Fire Code.

**NOTE**

The *National Fire Code of Canada 2010* and the amendments set out in the Schedule can be inspected between 8:30 am and 4:30 pm on regular business days at the following location:

Building and Safety Standards Branch  
Office of Housing and Construction Standards  
Ministry of Energy, Mines and Natural Gas  
614 Humboldt Street  
Victoria BC V8W 1A4

Phone: 250 387 3133  
Email: building.safety@gov.bc.ca  
Website: www.housing.gov.bc.ca/building

The 2012 edition of the British Columbia Fire Code is available for purchase from:

Queen’s Printer  
563 Superior Street  
Victoria BC V8W 9V7

Phone: 1 800 663 6105  
Email: bccodes@gov.bc.ca  
Website: www.bccodes.ca

9  *The list of abbreviations in Sentence 1.3.2.1.(1) is amended*  
   (a)  by repealing the following abbreviation:  
       NFC  National Fire Code of Canada 2010 (see CCBFC), and
by adding the following abbreviation:


10 **Sentence 2.1.3.3.(4) is repealed and the following substituted:**

4) *Smoke alarms* are permitted to be battery operated in

a) a *building* that is not supplied with electrical power,

b) a *dwelling unit* permitted to be constructed before March 31, 1979, or

c) locations with a *dwelling unit* where *smoke alarms* were not required
by the British Columbia Building Code at the time of construction or
alteration of the *dwelling unit*.

11 **Subsection 2.2.2. is amended by adding the following Article:**

2.2.2.5 Fire Door Signs

1) Every door used as a *closure* with a required *fire-protection rating* shall
have a permanent sign, clearly displaying the words "FIRE DOOR
KEEP CLOSED", posted on the visible side of the door when it is in the
open position, except where the door is

a) located between a corridor and an adjacent sleeping room in a hospital
or a nursing home,

b) located between a corridor and an adjacent classroom,

c) located between a *public corridor* and a *suite* of Group C or D
*occupancy*, or

d) fitted with an acceptable hold-open device designed to be released by a
signal from a *fire detector*, fire alarm system or sprinkler system.

12 **Subsection 2.3.1. is amended by adding the following Article:**

2.3.1.5. Combustible Materials Within Classrooms

1) Combustible materials, such as artwork and teaching materials, that are
attached to walls or ceilings in school classrooms shall not cover more
than 20% of the area of each wall or ceiling.

13 **Subsection 2.6.3. is amended**

(a) *in the heading by striking out* "Equipment Vaults" *and substituting*
"Services",

(b) *in Article 2.6.3.1.*

(i) *by striking out* "Electrical equipment vaults" *in Sentence (1) and*
*substituting* "Electrical equipment vaults", and

(ii) *by adding the following Sentence:*

2) *Electrical service rooms* may be used for storage purposes in
conformance with the British Columbia Electrical Safety Regulation, ,
*and*

(c) *in Sentence 2.6.3.2.(1) by striking out* "Electrical equipment vaults" *and*
*substituting* "Electrical equipment vaults and electrical service rooms".

14 **Article 2.8.2.7. is amended by adding the following Sentences:**
4) All buildings served by one or more elevators shall have, at each elevator entrance on each floor level, a permanently mounted fire safety sign or symbol indicating that the elevator is not to be used in case of fire.

5) The sign or symbol required by Sentence (4) shall be at least 100 mm in height and width and shall be designed in accordance with NFPA 170, "Standard for Fire Safety and Emergency Symbols."

15 Sentence 2.9.1.1.(1) is amended by striking out "be designed and installed in conformance with" and substituting "conform to",

16 Section 2.10. is amended
(a) in the heading by striking out "Day-Care Centres" and substituting "Community Care Facilities",
(b) in Sentence 2.10.1.1.(1) by striking out "Day-Care centres" and substituting "Community care facilities",
(c) in Subsection 2.10.2. by striking out "Supervision of Children" in the heading and substituting "Staffing",
(d) by repealing Article 2.10.2.1. and substituting the following:
2.10.2.1. Staffing
1) Community care facilities shall be staffed in accordance with the Community Care and Assisted Living Act and its regulations. and
(e) in Sentence 2.10.3.1.(1) by striking out "exceeds 20% of the area of such walls." and substituting "cover more than 20% of the area of each wall."

17 Section 2.14. is repealed and the following substituted:

Section 2.14. Construction Camps
2.14.1. Fire Protection
2.14.1.1. Fire Protection for Construction Camps
1) Fire protection for construction camps shall conform to the British Columbia Building Code.

Section 2.15. Marinas and Boatyards
2.15.1. Fire Protection
2.15.1.1. Fire Protection for Marinas and Boatyards
1) Fire protection for marinas and boatyards shall conform to NFPA 303, "Fire Protection Standard for Marinas and Boatyards”.

Section 2.16. Objectives and Functional Statements
2.16.1. Objectives and Functional Statements
2.16.1.1. Attribution to Acceptable Solutions
1) For the purposes of compliance with this Code as required in Clause 1.2.1.1.(1)(b) of Division A, the objectives and functional statements attributed to the acceptable solutions in this Part shall be the objectives
Table 2.16.1.1.
Objectives and Functional Statements Attributed to the Acceptable Solutions in Part 2
Forming Part of Sentence 2.16.1.1.(1)

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(1) [F02, F81-OP1.2]
[F02, F81-OS1.2]

2.1.3.7. Inspection, Maintenance and Testing of Fire Safety Devices

(2) [F82-OS1.4]

2.1.3.8. Commissioning of Life Safety and Fire Protection Systems

(1) [F02, F81, F82-OS1.2, OS1.5]
[F02, F81, F82-OP1.2]

2.1.4.1. Posting

(1) [F12, F10, F82, F81-OS1.1, OS1.2]

2.1.5.1. Selection and Installation

(1) [F02-OS1.2]
[F02-OP1.2]

(2) [F02, F12-OS1.2]
[F02, F12-OP1.2]

(3) [F02, F12-OS1.2]
[F02, F12-OP1.2]

(4) [F02, F12-OS1.2]
[F02, F12-OP1.2]

(5) [F12, F06-OS1.2]
[F12, F06-OP1.2]

(6) [F80-OP1.2]
[F80-OS1.2]

2.2.1.1. Fire Separations

(2) [F03-OP1.2] Applies to conformance with the BCBC.
[F03-OS1.2] Applies to conformance with the BCBC.

2.2.1.2. Damage to Fire Separations

(2) [F03-OP1.2]
[F03-OS1.2]

2.2.2.2. Damage to Closures

(1) [F82-OP1.2]
[F82-OS1.2]

2.2.2.3. Protective Guarding Devices
### 2.2.2.4. Inspection and Maintenance

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### 2.2.2.5. Fire Door Signs

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### 2.3.1.2. Movable Partitions and Screens

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### 2.3.1.3. Decorative Materials

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### 2.3.1.4. Interconnected Floor Spaces

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### 2.3.1.5. Combustible Materials in Classrooms

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### 2.3.2.1. Drapes, Curtains and Decorative Materials

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### 2.3.2.2. Flame Retardant Treatments

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### 2.3.2.3. Textiles in Group B Occupancies

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### 2.4.1.1. Accumulation of Combustible Materials

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### 2.4.1.2. Storage Rooms for Combustible Waste Materials

1. [F03, F02-OS1.2]
2. [F03, F02-OP1.2]

### 2.4.1.3. Waste Receptacles

1. [F01-OS1.1] Applies to portion of Code text: "... be removed from the premises."
2. [F01-OS1.1] Applies to the storage of combustible materials and ashes in the same container.
3. [F03-OS1.2]
4. [F03-OS1.2]

### 2.4.1.4. Lint Traps for Laundry Equipment

1. [F01-OS1.1]

### 2.4.2.1. Smoking Areas

1. [F01-OS1.1]
3. [F01-OS1.1]

### 2.4.2.2. Signs

1. [F01-OS1.1]

### 2.4.3.1. Open Flames in Processions

1. [F01-OS1.1]

### 2.4.3.2. Flaming Meals and Drinks

1. [F01-OS1.1]
2. [F01-OS1.1]
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2.4.3.3. Devices Having Open Flames

(1)  [F01-OS1.1]

2.4.4.1. Flammable and Combustible Liquids

(2)  [F01-OS1.1]

2.4.4.2. Flammable Gases

(1)  [F01-OS1.1]

2.4.5.1. Open Air Fires

(1)  [F01, F03, F02-OP1.2]
     [F01, F03, F02-OS1.2]

2.4.6.1. Security

(1)  [F34-OS1.1, OS1.2]
     [F34-OP3.1]

2.4.7.1. Use and Maintenance

(1)  [F01, F82, F81-OS1.1]
     [F01, F82, F81-OP1.1]

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(1)  [F12-OP1.2]
     [F12-OS1.2]

2.5.1.3. Access to Roof

(1)  [F12-OP1.2]
     [F12-OS1.2]

2.5.1.4. Access to Fire Department Connections

(1)  [F12-OP1.2]
     [F12-OS1.2]

2.5.1.5. Maintenance of Fire Department Access

(1)  [F12-OP1.2]
     [F12-OS1.2]

(2)  [F12-OP1.2]
     [F12-OS1.2]

2.6.1.2. Coal and Wood Bins

(1)  [F01-OP1.1]
     [F01-OS1.1]

2.6.1.3. Hoods, Ducts and Filters
### 2.6.1.4. Chimneys, Flues and Flue Pipes

(1) [F01-OP1.2] [F82-OP1.1]
[F01-OS1.2] [F82-OS1.1]

(2) [F01-OP1.2]
[F01-OS1.2]

(3) [F82-OP1.2, OP1.1]
[F82-OS1.1, OS1.2]
[F82-OS3.4]

(a) [F82-OS3.1] Applies to portion of Code text "... any structural deficiency or decay ..."

### 2.6.1.5. Clearances

(1) [F01-OP1.2, OP1.1]
[F01-OS1.1, OS1.2]

(2) [F01-OP1.2, OP1.1]
[F01-OS1.1, OS1.2]

### 2.6.1.6. Operation and Maintenance Procedures

(1) [F01, F81, F82-OP1.2, OP1.1]
[F81, F82-OS3.4]
[F01, F81, F82-OS1.1, OS1.2]

(2) [F82-OP1.2]
[F82-OS1.2]

### 2.6.1.7. Ventilation Shafts

(1) [F01, F81-OP1.2]
[F01, F81-OS1.2]

### 2.6.1.8. Repairs and Renovations

(1) [F02, F03-OP1.2]
[F02, F03-OS1.2] [F01-OS1.1]

(2) [F81, F43-OS1.1]
[F81, F43-OH5]
[F81, F43-OP1.1]

### 2.6.1.9. Commercial Cooking Equipment

(1) [F01-OS1.1, OS1.2] [F02, F81-OS1.2]
[F02, F81-OP1.2]
2.6.2.2. Outdoor Incinerators

(1) [F03-OS1.2] Applies to portion of Code text: "... except that the flue venting an incinerator shall not serve as the chute conveying waste material to the incinerator."

2.6.2.3. Spark Arresters

(1) [F81, F82-OS1.1]
(2) [F82, F01-OS1.1]

2.6.3.1. Use

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(1) [F10-OS3.7]

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(1) [F10-OS3.7]

(2) [F10-OS3.7]
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(1) [F10-OS3.7]
(2) [F10-OS3.7]
(3) [F10-OS3.7]

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(1) [F12, F82-OP1.2]
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[F12-OS1.2]
[F10, F12-OS3.7] [F30-OS3.1]

(2) [F82, F12-OS1.2]
[F82, F12-OP1.2]
[F82, F10, F12-OS3.7] [F82, F30-OS3.1]

2.7.2.1 Exit Doors

(1) [F82-OP1.2]
[F82-OS3.7]
[F82-OS1.2]

(2) [F82-OS3.7]
(3) [F82-OS3.7]
(4) [F82-OS3.7]

2.7.3.1 Installation and Maintenance

(2) [F10-OS3.7]

2.8.1.2. Training of Supervisory Staff

(1) [F12-OP1.2]
[F12-OS1.2, OS1.5]

2.8.1.3. Keys and Special Devices

(1) [F12-OP1.2]
[F12-OS1.5, OS1.2]

2.8.2.1. Measures in a Fire Safety Plan

(1) (a)(i) [F12, F13-OP1.2]
(a)(ii) [F13-OP1.2]
(a)(iii) [F11-OP1.2]
(a)(v) [F02-OP1.2]
2.8.2.2. Care, Treatment and Detention Occupancies

(1) [F12-OS1.5, OS1.2] [F01-OS1.1] [F02-OS1.2]

2.8.2.3. Assembly Occupancies

(1) [F12-OS1.5, OS1.2] [F01-OS1.1] [F02-OS1.2]

2.8.2.4. High Buildings

(1) [F02, F12, F13-OP1.2] [F02, F12, F11, F13, F36-OS1.5, OS1.2]

2.8.2.5. Retention of Fire Safety Plans

(1) [F12-OP1.2] [F12-OS1.5, OS1.2]

(2) [F12-OP1.2] [F12-OS1.2, OS1.5]

2.8.2.6. Distribution

(1) [F12, F13-OP1.2] [F01, F82-OP1.1] [F02, F82-OP1.2] [F11, F13, F12, F10-OS1.2, OS1.5] [F01, F82-OS1.1] [F02, F82-OS1.2]

2.8.2.7. Posting of Fire Emergency Procedures

(1) [F10-OS1.5]

(2) [F10-OS1.5]

(3) [F13-OP1.2] [F13-OS1.2]

(4) [F10-OS3.7]

2.8.3.1. Fire Drill Procedures

(1) [F12-OP1.2] [F12-OS1.2, OS1.5] [F10-OS1.5]
2.8.3.2. Fire Drill Frequency

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2.9.2.1. Flame Retardant Treatments

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2.9.3.1. Electrical Systems

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<tr>
<td>(1)</td>
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2.9.3.2. Combustible Materials

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| (1) | [F02-OS1.2] Applies to portion of Code text "... except that sawdust and shavings are permitted to be used if kept damp."
|   | [F02-OS1.2] Applies to the restriction of combustible materials within tents or air supported structures. |

2.9.3.3. Smoking and Open Flame Devices

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<tbody>
<tr>
<td>(1)</td>
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2.9.3.4. Fire Watch

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<tbody>
<tr>
<td>(1)</td>
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</tbody>
</table>
| (2) | (a) [F10, F12-OS1.5] [F12-OS1.2] Applies to familiarity with the condition of the exits.
|   | (b) [F10, F12-OS1.5] [F12-OS1.2] Applies to the means of egress being kept clear.
|   | (a) [F12-OS1.2, OS1.5] Applies to familiarity with the fire safety plan.
|   | (b) [F12-OS1.2, OS1.5] Applies to the requirements of the authority having jurisdiction. |

2.9.3.5. Fire Alarm System

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<tr>
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<td>[F11-OS1.5] [F13-OS1.2]</td>
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2.10.2.1. Staffing
2.10.3.1. Combustible Materials Attached to Walls

| (1) | [F01-OS1.1, OS1.2] [F10-OS1.5] [F12, F13-OS1.2] |
| (2) | [F12-OS1.5] |

2.10.3.2. Waste Receptacles

| (1) | [F02, F01-OS1.2] |
|      | [F02, F01-OP1.2] |

2.10.3.3. Flammable and Combustible Liquids

| (1) | [F01, F34-OS1.1] Applies to storage in areas inaccessible to children. |

2.10.4.1. Fire Prevention Inspections

| (1) | [F01, F82-OS1.1] |

2.11.2.1. Portable Extinguishers

| (1) | [F02, F12-OP1.2] |
|      | [F02, F12-OS1.2] |

2.12.1.1. Use

| (1) | [F01, F02-OP1.1, OP1.2] |
|      | [F01, F02-OS1.1, OS1.2] [F10-OS1.5] |

| (2) | [F01, F02, F03-OP1.1, OP1.2] |
|      | [F01, F02, F03-OS1.1, OS1.2] |

2.12.1.2. Adequacy of Sprinkler System

| (1) | [F02-OP1.2] |
|      | [F02-OS1.2] |

2.12.1.5. Access to Fire Protection Equipment

| (1) | [F12-OP1.2] |
|      | [F12-OS1.2, OS1.5] |

2.12.1.7. Flammable and Combustible Liquids and Flammable Gases

| (1) | [F01, F02-OS1.1, OS1.2, OS1.5] |

2.12.1.8. Fuelled Equipment

| (1) | [F01, F34-OS1.1, OS1.5] |

2.12.1.9. Propane Fuelled Automotive Vehicles

| (1) | (a), (b), (c) [F43-OS1.1, OS1.5] |
|      | (d) [F34, F81-OS1.1] |
|      | (e) [F01-OS1.1] |

2.13.1.1. Construction

| (1) | [F01, F02, F81-OP1.2, OP1.1] |
2.13.2.1. Fire Separations

(1) [F03-OP1.2] [F03-OS1.2]

2.13.2.2. Smoking

(1) [F01-OS1.1] Applies to portion of Code text: "Smoking shall not be permitted on helicopter landing areas on roofs..."

2.13.2.3. Fire Watch

(1) [F12-OS1.2] [F12-OP1.2]

2.13.2.4. Refuelling, Repair and Maintenance Operations

(1) [F01-OS1.1]

2.13.2.5. Inspection of Separators

(1) [F82-OS1.1] [F82-OH5] [F82-OP1.1]

Notes to Table 2.16.1.1.:

(1) See Parts 2 and 3 of Division A.

18 Article 3.1.1.4. is amended

(a) in Sentence (2)

(i) by adding "the British Columbia Gas and Safety Regulation." after "conform to", and

(ii) by repealing Clauses (a) and (b), and

(b) in Sentence (3) by striking out "CAN/CSA-B149.1, "Natural Gas and Propane Installation Code."" and substituting "the British Columbia Gas Safety Regulation."

19 Clause 3.1.3.2.(3)(d) is amended by adding "and the British Columbia Gas Safety Regulation." after "Subsection 3.3.5."

20 Note (3) to Table 3.2.7.1. is repealed.

21 Sentence 3.2.8.2.(3) is amended by striking out "provisions stipulated in CAN/CSA - B149.2, "Propane Storage and Handling Code."" and substituting "British Columbia Gas Safety Regulation."

22 Article 4.1.4.1. is amended

(a) in Sentence (1) by striking out "CSA C22.1, "Canadian Electrical Code, Part 1," for hazardous locations." and substituting "the British Columbia Electrical Safety Regulation requirements for hazardous locations.",

(b) in Clause (2)(a) by striking out "CSA C22.1 "Canadian Electrical Code, Part 1,"" and substituting "the British Columbia Electrical Safety Regulation requirements",

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in Subclause (2)(b)(i) by striking out "CSA C22.1 "Canadian Electrical Code, Part 1."") and substituting "the British Columbia Electrical Safety Regulation requirements", and

in Subclause (2)(b)(ii) by adding "in an ordinary location and installed in conformance with the British Columbia Electrical Safety Regulation" after "compartment".

23 Article 4.1.7.1. is amended by striking out "appropriate provincial or territorial regulations or municipal bylaws, or in the absence of such legislation, to" and substituting "applicable requirements of".

24 Sentence 4.2.8.3.(1) is amended by striking out "(See also A-4.1.5.2.(1) in Appendix A.)"

25 Sentence 4.3.1.3.(2) is amended by striking out "CSA B51, "Boiler, Pressure Vessel, and Pressure Piping Code."") and substituting "the British Columbia Power Engineers, Boiler, Pressure Vessel and Refrigeration Safety Regulation."

26 Note (3) to Table 4.4.1.2.E. is repealed.

27 Sentence 4.4.2.1.(7) is amended by striking out "(See Appendix A for low-tech method.)"

28 Sentence 4.6.1.1.(2) is amended
(a) by striking out "section" and substituting "Section",
(b) by adding "the British Columbia Gas Safety Regulation." after "conform to", and
(c) by repealing Clauses (a) to (c).

29 Clause 4.6.3.3.(2)(d) is amended
(a) by adding "of this Code" after "Subsection 4.1.7.", and
(b) by striking out "Subsection 6.2.2." and substituting "Part 6".

30 Table 4.12.1.1. is amended by striking out "NBC" wherever it appears and substituting "BCBC".

31 Sentence 5.1.2.1.(1) is amended by striking out "CSA C22.1, "Canadian Electrical Code, Part 1.") and substituting "the British Columbia Electrical Safety Regulation requirements".

32 Sentence 5.1.2.2.(1) is amended by striking out "appropriate provincial or territorial regulations or municipal bylaws, or in the absence of such regulations, to CSA C22.1, "Canadian Electrical Code, Part 1." except that alternatives to these requirements are permitted as described in Clause 1.2.1.1.(1)(b) of Division A in areas other than those described in Article 5.1.2.1." and substituting "British Columbia Electrical Safety Regulation."

33 Article 5.3.1.2. is amended in Sentence (2) and Clause (3)(b) by striking out "CSA C22.1, "Canadian Electrical Code, Part 1." and substituting "the British Columbia Electrical Safety Regulation."

34 Sentence 5.3.1.10.(2) is amended by striking out "CSA C22.1, "Canadian Electrical Code, Part 1." and substituting "the British Columbia Electrical Safety Regulation."
Sentence 5.5.3.4.(1) is amended by striking out "CSA C22.1, "Canadian Electrical Code, Part 1."
and substituting "the British Columbia Electrical Safety Regulation requirements".

36 Sentence 5.6.1.9.(3) is amended by striking out "CSA C22.1, "Canadian Electrical Code, Part 1."
and substituting "the British Columbia Electrical Safety Regulation."

37 Sentence 5.6.1.10.(1) is amended
(a) in Clause (a) by striking out "CSA-B139" and substituting
"CAN/CSA-B139-M", and
(b) in Clause (b) by striking out "CAN/CSA-B149.1, "Natural Gas and Propane
Installation Code,"
and substituting "the British Columbia Gas Safety
Regulation."

38 Section 6.4. is amended by adding the following Subsection:

6.4.2. Standard Fire Hose Thread

6.4.2.1. Specifications

1) All 2 1/2-inch fire-hose couplings and allied fittings shall have a 60° truncated vee thread having dimension in inches for the male and female couplings as set out in Table 6.4.2.(1).

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<thead>
<tr>
<th>Male</th>
<th>Nominal Inside Diameter</th>
<th>Thread Per Inch</th>
<th>Major Diameter</th>
<th>Pitch Diameter</th>
<th>Minor Diameter</th>
<th>Pitch</th>
<th>Depth of Thread</th>
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<td>Max</td>
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<td>2.949</td>
<td>2.939</td>
<td>2.868</td>
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</table>

2) All 2 1/2-inch fire-hose couplings shall be made with the higbee cut to aid quick coupling, the design of which requires the female swivel to have a distance from the face of the coupling swivel to the start of the first thread of 1/16 of an inch, and the male thread shall have a distance from the face of the nipple to the start of the first thread of 1/8 of an inch.

3) Thread form shall be calculated as follows:

N = number of threads per inch
P = pitch of thread
D = depth of thread
F = flat or truncation of thread

\[ P = \frac{1}{N} \times \frac{1}{8} = 0.125 \]

\[ D = 0.6495P = \frac{0.6495}{N} = \frac{0.6495}{8} = 0.081 \]

\[ F = \frac{P}{8} = \frac{1}{8 \times N} = \frac{1}{8 \times N} = 0.015 \]

4) The threaded portion of the 2 1/2-inch female fire-hose coupling shall be shorter than the threaded portion of the male by 1/32 of an inch for end clearance, and the outer edge of the male pilot end and the inside edge of the female end shall be slightly chamfered.

5) The length of the female fire-house coupling shall not be less than 3 31/64 inches.

6) The threaded end of the female fire-hose coupling, including the washer recess, shall be 28/32 of an inch in length.

7) The length of the male fire-hose coupling shall not be less than 3 3/32 inches.

8) The threaded end of the male fire-hose coupling shall be 29/32 of an inch in length.

9) Material from which fire-hose couplings and fittings are fabricated shall be suitable for their intended use.

10) The outside diameter of the female fire-hose coupling shall not be less than 3 5/8 inches for the fixed portion and 3 11/16 inches for the swivel portion.

11) The outside diameter of the male fire-hose coupling shall not be less than 3 5/8 inches.

12) Rubber washers that are made to fit the standard female fire-hose coupling shall be 3 1/4 inches outside diameter, 2 9/16 inches inside diameter and 1 1/4 inches in thickness.

13) Fire-hydrant-operating spindle nuts and port cap nuts shall be pentagonal in shape, and their dimensions shall be as follows:
   (a) the diameter of the outside circumscribed circle shall be 1 3/4 inches, and
   (b) the nut shall measure not more that 1 1/4 inches in height.

39 The following item is added to Table 6.8.1.1.:
Sentence 7.2.2.1.(2) is amended by striking out "ASME A17.1/CSA B44, "Safety Code for Elevators and Escalators,"" and substituting "the British Columbia Elevating Devices Safety Regulation".

Clause 7.2.3.1.(2)(b) is amended by striking out "smoke detector" and substituting "smoke detector".

[Provisions of the Fire Services Act, RSBC 1996, c. 144, relevant to the enactment of this regulation: section 47]