

PROVINCE OF BRITISH COLUMBIA

REGULATION OF THE MINISTER OF ENERGY, MINES AND NATURAL GAS
AND MINISTER RESPONSIBLE FOR HOUSING AND DEPUTY PREMIER

Local Government Act

Ministerial Order No. M 203

I, Rich Coleman, Minister of Energy, Mines and Natural Gas and Minister Responsible for Housing and Deputy Premier, order that the attached Wood Innovation Design Centre Regulation is made.

DEPOSITED

September 19, 2012

B.C. REG. 271/2012

SEP 18 2012

Date



Minister of Energy, Mines and Natural Gas
and Minister Responsible for Housing and
Deputy Premier

(This part is for administrative purposes only and is not part of the Order.)

Authority under which Order is made:

Act and section: Local Government Act, R.S.B.C. 1996, c. 323, s. 692

Other: _____

September 13, 2012

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R/812/2012/17

WOOD INNOVATION DESIGN CENTRE REGULATION

Definition

- 1 In this regulation, "Wood Innovation Design Centre" means the building constructed or to be constructed on Lots 5 to 8, Block 150, District Lot 343, Cariboo District, Plan 1268.

Exemption from building code; regulation by modified building code

- 2 For so long as the Wood Innovation Design Centre satisfies section 3,
 - (a) subject to paragraph (b), the Wood Innovation Design Centre is exempt from the British Columbia Building Code, and
 - (b) the British Columbia Building Code established by the British Columbia Building Code Regulation, B.C. Reg. 264/2012, as that regulation read on September 7, 2012, with the amendments set out in the attached Schedule, applies to the Wood Innovation Design Centre.

Duration of exemption and regulation

- 3 (1) For the purposes of section 2, the Wood Innovation Design Centre must
 - (a) have a building area of not more than 1 125 m², a building height of 6 storeys and floor areas that together total not more than 4 800 m²,
 - (b) be not more than 30 m in height measured from grade to the highest point of the uppermost roof, and
 - (c) have the following major occupancy classifications:
 - (i) the first storey must be a Group A, Division 2 assembly occupancy or a Group D business and personal services occupancy;
 - (ii) the second storey must be a Group A, Division 2 assembly occupancy or a Group D business and personal services occupancy;
 - (iii) the third to sixth storeys must be Group D business and personal services occupancies.
- (2) The definitions in the British Columbia Building Code established by the British Columbia Building Code Regulation, B.C. Reg. 264/2012, as that regulation read on September 7, 2012, with the amendments set out in the attached Schedule, apply to this section.

SCHEDULE

1 For the purposes of section 2 of this regulation, the British Columbia Building Code established by the British Columbia Building Code Regulation, B.C. Reg. 264/2012, as that regulation read on September 7, 2012, is amended as set out in this Schedule.

Division 1 – Amendments to Book I (General)

2 Division A of Book I (General) is amended

(a) by repealing Sentence 1.2.1.1.(1) and substituting the following:

- 1) Compliance with this Code shall be achieved by
 - a) complying with the applicable acceptable solutions in Division B (see Appendix A), or
 - b) using alternative solutions,
 - i) before initial occupancy, that have been accepted by the minister responsible for this Code or, through a process approved by that minister, the authority having jurisdiction, or
 - ii) after initial occupancy, that have been accepted by the authority having jurisdiction and will achieve at least the minimum level of performance required by Division B in the areas defined by the objectives and functional statements attributed to the applicable acceptable solutions (see Appendix A), and

(b) in Sentence 1.4.1.2.(1) in the definition of "Assembly occupancy" by striking out "civic, political, travel, religious, social, educational, recreational or like purposes, or for the consumption of food or drink." and substituting "educational or like purposes."

3 Table 1.3.1.2. in Division B is amended

(a) by repealing the following rows:

ASTM	D 2898-08	Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing	3.1.5.5.(5) 3.1.5.21.(1) 3.2.3.7.(4) 9.10.14.5.(3) 9.10.15.5.(3)
ULC	CAN/ULC-S102-07	Test for Surface Burning Characteristics of Building Materials and Assemblies	3.1.6.21.(1) 3.1.12.1.(1) 3.2.2.50.(3)
ULC	CAN/ULC-S134-92	Fire Test of Exterior Wall Assemblies	3.1.6.5.(1) 3.2.3.7.(3) 3.2.2.50.(3) 9.10.14.5.(2) 9.10.15.5.(2) 9.10.15.5.(3)

, and

(b) by substituting the following:

ASTM	D 2898-08	Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing	3.1.5.5.(6) 3.1.5.21.(1) 3.2.2.24.(3) 3.2.2.50.(3) 3.2.2.57.(3) 3.2.3.7.(4) 9.10.14.5.(3) 9.10.15.5.(3)
ULC	CAN/ULC-S102-07	Test for Surface Burning Characteristics of Building Materials and Assemblies	3.1.5.21.(1) 3.1.12.1.(1) 3.2.2.24.(3) 3.2.2.50.(3) 3.2.2.57.(3)
ULC	CAN/ULC-S134-92	Fire Test of Exterior Wall Assemblies	3.1.5.5.(1) 3.2.2.24.(3) 3.2.2.50.(3) 3.2.2.57.(3) 3.2.3.7.(3) 9.10.14.5.(2) 9.10.15.5.(2) 9.10.15.5.(3)

4 Article 3,2,2,24. is repealed and the following substituted:

3.2.2.24. Group A, Division 2, up to 6 Storeys, Sprinklered

1) A building classified as Group A, Division 2 is permitted to conform to Sentence (2) provided

- a) the building is sprinklered throughout,
- b) it is not more than 6 storeys in building height, and
- c) it has a building area not more than 1 125 m² and floor areas that together total not more than 4 800 m².

2) The building referred to in Sentence (1) is permitted to be of combustible construction or noncombustible construction used singly or in combination, and

- a) floor assemblies shall be fire separations with a fire-resistance rating not less than 1 h,
- b) mezzanines shall have a fire-resistance rating not less than 1 h, and
- c) loadbearing walls, columns and arches shall have a fire-resistance rating not less than that required for the supported assembly.

3) Except as required by Sentence (4), a building referred to in Sentence (1) shall have an exterior wall assembly

- a) protected by noncombustible cladding,
- b) protected by fire-retardant-treated wood cladding that has been conditioned in conformance with ASTM D 2898, "Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing," before being tested in accordance with

CAN/ULC-S102, "Test for Surface Burning Characteristics of Building Materials and Assemblies," or

- c) the interior surfaces of which are protected by a thermal barrier conforming to Sentence 3.1.5.12.(3) and that satisfies the criteria of Sentences 3.1.5.5.(3) and (4) when subjected to testing in conformance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies."

4) The solutions described in Clauses (3)(b) and (c) are not permitted where an *exposing building face* is required by Article 3.2.3.7. to have *noncombustible* cladding.

5 *Article 3.2.2.57. is repealed and the following substituted:*

3.2.2.57. Group D, up to 6 Storeys, Sprinklered

- 1) A *building* classified as Group D is permitted to conform to Sentence (2) provided
 - a) except as permitted by Sentences 3.2.2.7.(1) and 3.2.2.18.(2), the *building* is *sprinklered* throughout,
 - b) it is not more than 6 *storeys* in *building height*, and
 - c) it has a *building area* not more than 1 125 m² and *floor areas* that together total not more than 4 800 m².
- 2) The *building* referred to in Sentence (1) is permitted to be of *combustible construction* or *noncombustible construction* used singly or in combination, and
 - a) floor assemblies shall be *fire separations* with a *fire-resistance rating* not less than 1 h,
 - b) *mezzanines* shall have a *fire-resistance rating* not less than 1 h, and
 - c) *loadbearing walls*, columns and arches shall have a *fire-resistance rating* not less than that required for the supported assembly.
- 3) Except as required by Sentence (4), a *building* referred to in Sentence (1) shall have an exterior wall assembly
 - a) protected by *noncombustible* cladding,
 - b) protected by *fire-retardant-treated wood* cladding that has been conditioned in conformance with ASTM D 2898, "Accelerated Weathering of Fire-Retardant-Treated Wood for Fire Testing," before being tested in accordance with CAN/ULC-S102, "Test for Surface Burning Characteristics of Building Materials and Assemblies," or
 - c) the interior surfaces of which are protected by a thermal barrier conforming to Sentence 3.1.5.12.(3) and that satisfies the criteria of Sentences 3.1.5.5.(3) and (4) when subjected to testing in conformance with CAN/ULC-S134, "Fire Test of Exterior Wall Assemblies."
- 4) The solutions described in Clauses (3)(b) and (c) are not permitted where an *exposing building face* is required by Article 3.2.3.7. to have *noncombustible* cladding.

6 Article 3.2.4.12. is amended by adding the following Sentence:

8) In addition to the requirements of Sentence (1), *smoke detectors* shall be installed throughout all *floor areas*.

7 Sentence 3.2.5.1.(1) is repealed and the following substituted:

1) Except for *storeys* below the *first storey*, direct access for firefighting shall be provided from the outdoors to every *storey* whose floor level is less than 25 m above *grade*, by at least one unobstructed window or access panel for each 15 m of wall in at least one wall that faces a *street* or *lane*.

8 Table 3.9.1.1. is amended

(a) by repealing the following rows:

3.2.2.24. Group A, Division 2, up to 6 Storeys, Any Area, Sprinklered	
(1)	[F02,F04-OS1.2,OS1.3] Applies to portion of Code text: "... a) ... the <i>building</i> is <i>sprinklered</i> throughout ..."
	[F02,F04-OP1.2,OP1.3] Applies to portion of Code text: "... a) ... the <i>building</i> is <i>sprinklered</i> throughout ..."
(2)	[F02-OS1.2] Applies to portion of Code text: "... the <i>building</i> referred to in Sentence (1) shall be of <i>noncombustible construction</i> ..."
	[F02-OP1.2] Applies to portion of Code text: "... the <i>building</i> referred to in Sentence (1) shall be of <i>noncombustible construction</i> ..."
	(a),(c) [F03-OS1.2] [F04-OS1.2,OS1.3]
	(a),(c) [F03-OP1.2] [F04-OP1.2,OP1.3]
	(b),(c) [F04-OS1.3]
	(b),(c) [F04-OP1.3]

3.2.2.57. Group D, up to 4 Storeys, Sprinklered	
(1)	[F02,F04-OS1.2,OS1.3] Applies to portion of Code text: "... a) ... the <i>building</i> is <i>sprinklered</i> throughout ..."
	[F02,F04-OP1.2,OP1.3] Applies to portion of Code text: "... a) ... the <i>building</i> is <i>sprinklered</i> throughout ..."
(2)	(a),(c) [F03-OS1.2] [F04-OS1.2,OS1.3]
	(a),(c) [F03-OP1.2] [F04-OP1.2,OP1.3]
	(b),(c) [F04-OS1.3]
	(b),(c) [F04-OP1.3]

, and

(b) by substituting the following:

3.2.2.24. Group A, Division 2, up to 6 Storeys, Sprinklered	
(1)	{F02,F04-OS1.2,OS1.3} Applies to portion of Code text: "... a) ... the <i>building</i> is sprinklered throughout ..."
	{F02,F04-OP1.2,OP1.3} Applies to portion of Code text: "... a) ... the <i>building</i> is sprinklered throughout ..."
(2)	[F02-OS1.2] Applies to portion of Code text: "... the <i>building</i> referred to in Sentence (1) shall be of <i>noncombustible construction</i> ..."
	[F02-OP1.2] Applies to portion of Code text: "... the <i>building</i> referred to in Sentence (1) shall be of <i>noncombustible construction</i> ..."
	(a),(c) [F03-OS1.2] [F04-OS1.2,OS1.3]
	(a),(c) [F03-OP1.2] [F04-OP1.2,OP1.3]
	(b),(c) [F04-OS1.3]
	(b),(c) [F04-OP1.3]
(3)	[F02-OS1.2]
	[F02-OP1.2]
(4)	[F02-OS1.2]
	[F02-OP1.2]

3.2.2.57. Group D, up to 4 Storeys, Sprinklered	
(1)	{F02,F04-OS1.2,OS1.3} Applies to portion of Code text: "... a) ... the <i>building</i> is sprinklered throughout ..."
	{F02,F04-OP1.2,OP1.3} Applies to portion of Code text: "... a) ... the <i>building</i> is sprinklered throughout ..."
(2)	(a),(c) [F03-OS1.2] [F04-OS1.2,OS1.3]
	(a),(c) [F03-OP1.2] [F04-OP1.2,OP1.3]
	(b),(c) [F04-OS1.3]
	(b),(c) [F04-OP1.3]
(3)	[F02-OS1.2]
	[F02-OP1.2]
(4)	[F02-OS1.2]
	[F02-OP1.2]

4.3.1.4. Cross-Laminated Timber	
(1)	[F20,F22-OS2.1]
	[F20,F22-OP2.1,OP2.3]

9 Sentence 4.1.8.9.(1) is repealed and the following substituted:

1) Except as provided in Sentence (6), the values of R_d and R_o and the corresponding system restrictions shall conform to Table 4.1.8.9. and the requirements of this Subsection.

6) Where the SFRS is cross-laminated timber panels with ductile connections, R_d shall be 2.0 and R_o shall be 1.5.

10 *The following Article is added:*

4.3.1.4. Cross-Laminated Timber

1) Cross-laminated timber products shall conform to ANSI/APA PRG 320-2011, "Standard for Performance-Rated Cross-Laminated Timber."

11 *Division C is amended*

(a) *by repealing Article 2.3.1.1. and substituting the following:*

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 an authorized agent of that owner,
- a) the following persons may accept a measure, for use before the initial *occupancy* of the *building*, as an alternative solution to an acceptable solution for that *building*:
 - i) the minister responsible for this Code, or
 - ii) through a process approved by that minister, the *authority having jurisdiction*, and
 - b) the *authority having jurisdiction* shall accept a measure, for use after the initial *occupancy* of the building, as an alternative solution to an acceptable solution for that *building* if satisfied that
 - i) the measure will achieve at least the level of performance required by Subclause 1.2.1.1.(1)(b)(ii) of Division A, and
 - ii) the acceptable solution does not expressly require conformance to a provincial enactment other than the British Columbia Building Code. , and

(b) *in Sentence 2.3.1.2.(1)*

- (i) *by adding "or the minister responsible for this Code, as applicable," after "The authority having jurisdiction", and*
- (ii) *by striking out "an" before "a person".*

Division 2 -- Amendments to Book II (Plumbing Systems)

12 *Division A of Book II (Plumbing Systems) is amended by repealing Sentence 1.2.1.1.(1) and substituting the following:*

- 1) Compliance with this Code shall be achieved by
 - a) complying with the applicable acceptable solutions in Division B (see Appendix A), or
 - b) using alternative solutions,
 - i) before initial *occupancy*, that have been accepted by the minister responsible for this Code or, through a process approved by that minister, the *authority having jurisdiction*, or

- ii) after initial *occupancy*, that have been accepted by the *authority having jurisdiction* and will achieve at least the minimum level of performance required by Division B in the areas defined by the objectives and functional statements attributed to the applicable acceptable solutions (see Appendix A).

13 *Division C is amended*

(a) *by repealing Article 2.3.1.1. and substituting the following:*

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 an authorized agent of that owner,
 - a) the following persons may accept a measure, for use before the first *occupancy* of the *building*, as an alternative solution to an acceptable solution for that *building*:
 - i) the minister responsible for this Code, or
 - ii) through a process approved by that minister, the *authority having jurisdiction*, and
 - b) the *authority having jurisdiction* shall accept a measure, for use after the first *occupancy* of the *building*, as an alternative solution to an acceptable solution for that *building* if satisfied that
 - i) the measure will achieve at least the level of performance required by Subclause 1.2.1.1.(1)(b)(ii) of Division A, and
 - ii) the acceptable solution does not expressly require conformance to a provincial enactment other than the British Columbia Building Code., *and*

(b) *in Sentence 2.3.1.2.(1)*

- (i) *by adding "or the minister responsible for this Code, as applicable," after "The authority having jurisdiction", and*
- (ii) *by striking out "an" before "a person".*