PROVINCE OF BRITISH COLUMBIA

REGULATION OF THE MINISTER OF MUNICIPAL AFFAIRS AND HOUSING

Building Act

Ministerial Order No. M 013

I, Selina Robinson, Minister of Municipal Affairs and Housing, order that

(a) effective January 31, 2018, the British Columbia Building Code Regulation, B.C. Reg. 264/2012, is amended as set out in the attached Schedule, and

(b) an applicant for a building permit as defined in section 3 of the British Columbia Building Code Regulation, B.C. Reg. 264/2012, is exempt from the amendments set out in the attached Schedule in respect of a building permit application submitted before January 31, 2018, if

(i) the building permit applied for is issued and work commences and continues to completion without interruption, other than work stoppages considered reasonable in the building industry, and

(ii) all work is carried out in conformity with the British Columbia Building Code Regulation, B.C. Reg. 264/2012, except the amendments set out in the attached Schedule.

01/08/18
Date

Selina Robinson
Minister of Municipal Affairs and Housing

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

Authority under which Order is made:

Act and section: *Building Act*, S.B.C. 2015, c. 2, s. 3

Other: M188/2012

R1016982

SCHEDULE

1 ***Book I (General) of the British Columbia Building Code established by the British Columbia Building Code Regulation, B.C. Reg. 264/2012, is amended as set out in this Schedule.***

Division 1 – Changes to Division B

2 ***Table 1.3.1.2. of Division B is amended by repealing the following item:***

CAN/CGSB	CAN/CGSB 149.10-M86	Determination of the Airtightness of Building Envelopes by the Fan Depressurization Method	9.36.5.10.(11) 9.36.6.5.(1)

and substituting the following:

CGSB	CAN/CGSB 149.10-M86	Determination of the Airtightness of Building Envelopes by the Fan Depressurization Method	9.36.5.10.(11) 9.36.6.5.(1)

3 ***Clause 9.8.8.1.(6)(a) is amended by striking out*** "the window serves a *dwelling unit* that is not located above another *suite*," ***and substituting*** "Reserved.".

4 ***Clause 9.32.3.4.(6)(a) is amended by adding*** "except for a *secondary suite*," ***at the beginning of Subclause (iv).***

5 ***Sentence 9.36.5.10.(10) is amended by striking out*** "Where airtightness is measured in accordance with Clause 9.36.5.10.(9) (c)" ***and substituting*** "Where airtightness is measured in accordance with Clause 9.36.5.10.(9)(c)".

6 ***Article 9.36.6.2. is amended***

(a) by adding "(See Appendix A.)" ***below the heading,***

(b) in Sentence (1) by adding "by the *building*" ***after*** "energy used over a year" ***and by striking out*** "area of *conditioned space*" ***and substituting*** "floor area of *conditioned space*",

(c) in Sentence (3) by striking out "area of *conditioned space*" ***and substituting*** "floor area of *conditioned space*" ***and in Clause (d) by striking out*** "air barrier system" ***and substituting*** "*air barrier system*", ***and***

(d) in Sentence (4) by striking out "and expressed in watts per square metre of area (W/m^2) of *conditioned space*" ***and substituting*** ", normalized per square metre of floor area of *conditioned space* and expressed in W/m^2".

7 ***Article 9.36.6.3. is amended***

(a) by repealing the following Tables:

Table 9.36.6.3.A.
Requirements for Buildings Located Where the Degree-Days Below 18°C Value is less than 3000[1]
Forming Part of Sentence 9.36.6.3.(1)

Step	Airtightness (Air Changes per Hour at 50 Pa Pressure Differential)	Performance Requirement of *Building* Equipment and Systems	Performance Requirement of *Building* Envelope
1	N/A	EnerGuide Rating % lower than EnerGuide Reference House: not less than 0% lower energy consumption or conform to Subsection 9.36.5.	
2	≤ 3.0	EnerGuide Rating % lower than EnerGuide Reference House: not less than 10% lower energy consumption or mechanical energy use intensity ≤ 60 kWh/m^2·year	thermal energy demand intensity ≤ 45 kWh/(m^2·year) or peak thermal load ≤ 35 W/m^2
3	≤ 2.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 20% lower energy consumption or mechanical energy use intensity ≤ 45 kWh/m^2·year	thermal energy demand intensity ≤ 40 kWh/(m^2·year) or peak thermal load ≤ 30 W/m^2
4	≤ 1.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 40% lower energy consumption or mechanical energy use intensity ≤ 35 kWh/m^2·year	thermal energy demand intensity ≤ 25 kWh/(m^2·year) or peak thermal load ≤ 25 W/m^2
5	≤ 1.0	mechanical energy use intensity ≤ 25 kWh/m^2·year	thermal energy demand intensity ≤ 1 5kWh/(m^2·year) or peak thermal load ≤ 10 W/m^2

Notes to Table 9.36.6.3.A.:
(1) See Sentence 1.1.3.1.(1) of this Division and Table C-2 in Appendix C.

Table 9.36.6.3.B.
Requirements for Buildings Located Where the Degree-Days Below 18°C Value is 3000 to 3999[1]
Forming Part of Sentence 9.36.6.3.(1)

Step	Airtightness (Air Changes per Hour at 50 Pa Pressure Differential)	Performance Requirement of *Building* Equipment and Systems	Performance Requirement of *Building* Envelope
1	N/A	EnerGuide Rating % lower than EnerGuide Reference House: not less than 0% lower energy consumption or conform to Subsection 9.36.5.	
2	≤ 3.0	EnerGuide Rating % lower than EnerGuide Reference House: not less than 10% lower energy consumption or	thermal energy demand intensity ≤ 60 kWh/(m^2·year) or peak thermal load ≤ 55 W/m^2

		mechanical energy use intensity ≤ 90 kWh/(m^2·year)	
3	≤ 2.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 20% lower energy consumption or mechanical energy use intensity ≤ 75 kWh/(m^2·year)	thermal energy demand intensity ≤ 50 kWh/(m^2·year) or peak thermal load ≤ 45 W/m^2
4	≤ 1.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 40% lower energy consumption or mechanical energy use intensity ≤ 45 kWh/(m^2·year)	thermal energy demand intensity ≤ 40 kWh/(m^2·year) or peak thermal load ≤ 40 W/m^2
5	≤ 1.0	mechanical energy use intensity ≤ 25 kWh/(m^2·year)	thermal energy demand intensity ≤ 15 kWh/(m^2·year) or peak thermal load ≤ 10 W/m^2

Notes to Table 9.36.6.3.B.:
(1) See Sentence 1.1.3.1.(1) of this Division and Table C-2 in Appendix C.

Table 9.36.6.3.C.
Requirements for Buildings Located Where the Degree-Days Below 18°C Value is greater than 3999(1)
Forming Part of Sentence 9.36.6.3.(1)

Step	Airtightness (Air Changes per Hour at 50 Pa Pressure Differential)	Performance Requirement of *Building* Equipment and Systems	Performance Requirement of *Building* Envelope
1	N/A	EnerGuide Rating % lower than EnerGuide Reference House: not less than 0% lower energy consumption or conform to Subsection 9.36.5.	
2	≤ 3.0	EnerGuide Rating % lower than EnerGuide Reference House: not less than 10% lower energy consumption or mechanical energy use intensity ≤ 100 kWh/(m^2·year)	thermal energy demand intensity ≤ 70 kWh/(m^2·year) or peak thermal load ≤ 55 W/m^2
3	≤ 2.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 20% lower energy consumption or mechanical energy use intensity ≤ 85 kWh/(m^2·year)	thermal energy demand intensity ≤ 60 kWh/(m2·year) or peak thermal load ≤ 50 W/m^2
4	≤ 1.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 40% lower energy consumption or mechanical energy use intensity ≤ 55 kWh/(m^2·year)	thermal energy demand intensity ≤ 50 kWh/(m^2·year) or peak thermal load ≤ 45 W/m^2
5	≤ 1.0	mechanical energy use intensity ≤ 25 kWh/(m^2·year)	thermal energy demand intensity ≤ 15 kWh/(m^2·year) or

			peak thermal load ≤ 10 W/m^2

Notes to Table 9.36.6.3.C.:
(1) See Sentence 1.1.3.1.(1) of this Division and Table C-2 in Appendix C.

and substituting the following:

Table 9.36.6.3.A
Requirements for Buildings Located Where the Degree-Days Below 18°C Value is less than 3000(1)
Forming Part of Sentence 9.36.6.3.(1)

Step	Airtightness (Air Changes per Hour at 50 Pa Pressure Differential)	Performance Requirement of *Building* Equipment and Systems	Performance Requirement of *Building* Envelope
1	N/A	EnerGuide Rating % lower than EnerGuide Reference House: not less than 0% lower energy consumption or conform to Subsection 9.36.5.	
2	≤ 3.0	EnerGuide Rating % lower than EnerGuide Reference House: not less than 10% lower energy consumption or mechanical energy use intensity ≤ 60 kWh/(m^2·year)	thermal energy demand intensity ≤ 45 kWh/(m^2·year) or peak thermal load ≤ 35 W/m^2
3	≤ 2.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 20% lower energy consumption or mechanical energy use intensity ≤ 45 kWh/(m^2·year)	thermal energy demand intensity ≤ 40 kWh/(m^2·year) or peak thermal load ≤ 30 W/m^2
4	≤ 1.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 40% lower energy consumption or mechanical energy use intensity ≤ 35 kWh/(m^2·year)	thermal energy demand intensity ≤ 25 kWh/(m^2·year) or peak thermal load ≤ 25 W/m^2
5	≤ 1.0	mechanical energy use intensity ≤ 25 kWh/(m^2·year)	thermal energy demand intensity ≤ 15 kWh/(m^2·year) or peak thermal load ≤ 10 W/m^2

Notes to Table 9.36.6.3.A:
(1) See Sentence 1.1.3.1.(1) of this Division and Table C-2 in Appendix C.

Table 9.36.6.3.B
Requirements for Buildings Located Where the Degree-Days Below 18°C Value is 3000 to 3999(1)
Forming Part of Sentence 9.36.6.3.(1)

Step	Airtightness (Air Changes per Hour at 50 Pa Pressure Differential)	Performance Requirement of *Building* Equipment and Systems	Performance Requirement of *Building* Envelope

1	N/A	EnerGuide Rating % lower than EnerGuide Reference House: not less than 0% lower energy consumption or conform to Subsection 9.36.5.	
2	≤ 3.0	EnerGuide Rating % lower than EnerGuide Reference House: not less than 10% lower energy consumption or mechanical energy use intensity ≤ 90 kWh/(m^2·year)	thermal energy demand intensity ≤ 60 kWh/(m^2·year) or peak thermal load ≤ 55 W/m^2
3	≤ 2.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 20% lower energy consumption or mechanical energy use intensity ≤ 75 kWh/(m^2·year)	thermal energy demand intensity ≤ 50 kWh/(m^2·year) or peak thermal load ≤ 45 W/m^2
4	≤ 1.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 40% lower energy consumption or mechanical energy use intensity ≤ 45 kWh/(m^2·year)	thermal energy demand intensity ≤ 40 kWh/(m^2·year) or peak thermal load ≤ 40 W/m^2
5	≤ 1.0	mechanical energy use intensity ≤ 25 kWh/(m^2·year)	thermal energy demand intensity ≤ 15 kWh/(m^2·year) or peak thermal load ≤ 10 W/m^2

Notes to Table 9.36.6.3.B:
(1) See Sentence 1.1.3.1.(1) of this Division and Table C-2 in Appendix C.

Table 9.36.6.3.C
Requirements for Buildings Located Where the Degree-Days Below 18°C Value is greater than 3999(1)
Forming Part of Sentence 9.36.6.3.(1)

Step	Airtightness (Air Changes per Hour at 50 Pa Pressure Differential)	Performance Requirement of *Building* Equipment and Systems	Performance Requirement of *Building* Envelope
1	N/A	EnerGuide Rating % lower than EnerGuide Reference House: not less than 0% lower energy consumption or conform to Subsection 9.36.5.	
2	≤ 3.0	EnerGuide Rating % lower than EnerGuide Reference House: not less than 10% lower energy consumption or mechanical energy use intensity ≤ 100 kWh/(m^2·year)	thermal energy demand intensity ≤ 70 kWh/(m^2·year) or peak thermal load ≤ 55 W/m^2
3	≤ 2.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 20% lower energy consumption or mechanical energy use intensity	thermal energy demand intensity ≤ 60 kWh/(m^2·year) or peak thermal load

		≤ 85 kWh/(m^2·year)	≤ 50 W/m^2
4	≤ 1.5	EnerGuide Rating % lower than EnerGuide Reference House: not less than 40% lower energy consumption or mechanical energy use intensity ≤ 55 kWh/(m^2·year)	thermal energy demand intensity ≤ 50 kWh/(m^2·year) or peak thermal load ≤ 45 W/m^2
5	≤ 1.0	mechanical energy use intensity ≤ 25 kWh/(m^2·year)	thermal energy demand intensity ≤ 15 kWh/(m^2·year) or peak thermal load ≤ 10 W/m^2

Notes to Table 9.36.6.3.C:

(1) See Sentence 1.1.3.1.(1) of this Division and Table C-2 in Appendix C., ***and***

(b) in Sentence (3) by striking out "Tables 9.36.6.3.A. to C." ***and substituting*** "Tables 9.36.6.6.A to C" ***and by striking out*** "if the energy model" ***and substituting*** "provided the energy model".

8 Clause 9.36.6.4.(2)(c) is amended by adding "(See Appendix A.)" ***at the end of the Clause.***

9 Article 10.2.2.1. is amended in Sentence (2) by striking out "the remaining *major occupancies*" ***and substituting*** "the *major occupancies* that do not conform to Subsection 10.2.3.".

10 Article 10.2.3.2. is amended

(a) by adding "(See A-9.36.6.2. in Appendix A.)" ***below the heading,***

(b) in Sentence (1) by striking out "the energy, estimated by an energy model" ***and substituting*** "the energy used over a year by the *building*, estimated by using an energy model", ***by striking out*** "used over a year," ***and by striking out*** "from" ***and substituting*** "for",

(c) in Sentence (2) by adding "floor" ***before*** "area of *conditioned space*",

(d) in Clause 10.2.3.2.(2)(d) by striking out "air barrier system" ***and substituting*** "*air barrier system*, ***and***

(e) in Sentence (3) by striking out "10.2.3.3.A." ***and substituting*** "10.2.3.3.A".

11 Article 10.2.3.3. is amended

(a) in Sentence (1) by striking out "Except as permitted by Sentence (3), buildings" ***and substituting*** "Buildings", ***by striking out*** "designated" ***and substituting*** "designed", ***and by striking out*** "10.2.3.3.A." ***and substituting*** "10.2.3.3.A", ***and***

(b) by repealing the following Tables:

Table 10.2.3.3.A.
Energy Performance Requirements for Residential Occupancies
Forming Part of Sentences 10.2.3.3.(1) and (2)

Step	Equipment and Systems – Maximum Total Energy Use Intensity (kWh/m^2·year)	*Building* Envelope – Maximum Thermal Energy Demand Intensity (kWh/m^2·year)
1	Conform to Part 8 of the NECB	
2	130	45
3	120	30
4	100	15

Table 10.2.3.3.B.
Energy Performance Requirements for Business and Personal Services or Mercantile Occupancies
Forming Part of Sentences 10.2.3.3.(1) and (2)

Step	Equipment and Systems – Maximum Total Energy Use Intensity (kWh/m^2·year)	*Building* Envelope – Maximum Thermal Energy Demand Intensity (kWh/m^2·year)
1	Conform to Part 8 of the NECB	
2	170	30
3	120	20

and substituting the following:

Table 10.2.3.3.A
Energy Performance Requirements for Residential Occupancies
Forming Part of Sentences 10.2.3.3.(1) and (2)

Step	Equipment and Systems – Maximum Total Energy Use Intensity, kWh/(m^2·year)	*Building* Envelope – Maximum Thermal Energy Demand Intensity, kWh/(m^2·year)
1	Conform to Part 8 of the NECB	
2	130	45
3	120	30
4	100	15

Table 10.2.3.3.B
Energy Performance Requirements for Business and Personal Services or Mercantile Occupancies
Forming Part of Sentences 10.2.3.3.(1) and (2)

Step	Equipment and Systems – Maximum Total Energy Use Intensity, kWh/(m^2·year)	*Building* Envelope – Maximum Thermal Energy Demand Intensity, kWh/(m^2·year)
1	Conform to Part 8 of the NECB	
2	170	30
3	120	20

12 ***Article 10.2.3.4. is amended in Sentence (3) by adding*** "from total gross above-ground wall and roof areas" ***before*** "until the air".

Division 2 – Changes to Appendix A of Division B

13 ***Appendix A-9.36.1.3. of Division B is amended***

(a) in the Appendix Note by striking out "to which Section 9.36. and the NECB apply." ***and substituting*** "to which the various compliance paths within Section 9.36. apply.", ***and***

(b) by repealing the following Table:

Table A-9.36.1.3.
Energy Efficiency Compliance Options for Part 9 Buildings

Building Types and Sizes	Energy Efficiency Compliance Options		
	9.36.2. to 9.36.4. (Prescriptive)	9.36.5. (Performance)	NECB
• houses with or without a secondary suite • buildings containing only dwelling units with common spaces ≤ 20% of building's total floor area[(1)]	✓	✓	✓
• buildings containing Group D, E or F3 occupancies whose combined total floor area ≤ 300 m^2 (excluding parking garages that serve residential occupancies) • buildings with a mix of Group C and Group D, E or F3 occupancies where the non-residential portion's combined total floor area ≤ 300 m^2 (excluding parking garages that serve residential occupancies)	✓	X	✓
• buildings containing Group D, E or F3 occupancies whose combined total floor area > 300 m^2 • buildings containing F2 occupancies of any size	X	X	✓

Notes to Table A-9.36.1.3.:
(1) The walls that enclose a common space are excluded from the calculation of floor area of that common space.

and substituting the following:

Table A-9.36.1.3.
Energy Efficiency Compliance Options for Part 9 Buildings

Building Types and Sizes	Energy Efficiency Compliance Options			
	9.36.2. to 9.36.4. (Prescriptive)	9.36.5. Performance)	9.36.6. (Energy Step Code)	NECB
• houses with or without a secondary suite • buildings containing only dwelling units with common spaces ≤ 20% of building's total floor area[(1)]	✓	✓	✓	✓
• buildings containing Group D, E or F3 occupancies whose combined total floor area ≤ 300 m^2 (excluding parking garages that serve residential occupancies) • buildings with a mix of Group C and Group D, E or F3 occupancies where the non-residential portion's combined total floor area ≤ 300 m^2 (excluding parking garages that serve residential occupancies)	✓	X	X	✓
• buildings containing Group D, E or F3 occupancies whose combined total floor area > 300 m^2 • buildings containing F2 occupancies of any size	X	X	X	✓

Notes to Table A-9.36.1.3.:
(1) The walls that enclose a common space are excluded from the calculation of floor area of that common space.

14 The following Appendix Note is added:

A-9.36.6.2. Floor Area in the Energy Step Code

The words floor area, as used in Sentences 9.36.6.2.(1), 9.36.6.2.(3), 9.36.6.2.(4), 10.2.3.2.(1), and 10.2.3.2.(2), are not italicized, to differentiate them from the defined term floor area in Article 1.4.1.2. of Division A.

Different modelling approaches identify the applicable floor area in various ways (e.g. modelled floor area, heated floor area, treated floor area, etc.) and the use of the words floor area in Sentences 9.36.6.2.(1), 9.36.6.2.(3), 9.36.6.2.(4), 10.2.3.2.(1), and 10.2.3.2.(2) is intended to accommodate the various modelling approaches.

15 ***Appendix Note A-9.36.6.3.(2) is amended by striking out*** "must also conform" ***and substituting*** "may also conform".

16 ***Appendix Note A-10.2.1.1.(3) is repealed.***

17 ***Appendix Note A-10.2.3.3.(2) is amended by striking out*** "Article 10.3.1.4." ***and substituting*** "Article 10.2.3.4.".

18 ***Appendix Note A-10.2.3.4.(1)(a) and (2) is amended by striking out*** "Table 10.2.3.3.A. and Table 10.2.3.3.B." ***and substituting*** "Table 10.2.3.3.A and Table 10.2.3.3.B".

19 ***Appendix Note A-10.2.3.4.(3) is amended***

(a) by repealing the Note heading and substituting the following:

A-10.2.3.4.(3) Air Leakage Rate

(b) by adding "Air Leakage Rate in Energy Model Calculations" below the Note heading, and

(c) by deleting "A-10.2.3.4.(3)" before the headings **"Air Leakage Rate in Energy Model Calculations for Step 1"** ***and*** **"Air Leakage Rate".**

Division 3 – Changes to Attribution Table of Division B

20 ***Attribution Table 10.4.1.1. in the Attribution Tables of Division B is amended by repealing the following item:***

10.2.1.1. Design	
(1)	[F85-OE1.1] [F86-OE1.1]
(2)	[F85-OE1.1]
(3)	[F85-OE1.1]
(4)	[F85-OE1.1]
(5)	[F85-OE1.1]

Division 4 – Changes to Division C

21 ***Article 2.2.8.1. of Division C is amended by adding the following Sentence:***

4) The mechanical energy use intensity in Clause (3)(a), the thermal energy demand intensity in Clause (3)(b), the peak thermal load in Clause (3)(c), and the EnerGuide Rating % lower than EnerGuide Reference House in Clause 3(d) shall account for the airtightness referenced in Clauses (3)(e) or (f), as applicable.

22 ***Clause 2.2.8.3.(2)(e) is amended by striking out*** "a statement that the calculation was performed in compliance with Subsection 9.36.5. of Division B." ***and substituting*** "a statement that the calculation was performed in compliance with

i) Subsection 9.36.5. of Division B

ii) Sentence 9.36.6.3.(3) of Division B, or

iii) Sentence 9.36.6.4.(2) of Division B."

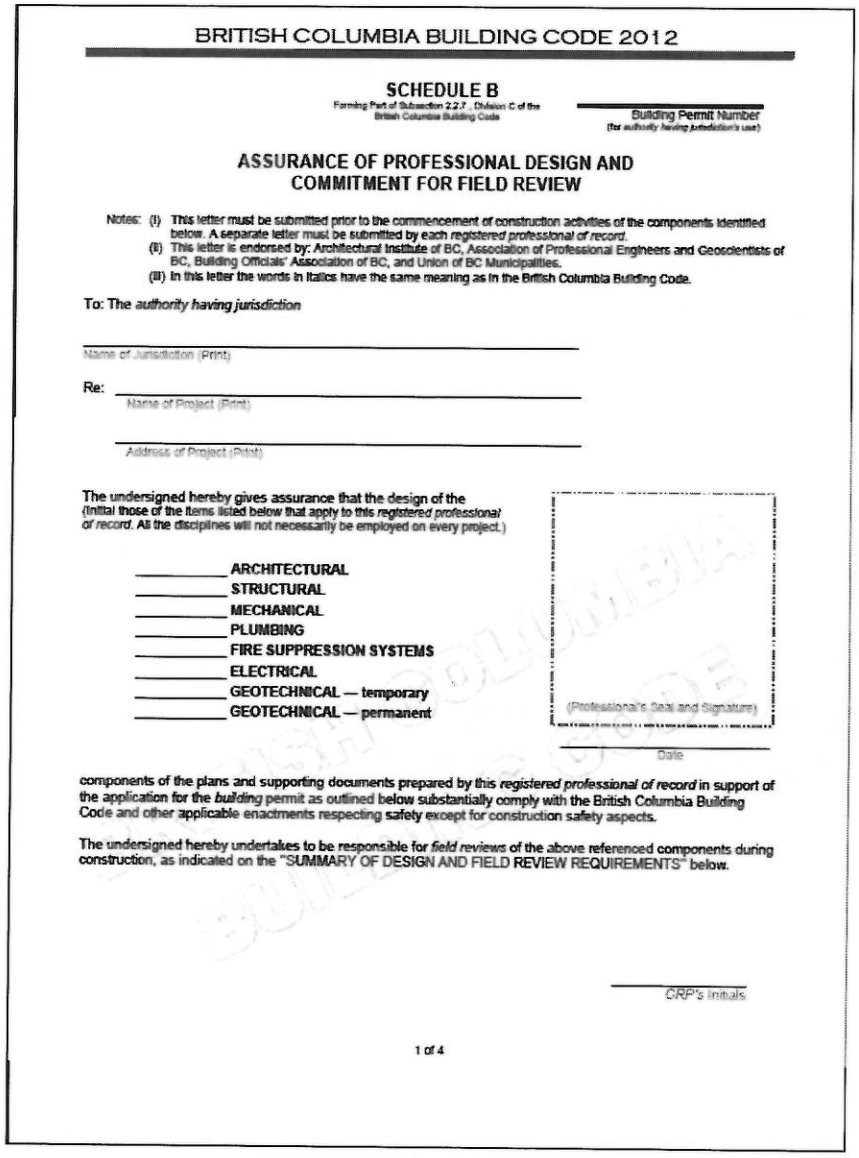
23 ***Article 2.2.9.2. is amended***

(a) in Sentence (1) by striking out "plans or specifications" ***and substituting*** "drawings or specifications",

(b) in Clause (e) by striking out "Steps 2 to 5" ***and substituting*** "Steps 2 to 4", ***and***

(c) in Sentence (2) by striking out "Clause (1)(d)." ***and substituting*** "Clauses (1)(d) or (e), as applicable.".

24 Schedule B is repealed and the attached Schedule B is substituted.



BRITISH COLUMBIA BUILDING CODE 2012

SCHEDULE B

Forming Part of Subsection 2.2.7. , Division C of the British Columbia Building Code

Building Permit Number
(for authority having jurisdiction's use)

ASSURANCE OF PROFESSIONAL DESIGN AND COMMITMENT FOR FIELD REVIEW

Notes: (I) This letter must be submitted prior to the commencement of construction activities of the components identified below. A separate letter must be submitted by each *registered professional of record*.
(II) This letter is endorsed by: Architectural Institute of BC, Association of Professional Engineers and Geoscientists of BC, Building Officials' Association of BC, and Union of BC Municipalities.
(III) In this letter the words in italics have the same meaning as in the British Columbia Building Code.

To: The *authority having jurisdiction*

Name of Jurisdiction (Print)

Re: Name of Project (Print)

Address of Project (Print)

The undersigned hereby gives assurance that the design of the (Initial those of the items listed below that apply to this *registered professional of record*. All the disciplines will not necessarily be employed on every project.)

(Professional's Seal and Signature)

Date

_____ **ARCHITECTURAL**
_____ **STRUCTURAL**
_____ **MECHANICAL**
_____ **PLUMBING**
_____ **FIRE SUPPRESSION SYSTEMS**
_____ **ELECTRICAL**
_____ **GEOTECHNICAL — temporary**
_____ **GEOTECHNICAL — permanent**

components of the plans and supporting documents prepared by this *registered professional of record* in support of the application for the *building* permit as outlined below substantially comply with the British Columbia Building Code and other applicable enactments respecting safety except for construction safety aspects.

The undersigned hereby undertakes to be responsible for *field reviews* of the above referenced components during construction, as indicated on the "SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS" below.

CRP's Initials

1 of 4

Schedule B - *Continued*

Building Permit Number
(for authority having jurisdiction's use)

Project Address

Discipline

The undersigned also undertakes to notify the *authority having jurisdiction* in writing as soon as possible if the undersigned's contract for *field review* is terminated at any time during construction.

I certify that I am a *registered professional* as defined in the British Columbia Building Code.

Registered Professional of Record's Name (Print)

Address (Print)

Phone No.

(Professional's Seal and Signature)

Date

(If the *Registered Professional of Record* is a member of a firm, complete the following.)

I am a member of the firm _____
and I sign this letter on behalf of the firm. (Print name of firm)

Note: The above letter must be signed by a *registered professional of record*, who is a *registered professional*. The British Columbia Building Code defines a *registered professional* to mean

(a) a person who is registered or licensed to practise as an architect under the Architects Act, or
(b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act.

CRP's Initials

Schedule B - *Continued*

Building Permit Number
(for authority having jurisdiction's use)

Project Address

Discipline

SUMMARY OF DESIGN AND FIELD REVIEW REQUIREMENTS

(Initial applicable discipline below and cross out and initial only those items not applicable to the project.)

____ ARCHITECTURAL

1.1 Fire resisting assemblies
1.2 *Fire separations* and their continuity
1.3 *Closures*, including tightness and operation
1.4 Egress systems, including *access to exit* within *suites* and *floor areas*
1.5 Performance and physical safety features (guardrails, handrails, etc.)
1.6 Structural capacity of architectural components, including anchorage and seismic restraint
1.7 Sound control
1.8 Landscaping, screening and site grading
1.9 Provisions for firefighting access
1.10 *Access* requirements for *persons with disabilities*
1.11 Elevating devices
1.12 Functional testing of architecturally related fire emergency systems and devices
1.13 Development Permit and conditions therein
1.14 Interior signage, including acceptable materials, dimensions and locations
1.15 Review of all applicable shop drawings
1.16 Interior and exterior finishes
1.17 Dampproofing and/or waterproofing of walls and slabs below *grade*
1.18 Roofing and flashings
1.19 Wall cladding systems
1.20 Condensation control and cavity ventilation
1.21 Exterior glazing
1.22 Integration of building envelope components
1.23 Environmental separation requirements (Part 5)
1.24 Building envelope, Part 10 – ASHRAE, NECB or Energy Step Code requirements
1.25 Building envelope, testing and/or confirmation of Part 10 requirements

(Professional's Seal and Signature)

Date

____ STRUCTURAL

2.1 Structural capacity of structural components of the *building*, including anchorage and seismic restraint
2.2 Structural aspects of *deep foundations*
2.3 Review of all applicable shop drawings
2.4 Structural aspects of unbonded post-tensioned concrete design and construction

____ MECHANICAL

3.1 HVAC systems and devices, including high *building* requirements where applicable
3.2 *Fire dampers* at required *fire separations*
3.3 Continuity of *fire separations* at HVAC penetrations
3.4 Functional testing of mechanically related fire emergency systems and devices
3.5 Maintenance manuals for mechanical systems
3.6 Structural capacity of mechanical components, including anchorage and seismic restraint
3.7 Review of all applicable shop drawings
3.8 Mechanical systems, Part 10 – ASHRAE, NECB or Energy Step Code requirements
3.9 Mechanical systems, testing and/or confirmation of Part 10 requirements

CRP's Initials

Schedule B - *Continued*

Building Permit Number
(for authority having jurisdiction's use)

Project Address

Discipline

PLUMBING

4.1 Roof drainage *systems*
4.2 Site and foundation *drainage systems*
4.3 *Plumbing systems* and devices
4.4 Continuity of *fire separations* at plumbing penetrations
4.5 Functional testing of plumbing related fire emergency systems and devices
4.6 Maintenance manuals for *plumbing systems*
4.7 Structural capacity of plumbing components, including anchorage and seismic restraint
4.8 Review of all applicable shop drawings
4.9 Plumbing systems, Part 10 – ASHRAE, NECB or Energy Step Code requirements
4.10 Plumbing systems, testing and/or confirmation of Part 10 requirements

FIRE SUPPRESSION SYSTEMS

5.1 Suppression system classification for type of *occupancy*
5.2 Design coverage, including concealed or special areas
5.3 Compatibility and location of electrical supervision, ancillary alarm and control devices
5.4 Evaluation of the capacity of city (municipal) water supply versus system demands and domestic demand, including pumping devices where necessary
5.5 Qualification of welder, quality of welds and material
5.6 Review of all applicable shop drawings
5.7 Acceptance testing for "Contractor's Material and Test Certificate" as per NFPA Standards
5.8 Maintenance program and manual for suppression systems
5.9 Structural capacity of sprinkler components, including anchorage and seismic restraint
5.10 For partial systems — confirm sprinklers are installed in all areas where required
5.11 Fire Department connections and hydrant locations
5.12 Fire hose standpipes
5.13 Freeze protection measures for fire suppression systems
5.14 Functional testing of fire suppression systems and devices

ELECTRICAL

6.1 Electrical systems and devices, including high building requirements where applicable
6.2 Continuity of *fire separations* at electrical penetrations
6.3 Functional testing of electrical related fire emergency systems and devices
6.4 Electrical systems and devices maintenance manuals
6.5 Structural capacity of electrical components, including anchorage and seismic restraint
6.6 Clearances from *buildings* of all electrical utility equipment
6.7 Fire protection of wiring for emergency systems
6.8 Review of all applicable shop drawings
6.9 Electrical systems, Part 10 – ASHRAE, NECB or Energy Step Code requirements
6.10 Electrical systems, testing and/or confirmation of Part 10 requirements

GEOTECHNICAL — Temporary

7.1 *Excavation*
7.2 Shoring
7.3 Underpinning
7.4 Temporary construction dewatering

GEOTECHNICAL — Permanent

8.1 Bearing capacity of the *soil*
8.2 Geotechnical aspects of deep *foundations*
8.3 Compaction of engineered fill
8.4 Structural considerations of *soil*, including slope stability and seismic loading
8.5 Backfill
8.6 Permanent dewatering
8.7 Permanent underpinning

(Professional's Seal and Signature)

Date

CRP's Initials

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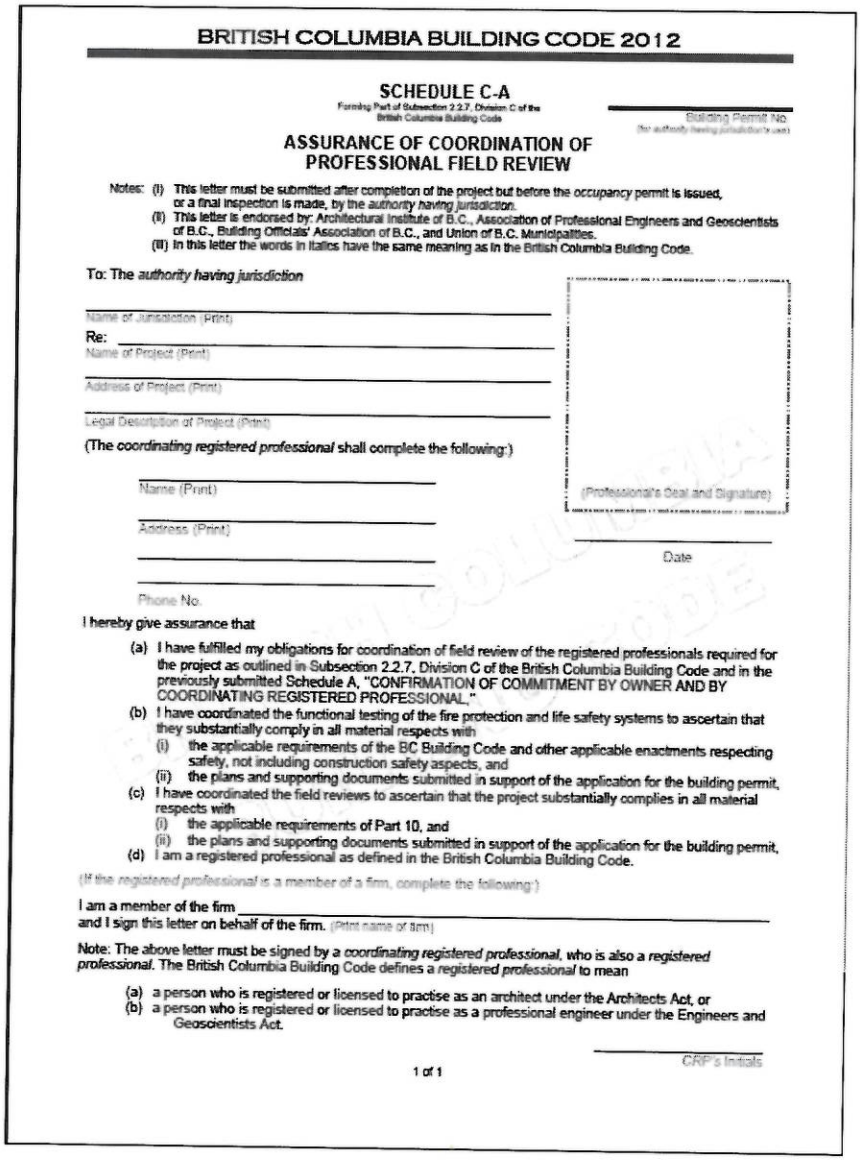
25 Schedule C-A is repealed and the attached Schedule C-A is substituted.



BRITISH COLUMBIA BUILDING CODE 2012

SCHEDULE C-A

Forming Part of Subsection 2.2.7. Division C of the British Columbia Building Code

Building Permit No.
(for authority having jurisdiction's use)

ASSURANCE OF COORDINATION OF PROFESSIONAL FIELD REVIEW

Notes: (I) This letter must be submitted after completion of the project but before the *occupancy* permit is issued, or a final inspection is made, by the *authority having jurisdiction*.
(II) This letter is endorsed by: Architectural Institute of B.C., Association of Professional Engineers and Geoscientists of B.C., Building Officials' Association of B.C., and Union of B.C. Municipalities.
(III) In this letter the words in italics have the same meaning as in the British Columbia Building Code.

To: The *authority having jurisdiction*

Name of Jurisdiction (Print)

Re:
Name of Project (Print)

Address of Project (Print)

Legal Description of Project (Print)

(The *coordinating registered professional* shall complete the following:)

Name (Print)

Address (Print)

Phone No.

(Professional's Seal and Signature)

Date

I hereby give assurance that

(a) I have fulfilled my obligations for coordination of field review of the registered professionals required for the project as outlined in Subsection 2.2.7, Division C of the British Columbia Building Code and in the previously submitted Schedule A, "CONFIRMATION OF COMMITMENT BY OWNER AND BY COORDINATING REGISTERED PROFESSIONAL."
(b) I have coordinated the functional testing of the fire protection and life safety systems to ascertain that they substantially comply in all material respects with
  (i) the applicable requirements of the BC Building Code and other applicable enactments respecting safety, not including construction safety aspects, and
  (ii) the plans and supporting documents submitted in support of the application for the building permit,
(c) I have coordinated the field reviews to ascertain that the project substantially complies in all material respects with
  (i) the applicable requirements of Part 10, and
  (ii) the plans and supporting documents submitted in support of the application for the building permit,
(d) I am a registered professional as defined in the British Columbia Building Code.

(If the *registered professional* is a member of a firm, complete the following:)

I am a member of the firm
and I sign this letter on behalf of the firm. (Print name of firm)

Note: The above letter must be signed by a *coordinating registered professional*, who is also a *registered professional*. The British Columbia Building Code defines a *registered professional* to mean

(a) a person who is registered or licensed to practise as an architect under the Architects Act, or
(b) a person who is registered or licensed to practise as a professional engineer under the Engineers and Geoscientists Act.

CRP's Initials

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