



## 2024 BC Building Code – LIST OF REVISIONS – ESC, ZCSC

Code Reference	TYPE OF CHANGE			
	Editorial	Relocated	New	Comments
<b>Division B - Part 9</b>				
<b>Section 9.36</b>				
9.36.1.2(5)			✓	Added term “annual energy consumption”
9.36.1.2(6)			✓	Added term “house energy target”
9.36.1.2(7)			✓	Added term “principal ventilation rate”
9.36.1.2(8)			✓	Added term “volume of <i>conditioned space</i> ”
9.36.1.2(9)			✓	Added term “log homes”
9.36.1.3(6)			✓	New sentence regarding performance pathways for buildings containing dwelling units only.
9.36.1.3(7)(a)(b)(c)			✓	New sentences regarding log homes and compliance pathways
9.36.1.3(8)			✓	New sentence for exemption for log homes from compliance Tables
9.36.2.6(1) (c) (i) (ii)			✓	New sentence relating to Table 9.36.2.6-C. Addition of heat pump in addition to HRV.
Table 9.36.2.6.-C			✓	New Table – <b>Effective Thermal Resistance of Above-ground Opaque Assemblies for Buildings Containing Only Dwelling Units</b>
Table 9.36.2.7-A			✓	New maximum U-values for fenestration and doors
Table 9.36.2.7-B			✓	New maximum u-values for skylights
9.36.2.7(11)			✓	New sentence regarding fenestration for buildings containing dwelling units only
Table 9.36.2.7-D			✓	New Table - maximum u values for fenestration for buildings containing dwelling units only
9.36.2.8(1)(c)(i)(ii)			✓	New sentence to include heat pumps in calculating thermal characteristics of building assemblies below grade or in contact with the ground
Table 9.36.2.8-C			✓	New Table – <b>Effective Thermal Resistance of Assemblies Below-Grade or in Contact with the Ground for Building Containing Dwelling Units Only</b>



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Table 9.36.3.10			✓	Revised Table - HVAC Equipment Performance Requirements (inc. Heat pumps/ Air Con/standards)
Division A – 2.2.1.1.(1) Objectives			✓	New objective statements added regarding energy efficiency and GHG emissions
Division A – 3.2.1.1.(1) Functional Statements			✓	New functional Statement added to limit excessive GHG
Division B – 1.1.2.1.(1)			✓	Addition of New Code Sections 9.37 & 10.3
Division B – 1.3.1.2. Referenced Documents and Organizations – Table 1.3.1.2.	✓			<b>Revised Documents in Table 1.3.1.2.</b>
9.36.5.2.(2), (3), (4)	✓			Deleted Sentences (2), (3) & (4).
9.36.5.2.(2)			✓	Addition of Sentence 9.36.5.2.(2) – Definition of “proposed house”
9.36.5.3.(1), (2) & (7)	✓			Revised 9.36.5.3.(1) & (2) & added 9.36.5.1.(7) – provisions for log homes
9.36.5.4.(4)	✓			Revised and removed adjustment factors. Now only references Table 9.36.5.4. & 9.36.5.(4)b)
Table 9.36.5.4	✓			Revised Table with new Avg. Load
9.36.5.4.(5) a)	✓			Revised temperature from 21C to 20C
9.36.5.4.(10)	✓			Added “Sentence 9.36.5.10.(10) or Article 9.36.7.3., as applicable.”
9.36.5.8.(5)	✓			Added 5) Except as provided in Sentence (8),
9.36.5.8.(6) a) and b)	✓			Revised temperatures, <b>and</b> Note a) now only references houses <b>without a secondary suite</b>
Table 9.36.5.4	✓			Revised table and added no. 7 & 8 to notes
9.36.5.10.(9)	✓			Revised airtightness values in a) & b) revised c) the airtightness determined in accordance with Sentence 9.36.7.3.(1). And removed i) & ii)



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9.36.5.10.(10)	✓			Revised Sentence with (10) For compliance with Clause (9)(c), a design airtightness value shall be assigned for use in the energy model until the actual airtightness has been measured.
9.36.5.10.(11), (12), (13)	✓			Deleted Sentence 11)
9.36.5.12.(2)	✓			<b>Revised</b> 9.36.5.12.b) drain-water heat recovery, provided i) the calculation of the heat recovered is based on the performance of the drain-water heat recovery unit specified, as determined in accordance with CSA B55.1, “Test method for measuring efficiency and pressure loss of drain water heat recovery units,” using a drain-water inlet temperature of 35°C, and ii) where there are one or two above-ground showers, all of them are served by the drain-water heat-recovery unit, and where there are more than two above-ground showers, at least two of them are served by the drain-water heat-recovery unit. <b>Deleted iii)</b>
9.36.5.14.(2)	✓		✓	<b>Revised and added</b> 2) The energy model calculations for the reference house shall use the following set values: d) an airtightness of i) 3.0 air changes per hour at 50 Pa pressure differential where airtightness used for the proposed house is determined in accordance with Sentence 9.36.7.3.(1) using the unguarded method, and ii) 2.5 air changes per hour at 50 Pa pressure differential otherwise, and e) the pressure exponent used for the proposed house where this value is less than 0.67, otherwise, 0.67.
9.36.6.1.(2)			✓	Addition of 2) This Subsection is concerned with determining compliance with one of the energy performance Steps through modeling the energy performance of components, systems and assemblies that are



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				installed in buildings and houses with or without a secondary suite, described in Sentence 9.36.1.3.(3)
9.36.6.2.(2)			✓	<b>Addition</b> of the term “house”
9.36.6.2.(5)	✓			<b>Deleted</b>
9.36.6.3. Tables	✓			<b>Revised</b> Tables and changed for minimum Step 3
Table 9.36.6.3-G.			✓	<b>New</b> Table 9.36.6.3.-G – Energy Performance Steps for Buildings and Houses
9.36.6.2.(5)	✓		✓	<b>Revised</b> 5) The energy performance of <i>buildings</i> and houses, when calculated in accordance with Article 9.36.6.5., shall conform to the applicable step in Table 9.36.6.3.-G based on the total volume of conditioned space within the building or house for the energy performance metrics indicated in Table 9.36.6.3.-G such that a) the target “percent heat loss reduction” is met or exceeded, and b) the target “percent improvement” is met or exceeded. (See Note A-9.36.6.3.(5)(b).)
9.36.6.4.	✓			<b>Revised</b> Energy modeling conformance requirements
9.36.6.4.			✓	<b>New</b> “Energy Performance Improvement Compliance Calculations”
9.36.7.(1), (2), and (3)			✓	<b>New</b> “Airtightness of Building Envelope” Includes 2 new airtightness metrics “NLA10” & “NLR50”
9.36.7.4			✓	<b>New</b> “Determination of Airtightness Level” <b>New</b> Airtightness Chart including the 2 new Metrics “NLA10” & “NLR50”
<b>Division B - Part 9 Section 9.37</b>				
9.37			✓	<b>New Section</b> “Greenhouse Gas Emissions”



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9.37.1.2.			✓	<b>New</b> “Definitions and Abbreviations” with respect to Greenhouse Gas Emissions
9.37.1.3			✓	<b>New</b> “Compliance Requirements”
Table 9.37.1.3			✓	<b>New</b> “Greenhouse Gas Emissions” Table Includes Emission Levels EL-1 to EL-4 and Part 9 Prescriptive Option
9.37.1.4			✓	<b>New</b> “Greenhouse Gas Emissions Compliance Calculations”