



2024 BC Building Code – LIST OF REVISIONS – Earthquake and Windloads

Code Reference	TYPE OF CHANGE			
	Editorial	Relocated	New	Comments
Division B - Part 9 Section 9.4				
9.4.1.1.			✓	<p>Article 2.2.7.6. of Division C has been included in (See Note A-9.4.1.1. and Article 2.2.7.6. of Division C) This requires the Review of Construction Dimensions and consideration is to be given to the prescriptive metric values in the Code that may have been converted and rounded from imperial values.</p> <p>A NEW proposed change to the 2023 BCBC from the public review is proposing the following change to Sentence 9.4.1.1.(3) seismic spectral accelerations have been replaced with seismic design parameters.</p>
9.4.2.1.			✓	<p>Article 9.4.2.2. has been included in (See Note A-9.4.2.1. and Article 9.4.2.2.) Due to snow drifting on multi-level roofs with larger upper roof areas (formed by multiple adjoining Part 9 buildings), where the upper-level roof has a slope less than 1 in 6 and the roof step has a height greater than 2 m, the snow drift load on the lower-level roof near the roof step must be considered in accordance with Sentence 9.4.2.2.(4). Defining the snow density value γ as indicated below. γ = specific weight of snow taken as 4.0 kN/m³ or 0.43Ss + 2.2 kN/m³, whichever is lesser.</p>
9.4.2.2.			✓	<p>NEW Sentences 4 and 5 have been added to Article 9.4.2.2. Snow drift formulas have been added where the height of a roof step at the intersection of an upper-level roof and a lower-level roof is greater than 2 m, and the upper-level roof has a slope less than 1 in 6 and an area greater than 600 m², the specified snow load on the lower-level roof shall be calculated in accordance with Sentence (5).</p>
9.4.2.5.			✓	<p>A NEW proposed change to the 2023 BCBC from the public review is proposing the following change by adding a NEW Article 9.4.2.5. with 2 Sentences.</p>



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				<p>The new Article 9.23.2.5. Sentences (1) and (2) introduce the value of the seismic design parameter, S_{max}.</p> <p>A NEW Note A-9.4.2.5., is referenced after Article 9.4.2.5.</p> <p>A NEW Note A-9.4.2.5.(1), is referenced after Sentence 9.4.2.5.(1).</p> <p>A NEW Note A-9.4.2.5.(2), is referenced after Sentence 9.4.2.5.(2).</p>
Division B - Part 9 Section 9.20				
9.20.1.1.			✓	<p>A NEW proposed change to the 2023 BCBC from the public review is proposing the following changes to 9.20.1.1.(1)(b)(iii). spectral accelerations has been replaced with design parameters and S_{max}, for Site Class C has been added 0.4 has been replaced with 0.27 also Article 9.4.2.5. has been added and Note A-9.20.1.2. has been removed.</p>
9.20.1.2.			✓	<p>A NEW proposed change to the 2023 BCBC from the public review is proposing the following changes to 9.20.1.2.</p> <p>Note A-9.20.1.2. has been replaced with also Article 9.4.2.5.</p> <p>In Sentence (1) spectral acceleration, $S_a(0.2)$, has been replaced with seismic design parameter, S_{max}, for Site Class C and 0.55 has been replaced with 0.37.</p> <p>In Sentence (2) spectral acceleration, $S_a(0.2)$, has been replaced with seismic design parameter, S_{max}, for Site Class C, 0.35 has been replaced with 0.23, but less than or equal to has been replaced with not greater than and 0.55 has been replaced with 0.37.</p>
9.20.9.5.			✓	<p>NEW Clauses (e) and (f) have been added to Sentences 1 and Sentence (2) have been added to Article 9.20.9.5.</p> <p>Several conditions regarding materials and sizes have been added to the Clauses and the straps are required to be pre-bent and pre-drilled or pre-punched prior to being hot-dipped, zinc-coated galvanizing.</p>



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9.20.16.1.			✓	The Coating Class or Thickness has increased for the Connector Material of Sheet (less than 3.18 mm thick) in the Table 9.20.16.1. and the Note (1) to the Table has been changed. The Coating Class or Thickness has increased to 460 g/m2 on material 0.76 mm thick (Note 1).
Division B - Part 9 Section 9.23				
9.23.1.1.			✓	A NEW proposed change to the 2023 BCBC from the public review is proposing the following changes to Sentence 9.23.1.1.(1). Sentence (1) has been changed by adding Subject to the application limitations defined elsewhere in this Part , to the beginning of the Sentence.
9.23.2.4.			✓	A new Article has been inserted after 9.23.2.3., which is 9.23.2.4. with 3 Sentences and the existing Article 9.23.2.4. Lumber is now indicated as Article 9.23.2.5. The new Article 9.23.2.4. Sentences (1) and (2) explain what the connectors and fasteners in contact with preservative-treated wood shall be made of and Sentence (3) provides an option if the connectors and fasteners have been treated in accordance with Sentence (3).
9.23.3.	✓			The Title of 9.23.3. was changed to Fasteners and Connectors from what was just Fasteners.
9.23.3.1			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed to Sentence 9.23.3.1.(2), Table 9.23.3.1. Diameter of Nails and to the Note A-9.23.3.1.(2) Alternative Nail Sizes. Sentence (2) has been changed by adding references to 9.23.3.5.-A to 9.23.3.5.-C . Table 9.23.3.1. has been changed by adding two more length of nails and the minimum diameter of those nails. Note A-9.23.3.1.(2) Alternative Nail Sizes has been edited and changed to reference several additional Tables.
9.23.3.4.			✓	Some additional construction details have been added to Table 9.23.3.4. including End-joint or end-



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				rafter to built-up wall stud (4) which has been added at the end Table 9.23.3.4. Note (4) See Sentence 9.23.13.5.(3), has been added to the Table regarding the above and Note (5) has been added to the Table also regarding the above, where heavyweight construction is used in the roof of the space, at least 8 nails are required (see Note A-9.23.13.2.(3)).
9.23.3.5.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by adding Clauses (a), (b) and (c) to Sentence 9.23.3.5.(1), Table 9.23.3.5.-A, and a NEW Note has been added to the Table. NEW proposed changes to the 2023 BCBC from the public review are proposed to Sentence 9.23.3.5.(2), Table 9.23.3.5.-B, and a 3 NEW Notes have been added and 1 Note has been removed from the Table. NEW proposed changes to the 2023 BCBC from the public review are proposed to Sentence 9.23.3.5.(3), a NEW Table 9.23.3.5.-C, replacing the existing Table, 9 NEW Notes have been added to the Table and Table 9.23.3.5.-D has been removed. NEW proposed changes to the 2023 BCBC from the public review are proposed by adding Clauses (b) and (c) to Sentence 9.23.3.5.(4), and Sentence (8) has been removed. NEW proposed changes to the 2023 BCBC from the public review are proposed by adding Note A-Table 9.23.3.5.-C Reference Framing Types, Note A-Table 9.23.3.5.-B Alternative Nail Sizes, and Table A-Table 9.23.3.5.-B Alternative Nail Diameters and Spacing, has also been removed.
9.23.6.1.			✓	Lateral earth pressures has been added to Sentence 9.23.6.1.(1), which now in addition to wind and earthquake loads lateral earth pressures need to be considered when building frames are anchored to foundations. NEW proposed changes to the 2023 BCBC from the public review are proposed to Sentence 9.23.6.1.(3), Sentence (4) has been removed and Table 9.23.6.1.-A, is NEW replacing the existing Table.



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				NEW proposed changes to the 2023 BCBC from the public review are proposed to Sentence 9.23.6.1.(6), with 3 new Clauses, Note A-9.23.6.1.(3) Anchorage of Braced Wall Panels and Figure [A-9.23.6.1.(3)] Anchorage of braced wall panels have been added.
9.23.11.4.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by adding Clauses (a), (b) and (c) to Sentence (1), changes to Sentence (5), and adding Clauses (a) and (b), a NEW Table 9.23.11.4.-A, removing the existing Table 9.23.11.4. and adding 5 NEW Notes to the Table. NEW proposed changes to the 2023 BCBC from the public review are proposed by adding a NEW Table 9.23.11.4.-C, with 3 NEW Notes to the Table. NEW proposed changes to the 2023 BCBC from the public review are proposed by adding Sentence (6) and (7) with Clauses (a), (b) and (c).
9.23.13.1.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by removing the Note A-9.23.13.1. and changes to Sentences (1) and (2), with both having 4 NEW Clauses.
9.23.13.2.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by adding two NEW Clauses to Sentence (1), changes to the two existing Clauses and a NEW Sentence (3) has been added to this Article. Clause (3)(a) provides direction for a building of normal-weight construction, the average dead weight per storey, Clause (3)(b) for a building of heavyweight construction, the average dead weight per storey, Clause (3)(c) for a building clad with masonry veneer, the average dead weight of the masonry veneer and a reference to see Note A-9.23.13.2.(3).
9.23.13.3.			✓	Clauses 9.23.13.3.(1)(b) and (c) have been added, they provide information regarding seismic design parameters.
9.23.13.4.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by moving Sentence (2) as Clause (1)(a) and adding Article 9.23.13.7. to Clause (1)(f).

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9.23.13.5.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by making a few changes to Sentence (1), changes to Table 9.23.13.5., and Notes, adding New Sentences (3) and (4) and deleting Sentences (5) – (7). Clauses 9.23.13.5.(3)(c)(i) and (ii) have been expanded and 9.23.13.5.(3)(d) has been added. Clause 9.23.13.5.(3)(c)(i) and (ii) now require that where roof sheathing edges are not supported on blocking and not more than 600 mm o.c. where roof sheathing edges are supported on blocking securely fastened between framing members and fastened to the wall framing or they are required to conform to Table 9.23.3.4. and Article 9.23.9.1. for balloon framing, and 9.23.13.5.(3)(d) requires that the end-joists or end-rafters for the roof of the space are fastened to a 3-ply, 38 mm × 140 mm built-up column or a 5-ply, 38 mm × 89 mm built-up column is required to be an integral part of the wall framing. (See Note A-9.23.13.5.(3).)
9.23.13.6.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by remove two Clauses and adding two NEW Clause to Sentence (1) adding a NEW Sentence (2), (4) and (5) and changes to Sentence (3) and Table 9.23.13.6. has been deleted. These changes deal with the types of materials that can be used in Braced Wall Panels, their spacing and panels of WSP-A or WSP-B framing type in some cases may have to be substituted for panels of a GWB framing type,
9.23.13.7.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by Adding a NEW Article 9.23.13.7., with 4 NEW Tables and Notes to those Tables.
9.23.13.8.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by Adding a NEW Article 9.23.13.8., with 4 Sentences and a reference to Note A-9.23.13.8.
9.23.13.9.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by Adding a NEW Article 9.23.13.9.



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				These changes explain that cripple walls in stepped foundations need not be braced in accordance with Sentences 9.23.13.8.(2) to (4), provided they meet certain specifications.
9.23.13.10.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by Adding a NEW Article 9.23.13.10., with 4 NEW Sentences and 4 existing Sentences moved from what was previously in Article 9.23.13.7. These changes deal with the construction requirements when dealing with additional system considerations.
9.23.13.11.			✓	NEW proposed changes to the 2023 BCBC from the public review are proposed by Adding a NEW Article 9.23.13.11., with 4 NEW Sentences, 4 NEW Tables and Notes to those Tables. These changes deal with the simplified approach for determining braced wall panel lengths when certain conditions apply.
9.23.14.8(8) & (9)			✓	New sentences added
9.23.14.11			✓	Revamp of BCBC 2018 to NBC 2020 to reference truss design to “good engineering practice” rather than use prescriptive requirements
9.23.16.1.	✓			Replacing “spectral acceleration” to “design parameter”
9.23.16.5.	✓			Replacing “spectral acceleration” to “design parameter”
9.31.6.2(3)	✓			Modification to existing Sentence on HWT anchorage in seismic zones
Division B - Part 9 Section 9.33				
9.33.4.7(2)	✓			Modification to existing Sentence on mechanical equipment anchorage in seismic zones
9.38.1.1(1)	✓		✓	Updated Objective & Functional Statements for the above code