

BC BUILDING CODE INTERPRETATION COMMITTEE

A joint committee with members representing
AIBC, EGBC, BOABC

File No: 12-0122

INTERPRETATION

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Interpretation Date:	October 15, 2019
Building Code Edition:	BC Building Code 2012
Subject:	Bracing to Resist Lateral Loads due to Wind & Earthquake
Keywords:	braced wall panels, braced wall bands
Building Code Reference(s):	9.23.13.5.(1) & (3)

Question:

Refer to the drawing on Page 2.

1. Are braced wall panels required at the outside corner column of Open Area A?
2. Does the 3.5m roof projection mentioned in 9.23.13.5.(3)(a)(i) include the roof overhang?
3. Does the "perpendicular plan dimension" mentioned in 9.23.13.5.(3)(a)(ii) include the roof overhang?

Interpretation:

1. No
Since Open Area A will have braced wall panels in Wall 1 and in Wall 2 which can resist the lateral loads due to wind and earthquake, it is not necessary to add braced wall panels at the outside corner column.
2. Yes
The roof projection mentioned in 9.23.13.5.(3)(a)(i) must include the roof overhang because lateral loads due to wind are created by the entire roof area, and lateral loads due to earthquake are created by the dead load of the entire roof projection.
3. No
The "perpendicular plan dimension" mentioned in 9.23.13.5.(3)(a)(ii) does not include the roof overhang. Refer to the Figure A – Table 9.23.13.5.-B-A in Division B-Appendix A for an illustration of the perpendicular plan dimension. See page 3 for this Figure.



Patrick Shek, P.Eng., CP, FEC, Committee Chair

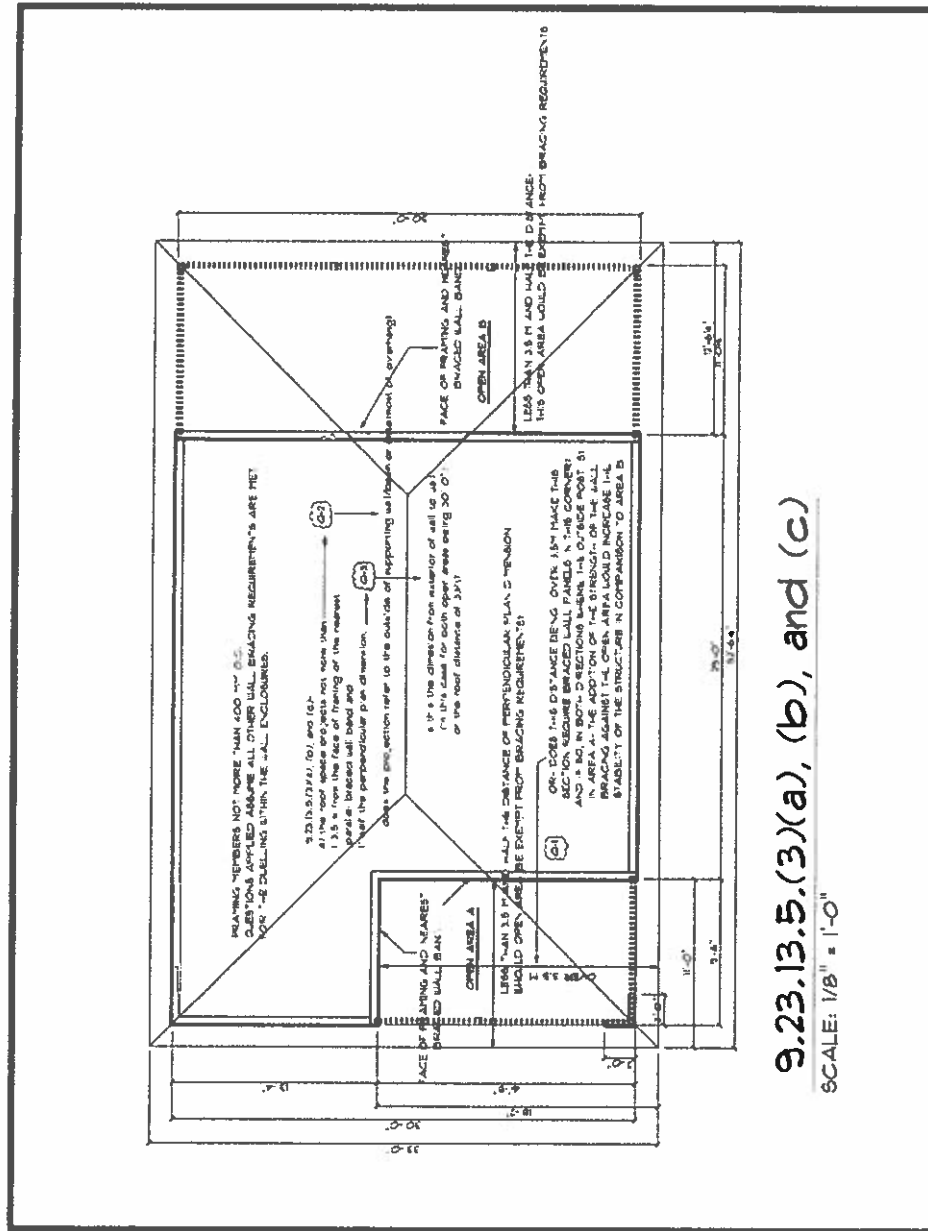
The views expressed are the consensus of the joint committee with members representing AIBC, EGBC and BOABC, which form the BC Building Code Interpretation Committee. The Building and Safety Standards Branch, Province of BC and the City of Vancouver participate in the committee's proceedings with respect to interpretations of the BC Building Code. The purpose of the committee is to encourage uniform province wide interpretation of the BC Building Code. These views should not be considered as the official interpretation of legislated requirements based on the BC Building Code, as final responsibility for an interpretation rests with the local *Authority Having Jurisdiction*. The views of the joint committee should not be construed as legal advice.

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9.23.13.5.(3)(a), (b), and (c)
 SCALE: 1/8" = 1'-0"

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 Patrick Shek, P.Eng., CP, FEC, Committee Chair

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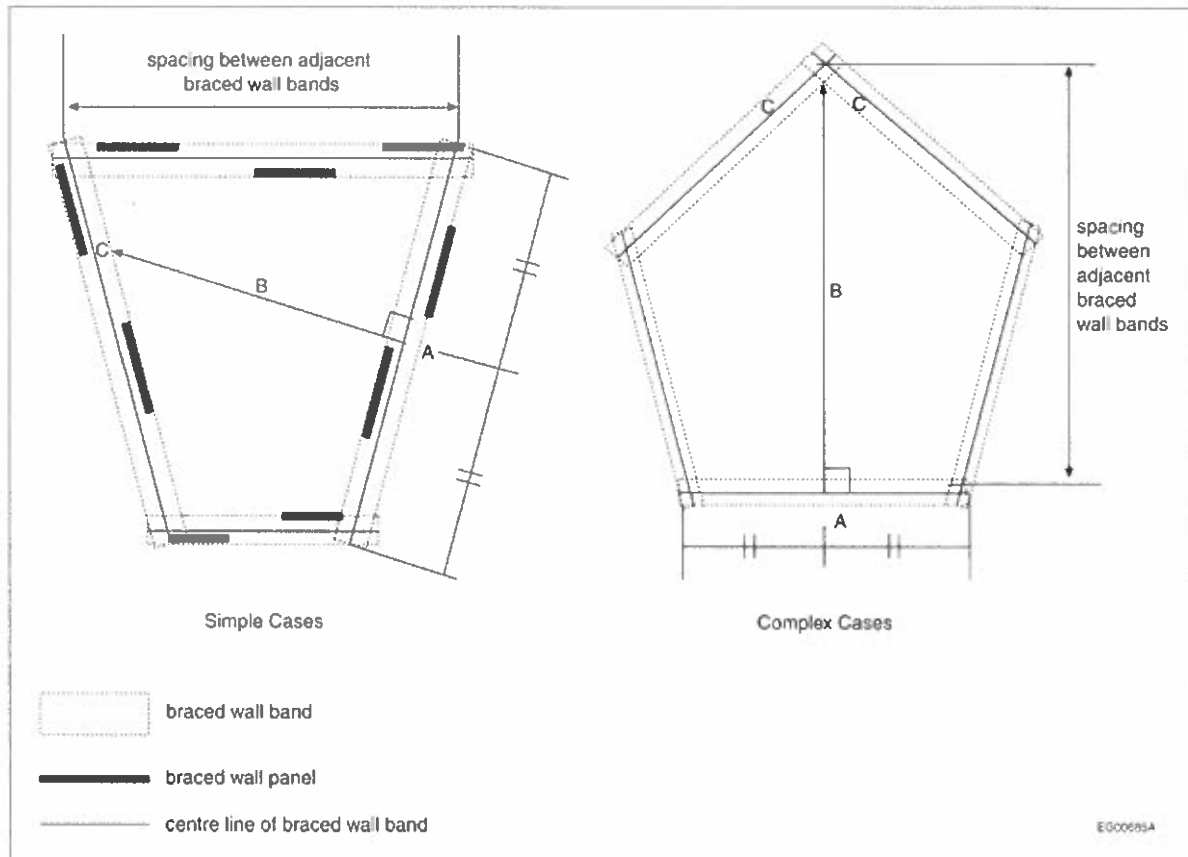


Figure A-Table 9.23.13.5.-B-A
Identification and spacing of adjacent non-parallel braced wall bands

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