

# Requirements for braced wall band construction in earthquake-sensitive areas of Charlotte County

## Anchor Bolt Spacing (metres) <sup>1</sup>

Minimum two anchor bolts per braced wall panel if located within 50 cm (20") of foundation corners, and

Bolt diameter mm (inches)	Light construction <sup>2</sup>			Heavy construction <sup>2</sup>	
	Number of floors supported				
	1	2	3	1	2
12.7 (1/2")	2.4	2.3	1.8	2.4	2.0
15.9 (5/8")	2.4	2.4	2.2	2.4	2.4

- 1) Along braced wall bands - the perimeter walls and any other supports identified as required
- 2) Heavy construction includes clay roofing systems, stone cladding, etc.

## Nailing requirements for framing

Rim joist, trimmer joist or blocking (supporting walls with required braced wall panels) to sill plate or top wall plate:	82 mm (3.25") nails, 150 cm (6") OC
Bottom wall plate or sole plate – in required braced wall panels – to floor joists, rim joists or blocking (exterior walls):	82 mm (3.25") nails, 150 cm (6") OC
Required braced wall panels – in interior walls – to framing above and below:	82 mm (3.25") nails, 150 cm (6") OC

## Nailing requirements for sheathing (St. Stephen-Saint Andrews area)

Sheathing type	Common, spiral, ring nail	Screws	14-gau staple	Minimum number/Spacing
Board lumber 184mm (7 1/4") or less	63 mm (2.5")	51 (2")	63 (2.5")	2 per support
Board lumber > 184mm (7 1/4")	63	51	63	3 per support
Plywood, OSB, waferboard up to 20 mm (3/4") thick	63	51	63	150 mm (6") oc on edge, 300 mm (12") on intermediate supports
Plywood, OSB, waferboard >20 mm (3/4") thick	63	57 (2.25")	n/a	150 mm (6") oc on edge, 300 mm (12") on intermediate supports

This is only for nailing in braced wall panels. Sheathing nailing elsewhere is per standard practice/Code (ie: 2" nails 150 mm oc, 300 mm on intermediate supports.)

## Top plate nailing

- 76 mm common or spiral nails (3")
- 0 floors supported: 2 each side of splice
- 1 floor supported: 5 each side of splice
- 2 floors supported: 8 each side of splice