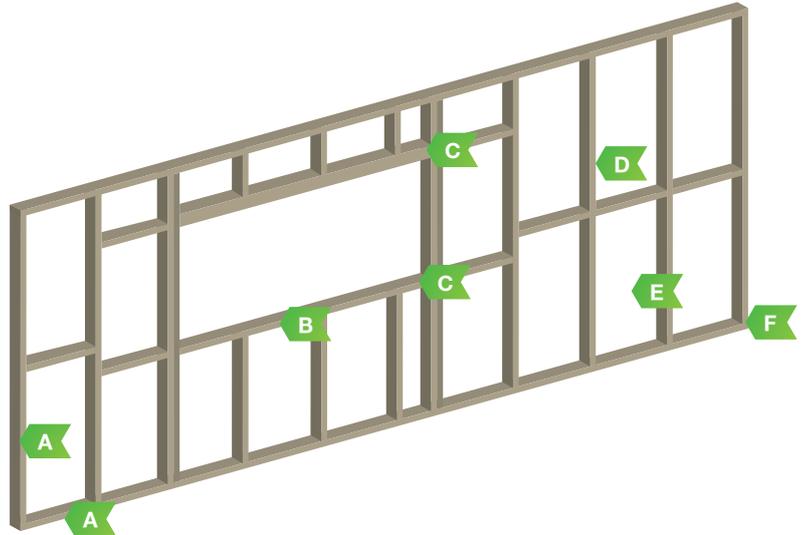


## BRACING DETAILS

### Framing as per NZS 3604

- A Edge and end nail spacing as per table below
- B Edge nail spacing around opening and along adjacent noggs
- C 6kN strap
- D Stud spacing at maximum 600mm centres
- E Board on one face (not fully shown for clarity)
- F 6 kN tiedown to floor at ends of wall



type of board	minimum wall length (mm)	nail* spacing (mm)	tiedowns (kN)	BU/m wind	BU/m e'quake
10mm Triboard	600	150	6	105	125
15mm Triboard	600	150	6	115	130
15mm Triboard	1200	75	12 <sup>2</sup>	150	165

### Notes

- ① Fixing using gun fired brads is approved. Wind bracing rating is 55 BU/m.
- ② 12kN tie down only to be used into concrete floor.
- ③ Nails\* for fixing board to wall framing to be 40 x 2.8mm diameter galvanised flat head nails.  
\*Gun fired nails 2.8mm diameter Full Round Head of equal or longer lengths are acceptable as an alternative.
- ④ Intermediate noggs are not necessary for 15mm Triboard.
- ⑤ The bracing units shown are for board fixed to only one side of the framing.
- ⑥ The bracing units shown are for a 2.4m high wall. For walls more than 2.4m high, the bracing units need to be reduced on a pro rata basis as per NZS 3604, e.g. for a 3m high wall, the bracing units (wind) for 9mm strandboard are  $2.4/3 \times 100 = 80$ .
- ⑦ Fixing to intermediate framing is at 200mm centres.
- ⑧ Wood panel adhesive in dabs at 200mm centres required. (Avoid glue and fixing in same location).

The above information has been developed from tests carried out in the Timber Laboratory of SCION, Rotorua over the period 31 October to 26 November 2008 and 20 May 2014. The testing was carried out in accordance with the P21 test method and the results were evaluated on 23 February 2012 and 20 May 2014 as per the P21 2010 test method.

### Technical Support

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