



F8 Structural Ply

bbi F8 Structural Plywood is manufactured from Radiata Pine using a Super E0 WBP A Bond Exterior Phenol-Formaldehyde glue and tested to the New Zealand Structural Plywood Standard AS/NZS 2269

F8 Structural Plywood is available both Untreated and H3.2 Treated to cover a wide range of indoor and outdoor applications.

F8 Structural Plywood is also available in two grades, CD and DD. CD is a superior grade with no open face knotholes, no more than 8 wood patches and limited synthetic repairs on the face, 150 grit sanding on the face and 100 grit on the back. DD has a solid face with tight knots, limited wood patches and synthetic repairs, 100 grit sanding on the face and 80 grit on the back. bbi works very hard at providing the best quality faces at a reasonable price, but can vary depending on general supply conditions.

F8 Structural Plywood is suitable for bracing elements, box beams, hoardings, wall linings, flooring, sheds, general industrial applications.

All fasteners used must be corrosion resistant to the appropriate specification level depending on the end use; a life expectancy of 15 to 50 years should be considered.

bbi F8 Structural

Sheet Size	Thickness
2400 x 1200 mm	7, 9, 12, 15, 18, 21, 25 mm

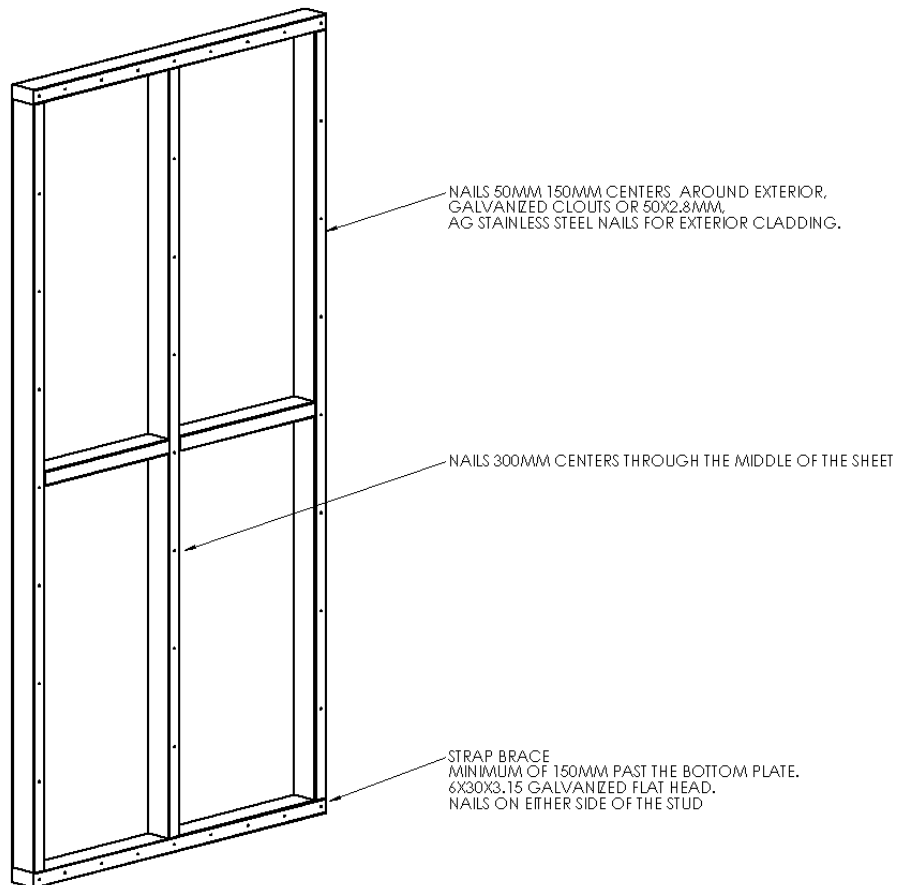
Alternative Names: CD, DD, F8, Structural



Bracing Test (Layout Below)

- Walls were constructed using 90 x 45 MSG8 studs (600 centres), plates and nogs.
- For 6.5mm and 7mm the plywood was fixed with 50 x 2.8 galvanised clouts at 150mm centres around the perimeter and at 300mm centres in the middle.
- For the 12mm Plywood 50 x 2.8mm Annular Grooved Stainless steel fixings were used at the same centres as above.
- Straps of 25 x 0.9mm around the bottom plate at each outside stud and extended a minimum of 150mm past the top of the bottom plate were used with at least 6 timber bracket galvanised 30 x 3.15mm FH nails on each side of the plate giving 6kN on each side of the stud.
- Tested on a concrete floor with 2 M12 hold down bolts and 50 x 50 x 3 galvanised washers on each.
- Tested by Scion, New Zealand April 2011.

Bracing Layout



Bracing Ratings

Arauco Code	Min Wall Length	Plywood Thickness	Max Stud Spacing	Wind*		Earthquake**	
	mm	mm	mm	BU/m	kN	BU/m	kN
AP1	1,200	6.5	600	130	7	132	6.6
AP2	1,200	7	600	142	7	144	7.2
AP3	1,200	12 Grooved	600	123	6	132	6.6

Notes: 20 bracing units = 1kN.

* As limited by the serviceability load capacity.

** As limited by the ultimate load capacity