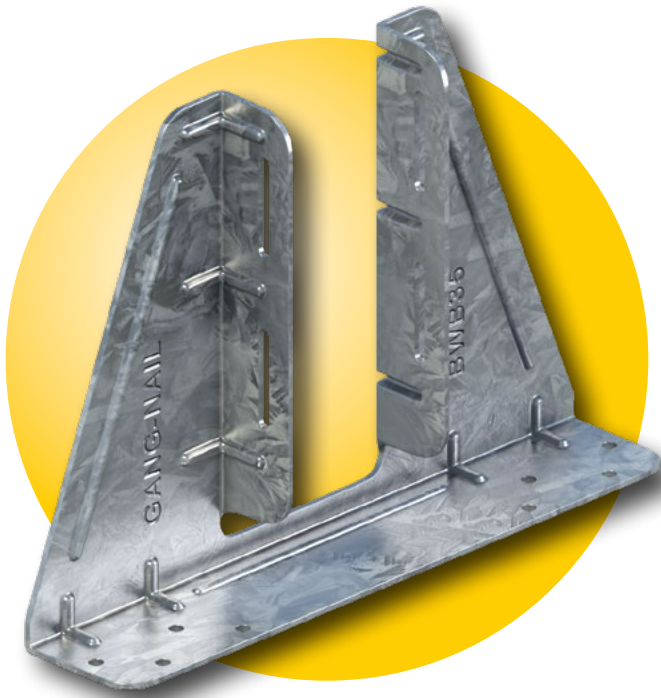


BraceWall

BRACKET



creating the **advantage**



FOR FIXING NON LOAD BEARING BRACING WALLS TO TRUSSES

APPLICATION:

The BraceWall Bracket has been developed to connect the ceiling diaphragm to the top of non load bearing walls and enables lateral loads to be distributed into bracing walls in accordance with AS1684.2 and AS1684.3 “Residential Timber-Framed Construction” clause 8.3.6.9 and AS1684.4 clause 8.3.2.8.

USES

- Each BraceWall Bracket replace a pair of timber shear blocks.
- Acts simultaneously as an InternalWall Bracket.

ADVANTAGES

- Easier and faster to install than timber shear blocks.
- Not prone to splitting (compared to timber blocks).
- Combines shear blocks and InternalWall brackets into one single fixing.
- Design capacity of 3.6kN as determined from full-scale tests.

SPECIFICATIONS:

Steel Grade	G300
Thickness (Total Coated)	1.2 mm
Galvanized Coating	Z275
Nails	MiTek 30 x 2.8mm galvanized reinforced head.
Product Code	BWB35

This Engineered Building Product complies with the National Construction Code Series and Australian Standards.

Truss parallel to bracing wall

Trimmer Size (mm x mm)	Minimum Grade	Minimum Truss Spacing (mm)
90 x 35	MGP10	600
90 x 35	MGP12	900
120 x 35	MGP12	1200

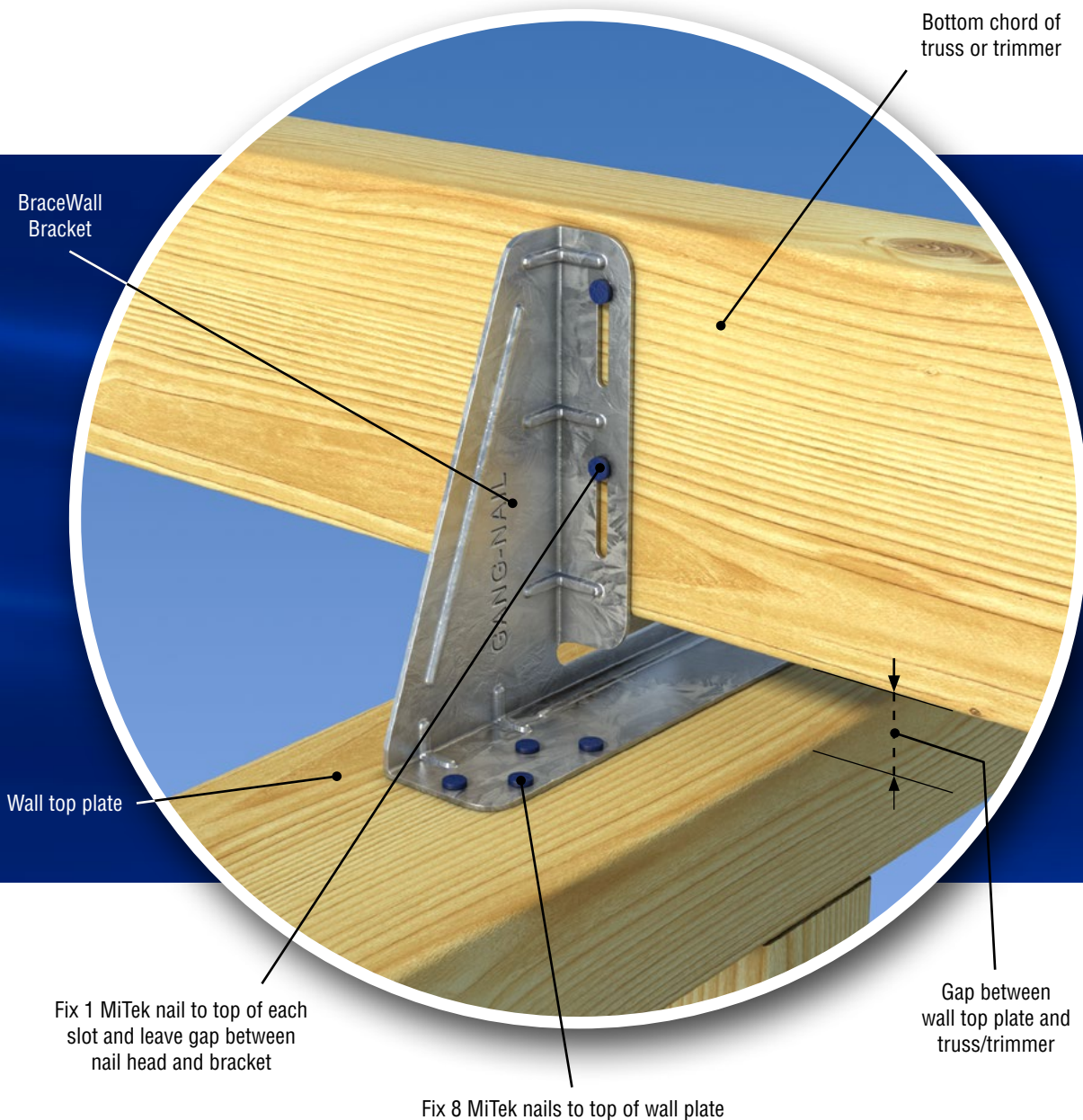
Truss perpendicular to bracing wall.

Fixing Requirements for top of bracing walls									
Bracing Length (m)	Number of BraceWall Brackets								
	For bracing walls rated at (kN/m) capacity								
	1.5	2.0	3.0	3.5	5.5	6.0	6.5	7.5	9.0
0.6	1	1	1	1	1	1	2	2	2
0.9	1	1	1	1	2	2	2	2	3
1.2	1	1	1	2	2	2	3	3	3
1.5	1	1	2	2	3	3	3	4	4
1.8	1	1	2	2	3	3	4	4	5
2.1	1	2	2	3	4	4	4	5	6
2.4	1	2	2	3	4	4	5	5	6
2.7	2	2	3	3	5	5	5	6	7

BRACE WALL BRACKET - INSTALLATION

1. Wrap the BraceWall Bracket under the truss bottom chord when the truss is perpendicular to the wall or under the trimmer when the truss direction is parallel to wall.
2. Position the bracket centrally on top of the wall and fix with eight 30 x 2.8mm MiTek galvanized reinforced head nails.
3. Fix to truss or trimmer at top of each slot with one 30 x 2.8mm MiTek galvanized reinforced head nail from both sides. Leave a small gap between nail head and bracket to allow for vertical movement of truss on loading.

Typical Fixing of BraceWall Bracket



For more information about MiTek's Engineered Building Products or any other MiTek products or your nearest licensed MiTek fabricator, please call your local state office or visit: mitek.com.au



BWB 01/16

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