BUILDING PRODUCT

BraceWall Bracket

FOR FIXING NON LOAD BEARING BRACING WALLS TO TRUSSES

The BraceWall Bracket has been developed to connect the ceiling diaphragm to the top of non-loadbearing walls and enables lateral loads to be distributed into bracing walls.

For durability information, please refer to **Corrosion Resistance of MiTek Metal Connectors,** available on the MiTek website at **mitek.com.au**

In accordance with "Residential Timber-Framed Construction Standards" AS1684.2 and AS1684.3 clause 8.3.6.9 and AS1684.4 clause 8.3.2.8.

USES

- Each BraceWall Bracket replaces 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.

This Certified Engineering Building Product complies with the National Construction Code and Australian Standards.

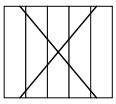
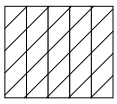
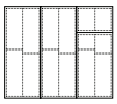
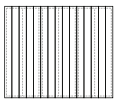
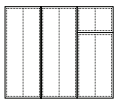
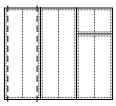
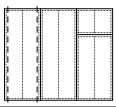
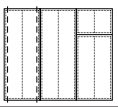
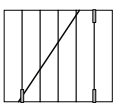
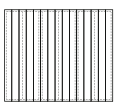
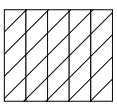
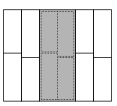
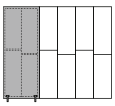
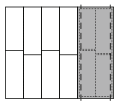
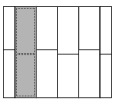
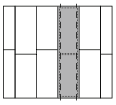
MITEK.COM.AU

CODEMARK CM70055 Australia

SPECIFICATIONS

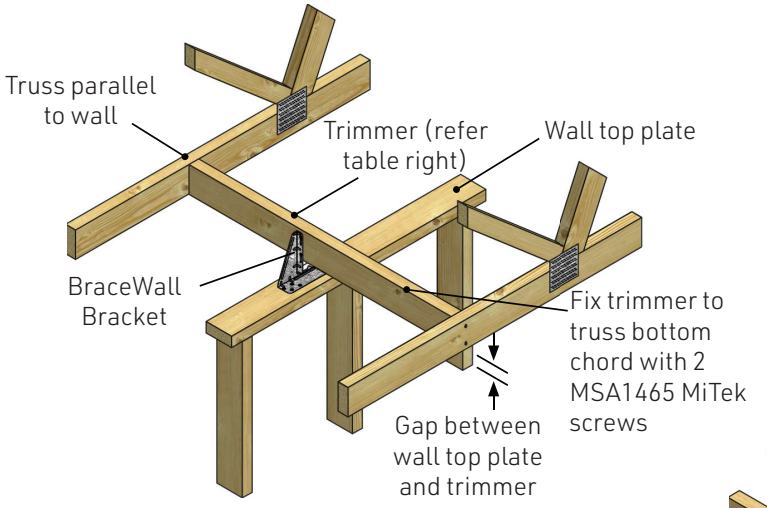
Steel	G300
Thickness (Total Coated)	1.2mm
Galvanised Coating	Z275
Nails	MiTek 30 x 2.8mm galvanised reinforced head.
Product Code	BWB35

REQUIREMENTS

Bracing Length (m)	**Number of BraceWall Brackets required according to wall bracing capacity (kN/m)**								
	1.5 kN/m	**2.1 kN/m**	**3.0 kN/m**	**3.4 kN/m**	**5.3 kN/m**	**6.0 kN/m**	**6.4 kN/m**	**7.5 kN/m**	**9.0 kN/m**
0.6	NA	NA	NA	1	NA	1	NA	NA	NA
0.9	NA	1	1	1	2	2	2	2	3
1.2	NA	1	1	2	2	2	3	3	3
1.5	NA	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
AS1684 Table 8.18	Type (b)	Type (e)	Type (e)	Type (g)	Type (k)	Type (h)	Type (h)	Type (i)	Type (i)
Description	Cross tensioned metal straps	Diagonal timber wall lining/ cladding 60mm nail crs	Cross tensioned metal straps with StudStraps	Plywood 150mm nail crs	Decorative plywood 200mm nail crs with glue & anchor bolts	Plywood Method B 50mm nail crs & anchor bolts	Plywood Method A 150mm nail crs threaded rods & anchor bolts	4.5mm F11 Plywood 50mm nail crs threaded rods & anchor bolts	7mm F11 Plywood 50mm nail crs threaded rods & anchor bolts
Illustration									
AS1684 Table 8.18	Type (c)	Type (j)	Type (e)	Type (l)		Type (m)			Type (m)
Description	Timber/ metal angle braces with StudStraps	Decorative plywood 100mm nail crs	Diagonal timber wall lining/ cladding 40mm nail crs	Hardboard Type A fixing 80mm nail crs		Hardboard Type B fixing 40mm nail crs & anchor bolts			Hardboard Type C fixing 40mm nail crs & threaded rods
Illustration									
AS1684 Table 8.18				Type (n)		Type (n)			
Description				Short wall Hardboard Type D fixing 80mm nail crs & coach screws		Short wall Hardboard Type E fixing 40mm nail crs & threaded rods			
Illustration									

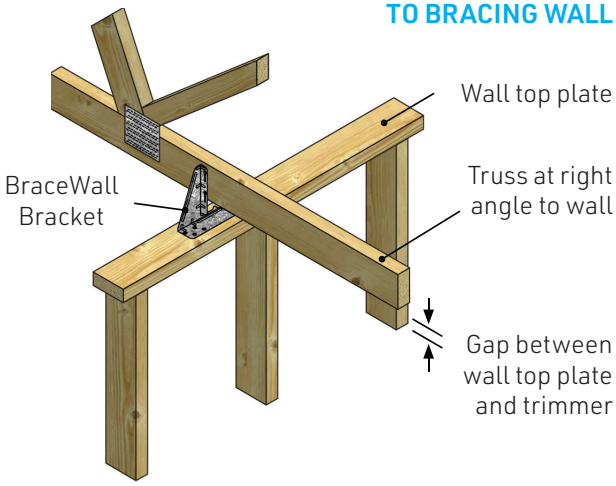
INSTALLATION

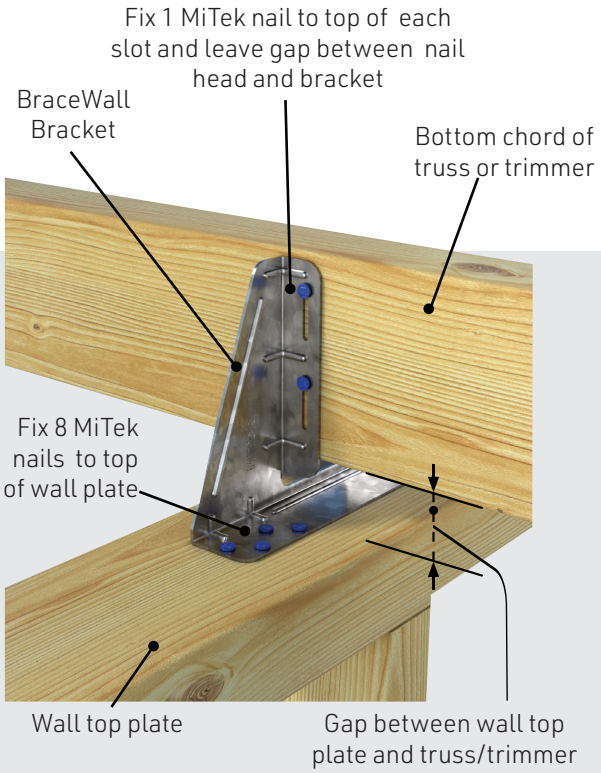
TRUSS PARALLEL TO BRACING WALL



Trimmer Selection		
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





TYPICAL FIXING OF BRACEWALL BRACKET

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.

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