

VUEBRACE STAINLESS STEEL BUILDERS STRAPPING

VUEBRACE Builders Strapping is used for cross-bracing wall panels, roof trusses and flooring members in accordance with AS1684

Application

VUEBRACE Stainless Steel Builders Strapping are typically used for cross-bracing wall panels, roof trusses and flooring members in accordance with AS1684.

Specification

VUEBRACE Stainless Steel Builders Strappings are manufactured using SS316 stainless steel.

Fasteners

Use only 30 x 2.8mm VUETRADE SS316 connector plate nails.

Product Sizes

Table 1: VUEBRACE Builders Strapping Dimensions

Code	Size (mm)	Roll Length (m)
VB30815SS	30 x 0.8	15
VB30830SS	30 x 0.8	30
VB30115SS	30 x 1.0	15
VB30130SS	30 x 1.0	30



Design Capacity Data

Table 2: Design Capacity Table for SS316

Brace Dimensions (Width x Thickness)	Max Tension (kN)
30mm x 1.0mm	11.7
30mm x 0.8mm	9.4

Note: Design capacities in Table 2 is obtained under test conditions.

NOTE: All VUETRADE™ products are compliant with the requirements of AS1684. Please consult structural engineer to ensure a correct brace is used

VUEBRACE BUILDERS STRAPPING

Metal Straps – Tensioned – With Stud Straps (Racking Capacity of 3.0kN/m), Table 8.18(d) from AS 1684

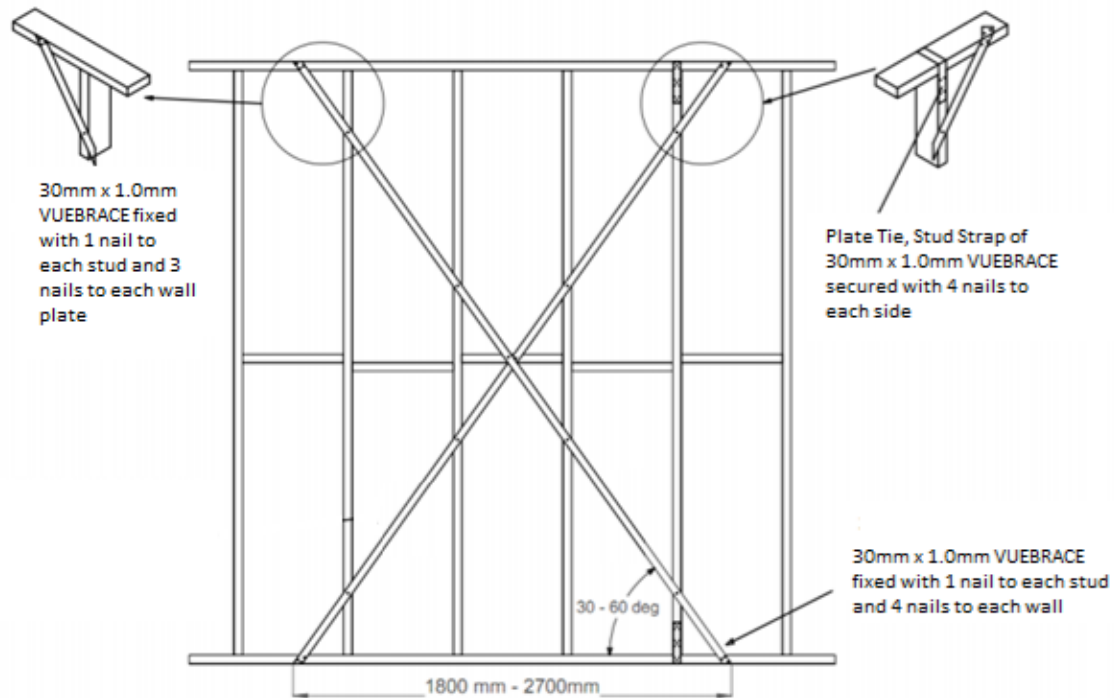


Table 3: Bracing capacity (kN) required to achieve racking capacity of 3.0kN/m

Wall height (m)	Bracing Length (m)									
	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
2.7	5.4	5.7	6.0	6.3	6.6	6.9	7.2	7.5	7.8	8.1
3.0	4.9	5.1	5.4	5.7	5.9	6.2	6.5	6.8	7.0	7.3
3.3	4.3	4.6	4.8	5.0	5.3	5.5	5.8	6.0	6.2	6.5

Note:

- The values in Table 3 are valid for the wall heights stated. For wall heights greater than 2.7m, the capacity should be multiplied by a value the following table;

BRACING WALL CAPACITY/HEIGHT MULTIPLIER	
Wall Height, mm	Multiplier
3 000	0.90
3 300	0.80
3 600	0.75
3 900	0.70
4 200	0.64

- Bracing capacities are only valid and limited to wall width that are 1800mm to 2700mm.
- Do not use VUESMART Brace Tensioners to tension VUEBRACE Stainless Steel Builders Strapping as it will cause bimetallic corrosion.

NOTE: All VUETRADE™ products are compliant with the requirements of AS1684. Please consult structural engineer to ensure a correct brace is used

VUEBRACE BUILDERS STRAPPING

Metal Straps – Tensioned (Racking Capacity of 1.5kN/m), Table 8.18 (b) from AS 1684

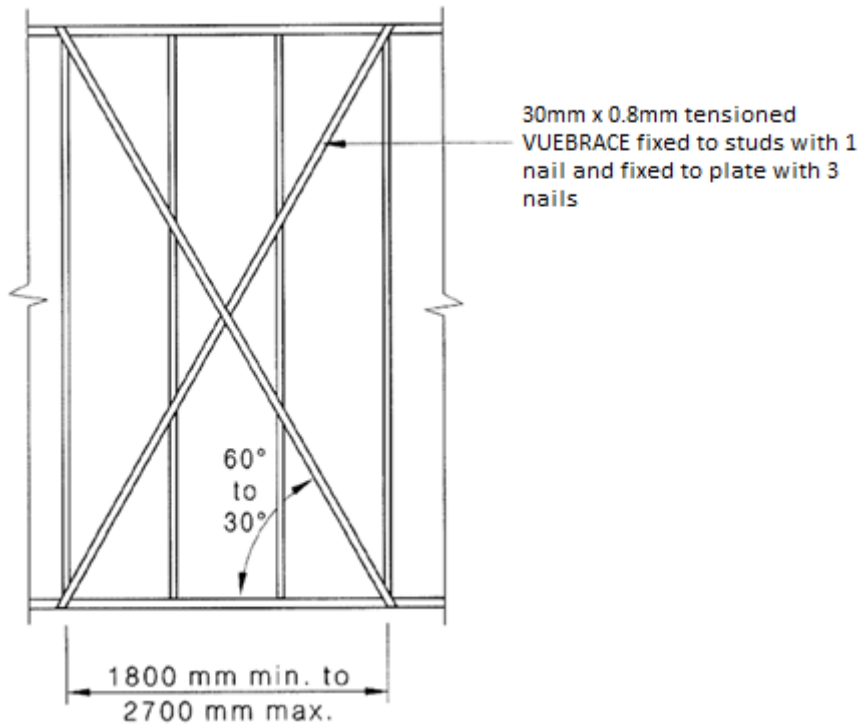


Table 4: Bracing capacity (kN) required to achieve racking capacity of 1.5kN/m

Wall height (m)	Bracing Length (m)									
	1.8	1.9	2.0	2.1	2.2	2.3	2.4	2.5	2.6	2.7
2.7	2.7	2.9	3.0	3.2	3.3	3.5	3.6	3.8	3.9	4.1
3.0	2.4	2.6	2.7	2.8	3.0	3.1	3.2	3.4	3.5	3.6
3.3	2.2	2.3	2.4	2.5	2.6	2.8	2.9	3.0	3.1	3.2

Note:

- The values in Table 4 are valid for the wall heights stated. For wall heights greater than 2.7m, the capacity should be multiplied by a value the following table;

BRACING WALL CAPACITY/HEIGHT MULTIPLIER	
Wall Height, mm	Multiplier
3 000	0.90
3 300	0.80
3 600	0.75
3 900	0.70
4 200	0.64

- Bracing capacities are only valid when limited to wall widths of 1800mm to 2700mm.
- Do not use VUESMART Brace Tensioners to tension VUEBRACE Stainless Steel Builders Strapping as it will cause bimetallic corrosion.

NOTE: All VUETRADE™ products are compliant with the requirements of AS1684. Please consult structural engineer to ensure a correct brace is used