

LEGEND

refer to: **Producer Statement, VB2000,**
for bracing element & fixing details.

VS6		SUPERFICIAL BRACING ELEMENT 12 or 18 metre wide, full height Superficial bracing panel.
VT6		CROSSED STRIP BRACE crossed strip-brace of approx. 45°, with fasteners
VF6		DOUBLE FLEXI-BRACE 1/2 full height double-panel, 1 m full height double panel

Client : naughton

Order No:

Size : 9000 x 6000mm

Windzone: High

Roof Pitch: 15 Deg

STEP 1a: BRACING DEMAND FOR WIND DIRECTION.
ALONG = (RIDGE LINE)

WALL WIDTH	LOW	MED	HIGH	V.HIGH
3000	70	92	132	170
3600	84	110	159	204
4200	98	129	185	238
4800	112	147	212	272
5400	126	165	238	306
6000	140	184	265	340
6600	154	202	291	374
7200	168	220	318	408
7800	183	239	344	442
8400	197	257	370	476
9000	211	275	397	510

WALL B.U.'S REQ'D: 0
WRITE IN BOX: A
WRITE FIGURE HERE: 265
WALL B.U.'S REQ'D: 265
WRITE IN BOX: B
CIRCLE SELECTED

The NZ Building Act/Regulations and the provisions of the NZ Building Code must be followed in the issue to any incorporation in the consent documents.

STEP 4a: BRACING DEMAND FOR WIND DIRECTION.
ACROSS = (GABLE END)

WALL WIDTH	LOW	MED	HIGH	V.HIGH
3000	24	32	47	59
3600	29	39	57	71
4200	34	45	66	83
4800	39	52	76	95
5400	44	58	85	107
6000	49	65	95	119
6600	53	71	104	131
7200	58	78	113	143
7800	63	84	123	154
8400	68	91	132	166
9000	73	97	142	178
9600	78	104	151	190
10200	83	110	161	202
10800	87	117	170	214
11400	92	123	180	226
12000	97	130	189	238

WALL B.U.'S REQ'D: 142
WRITE IN BOX: C
WRITE FIGURE HERE: 142
WALL B.U.'S REQ'D: 142
WRITE IN BOX: D
CIRCLE SELECTED

600 SERIES BRACING V2.0

BRACE RATINGS

- **External Walls:** Flexi-Brace is the only secondary brace that can be used on its own without the combination of the cladding. In this case reduce the Flexi-Brace ratings to 80% eg. a VF5 would be rated @ 64 BU's

- Internal Walls:

A. Where internal walls are lined one side with plasterboard and combined with Flexi-Brace use the following values:

VF5 + plasterboard (1200mm) = 139BU's

VF7 + plasterboard (600mm) = 50BU's

B. Where internal walls are lined with sheet material other than plasterboard, ie customwood or plywood use the secondary brace ratings as quoted only to achieve the total BU's required.

STEP 2a: CLADDING: PRIMARY BRACING

CODE	RATING	QUANTITY	TOTAL
VS6-12	45	0	0
VS6-18	68	0	0

CLADDING ACHIEVED: 0
BOX: A
TOTAL BU'S REQ'D: 0
from step 2 or 2a
HARDWARE REQ'D: 0
HARDWARE ACHIEVED: 0
TOTAL BU'S ACHIEVED: 0

STEP 2b: CLADDING: PRIMARY BRACING

CODE	RATING	QUANTITY	TOTAL
VS6-12	45	0	0
VS6-18	68	3	204

CLADDING ACHIEVED: 204
BOX: B
TOTAL BU'S REQ'D: 265
from step 2 or 2a
HARDWARE REQ'D: 61
HARDWARE ACHIEVED: 81
TOTAL BU'S ACHIEVED: 285

STEP 3a: CLADDING: PRIMARY BRACING

CODE	RATING	QUANTITY	TOTAL
VS6-12	45	0	0
VS6-18	68	4	272

CLADDING ACHIEVED: 272
BOX: C
TOTAL BU'S REQ'D: 142
from step 3 or 3a
HARDWARE REQ'D: 0
HARDWARE ACHIEVED: 0
TOTAL BU'S ACHIEVED: 272

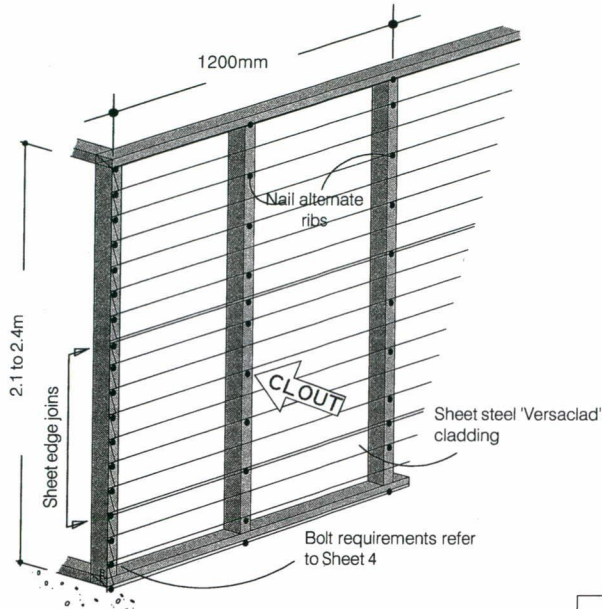
STEP 4a: CLADDING: PRIMARY BRACING

CODE	RATING	QUANTITY	TOTAL
VS6-12	45	0	0
VS6-18	68	0	0

CLADDING ACHIEVED: 0
BOX: D
TOTAL BU'S REQ'D: 142
from step 4 or 4a
HARDWARE REQ'D: 142
HARDWARE ACHIEVED: 160
TOTAL BU'S ACHIEVED: 160

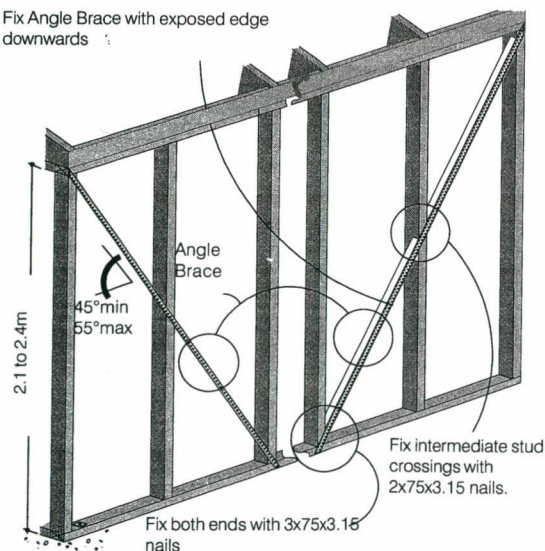
WALL VB2000 600 SERIES

BRACING ELEMENT	VV6
Bracing units (BU's) per/1200mm	60
per/1800mm	90



BRACING ELEMENT	VA6
Wind Total BU's	70

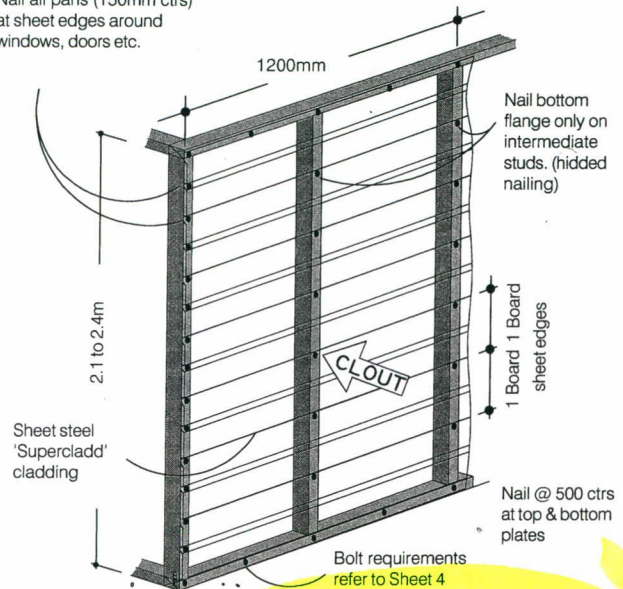
Fix Angle Brace with exposed edge downwards



Description: Pair of Angle Brace @ approx 45°

BRACING ELEMENT	VS6
Bracing units (BU's) per/1200mm	45
per/1800mm	68

Nail all pans (150mm ctrs) at sheet edges around windows, doors etc.



BRACING ELEMENT	VT6
Wind Total BU's	100

11/30x3.15 dia nails min on Multi brace
5/30x3.15 dia nails min on Strip brace

Option 1

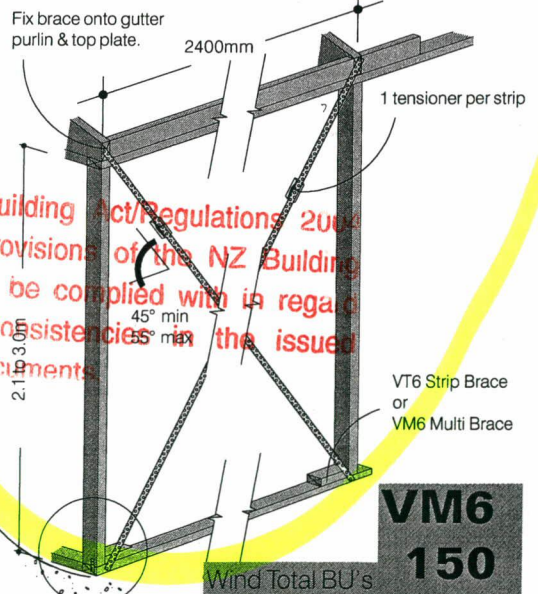
11/30x3.15 dia nails min on Multi brace
5/30x3.15 dia nails min on Strip brace
5x70mm Nails

Option 2

11/30x3.15 dia nails min on Multi brace
5/30x3.15 dia nails min on Strip brace
5x70mm Nails

Option 3

Fix brace onto gutter purlin & top plate.



BRACING ELEMENT	VM6
Wind Total BU's	150

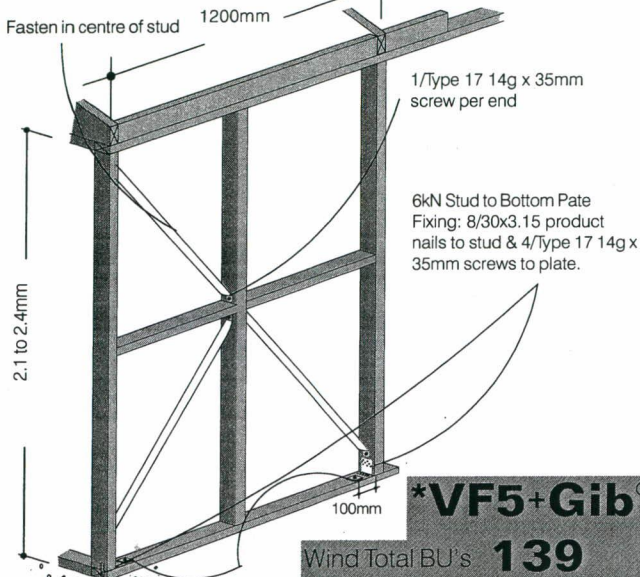
Description: Crossed tensioned Multi / Strip Brace @ approx 45°

WALL VB2000 600 SERIES

BRACING ELEMENT VF5

Wind Total BU's **80**

LUMBERLOK® FLEXIBRACE (Patent App. No 504428)

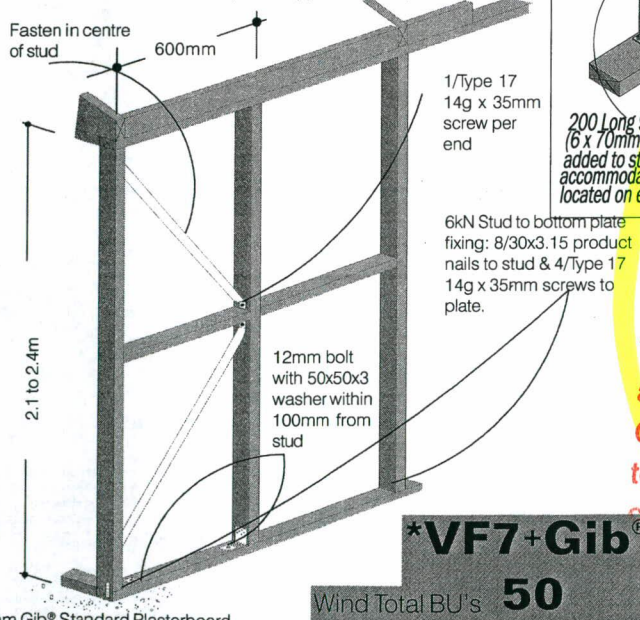


12mm bolt with 50x50x3 washer within 100mm from stud

BRACING ELEMENT VF7

Wind Total BU's **30**

LUMBERLOK® FLEXIBRACE (Patent App. No 504428)

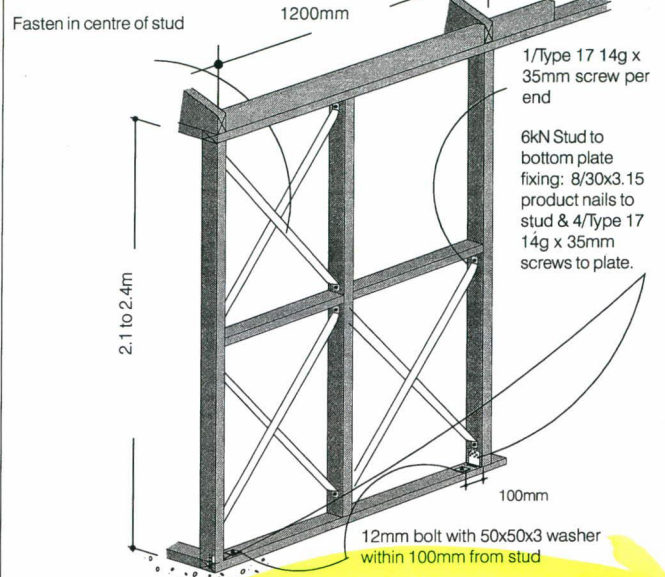


* 10mm Gib® Standard Plasterboard.
Refer to Winstone Technical manual for correct fixing details.

BRACING ELEMENT VF6

Wind Total BU's **105**

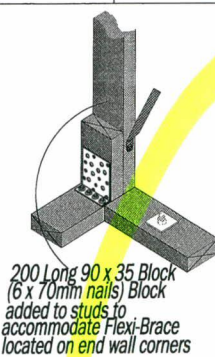
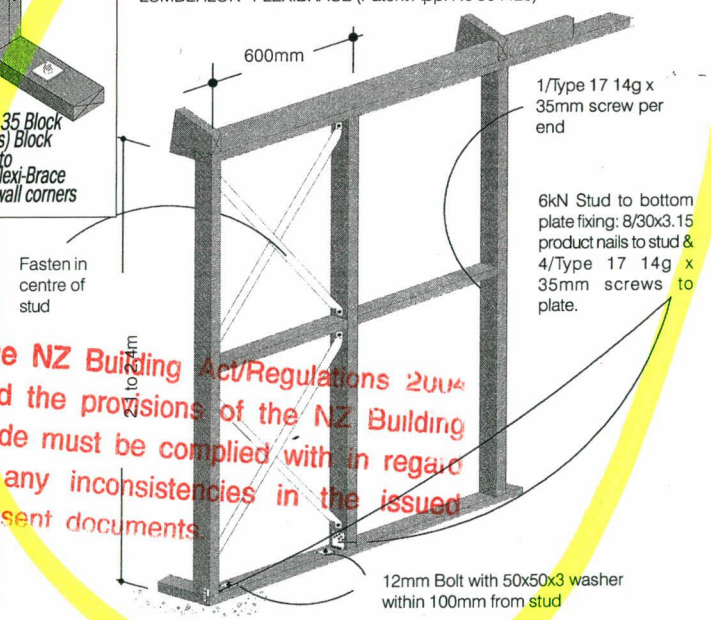
LUMBERLOK® FLEXIBRACE (Patent App. No 504428)



BRACING ELEMENT VF8

Wind Total BU's **60**

LUMBERLOK® FLEXIBRACE (Patent App. No 504428)



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