



ASSOCIATION OF CONSULTING
ENGINEERS AUSTRALIA
MEMBER



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Ref: 58866-C1F

11 July, 2008

Proposed Framing System
“Gripstrip Truss And Frame Connectors”
Models 70GS 450, 70GS 600, 90GS 450 and 90GS 600

This is to certify that we have checked the design of the above system shown on the attached details 58866-1.

We are satisfied that the bracket is structurally adequate and suitable for fixing of standard roof members (*trusses, beams or rafters*) to the wall top plate and for fixing wall studs to bottom plate for wind conditions in accordance with AS/NZS 1170.2, AS4055, AS1684.2-2006 and AS1684.3-2006:

1. *Nails to be 32mm x 2.5mm hardened galvanised screw shank nails or better fixed to timber wall plate of Species Group JD4 grade seasoned pine or better using minimum number of nails as set out in the table below for various wind categories in accordance with AS4055-2006. Figures in brackets () apply to 32mm x 2.8mm nails.*
2. *Wall plate to be secured to wall framing, brickwork or floor slab as applicable in accordance with AS1684.2-2006 and AS1684.3-2006.*

MINIMUM NO OF NAILS TO BOTH WALL FRAME AND ROOF MEMBER									
WIND WIDTH (Roof Span)	Member Spacing mm	WIND CATEGORY							
		N1		N2		N3		N4	
		Tile	Sheet	Tile	Sheet	Tile	Sheet	Tile	Sheet
3m (6m)	450	N	2	N	2	3	4 (3)	4 (3)	5 (4)
	600	N	2	N	3 (2)	3 (2)	4 (3)	6 (4)	7 (5)
6m (12m)	450	N	3	N	4 (3)	5 (4)	7 (5)	9 (6)	10 (8)
	600	N	2	N	5 (3)	6 (4)	8 (6)	11 (9)	14 (11)
7.5m (15m)	450	N	3 (2)	N	5 (3)	6 (4)	8 (6)	10 (8)	13 (10)
	600	N	4 (3)	N	6 (5)	8 (6)	11 (9)	14 (11)	N/A
N = Nominal (say 2 or more nails)									

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MINIMUM NO OF NAILS TO BOTH WALL FRAME AND ROOF MEMBER					
WIND WIDTH (Roof Span)	Member Spacing mm	WIND CATEGORY			
		C1		C2	
		Tile	Sheet	Tile	Sheet
3m (6m)	450	4 (3)	5 (4)	7 (5)	8 (6)
	600	6 (4)	7 (5)	9 (7)	11 (9)
6m (12m)	450	8 (6)	10 (8)	14 (10)	N/A (14)
	600	11 (9)	14 (10)	N/A (14)	N/A
7.5m (15m)	450	9 (8)	13 (9)	N/A (14)	N/A
	600	14 (11)	N/A (14)	N/A	N/A

for BRUCE N JAMIESON
RPEQ4989 NPER 375195
KNEEBONE & BERETTA
Consulting Engineers Pty Ltd