



SHS POST SIZES
 SP1: 75x5mm
 SP2: 89x5mm
 SP3: 125x6mm
 Refer to Engineers to all steel fixing details
 All structural steel zinc spray finish.

TRUSS LEGEND
 TR - RAFTER TRUSS
 OR - OUTRIGGER

NOTE:		Fixing types of roof trusses at supports	
The roof and trusses to be designed by an approved truss manufacturer for VERY HIGH wind zone with confirmation of types shown and details provided to the builder before manufacturing. Purlins at crts to manufacturers specifications on trusses by Gangnail NZ & Ratters to NZS 3604 1999 (Amendments May 2006) All selected materials and components to be fixed in accordance with manufacturers specifications		Light Roof	VH Wind zone
		Truss / Rafter spacing	900x 1200/c/c
Loaded dimension of support		Fixing type	Fixing type - Fixing capacity (kN)
3.0		C	A - 0.7 kN / 2/100x3.75 skewed nails
3.5		C	B - 2.7 kN / 2/100x3.75 skewed nails + 1 wire dog
4.0		C	C - 4.7 kN / 2/100x3.75 skewed nails + 2 wire dog
4.5		C	D - 6.7 kN / 2/100x3.75 skewed nails + 3 wire dog
5.0		D	E - 8.7 kN / 2/100x3.75 skewed nails + 4 wire dog
5.5		D	F - 16 kN / 2/100x3.75 skewed nails + L-strap of 27mm x 1.2mm 10/30 x 3.15 nails at each end
6.0		D	See also Bowmac and Pryda range for alternative same KN fixings.

Max span for listed below. All timber to be MSG8 (unless otherwise stated).		KEY: R=roof; * W=walls; F=floors	
Lintel Type	Opening Size	Lintel Size	R / W / F / R
Lintel A	600	800	2/140X45
Lintel B	900	1100	2/140X45
Lintel C	960	1140	2/140X45
Lintel D	2000	2400	2/240X45
Lintel E	3000	3200	2/240X45 (MSG8)
Lintel F	600	800	90X90
Lintel G	960	1140	90X90
Lintel H	1985	2145	2/190X90
Lintel J	2200	2400	2/190X90
Steel members		All structural steel with zinc spray finish. REFER TO SPEC 6700.	
Gable ends		Steel	125x6 SHS
SP1		75x5 SHS	
SP2		89x5 SHS	
SP3		125x6 SHS	

GENERAL NOTES FOR MATERIALS SELECTION

FLASHINGS

Flashing materials must be selected based on environmental exposure, refer to NZS 3604 & Table 20 of NZBC E2/AS1.

Building wrap must comply with acceptable solution E2/AS1 & NZS 3604.

Flashing tape must have proven compatibility with the selected building wrap & other materials with which it comes into contact as per Table 21 of E2/AS1.

ROOF FRAMING

Roof framing and nailing schedule as per Table 10.5 of NZS3604.

Roof bracing to be fixed in accordance with Section 10.4 Fig 10.26 & Table 10.4.3.2 of NZS3604

LINTELS

All timber framing to be H1.2 treated and MSG-8 unless otherwise stated

TRUSSES

Solid nogging between outriggers & nail fix LUMBERLOK multibrace strap full length.

Solid nogging between trusses & nail fixed LUMBERLOK multibrace strap full length of roof bracing. LUMBERLOK multibrace cross bracing to Trusses to have tensioners to manufacturers specifications.

FIXING OF ROOF MEMBERS TO TOP PLATES.

Typical fixing of roof members to top plate shall be Type 'D' as per Section 8 / table 8.18 (2/100x3.75 skewed nails + 3 wire dogs)