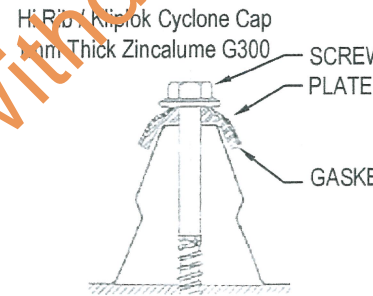
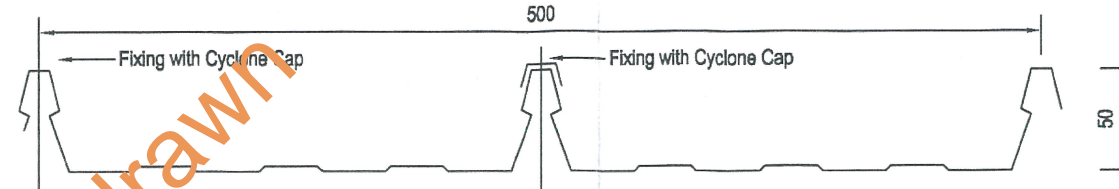


STEELINE STEEL RIB ROOF SHEETING

MAX. ALLOWABLE ROOF SHEETING SPANS FOR IMPORTANCE LEVEL 2 BUILDINGS

Building Height	Terrain Category	Vsit,β (m/s)	qu (KPa)	KL Local Factor	Pe (KPa)	0.42mm Sheeting	0.48mm Sheeting	0.60mm Sheeting	
Up to 5m	1 & 2 Mzcat=0.95	66	2.61	1.0	4.18	1200	1300	1450	
				1.5	5.36	1050	1150	1300	
				2.0	6.53	950	1050	1050	
	2.5 Mzcat=0.88	61	2.23	1.0	3.57	1300	1400	1500	
				1.5	4.75	1140	1250	1400	
				2.0	5.93	1030	1150	1240	
	3 & 4 Mzcat=0.80	56	1.88	1.0	3.01	1400	1550	1700	
				1.5	3.86	1250	1350	1500	
				2.0	4.70	1100	1250	1380	
	3 & 4 Mzcat=0.80 Partial Shielding	50	1.50	1.0	2.40	1550	1750	1900	
				1.5	3.08	1400	1550	1700	
				2.0	3.75	1250	1400	1550	
Up to 10m	1 & 2 Mzcat=1.00	69	2.86	1.0	4.57	1140	1250	1400	
				1.5	5.86	1000	1120	1180	
				2.0	7.14	900	970	970	
	2.5 Mzcat=0.95	66	2.61	1.0	4.18	1200	1300	1450	
				1.5	5.36	1050	1150	1300	
				2.0	6.53	950	1060	1050	
	3 & 4 Mzcat=0.89	62	2.31	1.0	3.69	1250	1400	1550	
				1.5	4.73	1120	1250	1350	
				2.0	5.77	1020	1100	1200	
	Up to 15m	1 & 2 Mzcat=1.07	73	3.20	1.0	5.12	1080	1200	1320
					1.5	6.55	950	1050	1060
					2.0	7.99	860	870	870
2.5 Mzcat=1.01		69	2.86	1.0	4.57	1140	1250	1400	
				1.5	5.86	1000	1120	1180	
				2.0	7.14	900	970	970	
3 & 4 Mzcat=0.95		66	2.61	1.0	4.18	1200	1300	1450	
				1.5	5.36	1050	1150	1300	
				2.0	6.53	950	1060	1050	
					3.0	8.89	780	780	780



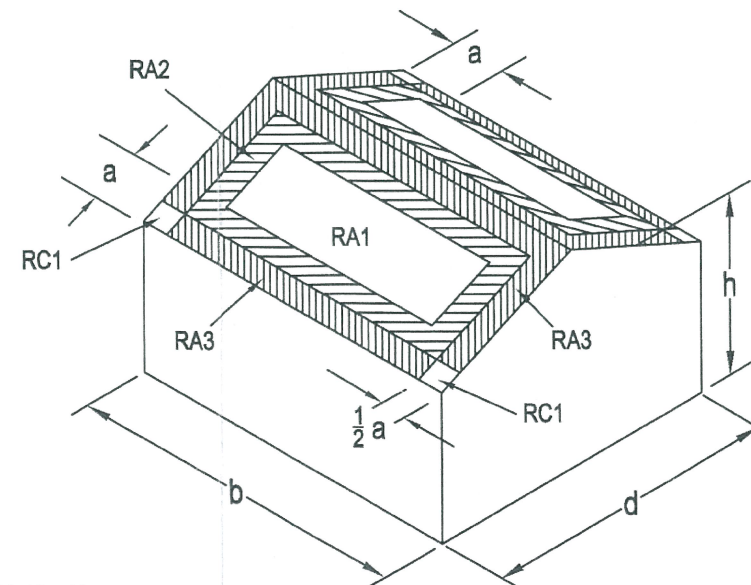
MATERIAL SPECIFICATION

METAL TYPE	THICKNESS	GRADE	FINISH	COVER
AS1397-1984	0.42mm BMT	550 MPa	ZINCALUME, REPAINTED, COATED	500mm + - 4
G550 / AZ150	0.48mm BMT	550 MPa		
	0.60mm BMT			

MINIMUM FIXING REQUIREMENTS

Fixing	No. of Fixing	Cyclone Cap	Purlin
14-10 x 75 Tek Screw	2	Hi Rib	Steel 1.5mm

Note : - All fixings shall have Class 4 protection finish



RA1 - KL = 1.0
 RA2 - KL = 1.5
 RA3 - KL = 2.0
 RC1 - KL = 3.0 for Roof pitch < 10°
 RC1 - KL = 2.0 for 10° and greater

ROOF - LOCAL PRESSURE ZONES
 NOTE - "a" = THE LESSOR OF 0.2b, 0.2d & h

Product Name

Steeline Steel Rib Roof Sheeting

Product Description

Steel Rib Screw Fixed Roof Sheeting

Manufacturer's Name

GENERAL ROOFING PRODUCTS PTY LTD
 24 Pruen Road, Berrimah, NT, 0828

DESIGN CRITERIA

Wind speeds, pressures etc, have been determined in accordance with AS1170.2-2011, SAA Loading Code, Part 2:Wind Loads, Shielding - No shielding UNO
 Topography - Flat Mt = 1.0
 Importance level - 2 - Annual probability of exceedance 1:500
 Basic Regional Wind Velocity V_R = 69m/sec (R=500)
 Internal Pressure Coefficient C_{pi} = +0.7
 C_{pe} = 0.9 for h/d ratios < 0.5
 P_e = q_u x (C_{pe} x K_L + C_{pi})
 "a" = Minimum of 0.2*d or 0.2*b or h

Limitations

Pitch limitation is subject to drainage requirements and shall be checked separately.
 For pitch < 10° - note RC1 local zone in roof corners.
 Limited to h/d not greater than 0.5 in table spacings.
 Mt = Ms = Md = 1.0
 Span tables are suitable for single spans, end spans and mid spans.
 Maximum overhang - 150mm
 Minimum purlin steel thickness for fixing - 1.5mm G450
 For h/d>0.5 where C_{pe} > 0.9 refer to site specific engineer certification with adjusted P_e calculation.
 Installation assumes conventional edge flashing is installed over unlappped edges of sheeting.

Accepted for Inclusion

DTCM ref: M/151/01

Chairman's Signature:

Chairman's Name:

PETER RUSSELL

Date of Approval: 7/9/12

Expiry Date: 7/9/15

Notes

Test Report - The above specification is based on LHL testing Report No C081001-18 by ENGTEST And Test Report No 107 by Blanmore Noosaville

ISSUE	DATE	INITIALS	**Design Engineers Certification	**Certifying Engineers Certification
H	25.07.2012	JLT	Name: Phil Low	Name: John L Towler
G	20.09.2011	JLT	RPEQ No: 6307	NT Rego Number: 24642ES
F	20.05.2011	JME	Date: 25 July 2012	Date: 25 July 2012
E	17.08.2009	KRB	Signature: [Signature]	Signature: [Signature]
D	05.06.2009	KRB		

**registered as a structural engineer in Queensland **registered as a structural engineer in Northern Territory

New Expiry: 7/9/17
 Signature: [Signature]