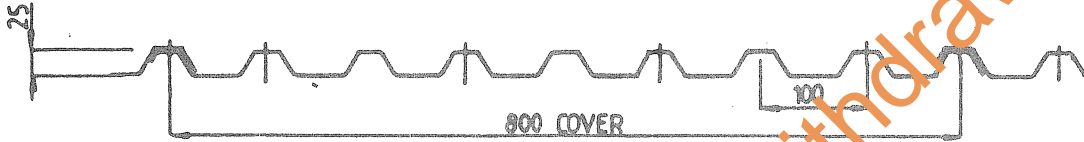
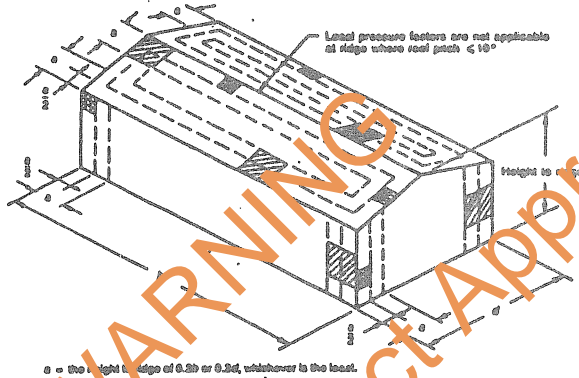


ALLOWABLE ROOF SPANS FOR 0.42mm WOODROFFES Hi-Span 800 ROOF SHEETING FIXED WITH CYCLONE WASHERS.



LOCAL PRESSURE FACTORS

Case	Area	K_1
1	Any area of extent $a \times a$ within a distance a from roof edge, ridge involving a roof pitch of more than 10 degrees, or wall edge	1.5
2	Any area of extent $0.5a \times 0.5a$ within a distance $0.5a$ from roof edge, ridge involving a roof pitch of more than 10 degrees, or wall edge	2.0



LOCAL PRESSURE ZONES

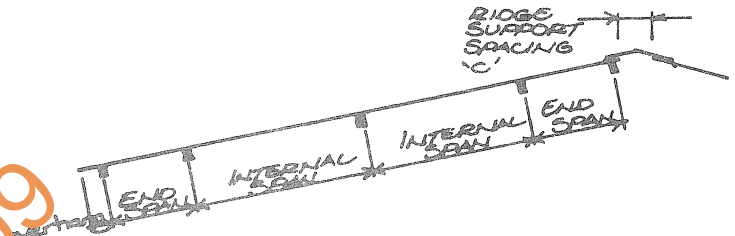


TABLE 1. Max. Allowable Spans for Buildings of up to 5m in height.

Terrain Category Multiplier	Roof Area Notation	Design wind (kPa) Pressure	Max. End Span (mm)	Max. internal Span	Overhang		Ridge Purlin Spacing	Side Lap Fastener
					Max.	Min.		
Cat. 1 1.02	General	4.24	995	1220	Unsupported - 250 mm	Edge distance 50 mm for all fixing conditions.	300 mm for all conditions.	Side lap fasteners required at centre span for spans exceeding 900 mm. Screw Specification : Slotted pan head size Tapping or Hexagon head "S" point No. B x 12 mm with neoprene washers.
	Case 1	5.37	760	930				
	Case 2	6.49	545	670				
Cat. 2 0.93	General	3.53	1140	1400				
	Case 1	4.46	955	1170				
	Case 2	5.40	760	930				
Cat. 2 1/2 0.79	General	2.55	1340	1640				
	Case 1	3.22	1200	1470				
	Case 2	3.89	1070	1310				

- NOTES : 1. HI-SPAN is a cold formed roof decking manufactured from G550 steel sheeting base metal thickness 0.42 mm, total cated thickness 0.47 mm.
2. Refer to APPENDIX A for details of cyclone washer and other fixings.
3. Refer to APPENDIX B (attached) for wind load calculations.
4. Maximum allowable spans derived with attached graph obtained from load test. Refer APPENDIX C.
5. Table 1 is based on cyclic testing carried out in accordance with Darwin Area Building Manual - Part 39.7

MANUF'S. - WOODROFFE SHEETMETAL Pty. Ltd. NAME ADDRESS 1 TAMINGA STREET REGENCY PARK S.A. 5007 PHONE No. (08) 243 1144	FIXING OF: WOODROFFE "Hi-Span 800" for Buildings up to 5m in height. IN THE DARWIN AREA.	
	DESIGN DATA SHEET	
CERTIFIED <i>Willu</i> DATE 14/6/87	DEPARTMENT OF LANDS AND HOUSING APP'D. <i>J. Wansley</i> DATE 6/87	DRAWING No. M/113/23