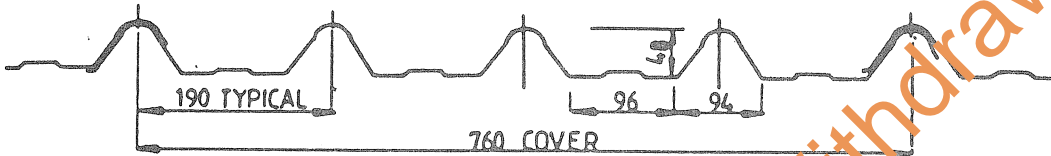
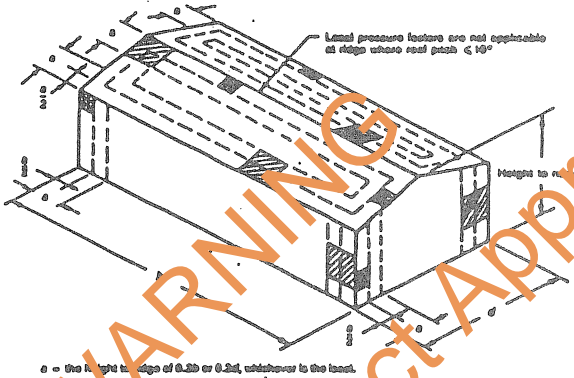


ALLOWABLE ROOF SPANS FOR 0.42mm WOODROFFES Hi-Rib ROOF SHEETING FIXED WITH CYCLONE WASHERS.



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

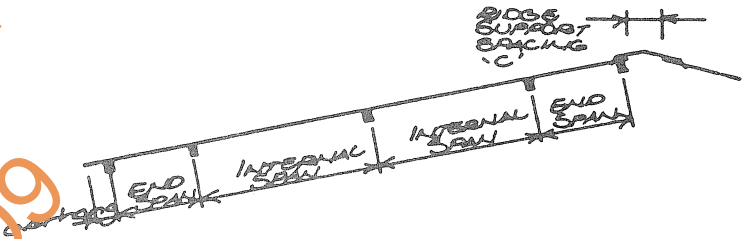


TABLE 2. (Max. Allowable Spans for Buildings of 5-10m in height)

Terrain Category Multiplier	Roof Area Notation	Design wind (kPa) Pressure	Max. End (mm) Span	Max. Internal Span	Overhang		Ridge Purlin Spacing	Side Lap Fastener
					Max.	Min.		
Cat. 1 1.02	General	4.85	950	1180	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. 6 x 12 mm with neoprene washers.
	Case 1	6.13	670	820				
	Case 2	7.41	-	-				
Cat. 2 0.93	General	4.08	1135	1390				
	Case 1	5.16	890	1090				
	Case 2	6.24	650	800				
Cat. 2 1/2 0.79	General	2.94	1395	1710				
	Case 1	3.72	1215	1490				
	Case 2	4.50	1045	1280				

- NOTES : 1. HI-RIB is a cold formed roof decking manufactured from G550 steel sheeting base metal thickness 0.42 mm, total coated 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 2 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-Rib" for Buildings 5m - 10m in height. IN THE DARWIN AREA.	
	DESIGN DATA SHEET	
CERTIFIED DATE	DEPARTMENT OF LANDS AND HOUSING APP'D. <i>E. Davey</i>	DRAWING No. M/113/11 DATE 6/87