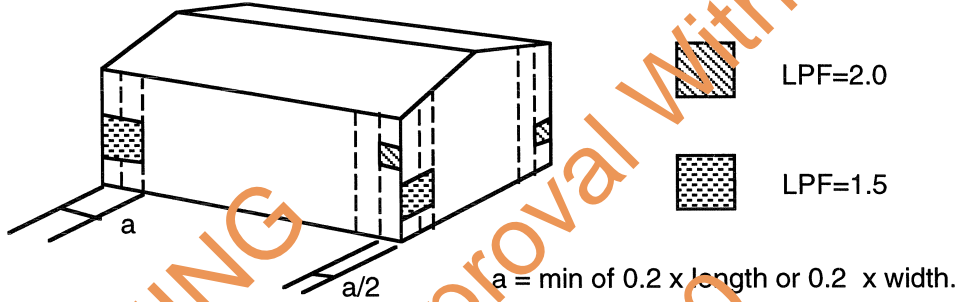
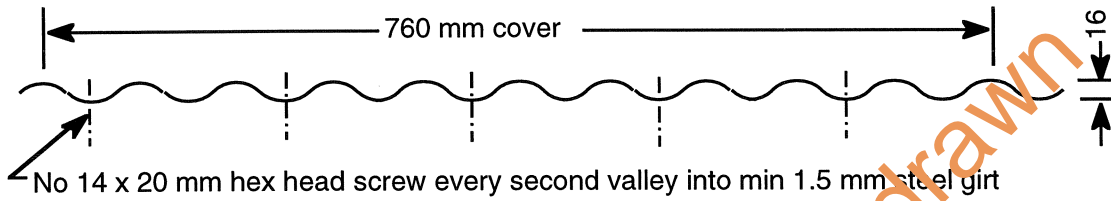


*[Signature]* 22/12/98

## ALLOWABLE SPANS FOR 0.42 mm BMT CORRUGATED WALL CLADDING



**Table 1 Maximum Allowable Spans (mm)**

Terrain Category	Int. Pressure Coeff.	Exposure Pressure Factor	Design Pressure (kPa)	Maximum Spans (mm)	
				end	internal
2.5	0.0	1.0	1.1	1800	2200
		1.5	1.7	1670	2040
		2.0	2.3	1460	1780
2.5	+0.7	1.0	2.4	1420	1730
		1.5	2.9	1120	1340
		2.0	3.5	760	930
1 & 2	0.0	1.0	1.3	1780	2170
		1.5	1.9	1610	1960
		2.0	2.5	1370	1670
1 & 2	+0.7	1.0	2.6	1330	1620
		1.5	3.3	870	1060
		2.0	3.9	690	840

- Notes:
- 1 For 0.42 mm base metal thickness, G 550 wall cladding fixed every second valley.
  - 2 Design parameters: For walls 5m to 10m high.  $V_p = 57\text{m/s}$ , Terrain category 2.5,  $M_z, \text{cat} = 0.95$ , Terrain Category 2,  $M_z, \text{cat} = 1.0$ ,  $C_{pe} = -0.65$ ,  $C_{pi} = 0.0$  or  $+0.7$ .
  - 3 For intermediate values of span, linear interpolation between like parameters is permitted.
  - 4 Designers must not use this cladding to provide bracing.

**Table 2 Design Wind Pressure\* (kPa)**

End Spans (mm)				Internal Spans (mm)				
600	900	1200	1800	750	900	1200	1800	2200
<b>4.8</b>	<b>3.2</b>	<b>2.8</b>	<b>1.2</b>	<b>4.6</b>	<b>3.6</b>	<b>3.1</b>	<b>2.2</b>	<b>1.2</b>

\* Design wind pressures are based on end span cyclic load tests conducted in accordance with the requirements of EBS Technical Record 440.

Stramit Industries 55 Albatross St Winnellie NT Phone (08) 8947 0780	0.42 mm BMT Corrugated Wall Cladding for walls 5m to 10m high	
	<b>DESIGN DATA SHEET</b>	
Cyclone Structural Testing Station School of Engineering, James Cook University, Townsville Qld 4811	N T Dept of Lands Planning & Environment Building Advisory Serv Branch	Dwg No.  <i>M/224/2</i>
Certified <i>[Signature]</i> MIE Aust. CP Eng. Date: <i>27-11-98</i>	Approved: <i>[Signature]</i> Date: <i>14-12-98</i>	