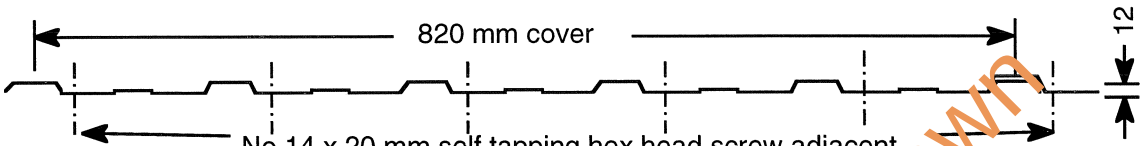
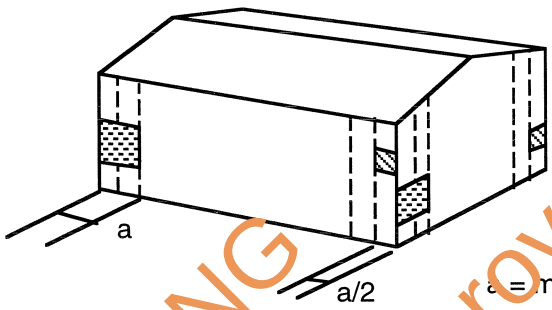
APPROVED FOR INCLUSION IN THE DEEMED TO COMPLY MANUAL DATE 16/1/98

ALLOWABLE SPANS FOR 0.42 mm BMT LO-CLAD WALL CLADDING





LPF=2.0

LPF=1.5

a = min of 0.2 x length or 0.2 x width.

Table 1 Maximum Allowable Spans (mm)

Terrain Category	Int. Pressure Coeff.	Local Pressure Factor	Design Pressure (kPa)	Maximum Spans (mm) end	Maximum Spans (mm) internal
2.5	0.0	1.0	1.0	1350	1650
		1.5	1.5	1350	1650
		2.0	2.0	1100	1340
2.5	+0.7	1.0	2.1	1070	1300
		1.5	2.6	940	1140
		2.0	3.1	870	1060
2	0.0	1.0	1.2	1350	1650
		1.5	1.7	1300	1590
		2.0	2.3	1000	1220
2	+0.7	1.0	2.4	970	1180
		1.5	3.0	900	1100
		2.0	3.6	810	990

Notes: 1 For 0.42 mm base metal thickness, G 550 wall cladding fixed adjacent to every rib.
2 Design parameters: For walls up to 6m high. Vp = 57m/s, Terrain category 2.5, Mz,cat = 0.89, Terrain Category 2, Mz,cat = 0.96, Cpe = -0.65, Cpi = 0.0 or +0.7.
3 For intermediate values of span, linear interpolation between like parameters is permitted.

Table 2 Design Wind Pressure* (kPa)

End Spans (mm)				Internal Spans (mm)			
350	600	1000	1350	350	600	1000	1350
6.0	**5.2**	**2.3**	**1.6**	**7.3**	**6.3**	**2.8**	**2.0**

* Design wind pressures are based on 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 Lo-Clad Wall Cladding for walls up to 6m high **DESIGN DATA SHEET**
Cyclone Structural Testing Station Dept of Civil & Environmental Engineering, James Cook University, Townsville Qld 4811 Certified ..... MIE Aust. CP Eng. Date: 19-9-97	N T Dept of Lands Planning & Environment Building Advisory Serv Branch Approved: ..... Date: 25.9.97
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