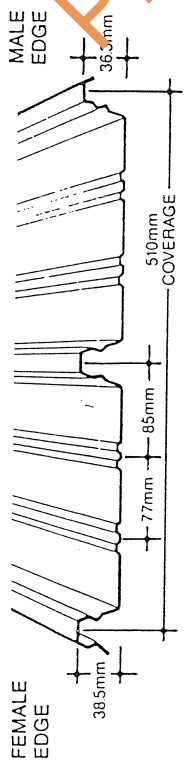


Date:	9-Mar-93
Drawn By:	P.W.
Seal:	N.T.S.
Drawing No.:	DCT-006

DEEMED TO COMPLY TABLES for

ASTRADEK 0.65 TCT CYCLONE FIX AT EVERY CREST FOR WALL & ROOF SHEETING - REGION D

ASTRADEK (CLIP FIX) Min. Roof Pitch 1° (1 in 60).



Material Specification : ASTRADEK 0.65mm TCT STEEL G550

Testing was carried out in accordance with AS4040.3 - 1992, "METHOD OF TESTING SHEET ROOF AND WALL CLADDING - Method 3: RESISTANCE TO WIND PRESSURE FOR CYCLONE REGIONS", with specific modifications in accordance with BCA - NT Specification 1.2.(3b)

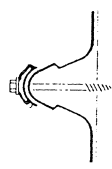
Wind Loads are determined in accordance with AS1170.2 - 1989 "S.A.A. LOADING CODE PART 2 - WIND LOADS", and the tables have been calculated for permissible stress wind speeds. The Tables below set out the three spans for each Terrain Category and allow for local pressure factor K_1 as per Section 3.4.5 of AS1170.2.

The racking strength of the Cladding should not be included in the design of a Structure.

Testing carried out using BUILDEX® (A Division of W.A.DEUTSCHER Pty. Ltd.) Screws & Washers ♦ Refer Deemed to Comply Drawing No. M/115/1 - Dated 04/02/91

RECOMMENDED FASTENERS	
Timber Supports	
Strength Group	Self-drilling Wood Screw with Cyclone Assembly
SOFTWOOD	No. 14 - 10x90mm - TYPE 17
HARDWOOD	No. 14 - 10x75mm - TYPE 17
Steel Supports	
Steel Thickness	Self-drilling & tapping Screw with Cyclone Assembly
3mm Max.	No. 14 - 10x65mm HiTek

WIND LOAD FACTORS	
Ms = 1.00	Kp = 1.00
Mt = 1.00	Ka = 1.00
Mi = 1.00	



PERMISSIBLE STRESS DESIGN WIND PRESSURE (kPa) - from test results		
SPAN (mm)	END SPAN	INTERNAL SPAN
600	9.2	10.6
900	6.2*	7.1*
1200	4.6	5.3
1500	3.4*	4.2*
1800	2.6	3.4
2100	-	2.9

(* Value interpolated from Test Results)

TESTING
Carried out by CIVILTEST
Dept. of Civil Engineering
The University of Adelaide, South Australia

999
15/3/93
71E AV. ST.

TABLES
Prepared by ACER HOSKING OBORN Pty Ltd.
Consulting Engineers, South Australia

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Table 2 REGION D					
Cpe = -0.90			Cpi = 0.80		
Height (m)	Terrain Cat.	Mz,cat	qz (kPa)	KI	pz (kPa)
6	1 & 2	0.96	2.63	1.0	4.48
				1.5	5.66
				2.0	6.84
10	3 & 4	0.82	1.91	1.0	3.25
				1.5	4.11
				2.0	4.97
10	1 & 2	1.00	2.86	1.0	4.86
				1.5	6.14
				2.0	7.43
10	3 & 4	0.89	2.26	1.0	3.85
				1.5	4.86
				2.0	5.88

Table 3 REGION D					
Cpe = -0.65			Cpi = 0.80		
Height (m)	Terrain Cat.	Mz,cat	qz (kPa)	KI	pz (kPa)
6	1 & 2	0.96	2.63	1.0	3.82
				1.5	4.67
				2.0	5.53
6	3 & 4	0.82	1.91	1.0	2.77
				1.5	3.39
				2.0	4.01
10	1 & 2	1.00	2.86	1.0	4.14
				1.5	5.11
				2.0	6.07
10	3 & 4	0.89	2.26	1.0	3.28
				1.5	4.02
				2.0	4.75



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Phone: (08) 47 5055 - Fax: (08) 47 7403 or (08) 341 1089

DESIGN DATA SHEET
DARWIN CYCLONE AREA
Date: 22/3/93
App'd: [Signature]
Drw No.: M/117/5