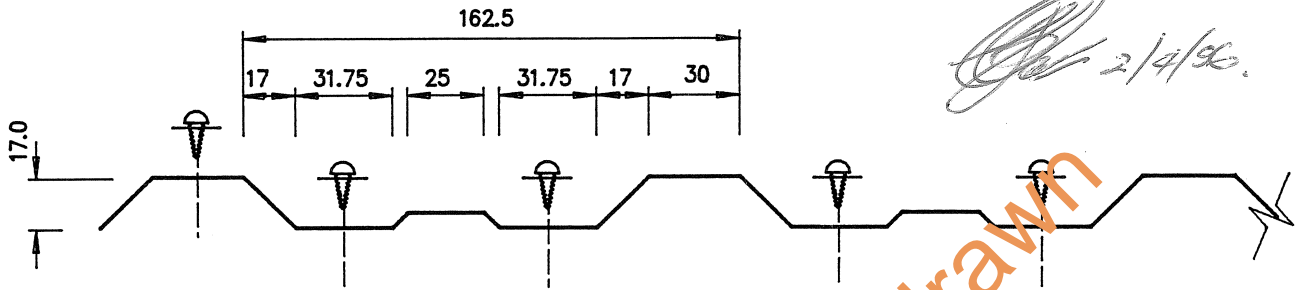


APPROVED BY THE BAC ON 2.4.96 FOR INCLUSION IN THE DTC MANUAL.



**SHEETING PROFILE FOR CLASS 10 STRUCTURES ONLY**

**MATERIAL SPECIFICATION**

0.3mm B.M.T. HIGH TENSILE GALVANIZED STEEL TO AS1397 - G550 - AZ50; 0.35mm T.C.T.

**DESIGN PARAMETERS**

TESTING WAS CARRIED OUT BY THE 'CYCLONE STRUCTURAL TESTING STATION' AT 'JAMES COOK UNIVERSITY', TOWNSVILLE. REFER REPORT NO. TS 462

WIND LOADS HAVE BEEN DETERMINED IN ACCORDANCE WITH AS1170.2 - 1989 "S.A.A. LOADING CODE PART 2 - WIND LOADS".

THE DESIGN PRESSURE WAS BASED ON TERRAIN CATEGORY 2, REGION C, GIVING A  $q_z$  OF 1.58kPa. AN INTERNAL PRESSURE COEFFICIENT OF 0.6 AND AN EXTERNAL SUCTION COEFFICIENT OF 1.1 (IN COMBINATION WITH LOCAL PRESSURE FACTOR  $K_1$  OF 1.5) WERE APPLIED.

SHEETING WAS SUBJECTED TO A FATIGUE TEST AS DESCRIBED IN THE "DARWIN AREA BUILDING MANUAL". THE TEST CONSISTED OF 10000 CYCLES OF ZERO TO DESIGN LOAD, FOLLOWED BY A STATIC OVERLOAD OF 1.8 TIMES THE DESIGN LOAD.

**RECOMMENDED FIXING**

FIX EACH PAN TO EACH SUPPORT WITH 2 No. 16mm x 10 GAUGE HEX HEAD TEK SCREWS. FIX WITH 1 No 16mm x 10 GAUGE HEX HEAD TEK SCREW AT EVERY LAP/PURLIN INTERSECTION. IN ADDITION FIX RIBLAPS WITH 1 No. CLIP NUT AND SCREW AT ENDS OF SHEET.

ALL TEK SCREWS TO BE FITTED WITH BUILDUP DEKBOND 15.8mm x 1.2mm ALUMINIUM/E.P.D.M. BONDED WASHER OR EQUIVALENT.

THE MANUFACTURER TAKES ALL CARE BUT GIVES NO GUARANTEE THAT THE ROOF FIXED IN THIS MANNER WILL REMAIN WATERPROOF DURING THE LIFE OF THE BUILDING.

**WIND LOAD FACTORS**

Ms	1.00
Mt	1.00
Mi	1.00
Kp	1.00
Ka	1.00

**SPAN AND DESIGN PRESSURE**

SPAN	DESIGN PRESSURE (WORKING)
-MIN. 2 SPAN CONT. -MAX. SPACING BETWEEN SUPPORTS 600	3.50 kPa

D	SPAN FIGURATION CLARIFIED	MAR 96
C	NOTE ADDED TO RECOMMENDED FIXING	MAR 96
B	NOTE ADDED, NAME OF CLADDING	FEB 96
A	FIXINGS SHOWN, WASHER SIZE AMENDED	JAN 96

DESIGN ENGINEER  
**DES NEWPORT CONSULTING ENGINEERS Pty.Ltd.**  
 208 CONSTANCE ST, FORTITUDE VALLEY Q. 4006  
 Ph (07) 3252 9822 Fax (07) 3252 9844  
 CERTIFIED on the 26/3/96

*[Signature]*  
 G.B. NEWPORT M.A.E. (AUST)  
 REG. No. NEEN 3080

TESTED BY  
**CYCLONE TESTING STATION**  
 DEPARTMENT OF CIVIL AND SYSTEMS ENGINEERING  
 JAMES COOK UNIVERSITY, TOWNSVILLE QLD 4811

**0.35mm METAL ROOF & WALL SHEETING FOR Spic-n-Span GARAGES, CARPORTS**



GARDEN SHEDS CARPORTS GARAGES

40 MARBLE DRIVE, KINGSTON QLD 4114  
 Ph (07) 3208 8688 Fax (07) 3808 5685

DESIGN DATA SHEET  
 DARWIN CYCLONE AREA

NORTHERN TERRITORY  
 CYCLONIC AREAS  
 APPROVED:

*[Signature]*

DATE 1.4.96

DWG. NO.  
 M/124/2