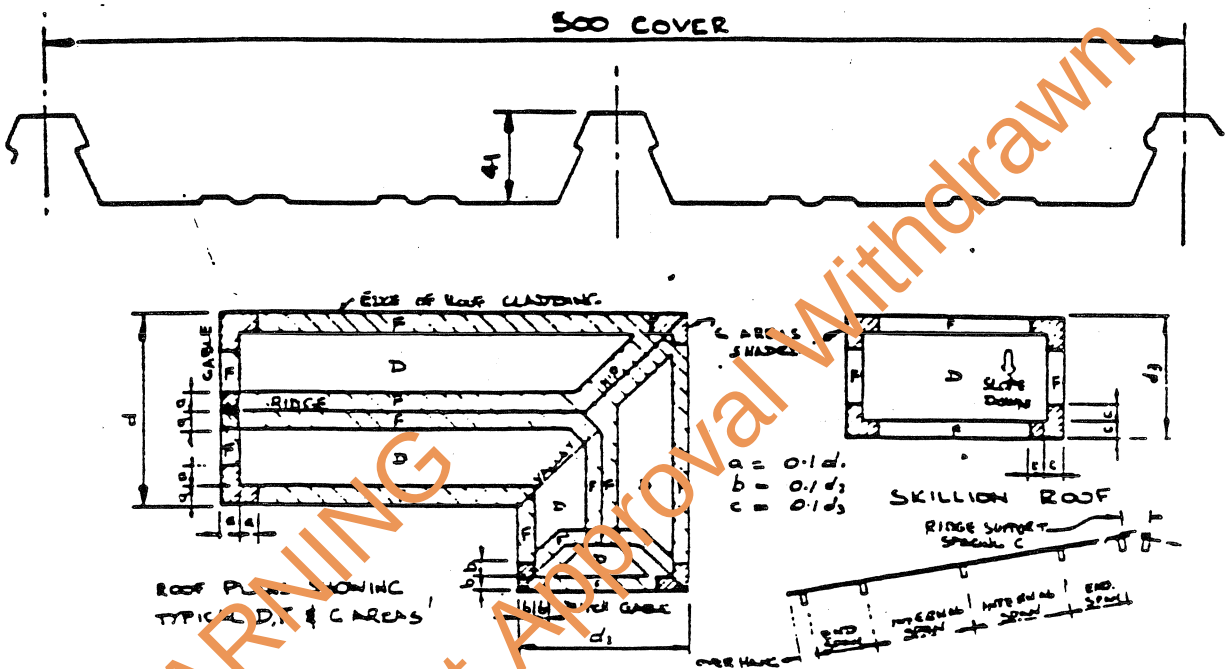
ALLOWABLE ROOF SPANS FOR 0·56 MONIER SUNDEK ROOF SHEETING FIXED WITH CONCEALED CLIPS.



WARNING
Product Approval Withdrawn
May 2009

TABLE 1. MAX ALLOWABLE SPANS UP TO 5m HEIGHT.

TERRAIN CATEGORY MULTIPLIER	ROOF AREA NOTATION	DESIGN WIND PRESSURE	MAX. END SPAN (mm)	MAX. INTERNAL SPAN (mm)
CAT. 1. 1·02	D	[illegible]·24	—	830
	F	5·37	550	700
	G	6·49	490	550
CAT. 2 0·93	D	3·53	—	1050
	F	4·16	670	810
	G	5·40	550	700
CAT. 2½ 0·79	D	2·55	—	1400
	F	3·22	910	1140
	G	3·89	760	950

NOTES:- MAX OVERHANG - UNSUPPORTED - 150mm
- STIFFENED - 300mm
MIN. OVERHANG - ALL CONDITIONS - 50mm

TABLE 2. MAX ALLOWABLE SPANS 5-10m HEIGHTS.

TERRAIN CATEGORY MULTIPLIER	ROOF AREA NOTATION.	DESIGN WIND PRESSURE	MAX END SPAN (mm)	MAX. INTERNAL SPAN (mm)
CAT. 1. 1·09	D	4·85	—	760
	F	6·13	510	600
	G	7·41	430	520
CAT. 2. 1·00	D	4·08	—	890
	F	5·16	560	720
	G	6·24	500	590
CAT. 2½. 0·85	D	2·95	—	1250
	F	3·73	790	990
	G	4·51	670	800

RIDGE PURLIN SPACING - 240mm
ALL CONDITIONS

NOTES:-

1. 0·56mm TOTAL COATED THICKNESS (0·50BASE) Al/Zn COATED STEEL TO AS1445-G550-AZ150. COLORBOND FINISHES HAVE AZ150 CLASS Al/Zn COATING
2. REFER TO DATA SHEET No M/113/6 FOR SCREW DETAILS
3. BASIC DESIGN WIND VELOCITY = 1·15 × 55 = 63·25 m/sec
4. P_z = DESIGN WIND PRESSURE IN kPa DERIVED FROM $P_z = C_p q_z$ WHERE $q_z = 0.6 \times (\text{TERRAIN CAT. \& BASIC VEL. MULTIPLIER} \times \text{WIND VEL.})^2$
   C_p = OVERALL PRESSURE COEFFICIENT, $C_{p\,\text{WINDWARD}} = 0.9$, $C_{p\,\text{LEEWARD}} = 0.8$, FOR ROOF AREA D $C_p = 0.9 + 0.8 = 1.70$, AREA F $C_p = (1.9 \times 0.9) + 0.8 = 2.15$, AREA G $C_p = (2 \times 0.9) + 0.8 = 2.60$

MANUFACTURER:- WOODROFFE SHEET METAL Pty. Ltd. 1 TAMINGA St REGENCY PARK. S.A. 5010	FIXING OF - MONIER SUNDEK ON BUILDINGS OF HEIGHT UP TO 10m
CERTIFIED [signature] ERIC STOKES BCE FIE (AUST) HEAD OF DEPARTMENT CIVIL & AERONAUTICAL ENGINEERING R.M.I.T. Ltd. DATE: 9/12/1985	DESIGN DATA SHEET DARWIN CYCLONIC AREA
	DEPARTMENT OF LANDS BUILDING BRANCH
	APP'D [signature] DATE 15/5/86 M.I.E. (AUST)
	DRAWING No M/113/5