

ALLOWABLE ROOF SPANS FOR 0.56 MONIER SUNDEK ROOF SHEETING FIXED WITH CONCEALED CLIPS.

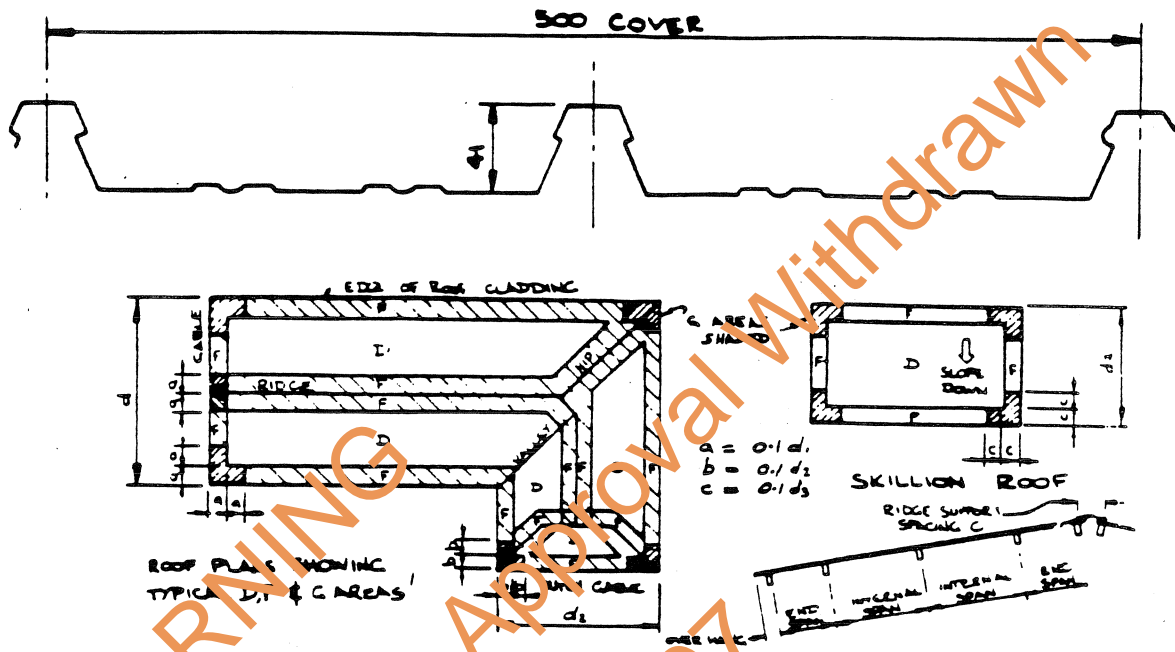


TABLE 1. MAX ALLOWABLE SPANS UP TO 5m HEIGHT.

TERRAIN CATEGORY MULTIPLIER	ROOF AREA NOTATION	DESIGN WIND PRESSURE	MAX. END SPAN (mm)	MAX. INTERNAL SPAN (mm)
1.02	D	4.24	-	130
	F	5.37	550	100
	G	6.49	490	550
0.93	D	3.53	-	1050
	F	4.16	670	810
	G	5.40	550	700
0.79	D	2.55	-	1400
	F	3.22	910	1140
	G	3.89	760	950

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)
1.09	D	4.85	-	760
	F	6.13	510	600
	G	7.41	430	520
1.00	D	4.08	-	890
	F	5.16	560	720
	G	6.24	500	590
0.85	D	2.95	-	1250
	F	3.73	790	990
	G	4.51	670	800

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

RIDGE PURLIN SPACING - 240mm
 ALL CONDITIONS

NOTES:-

- 0.56mm TOTAL COATED THICKNESS (0.50BASE) AL/Zn COATED STEEL TO ASKAS-G550-AZ150. COLORBOND FINISHES HAVE AZ150 CLASS AL/Zn COATING
- REFER TO DATA SHEET NO. FOR SCREW DETAILS
- BASIC DESIGN WIND VELOCITY = $1.15 \times 55 = 63.25 \text{ m/sec}$
- P_z = DESIGN WIND PRESSURE IN kPa DERIVED FROM $P_z = C_p q_z$ WHERE $q_z = 0.6 \times (\frac{\text{VELOCITY OF BASE WIND}}{\text{MULTIPLIER} \times \text{WIND VEL}})^2$
 C_p = OVERALL PRESSURE COEFFICIENT, $C_{p \text{ EXTERNAL}} = 0.9$, $C_{p \text{ INTERNAL}} = 0.8$, FOR ROOF AREA D $C_p = 0.9 \times 0.8 = 0.72$,
 AREA F $C_p = (1.9 \times 0.9) \times 0.8 \times 2.15$, AREA G $C_p = (2.0 \times 0.9) \times 0.8 \times 2.60$

MANUFACTURER:- MONIER METAL BUILDING PRODUCTS EVERLEY ROAD SOUTH GRANVILLE N.S.W. 2142.	FIXING OF - MONIER SUNDEK ON BUILDINGS OF HEIGHT UP TO 10m	
	DESIGN DATA SHEET DARWIN CYCLONIC AREA	
CERTIFIED: ERIC STOKES, BCE (AUST) HEAD OF DEPARTMENT CIVIL & AERONAUTICAL ENGINEERING R.M.I.T. LTD DATE: 9-12-1985	DEPARTMENT OF LANDS BUILDING BRANCH	DRAWING NO M/112/5
	APP'D: L. CHEW M.C.P.(M.I.)	DATE 11-12-85