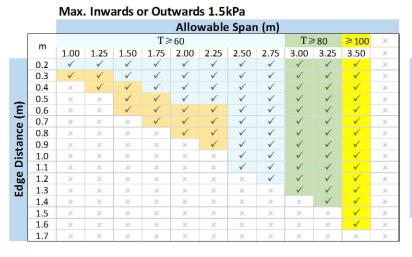
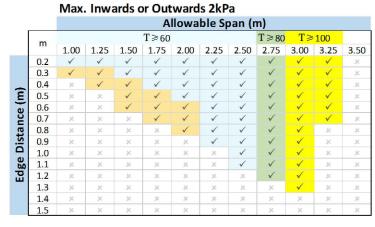
300x300MM PENETRATIONS ON 0.5MM & 0.6MM METECNOSPAN ROOFS









450x450MM PENETRATIONS ON 0.5MM & 0.6MM METECNOSPAN ROOFS

		Max.	Inwa	ards c	r Out	ward	s 1kP	a					
						Allo	wable	Spar	(m)				
		≥ 60	T ≥ 80									T≥ 100	
	m	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25	3.50	3.75
	0.2	✓	√	√	✓	√	√	√	√	✓	✓	√	30
_	0.3	ж	✓	√	√	V	V	V	V	√	✓	√	Ж
Ē	0.4	ж	√	√	✓	V	√	√	V	✓	✓	✓	Ж
	0.5	ж)c	✓	✓	√	√	√	√	✓	√	√	Ж
stance	0.6	ж	ж	Ж	✓	√	√	√	√	✓	✓	✓	ж
ē	0.7	ж	Ж	х	ж	√	V	√	√	✓	√	√	ж
S	0.8	ж	ж	Ж	х	ж	√	√	√	√	√	ж	х
ב	0.9	х	ж	Ж	ж	30	√	√	√	√	√	ж	х
9	1.0	х	30	ж	30	30	30	V	√	√	ж	ж	×
Edge	1.1	ж	34	30	30	30	30	30	√	✓	30	30	30
	1.2	ж	×	30	30	30	30	30	3C	✓	30	30	30
	1.3	ж	30	ж	30	30	30	30	ж	х	30	×	30

	Max. Inwards or Outwards 1.5kPa												
		Allowable Span (m)											
		≥60		≥ 100	≥ 100								
	m	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00	3.25		
	0.2	✓	V	√	√	√	√	✓	√	✓	X		
=	0.3	X	√	√	V	1	V	√	√	√	ж		
Ξ	0.4	30	√	√	✓	V	√	√	√	√	ж		
9	0.5	Ж	X	✓	√	√	1	✓	√	✓	30		
Ĕ	0.6	Ж	ж	×	✓	√	√	1	√	✓	ж		
Distance	0.7	ж)c	ж	ж	√	√	√	✓	✓	ж		
Ö	8.0	ж	30	×	×	ж	√	1	√	√	ж		
	0.9	ж	30	×	30	ж	1	1	✓	√	ж		
Edge	1.0	×	30	ж	30	ж	x	√	√	30	ж		
ш	1.1	ж	30	ж	30	×	×	ж	√	30	30		
	1.2	30	30	ж	30	x	ж	30	30	30	ж		

	Max. Inwards or Outwards 2kPa											
		Allowable Span (m)										
		≥60	T≥80 ≥ 100									
	m	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75	3.00		
Distance (m)	0.2	√	V	✓	√	V	√	√	✓	ж		
	0.3	30	√	√	✓	√	√	√	✓	ж		
,	0.4	30	√	√	√	✓	√	V	✓	30		
	0.5	×	30	✓	✓	√	✓	√	✓	Ж		
	0.6	×	30	30	✓	√	√	√	ж	Ж		
	0.7	×	30	30	ж	√	√	√	×	Ж		
	8.0	×	30	30	ж	Ж	√	√	×	Ж		
•	0.9	ж	ж	×	ж	Ж	1	√	ж	Ж		
-9	1.0	30	ж	х	ж	30	30	√	ж	30		
	1.1	30	ж	ж	ж	x	30	30	ж	30		

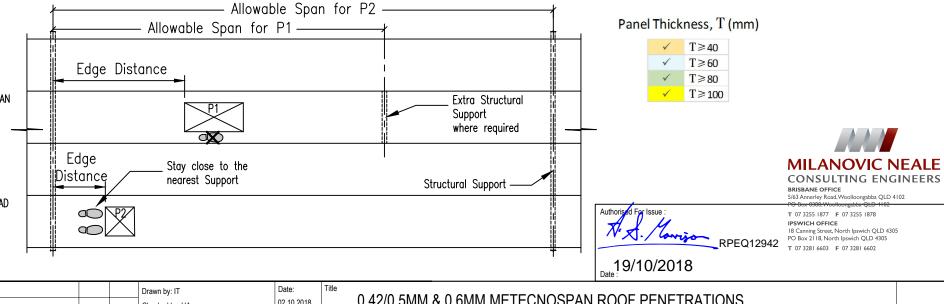
	Max. Inwards or Outwards 3kF											
		Allowable Span (m)										
		≥60		≥ 100								
	m	1.00	1.25	1.50	1.75	2.00	2.25					
ø	0.2	✓	√	√	√	√	ж					
ü	0.3	Ж	√	✓	√	√	ж					
ta	0.4	×	√	√	√	✓	30					
Ë	0.5	×	ж	✓	√	√	×					
Edge Distance	0.6	×	×	×	√	√	×					
dg	0.7	×	ж	×	30	√	×					
ш	8.0	×	Ж	Х	30	х	ж					

DESIGN GUIDELINES (SINGLE OR MULTI SPAN ROOFS)

- 1. DETERMINE THE DESIRED LOCATION OF SUPPORT,
- 2. MARK THE LOCATION OF EACH PENETRATION,
- 3. PROVIDE ONLY ONE PENETRATION PER PANEL AND EXCLUDE TWO ADJOINING PANELS,
- 4. MEASURE THE DISTANCE BETWEEN THE EDGE OF PENETRATION TO THE NEAREST SUPPORT (EDGE DISTANCE),
- 5. CHECK THAT THE COMBINATION OF SPAN & EDGE DISTANCE FROM ABOVE TABLES IS OK.
- 6. IF NOT OK, PROVIDE EXTRA SUPPORT WHERE REQUIRED AND DOUBLE CHECK TO ENSURE THE NEW EDGE DISTANCE & SPAN CONFIGURATIONS ARE OK.

CONSTRUCTION GUIDELINES

- 7. ONLY ONE PERSON ALLOWED ON ANY ONE PANEL. MAX CONCENTRATED LOAD IS 1.4kN,
- 8. STAY AS CLOSE TO THE NEAREST SUPPORT AS POSSIBLE,
- 9. DO NOT STEP ON THE REMAINING SIDE STRIPS DURING OR AFTER CUT-OUT,
- 10. PENETRATIONS SHALL BE SYMMETRICALLY PLACED ACROSS THE WIDTH OF THE PANEL,
- 11. MAX POINT LOAD ON THE OPENING IS 0.25KN. THE LOAD SHALL BE EQUALLY DISTRIBUTED ALONG THE EDGES. IF THE LOAD IS ECCENTRIC THE ALLOWABLE EDGE DISTANCE SHALL BE REDUCED BY 0.2m.
- 12. FLASHING SHALL BE PROVIDED AROUND THE PENETRATION TO PREVENT MOISTURE INGRESSION,
- 13. CIRCULAR OPENING CAN BE PROVIDED IF ITS DIAMETER AND SIDES OF THE SQUARE OPENING ARE EQUIVALENT,
- 14. 300MM AND 450MM PENETRATIONS ARE ASSUMED TO BE CUT THROUGH ONLY ONE AND TWO RIBS RESPECTIVELY,
- 15. THIS DRAWING MUST BE READ IN CONJUNCTION WITH CORRESPONDING METECNO'S ROOF SPAN TABLES.



0.42/0.5MM & 0.6MM METECNOSPAN ROOF PENETRATIONS 02.10.2018 d melecno Checked by: HA A3 This drawing is copyright and the property of **ALLOWABLE SPANS** Metecno Ptv Limited. It is subject to their recall Metecno Pty Ltd trading as Metecno PIR and may not be reproduced or its contents divulged without written authority. www.metecnopir.com.au 02.10.18 Initial Issue EXTERNAL ROOF - REGIONS A & B **PIR13-RP01** 0 ABN 44 096 402 934 Rev. Date Description Check Dimensions are in mm - do not scale