

300x300MM PENETRATIONS ON 0.5MM & 0.6MM METECNOSPAN ROOFS

Max. Inwards or Outwards 1kPa

[illegible]

Max. Inwards or Outwards 1.5kPa

[illegible]

Max. Inwards or Outwards 2kPa

[illegible]

Max. Inwards or Outwards 3kPa

	Allowable Span (m)							
m	T ≥ 60					T ≥ 80 >= 100		
	1.00	1.25	1.50	1.75	2.00	2.25	2.50	2.75
0.2	✓							x
0.3	✓	✓	✓	✓	✓	✓	✓	x
0.4	x	✓	✓	✓	✓	✓	✓	x
0.5	x	x	✓	✓	✓	✓	✓	x
0.6	x	x	✓	✓	✓	✓	✓	x
0.7	x	x	x	✓	✓	✓	✓	x
0.8	x	x	x	x	✓	✓	x	x
0.9	x	x	x	x	x	✓	x	x
1.0	x	x	x	x	x	x	x	x

450x450MM PENETRATIONS ON 0.5MM & 0.6MM METEKNOSPAN ROOFS

Max. Inwards or Outwards 1kPa

[illegible]

Max. Inwards or Outwards 1.5kPa

[illegible]

Max. Inwards or Outwards 2kPa

[illegible]

Max. Inwards or Outwards 3kPa

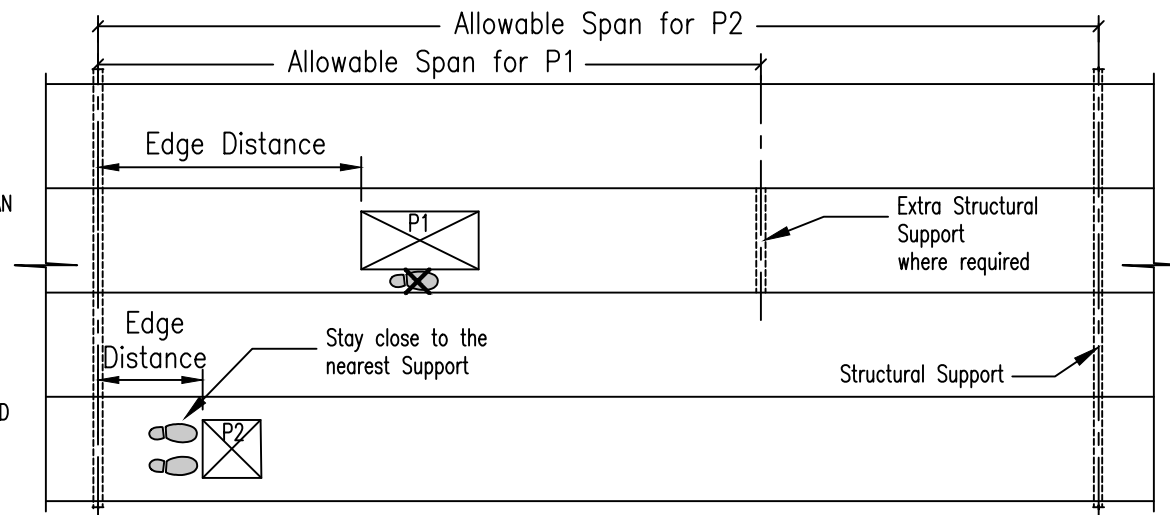
		Allowable Span (m)					
m		≥ 60	$T \geq 80$			≥ 100	
		1.00	1.25	1.50	1.75	2.00	2.25
Edge Distance	0.2	✓	✓	✓	✓	✓	×
	0.3	×	✓	✓	✓	✓	×
	0.4	×	✓	✓	✓	✓	×
	0.5	×	×	✓	✓	✓	×
	0.6	×	×	×	✓	✓	×
	0.7	×	×	×	×	✓	×
	0.8	×	×	×	×	×	×

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.

Panel Thickness, T (mm)

✓	$T \geq 40$
✓	$T \geq 60$
✓	$T \geq 80$
✓	$T \geq 100$

Authorised For Issue :

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Date: 19/10/2018



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