



# Induracore G2

ALUMINIUM LAMINATED PANELS

## Z-angle Fixing System

Version 2.6

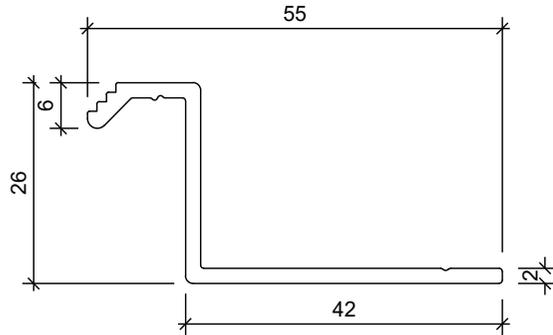
December 2025

# CONTENTS

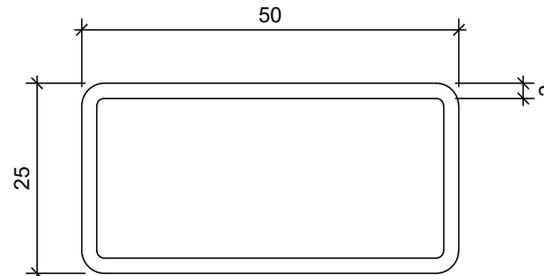
1. Components	4
2. Vertical Panel Joint	5
3. Horizontal Panel Joint	6
4. Inter-Storey Joint	7
5. Internal Panel Corner	8
6. External Panel Corner	9
7. Wall To Soffit - A	10
8. Wall To Soffit - B	11
9. Base Detail - A	12
10. Base Detail - B	13
11. Base Detail - C	14
12. Precast Wall - A	15
13. Precast Wall - B	16
14. Precast Wall - C	17
15. Fibre Cement Internal Corner - A	18
16. Fibre Cement Internal Corner - B	19
17. Vertical Profiled Cladding Internal Corner	20
18. Horizontal Profiled Cladding Internal Corner	21
19. Pipe Penetration @ Soffit	22
20. Vertical Profiled Metal Junction	23
21. Parapet Option - A	24
22. Parapet Option - B	25
23. Parapet Option - C	26
24. Parapet Option - D (w/ minimal upstand)	27

# CONTENTS

25. Parapet Top Joint	28
26. Fascia To Soffit - A	29
27. Fascia To Soffit - B	30
28. Fascia To Soffit - C	31
29. Fascia To Soffit - D	32
30. Fascia To Soffit - E	33
31. Eyebrow Sill Detail	34
32. Typical Upstand Detail	35
33. Typical Commercial Window Head	36
34. Typical Commercial Window Sill	37
35. Typical Commercial Window Jamb - A	38
36. Typical Commercial Window Jamb - B	39
37. Typical Residential Window Head	40
38. Typical Residential Window Sill	41
39. Typical Residential Window Jamb - A	42
40. Typical Residential Window Jamb - B	43
41. Wall Box Penetration Detail	44
42. Wall Pipe Penetration Detail	45
43. Fin Mounting Detail	46
44. General Differential Movement	47
45. Meter Box Penetration	48
46. Aluminium Stiffener To Induracore G2	49

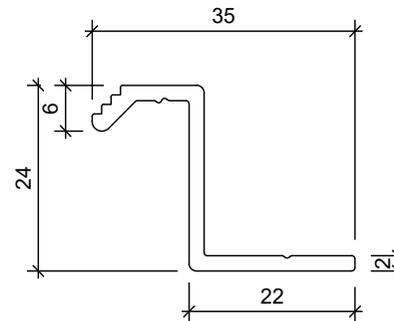


**Indurafix High Z-Angle (First Fix)**  
Alloy & Temper: 6060-T6  
Colour: Mill Finish

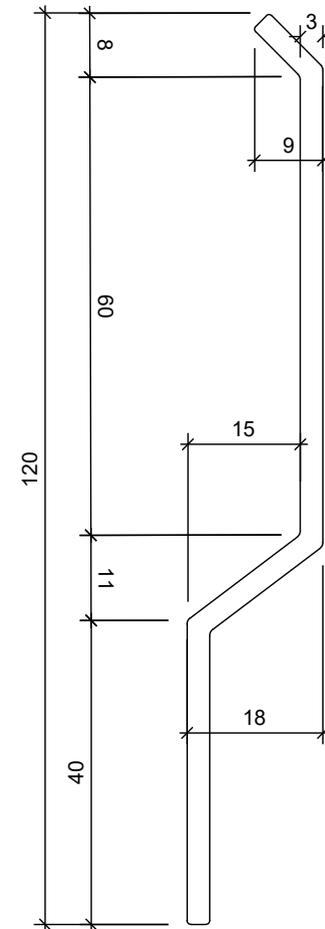


**RHS Stiffener 50X25X2mm**  
Alloy & Temper: 6060-T6  
Colour: Mill Finish  
Adhesive Glue: Minimum 2mm thick & minimum 50mm wide strip of Sabrebond SMP60  
Alignment: Stiffener to be parallel to short edge

**Fire Cavity Barrier (By Others)**  
- Ryanfire Intuspan Fire Cavity Barrier or equivalent, where required, to be installed in accordance with C/AS2



**Indurafix Low Z-Angle (Second Fix)**  
Alloy & Temper: 6060-T6  
Colour: Mill Finish

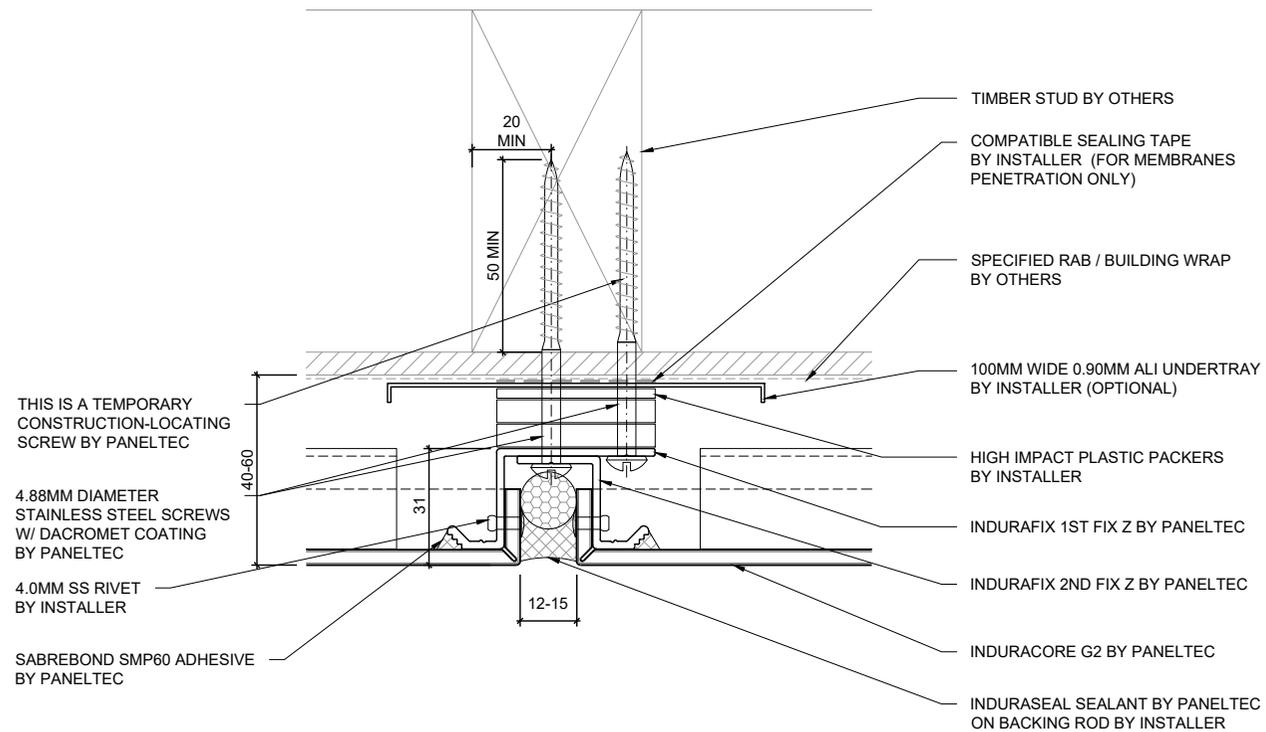


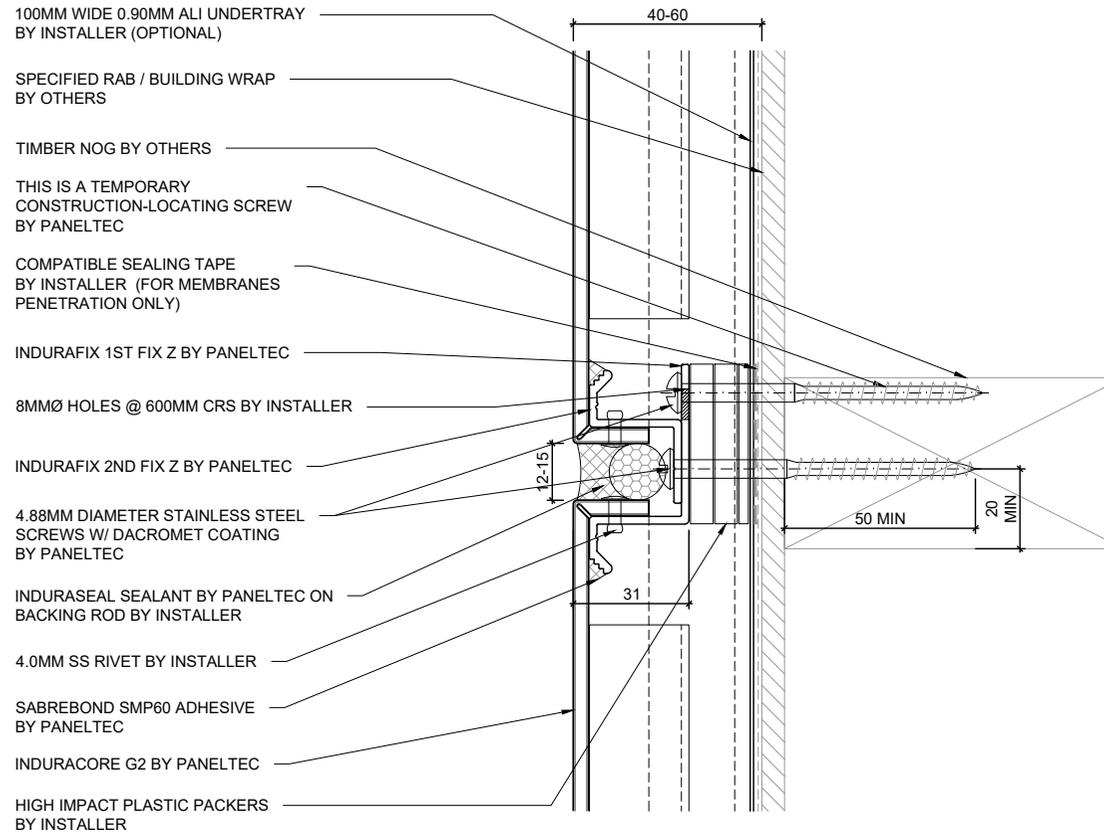
**Indurabase Extrusion**  
Alloy & Temper: 6060-T6  
Colour: Mill Finish

**Fixing Requirements of First & Second Fix Z-Angle**

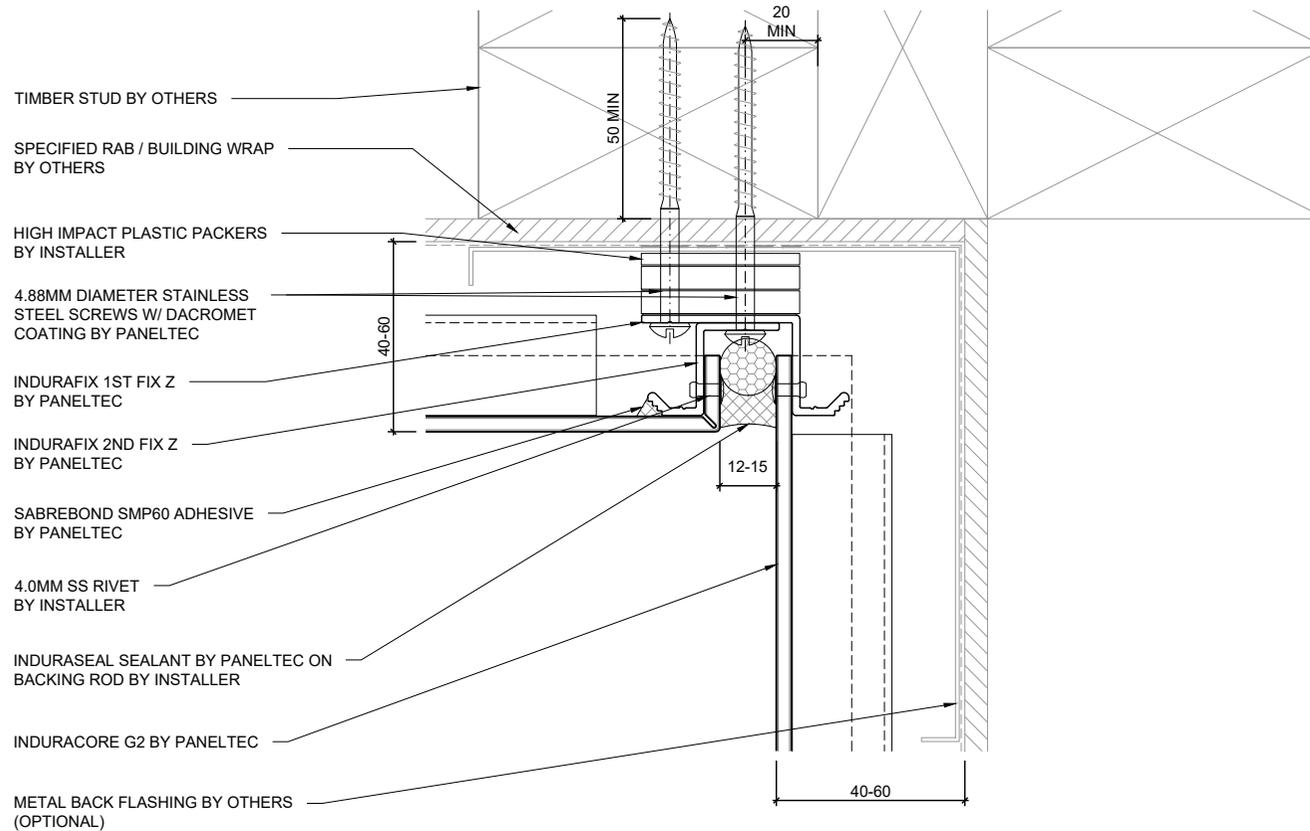
1. **Fixing to Timber Substrate**  
Proposed Fastener Diameter: 4.88mm Screw  
Minimum Timber Embedment Depth: 50mm or as specified in the detail  
Minimum Timber Edge Distance: 20mm  
Minimum Aluminium Edge Distance: 10mm
2. **Fixing to Steel Substrate**  
Proposed Fastener Diameter: 5.59mm Screw  
Minimum Steel Edge Distance: 12mm  
Minimum Aluminium Edge Distance: 12mm
3. **Fixing to Concrete Substrate**  
Proposed Fastener: M6 Hilti HUS4-HR or M6 Anzor AnchorMark G316SS  
Minimum Concrete Embedment Depth: 55mm  
Minimum Concrete Edge Distance: 50mm  
Minimum Aluminium Edge Distance: 12mm

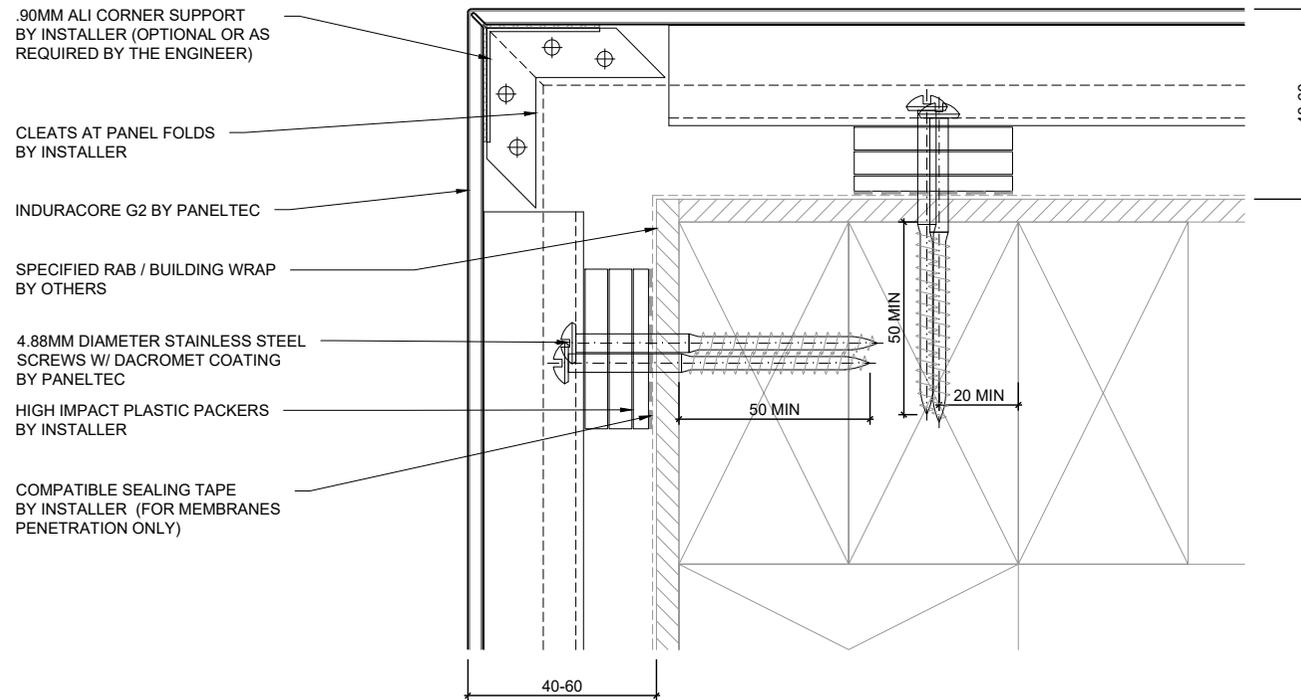
*For more information refer to the Induracore G2 Aluminium Laminated Panels (Z-Angle Fixing System) Engineering Judgement. Structure shown on the typical details are on timber framing. Fixing system can also be applied on steel framing.*

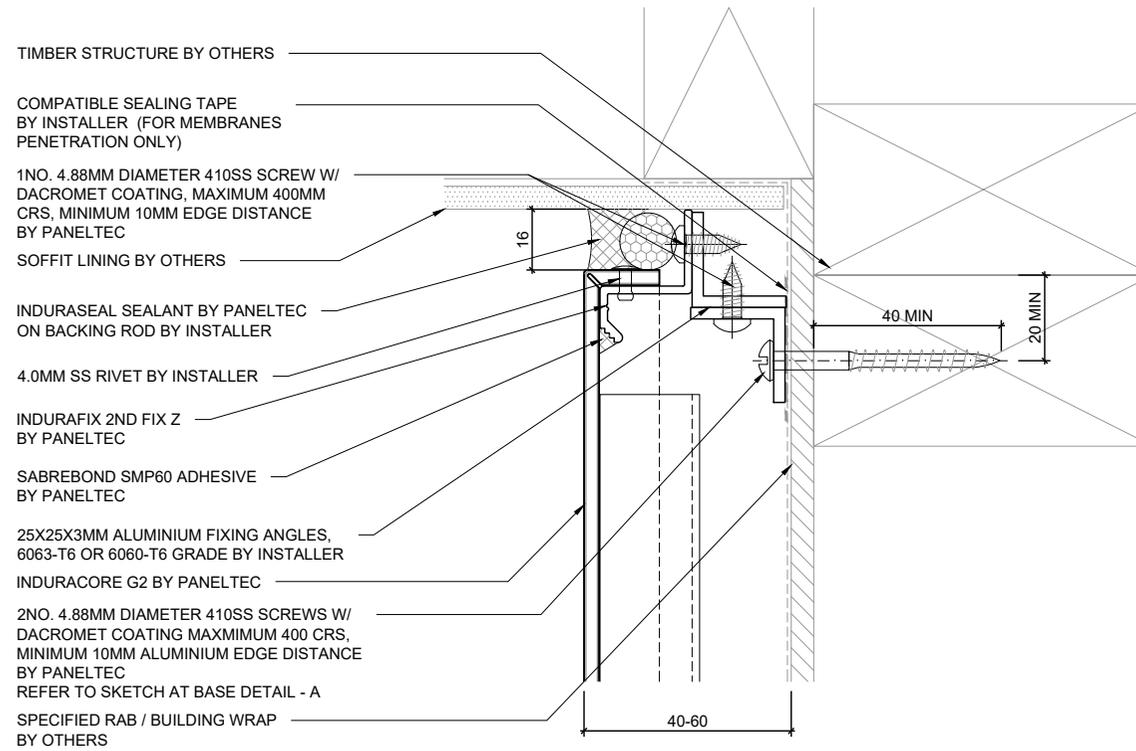


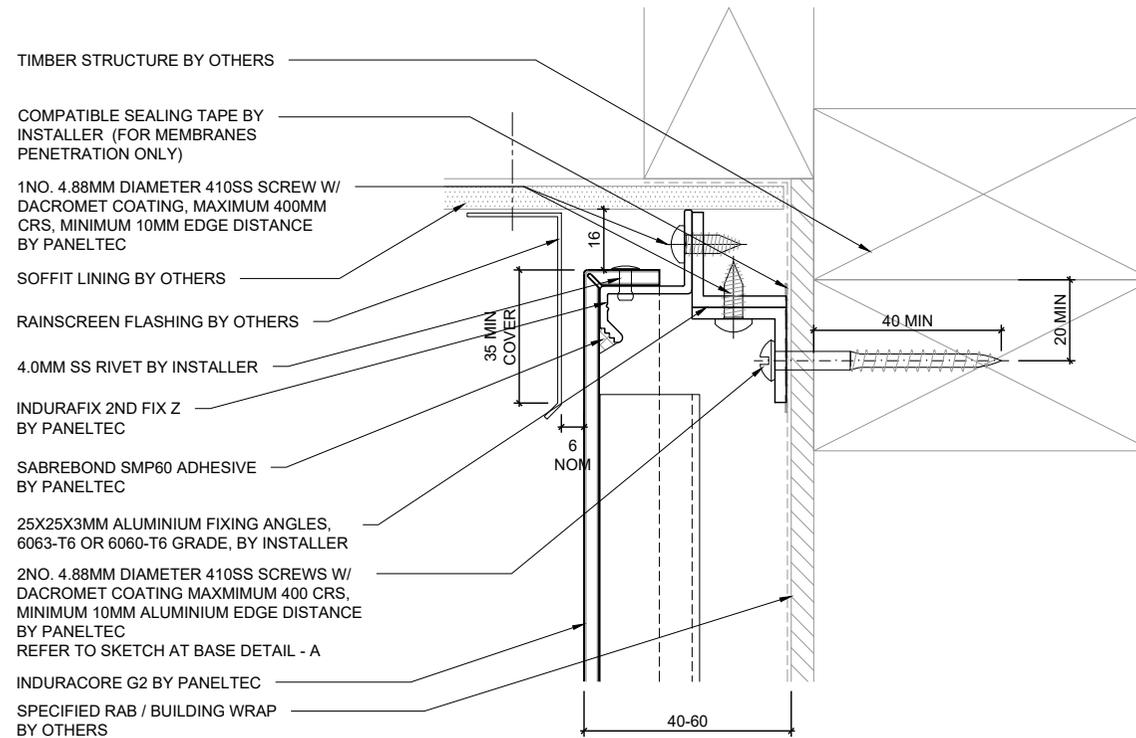


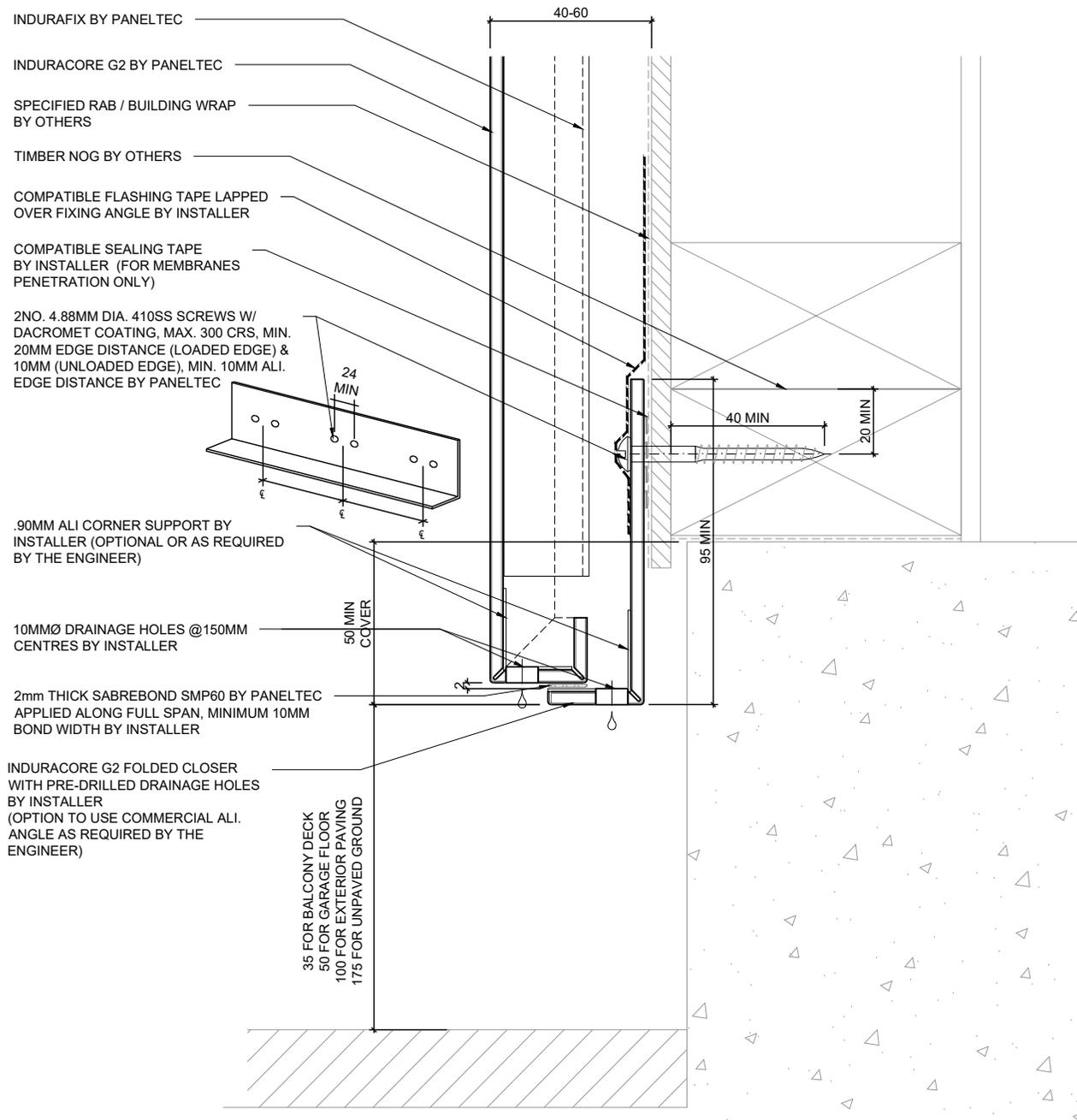


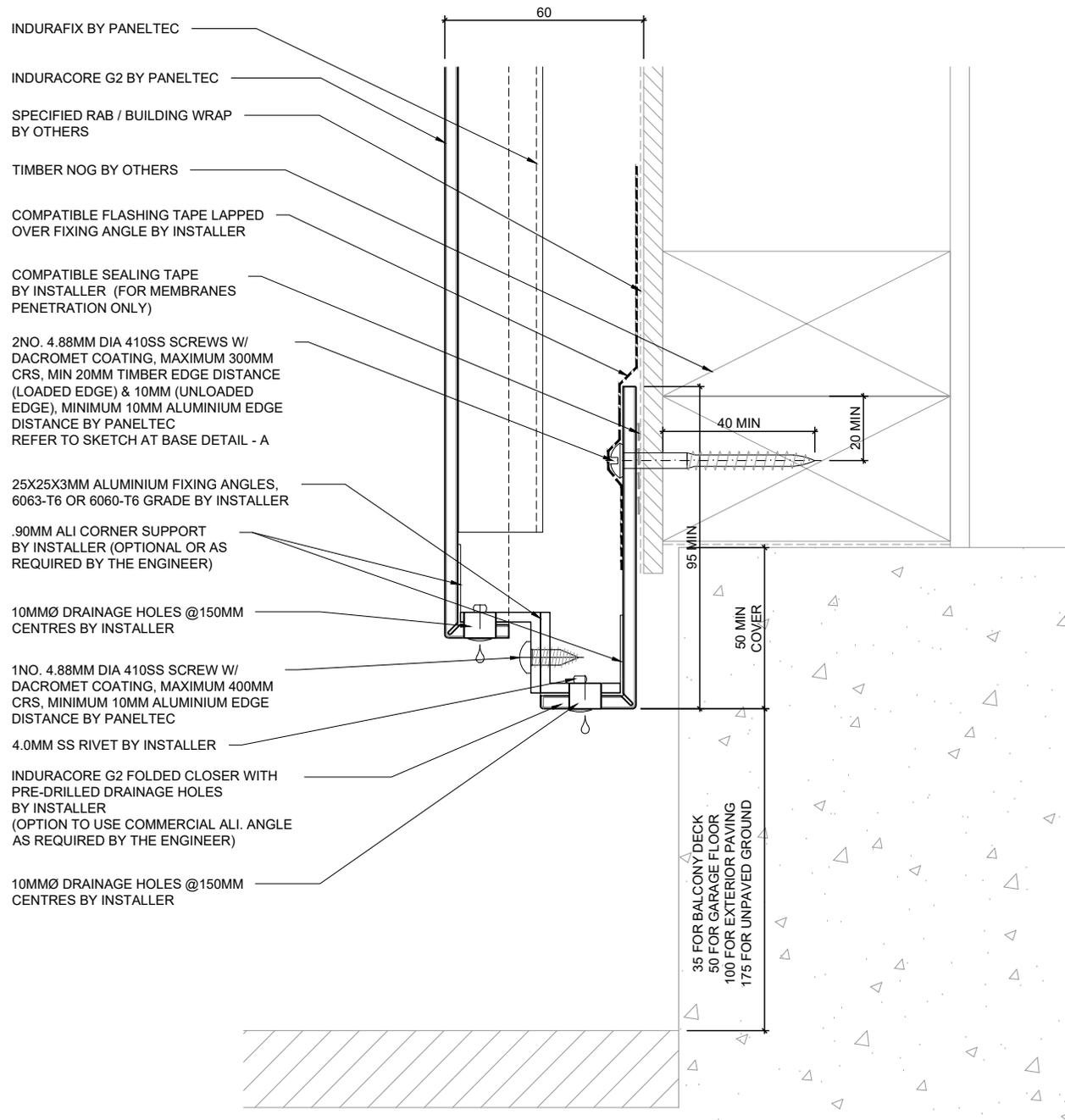


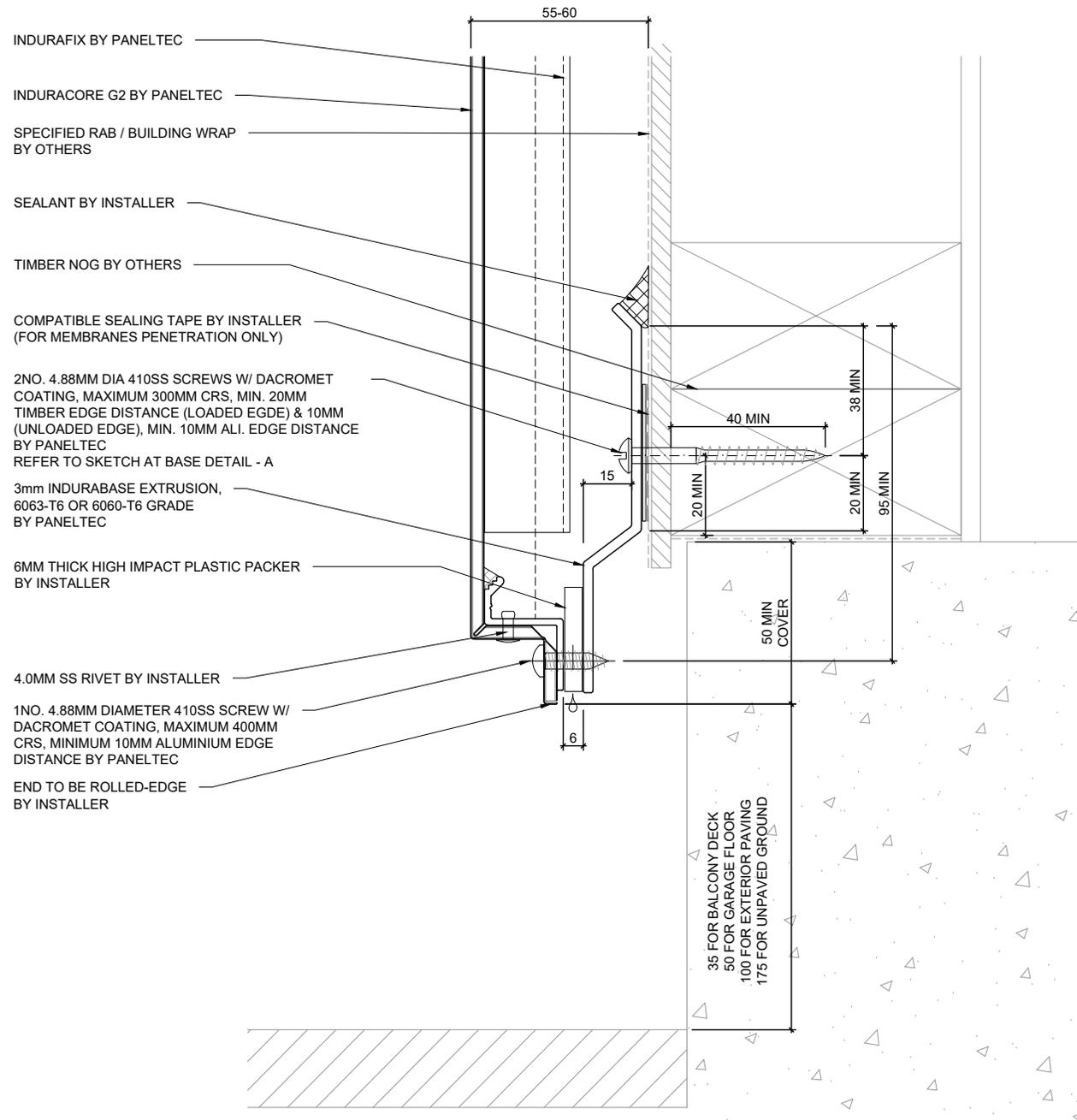


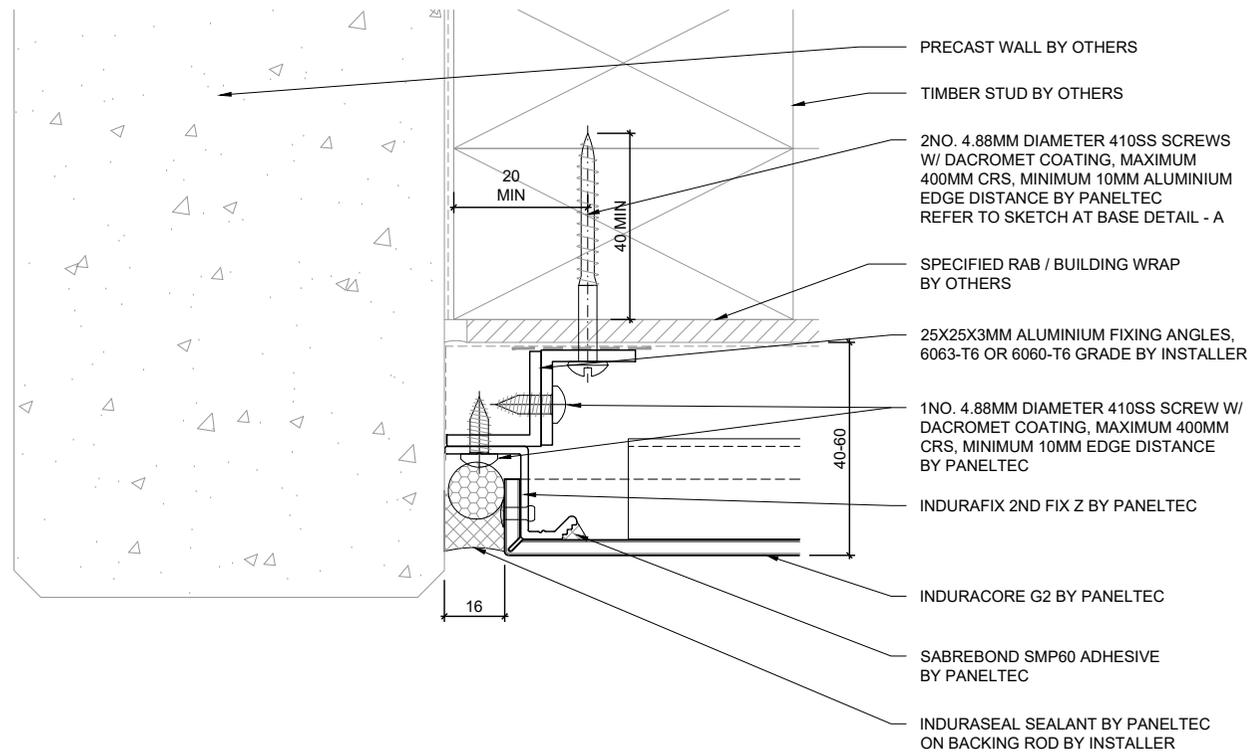


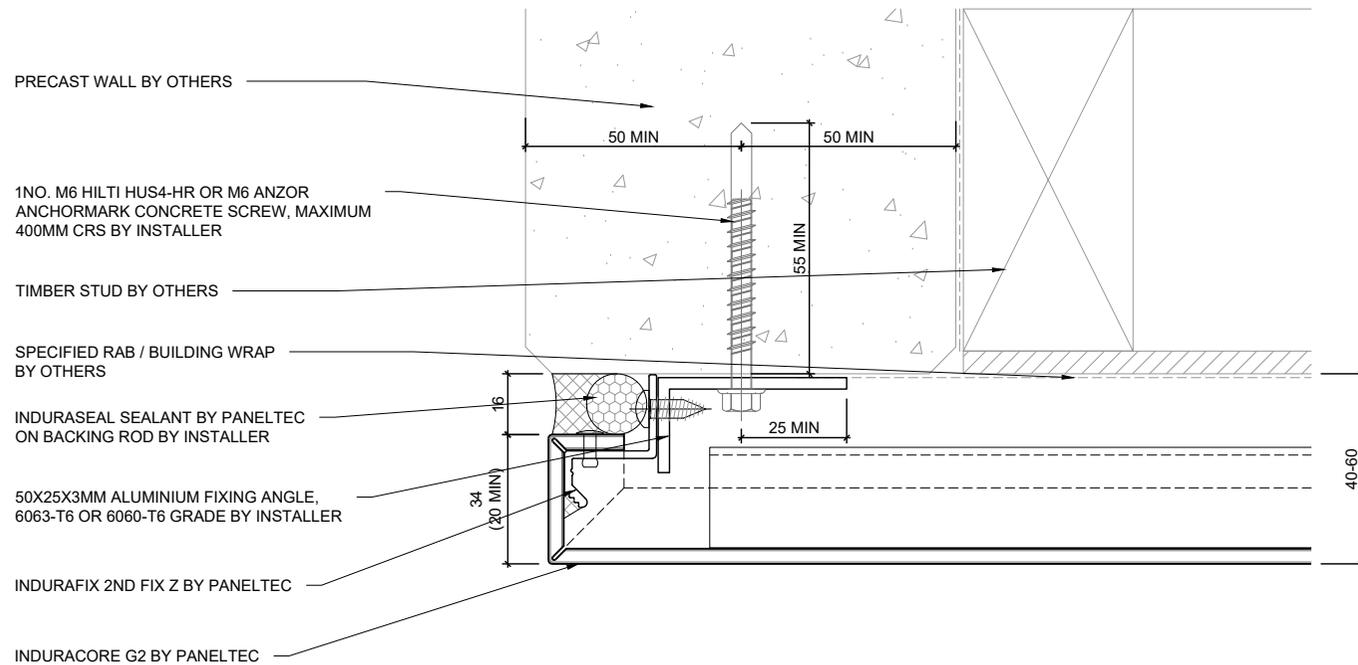


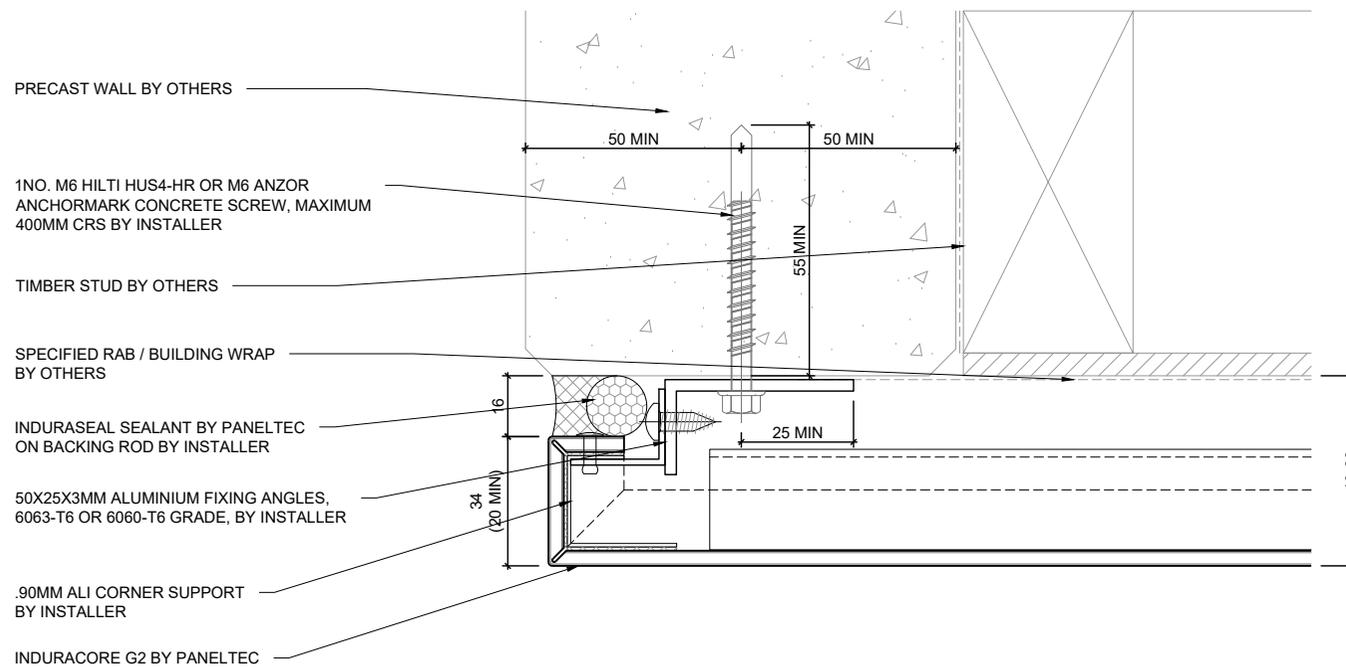


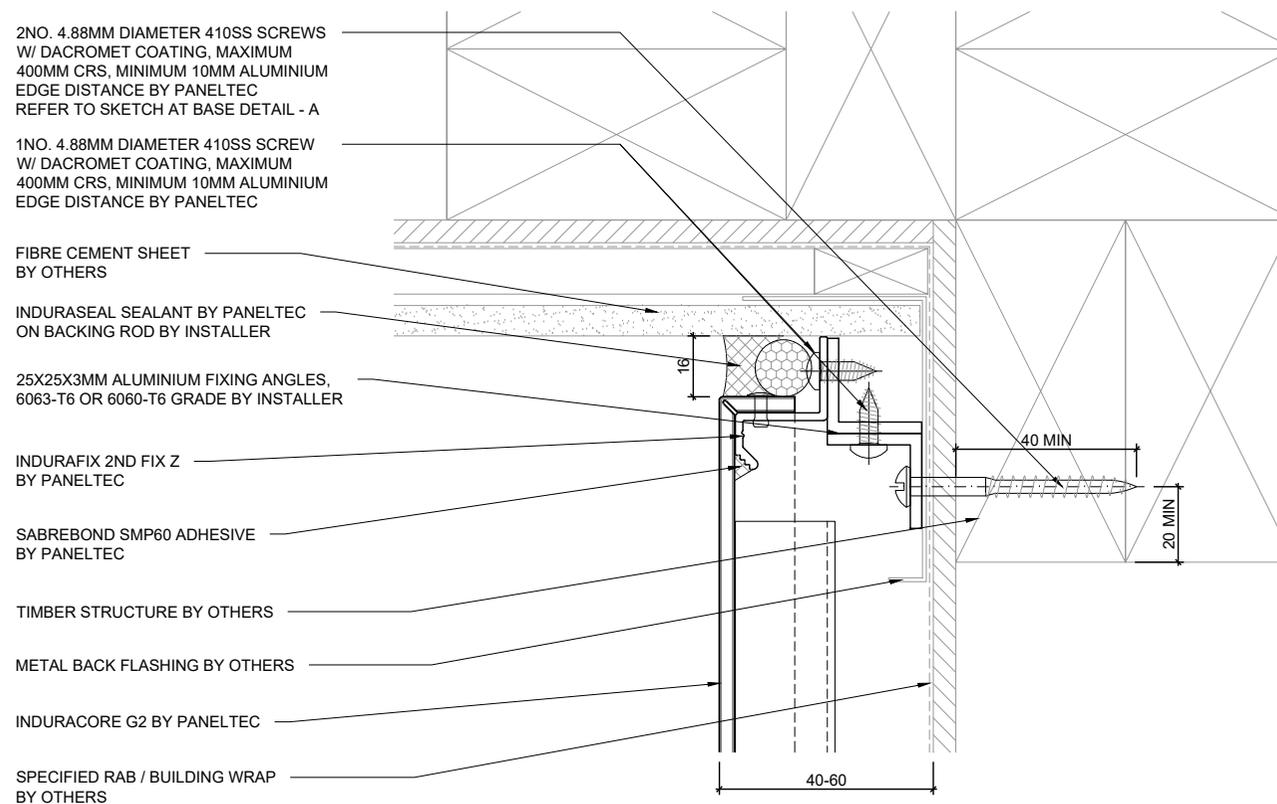


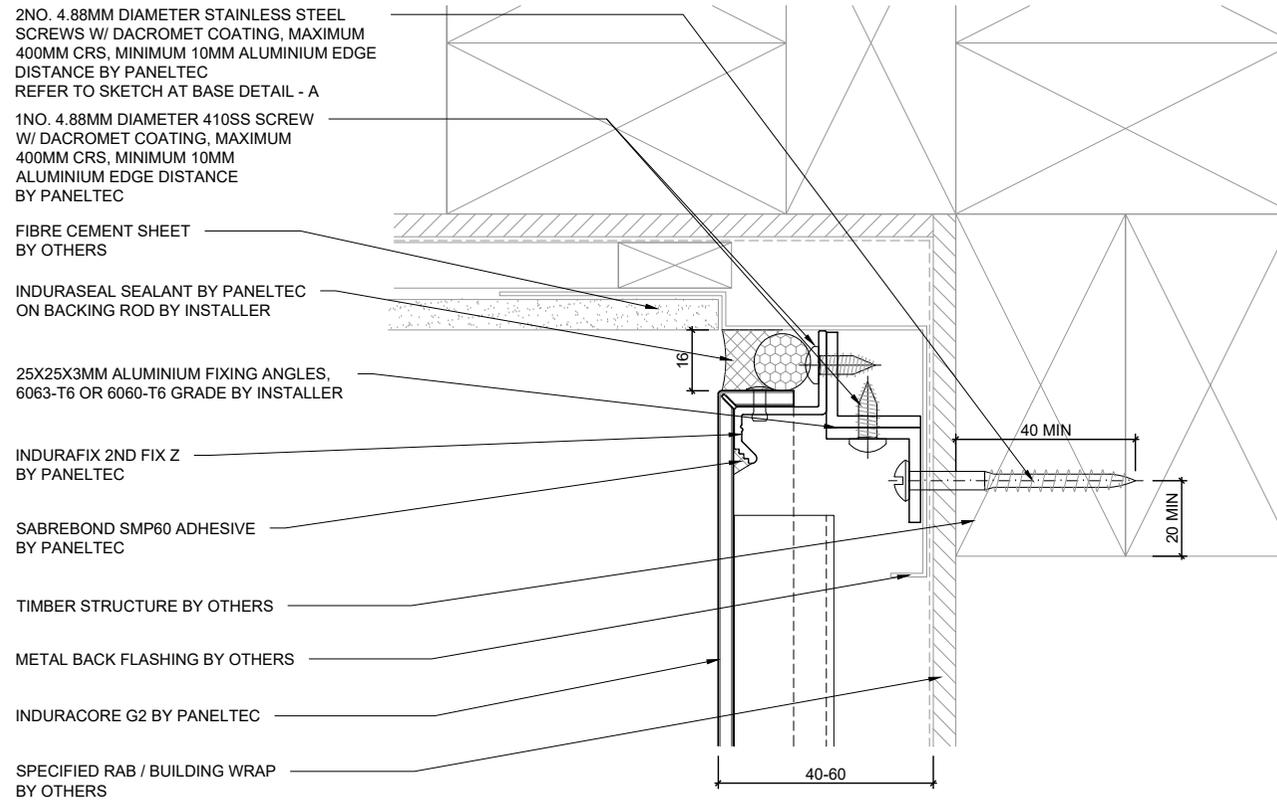


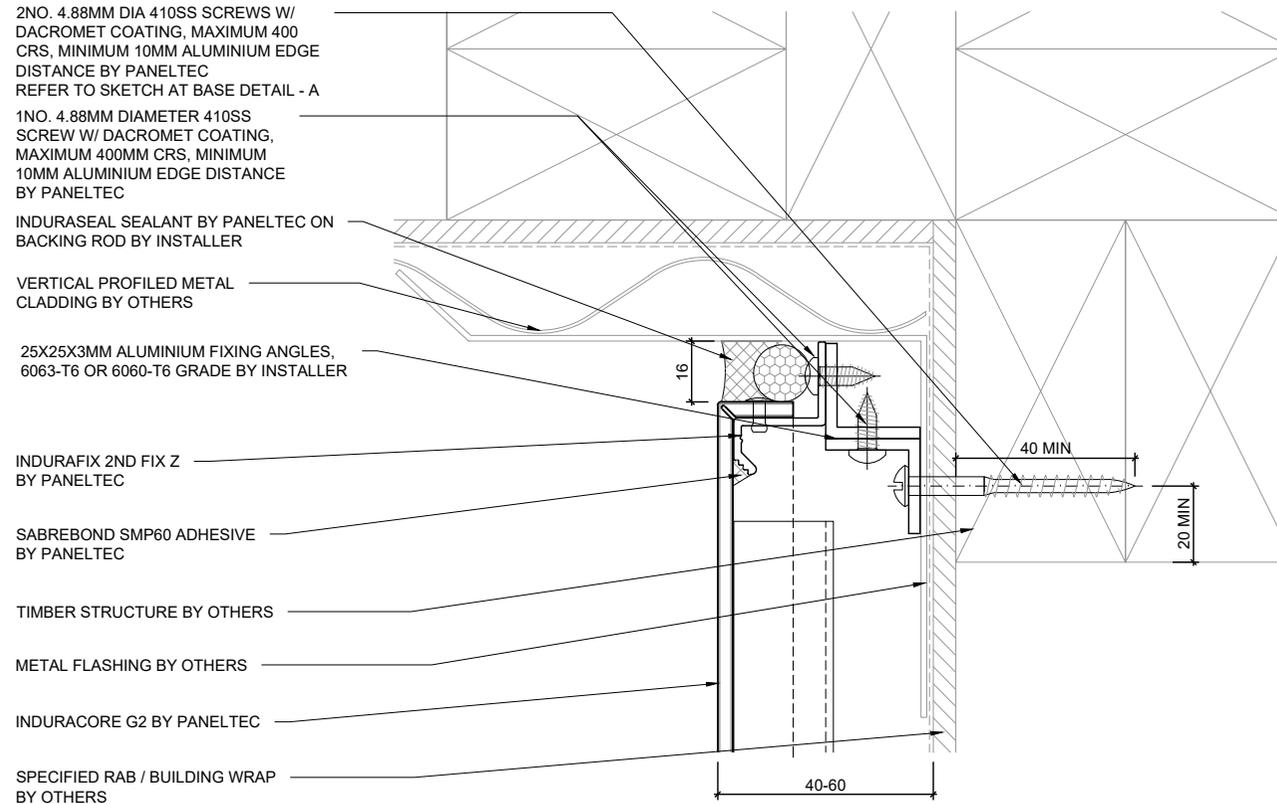


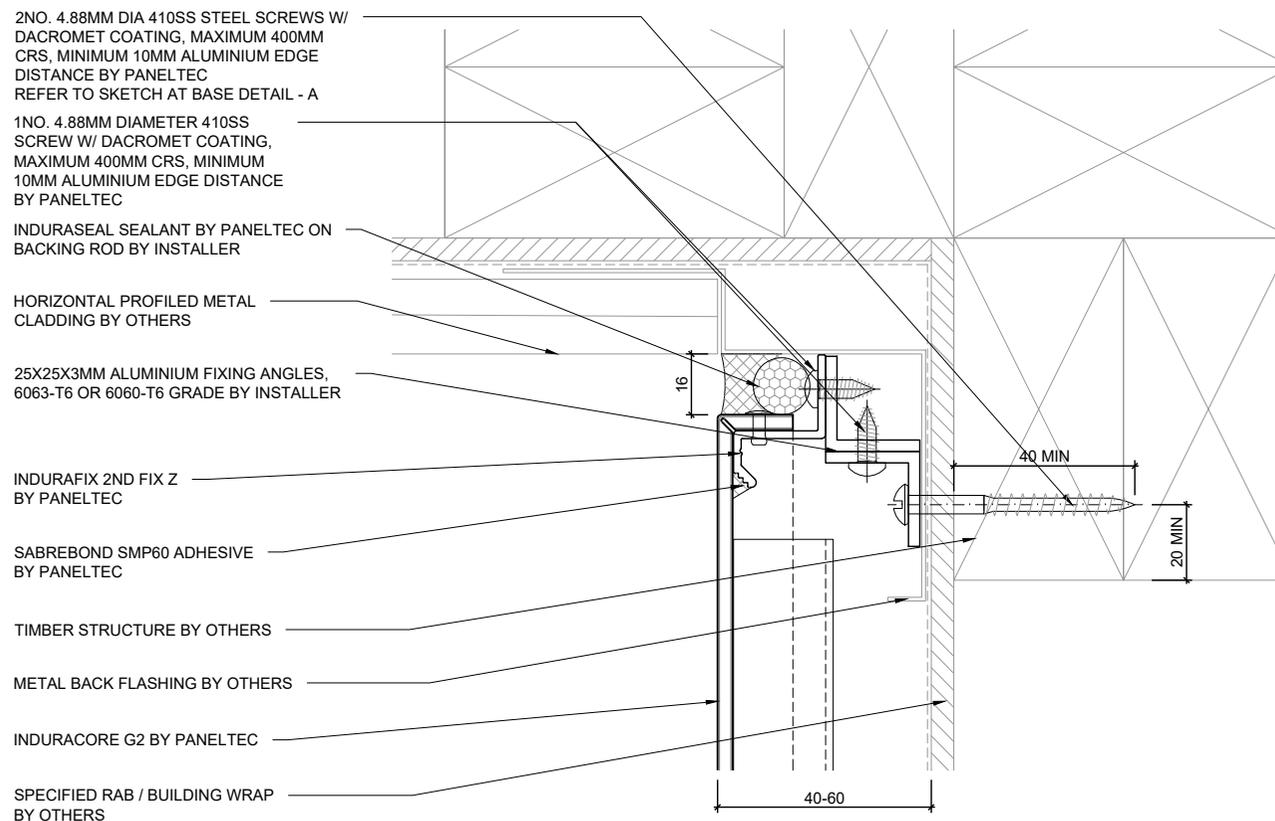


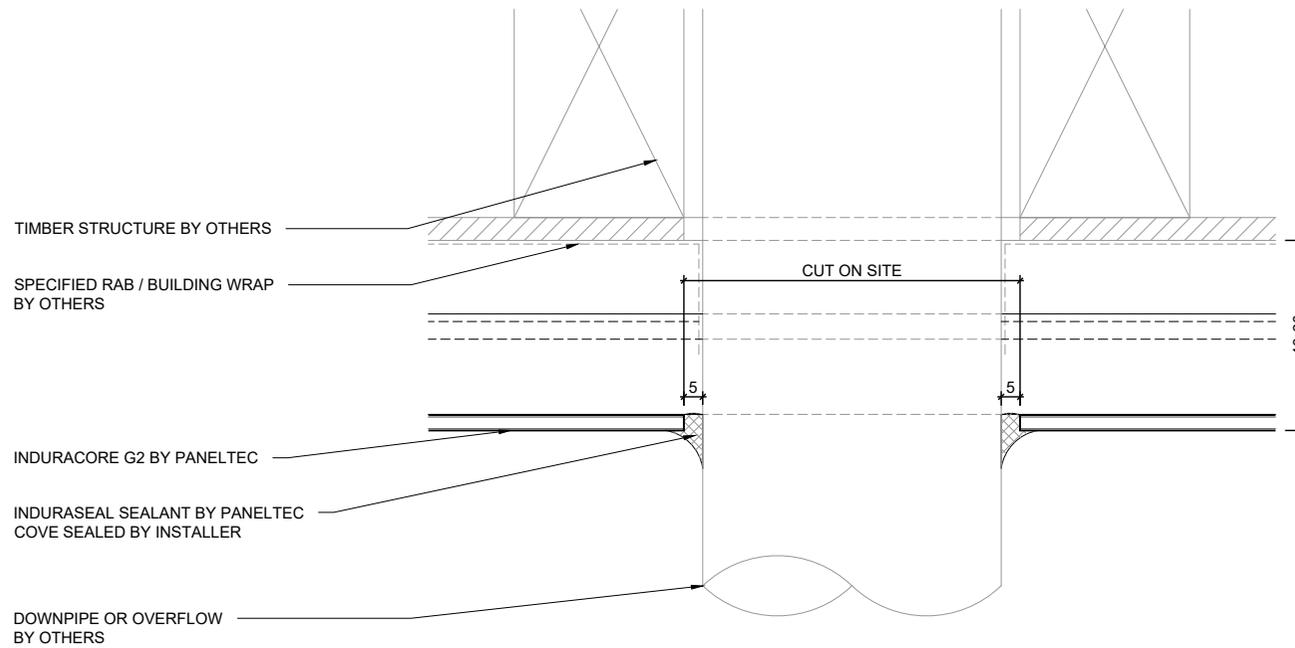


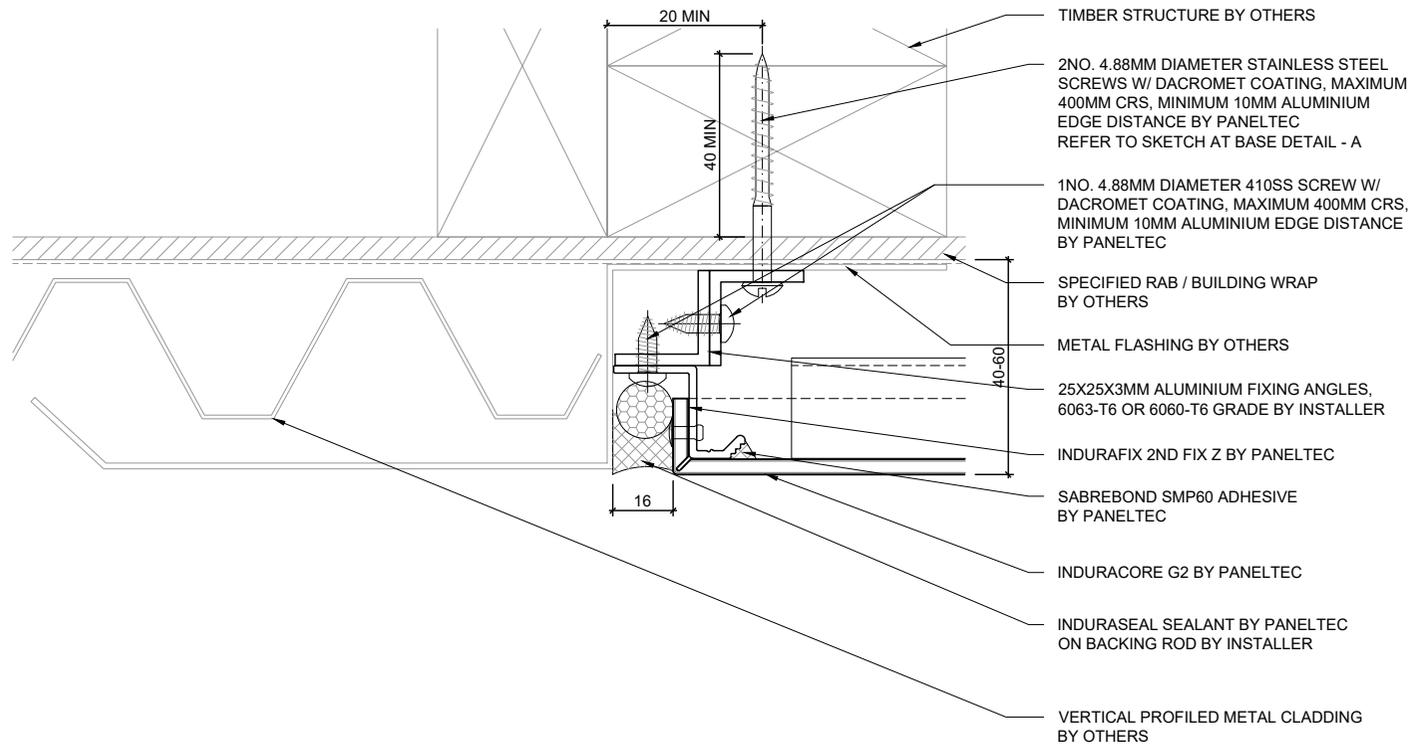


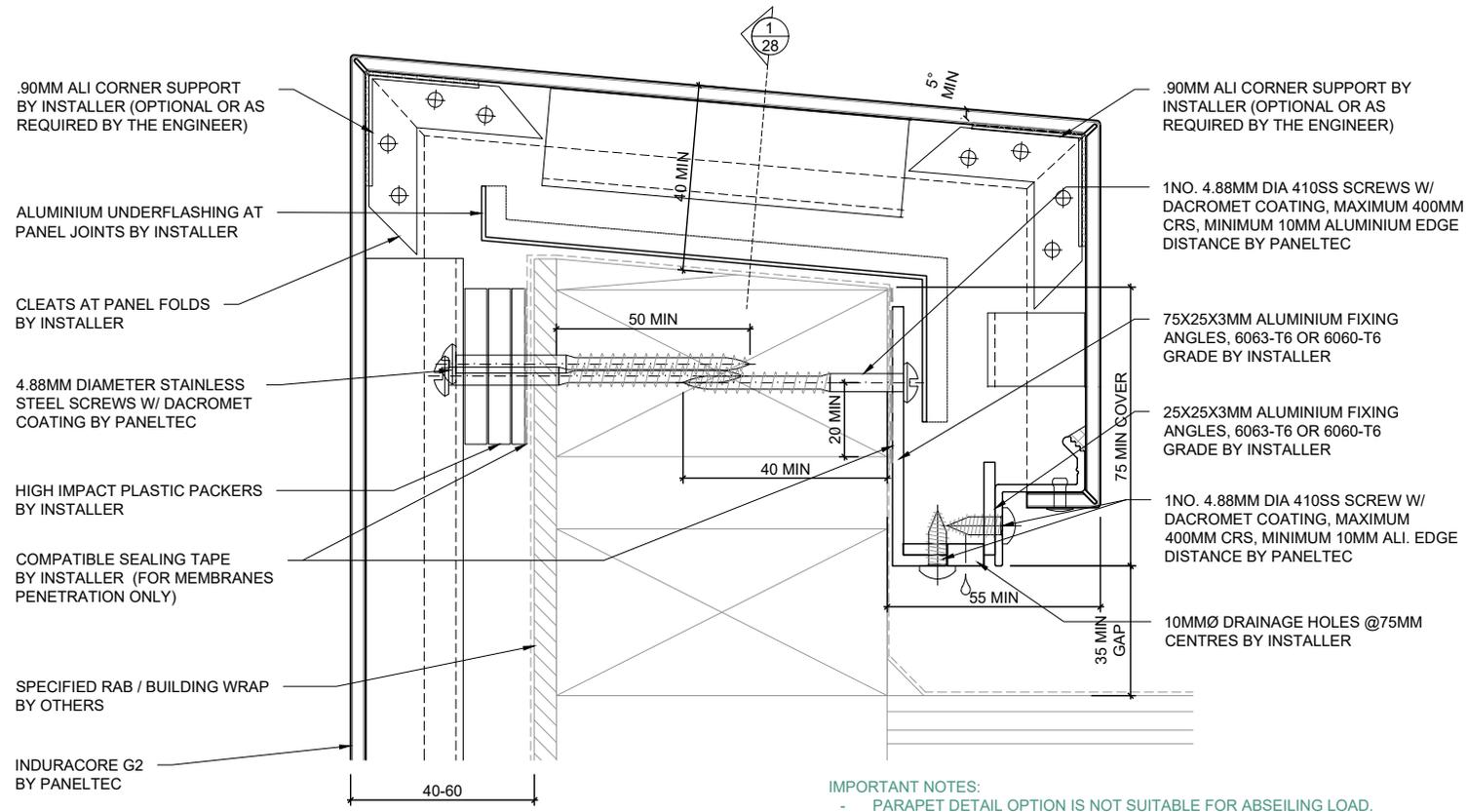


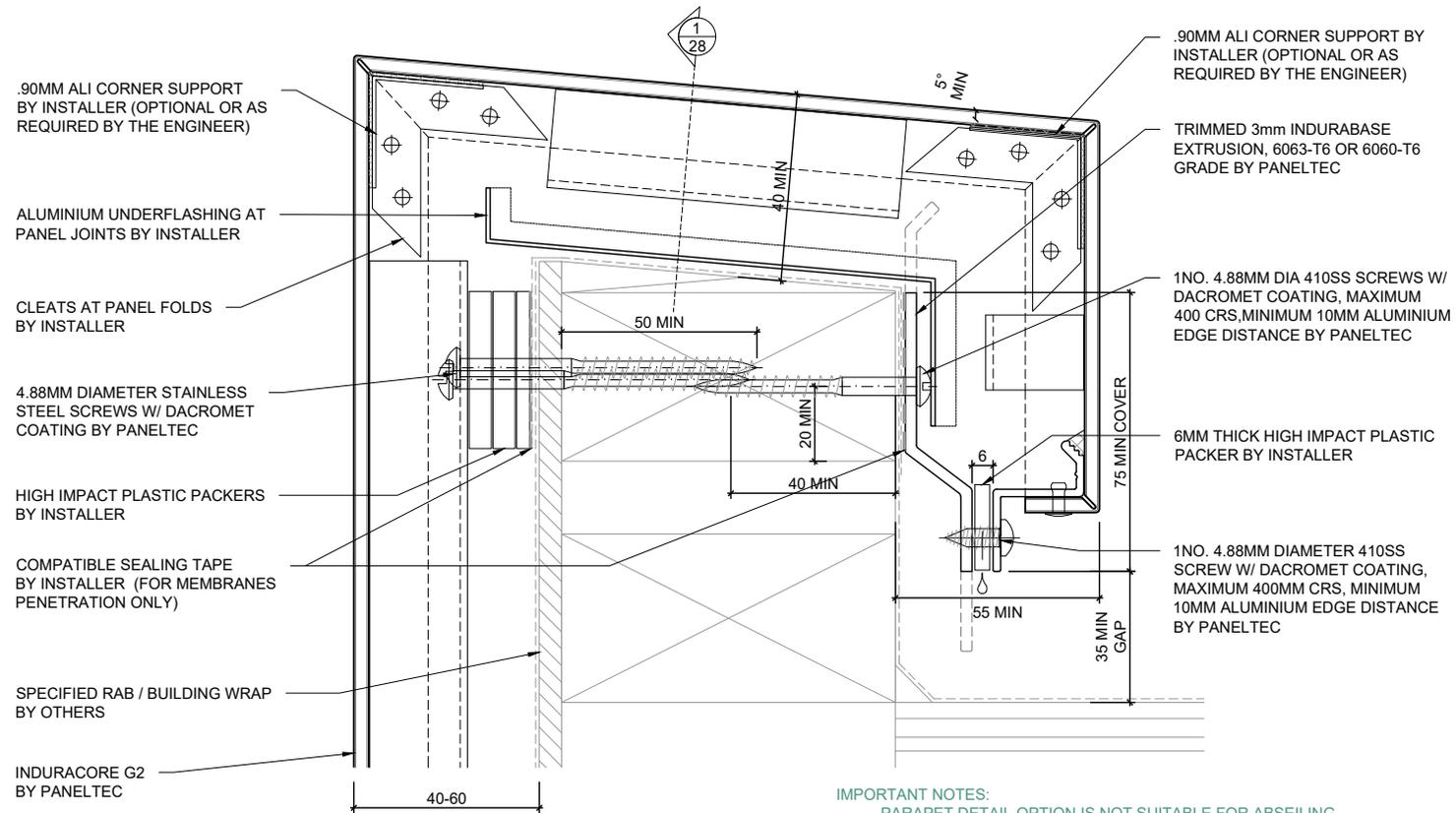






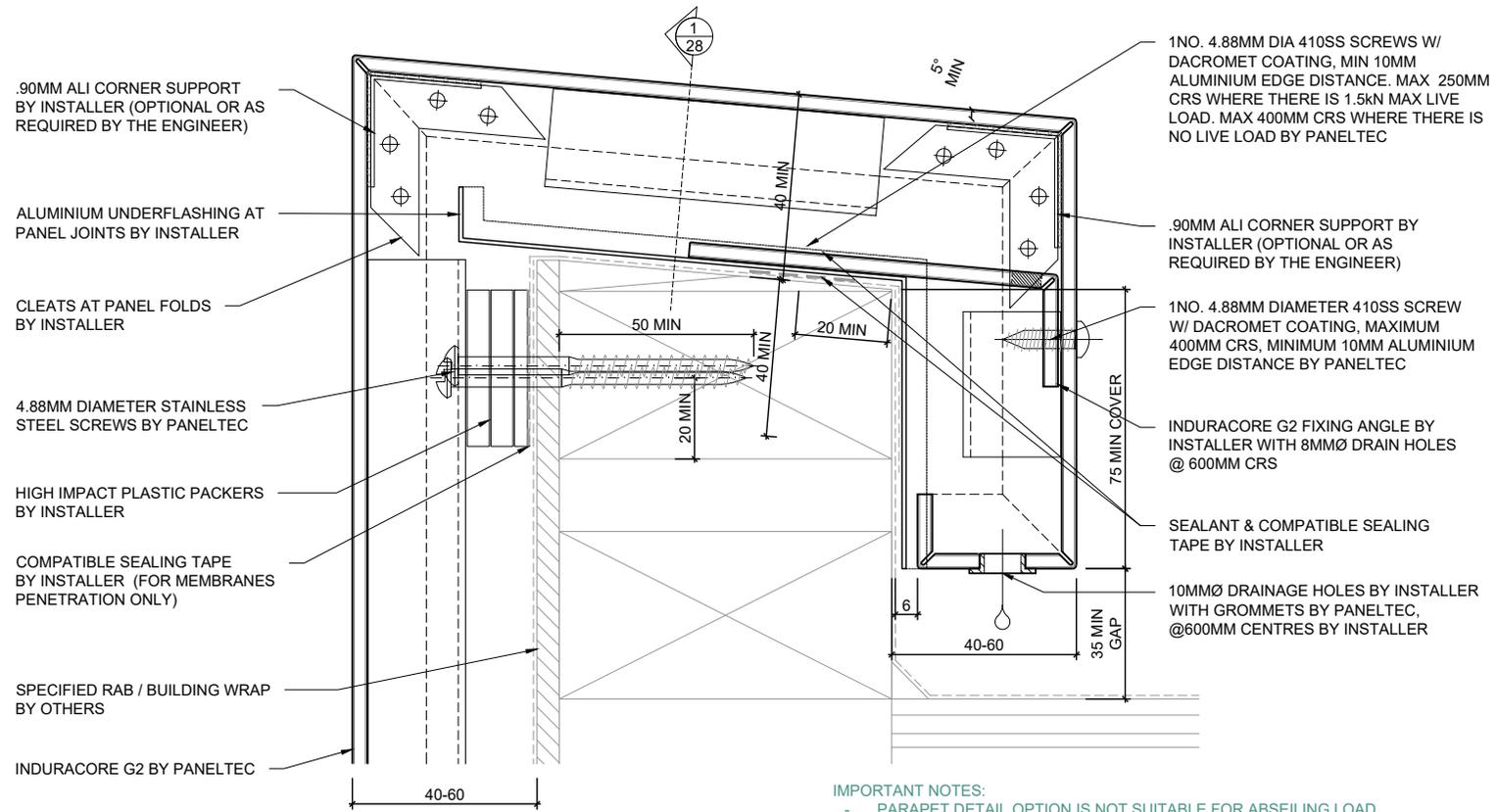




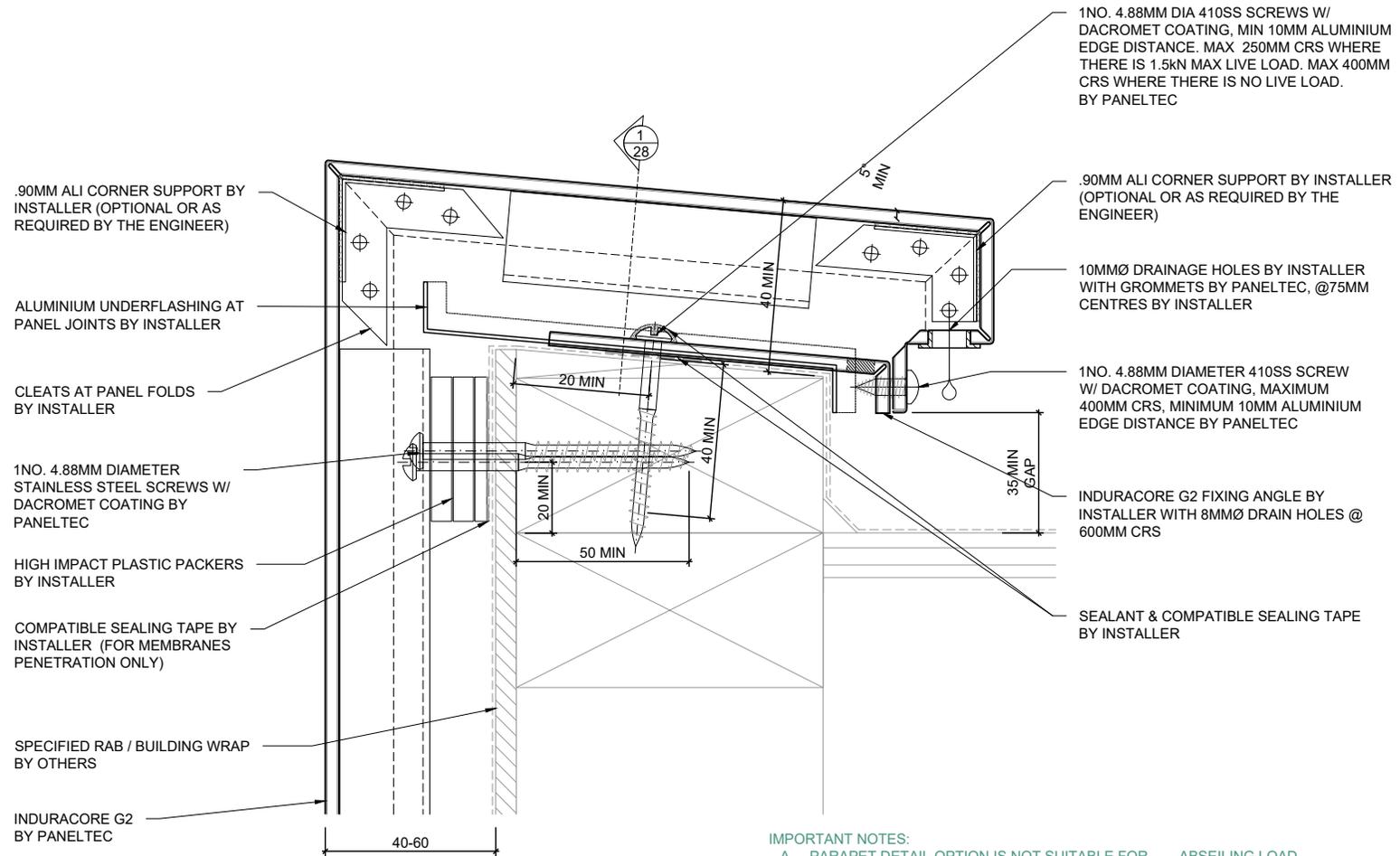


**IMPORTANT NOTES:**

- PARAPET DETAIL OPTION IS NOT SUITABLE FOR ABSEILING
- PARAPET DETAIL OPTION IS APPLICABLE ONLY WHERE THERE IS NO LIVE LOAD.

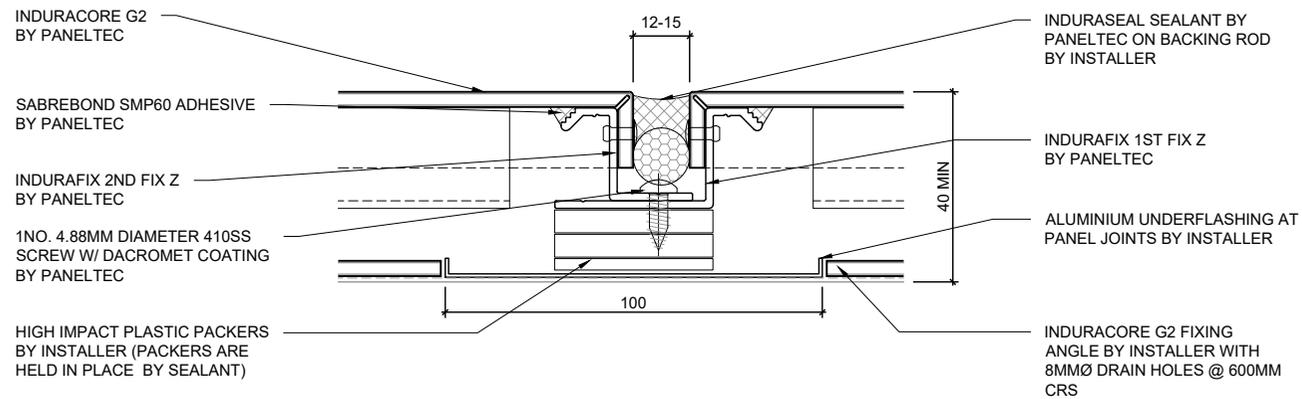


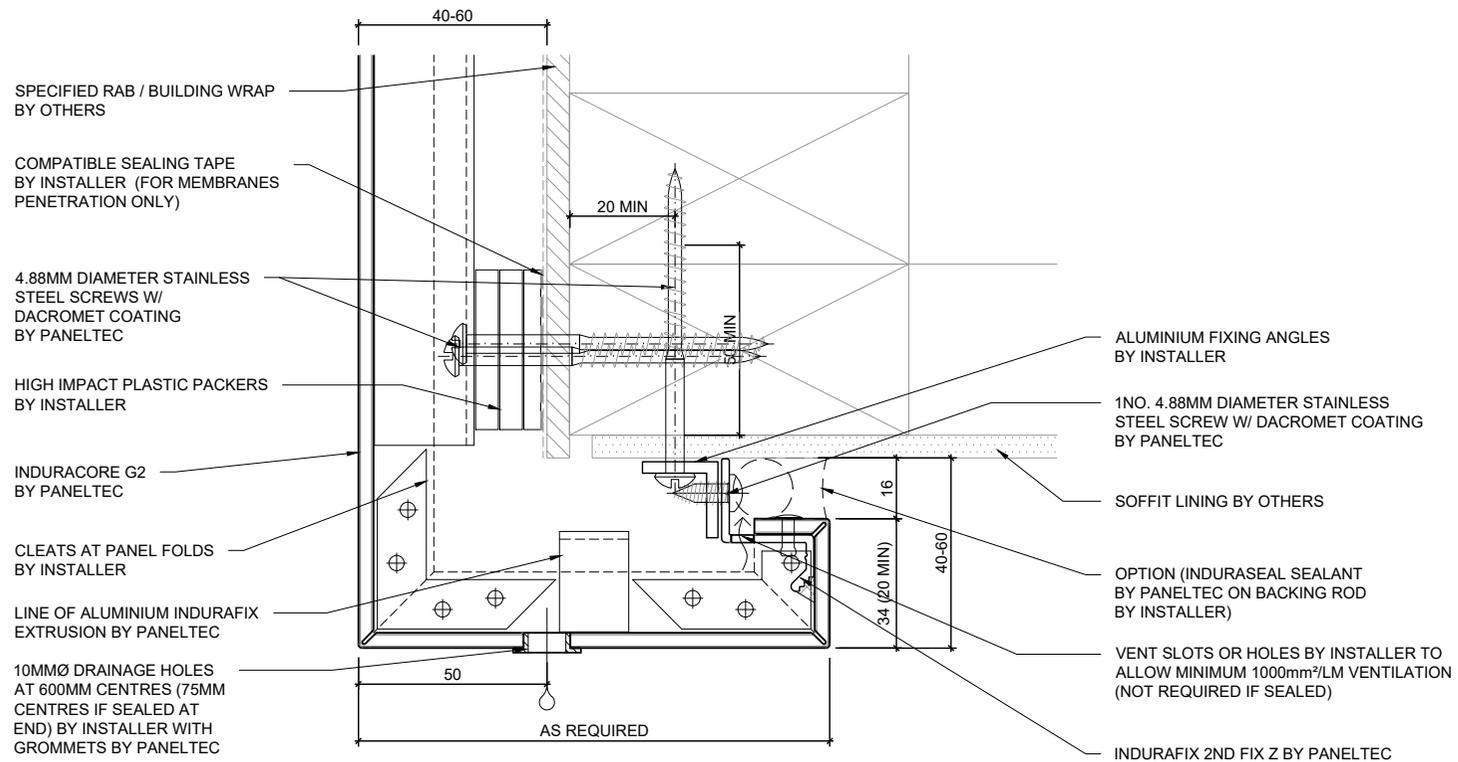
**IMPORTANT NOTES:**  
 - PARAPET DETAIL OPTION IS NOT SUITABLE FOR ABSEILING LOAD



**IMPORTANT NOTES:**

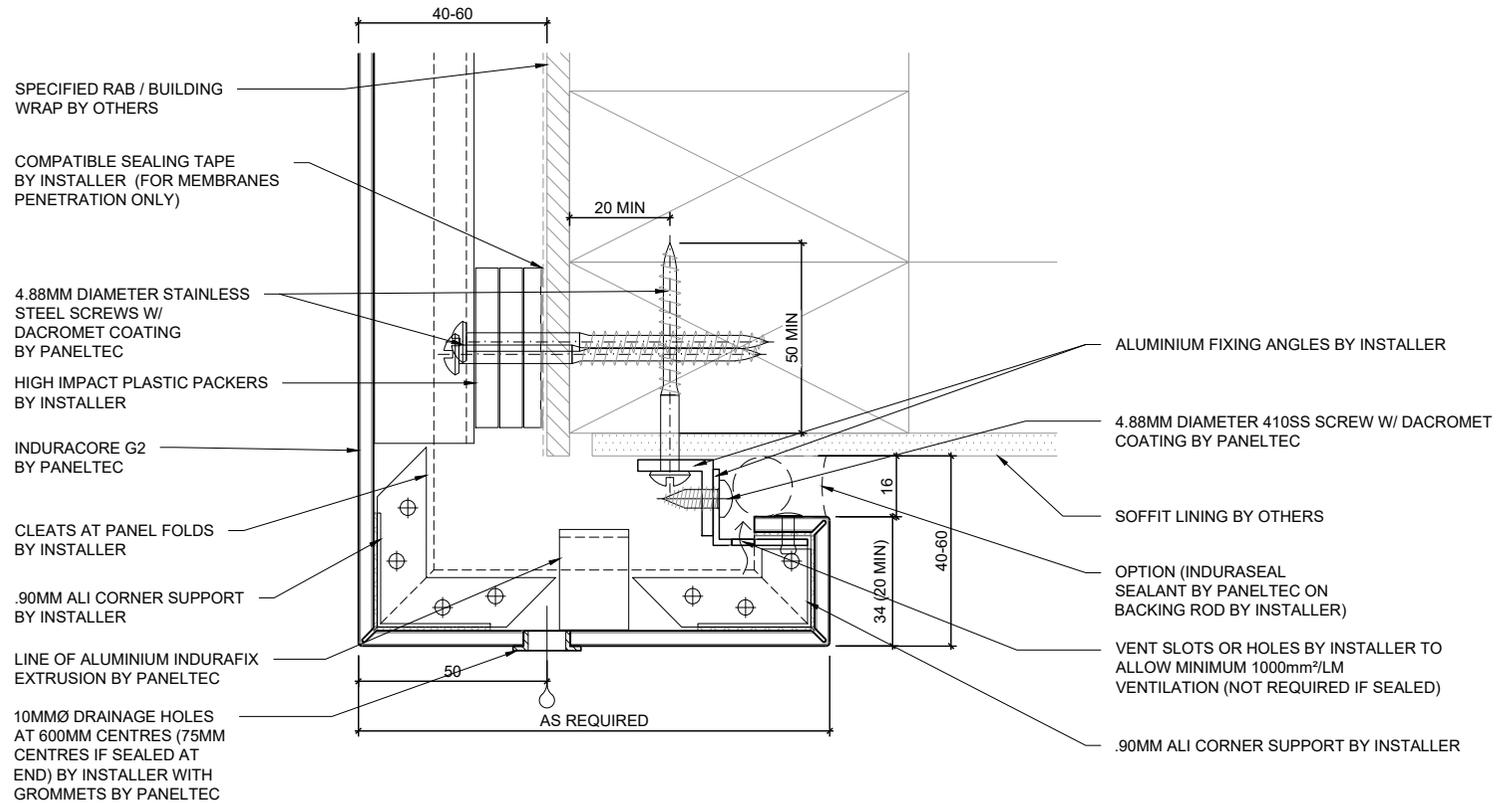
- A. PARAPET DETAIL OPTION IS NOT SUITABLE FOR ABSEILING LOAD.
- B. FOR LOW ROOF UPSTAND ONLY.
- C. THIS DETAIL DOES NOT COMPLY WITH THE BUILDING CODE REQUIREMENTS BUT MAY BE CONSIDERED AN ACCEPTABLE ALTERNATIVE SOLUTION.
- D. IT IS THE RESPONSIBILITY OF THE BUILDER OR ARCHITECT TO ENSURE THAT THIS DETAIL IS SATISFACTORY. SPECIFIC INSTRUCTIONS ARE REQUIRED FOR ITS IMPLEMENTATION.





**IMPORTANT NOTES:**

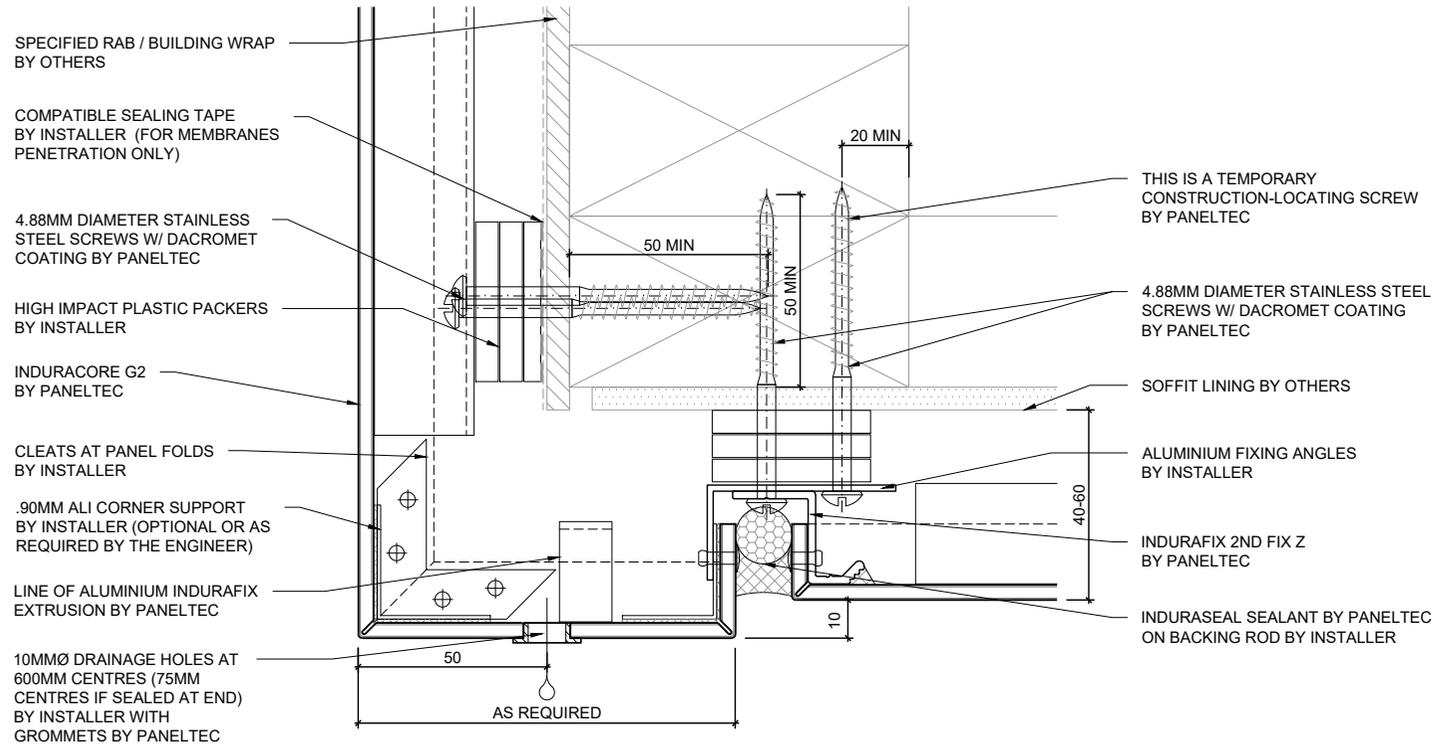
- RECOMMENDED TO HAVE THE PANEL BOTTOM SLOPING @1.5° TOWARDS THE SIDE WHERE THE DRAIN HOLE IS LOCATED TO AVOID RISK OF PONDING.



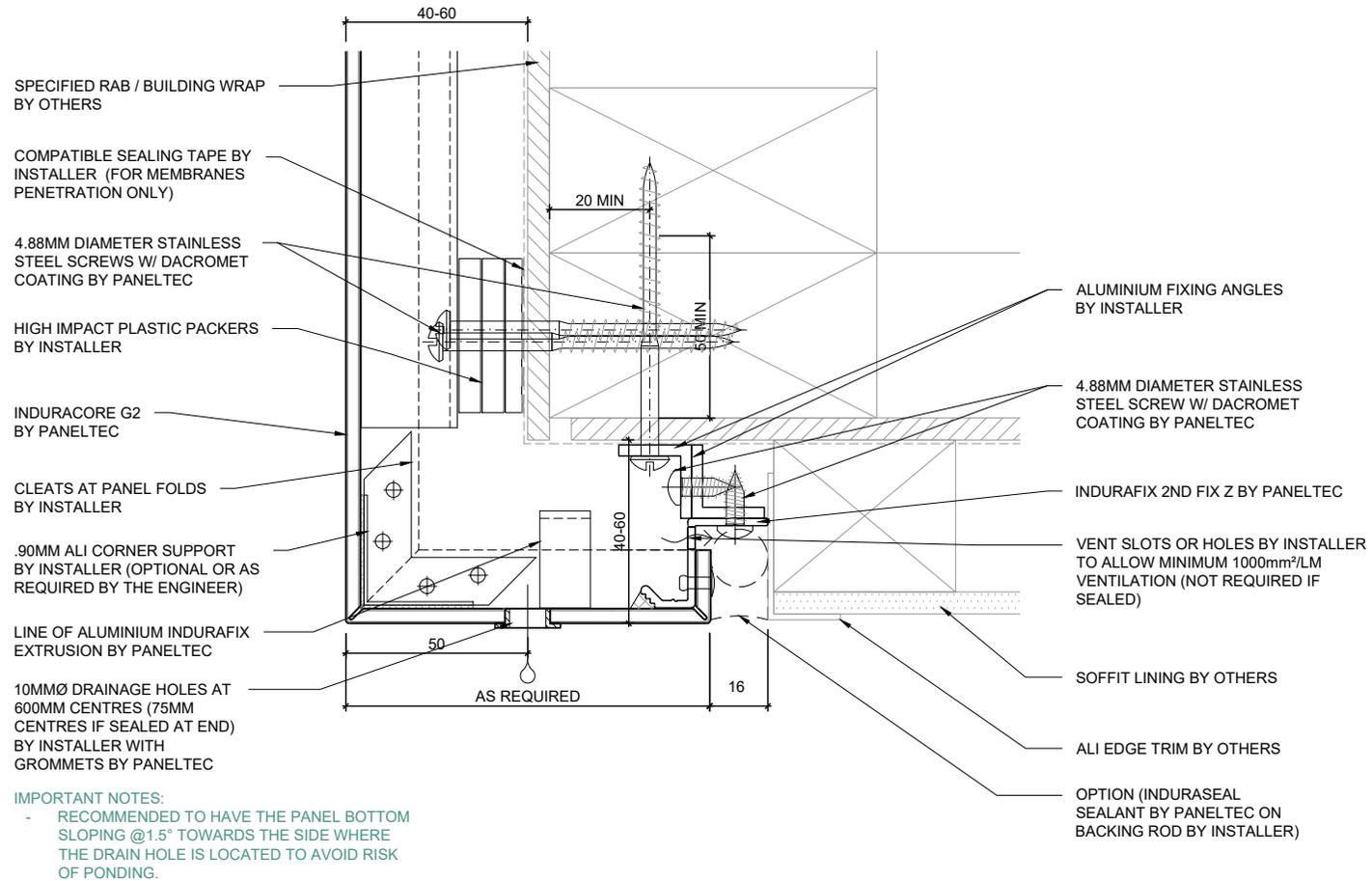
**IMPORTANT NOTES:**

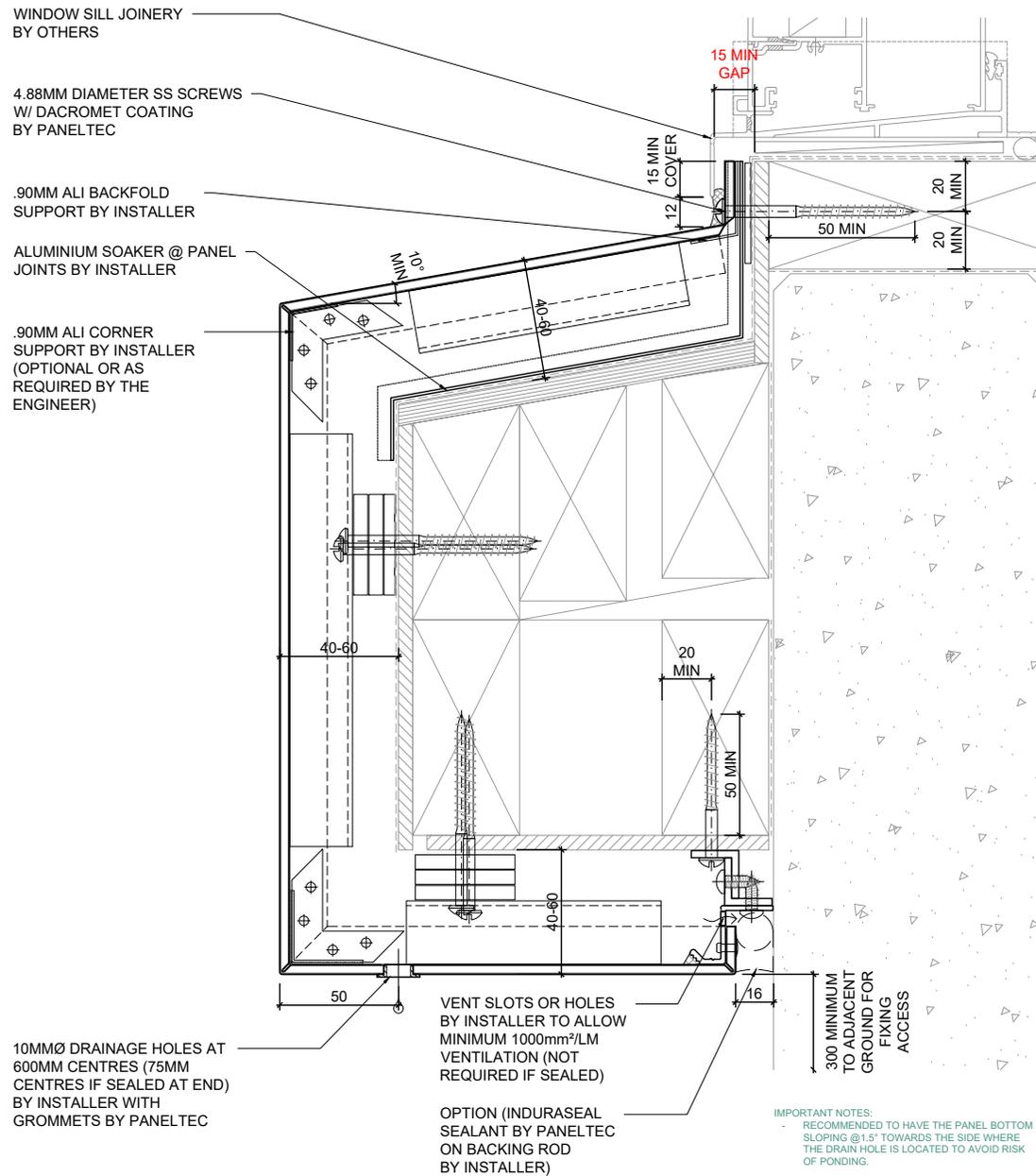
- RECOMMENDED TO HAVE THE PANEL BOTTOM SLOPING @1.5° TOWARDS THE SIDE WHERE THE DRAIN HOLE IS LOCATED TO AVOID RISK OF PONDING.

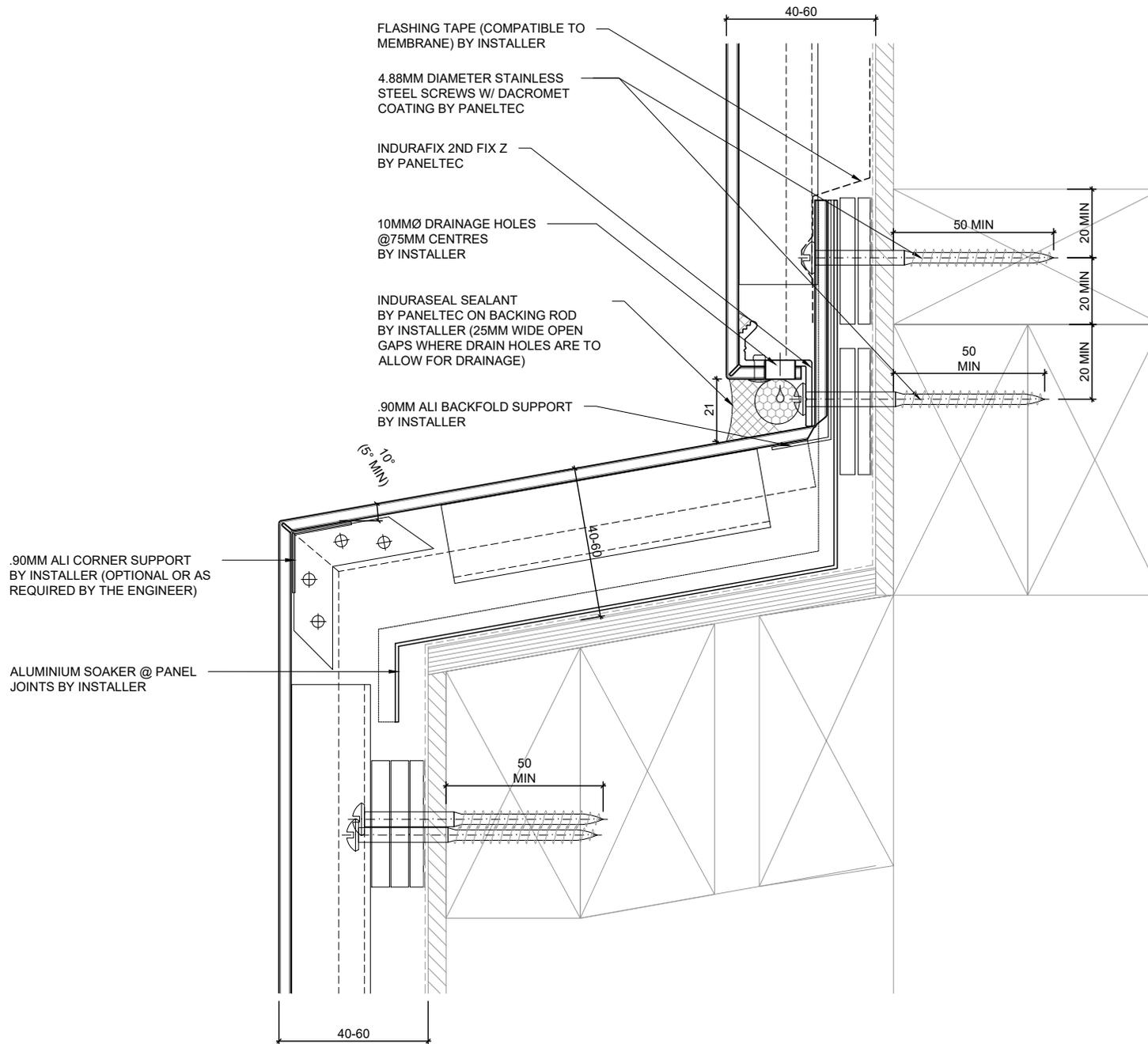


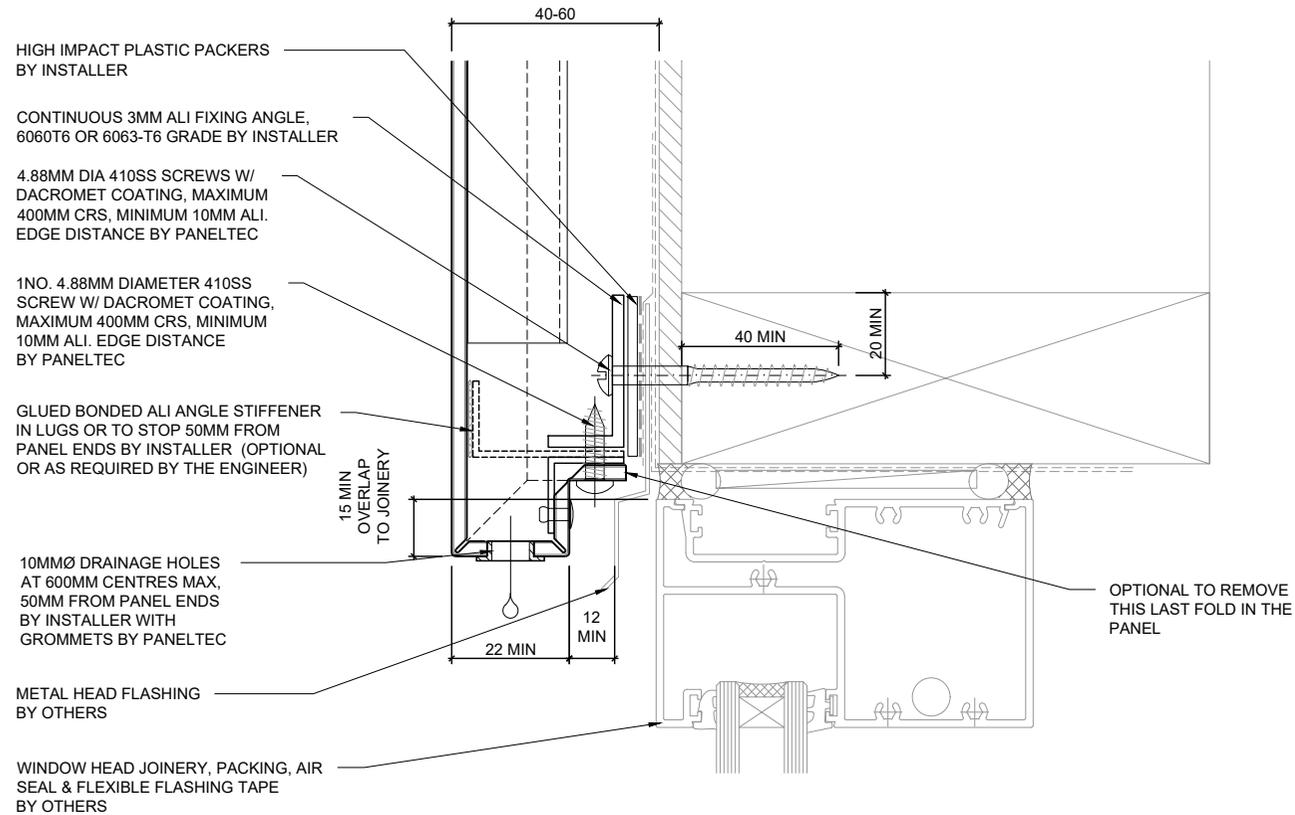


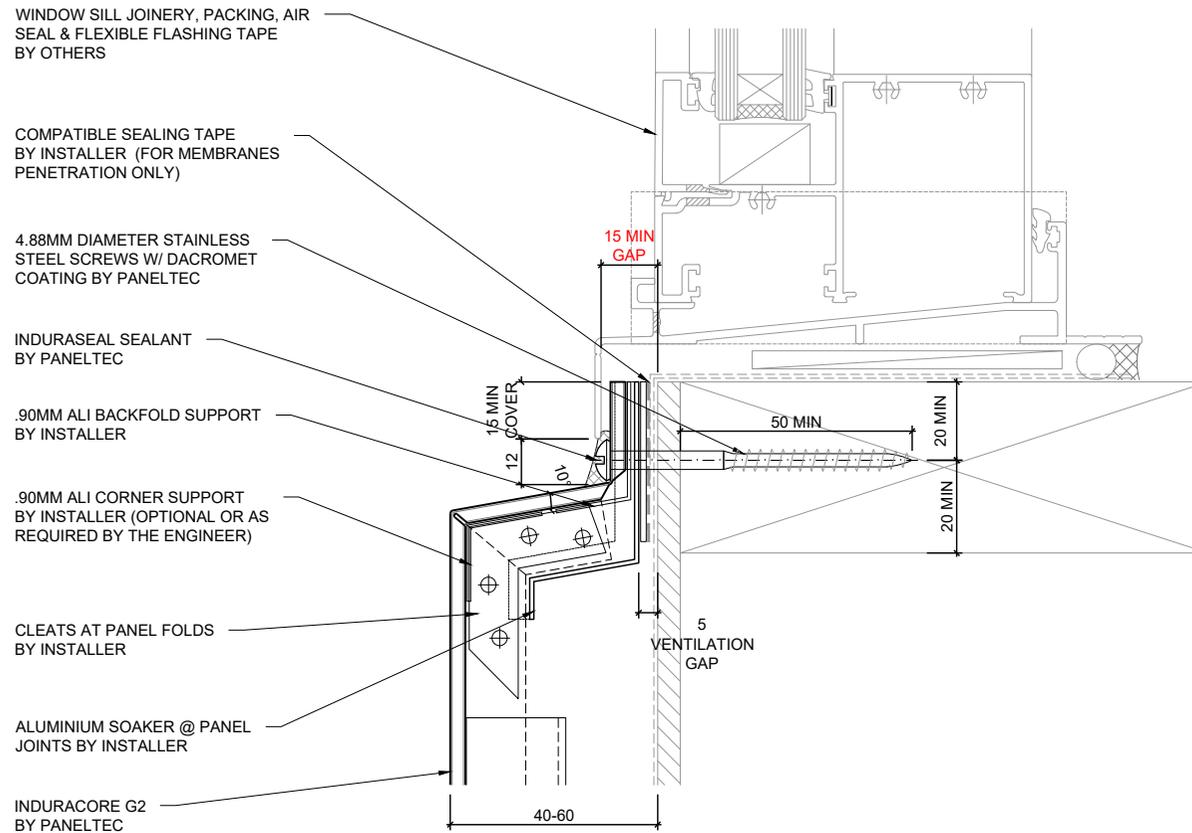
**IMPORTANT NOTES:**  
 - RECOMMENDED TO HAVE THE PANEL BOTTOM SLOPING @1.5° TOWARDS THE SIDE WHERE THE DRAIN HOLE IS LOCATED TO AVOID RISK OF PONDING.

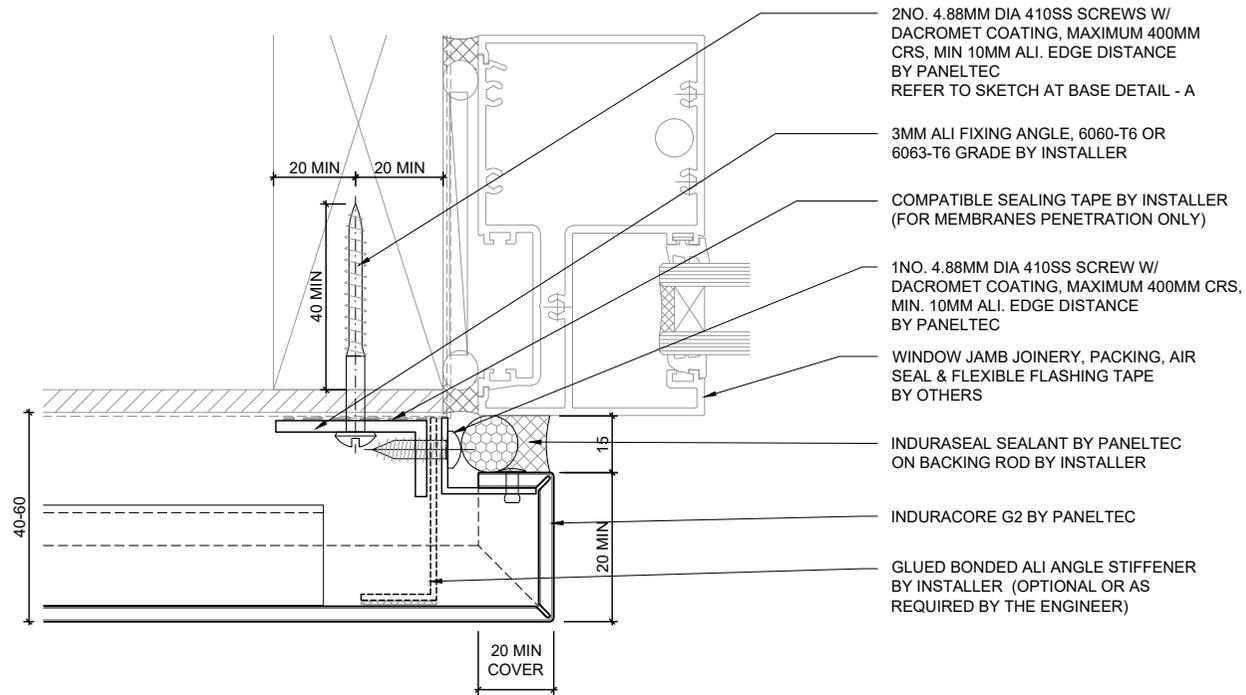


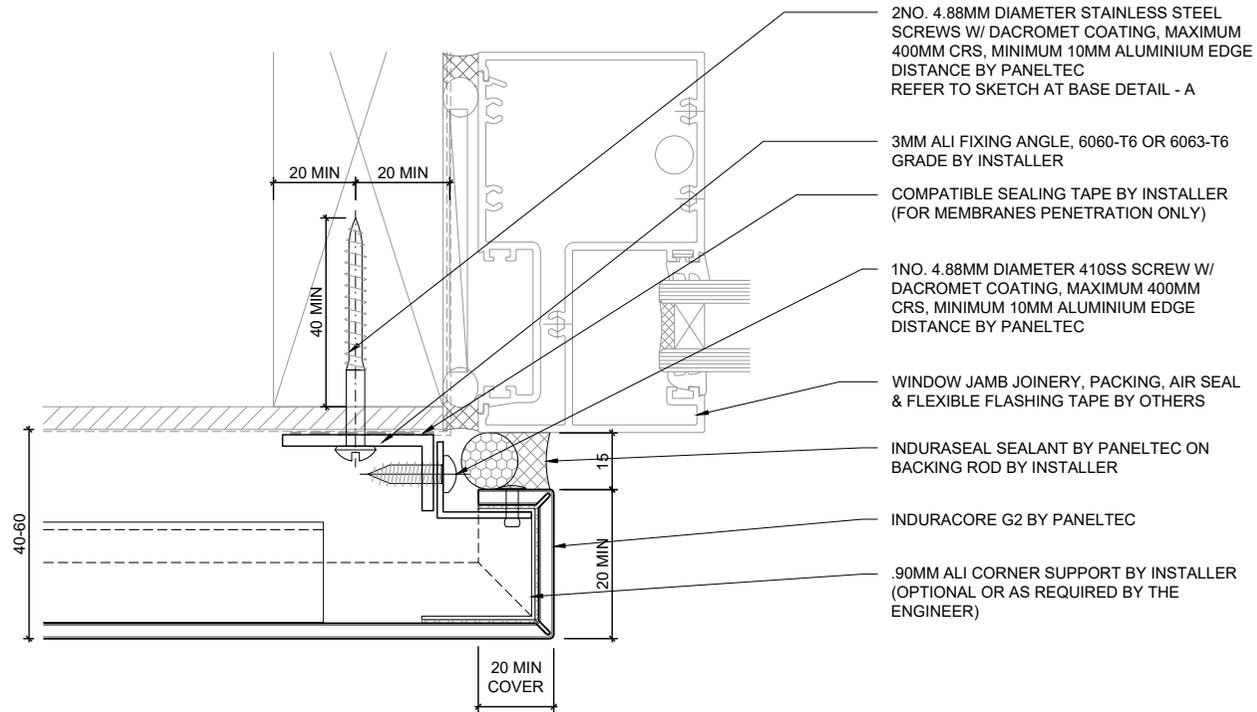


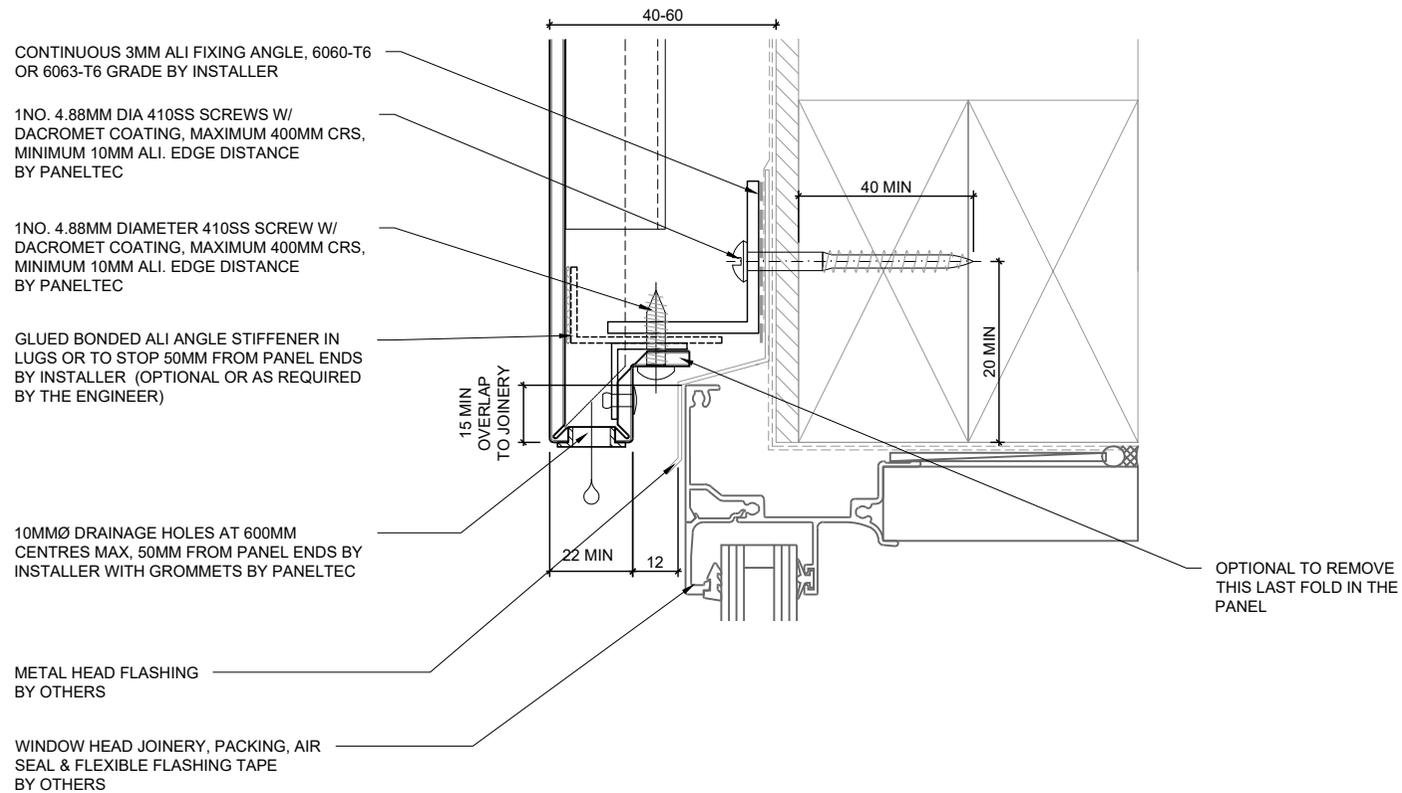


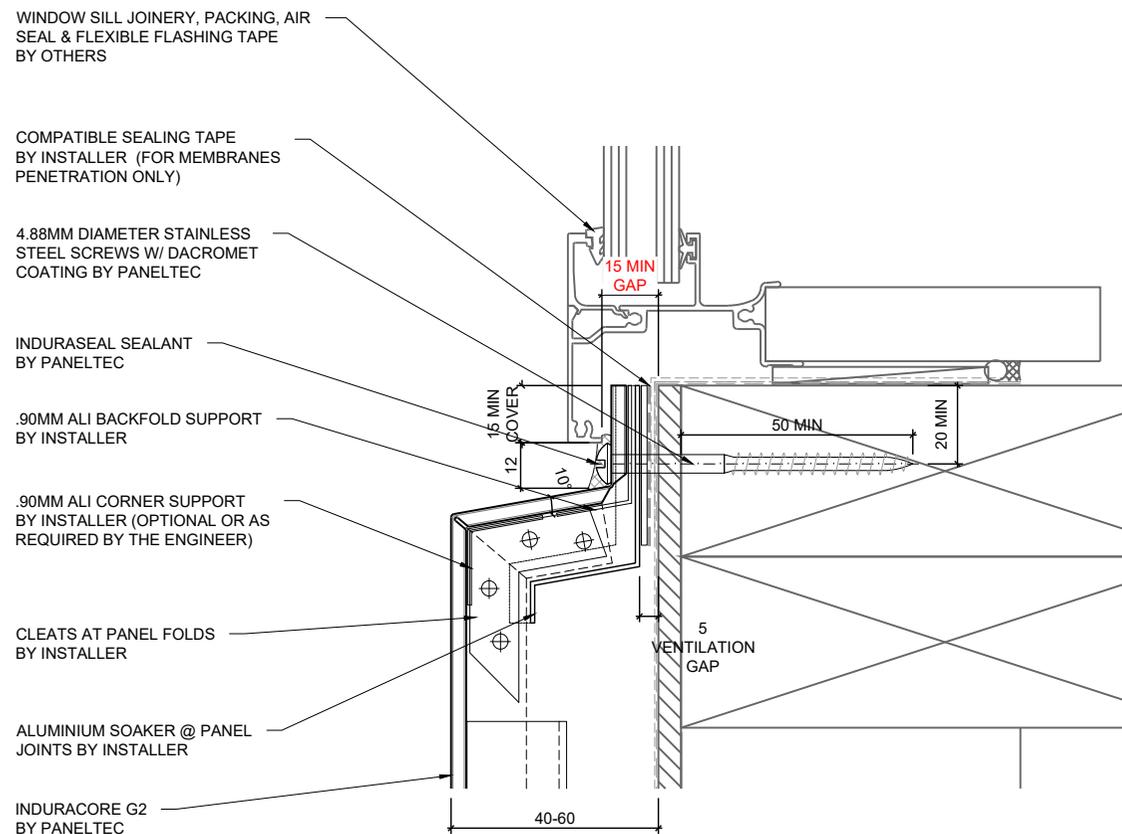


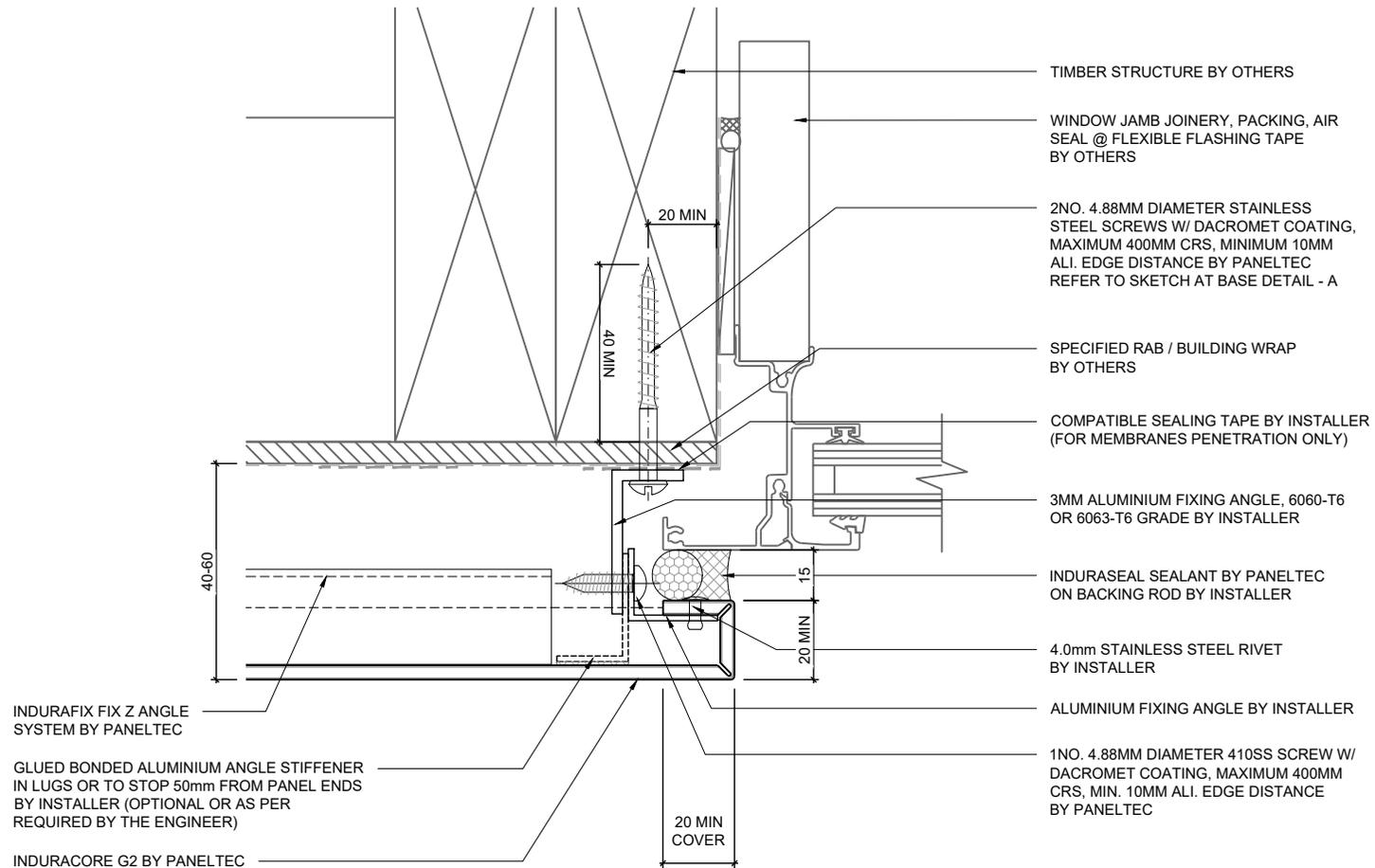


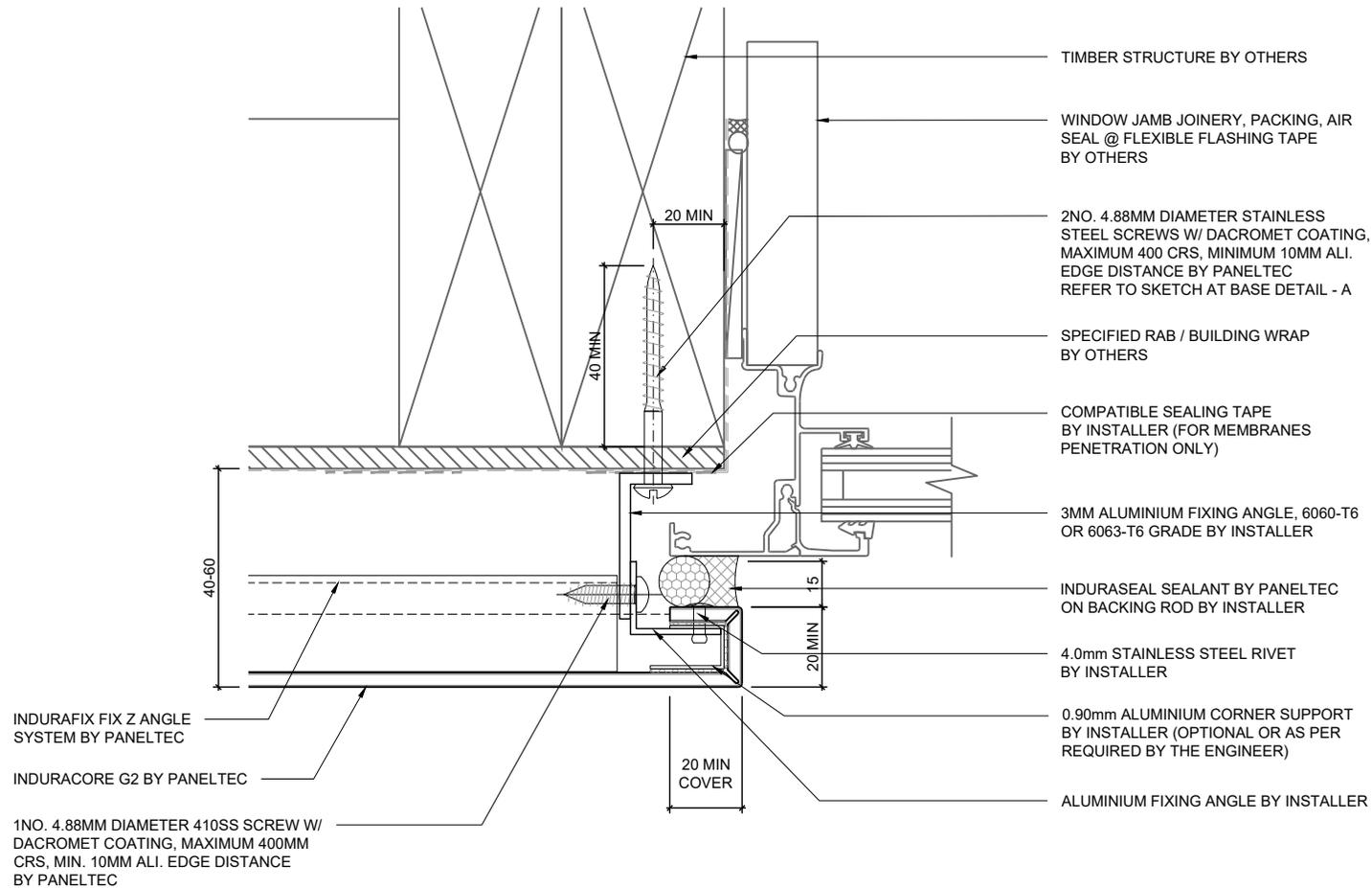


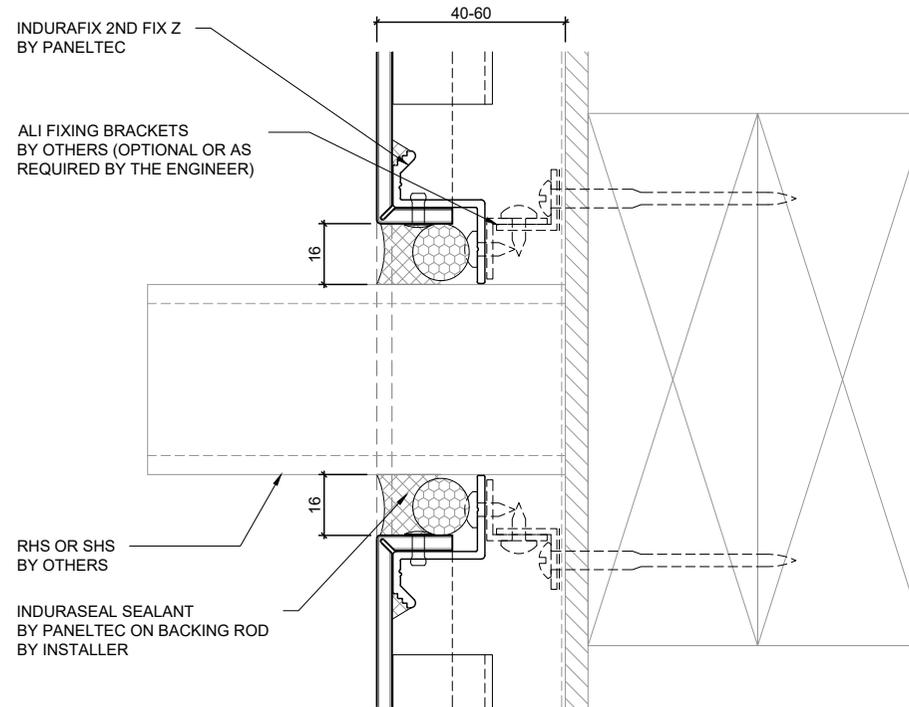


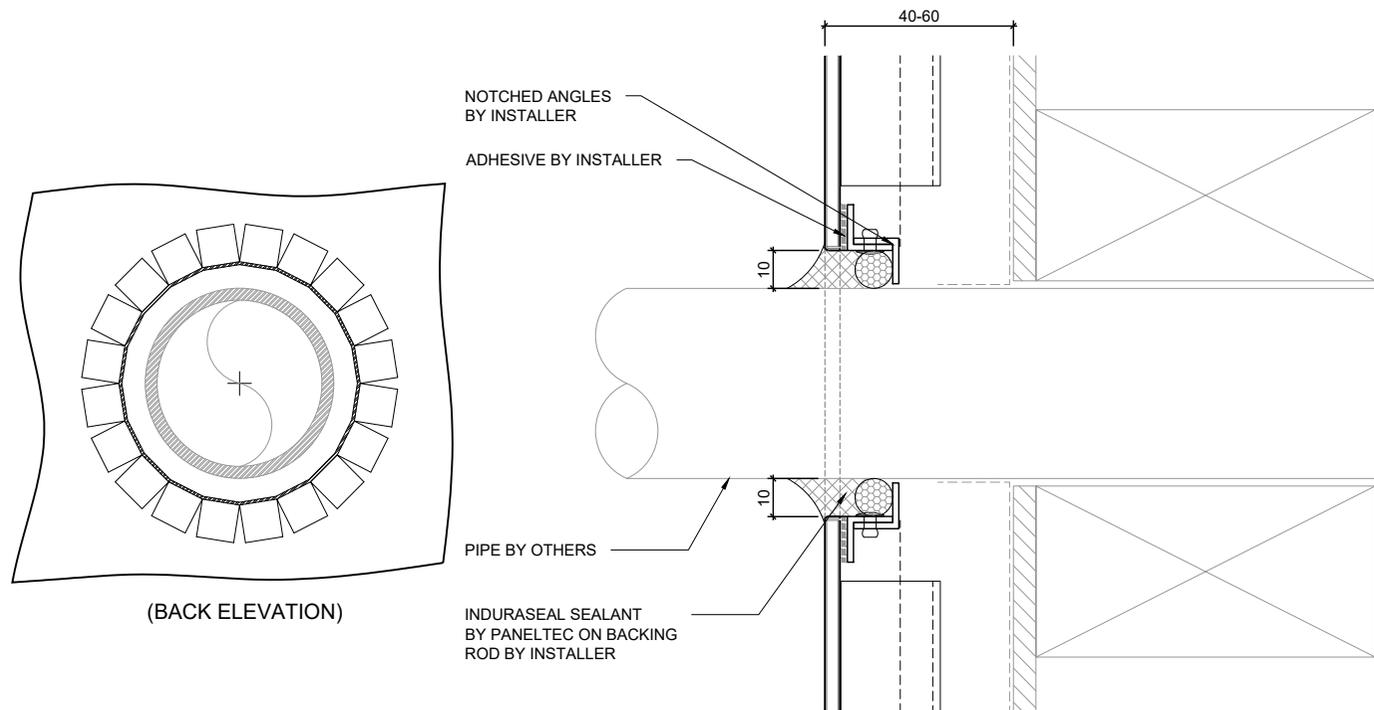


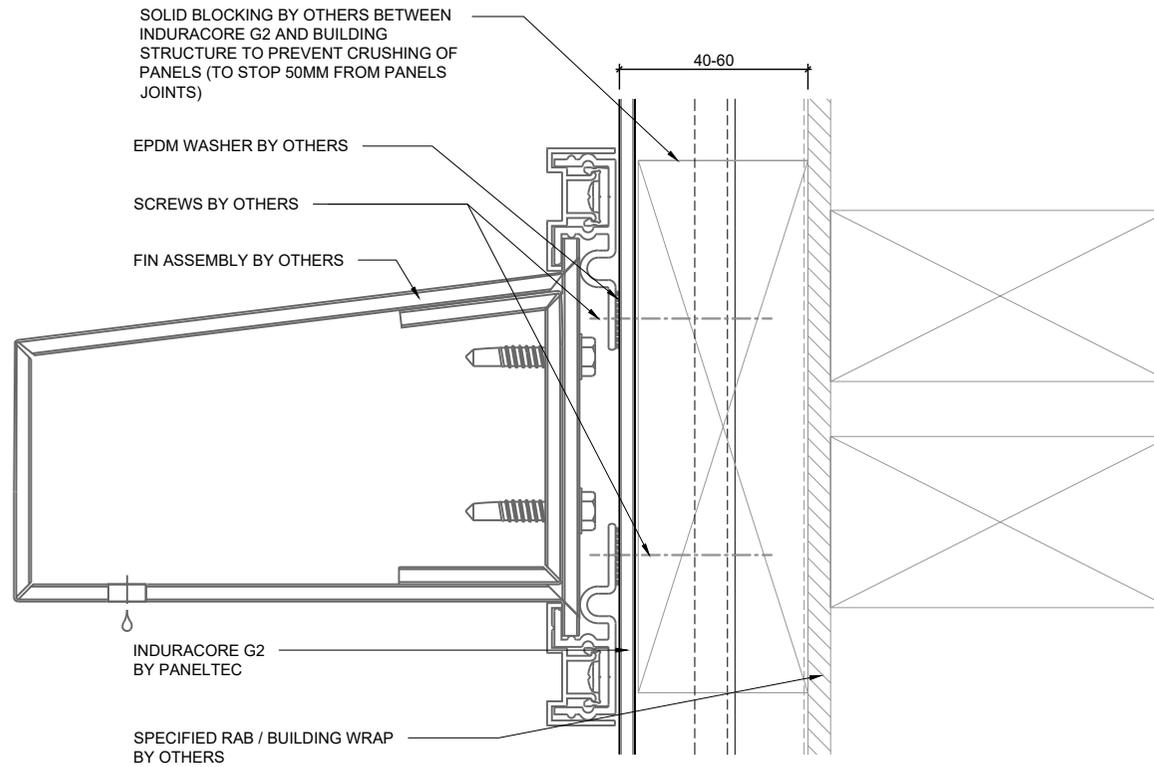


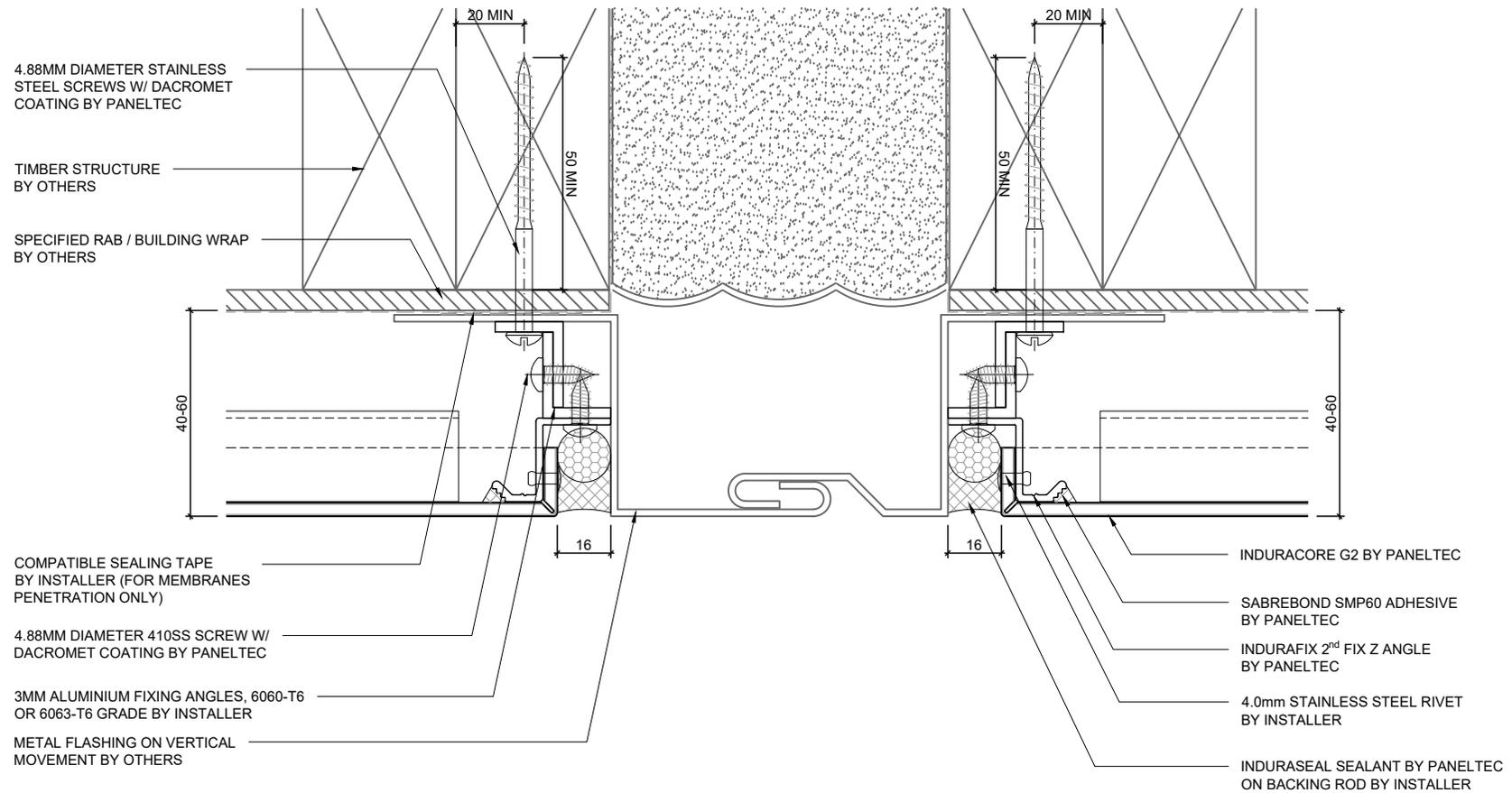


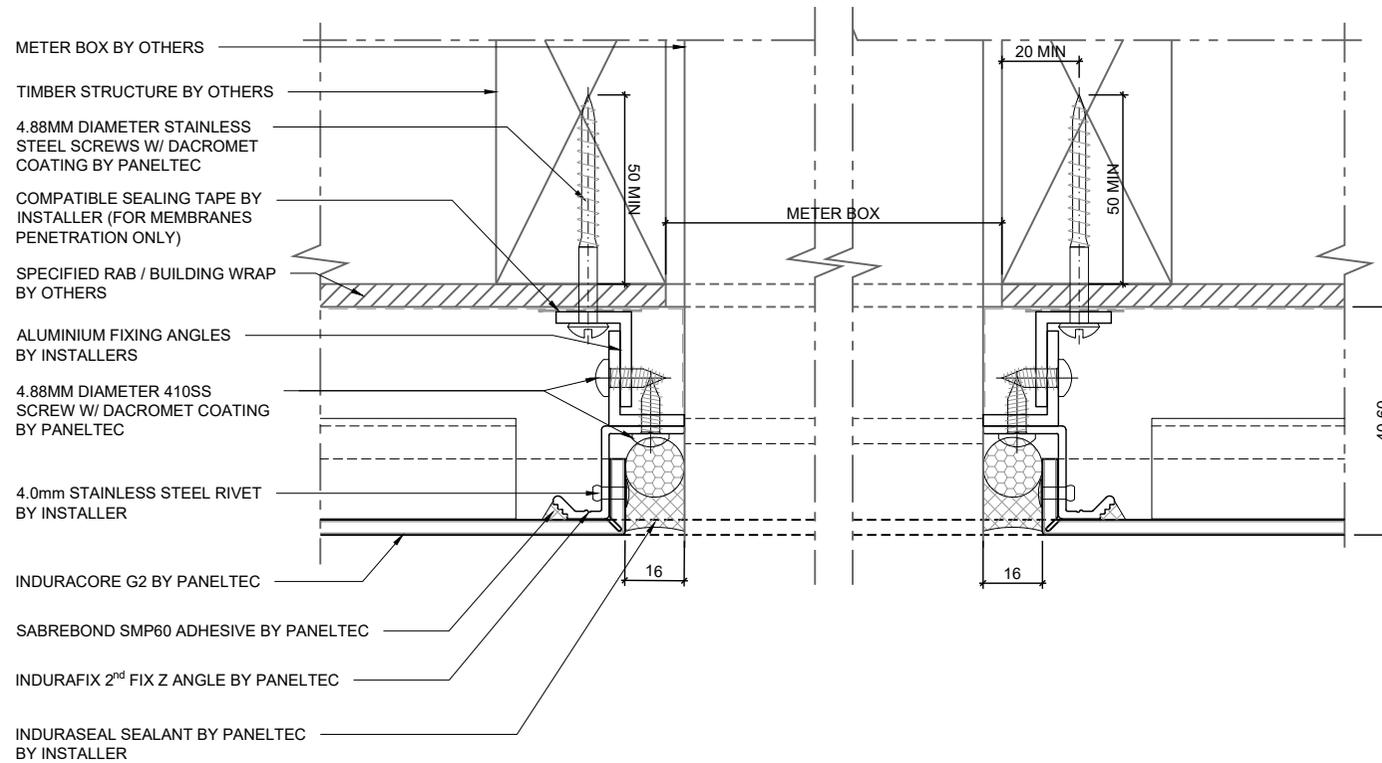


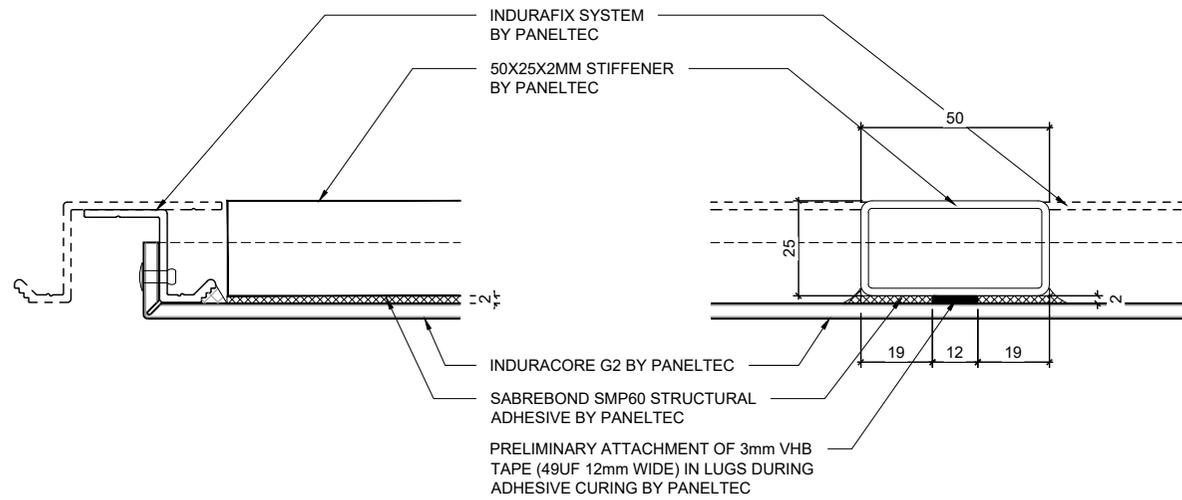












FIXING OF STIFFENER TO INDURACORE G2 LEG

CUT THROUGH STIFFENER



**Auckland Office**  
5 Piermark Drive  
Rosedale  
Auckland 0632  
0508 726 358

**Head Office**  
10 Mako Street,  
Dargaville  
09 439 4357

[info@paneltec.co.nz](mailto:info@paneltec.co.nz)  
[www.paneltec.co.nz](http://www.paneltec.co.nz)

 **Paneltec**  
NEW ZEALAND LTD