

Induraplate

SOLID ALUMINIUM PANELS

Tophat Fixing System

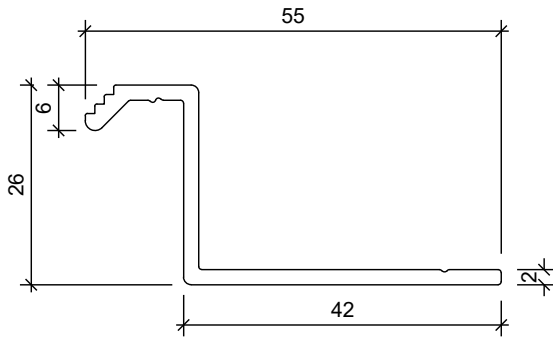
Version 2.5
January 2025

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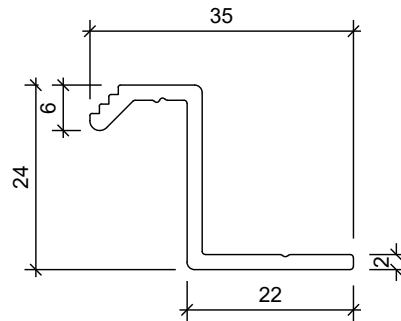
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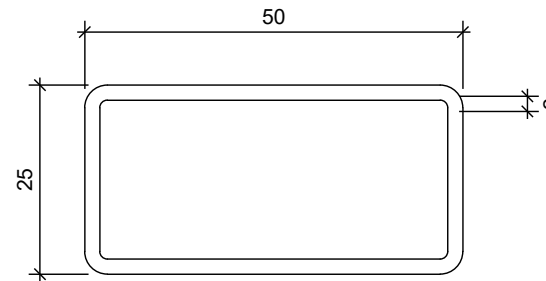
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Indurafix High Z-Angle (First Fix)
Alloy & Temper: 6060-T6
Colour: Mill Finish



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

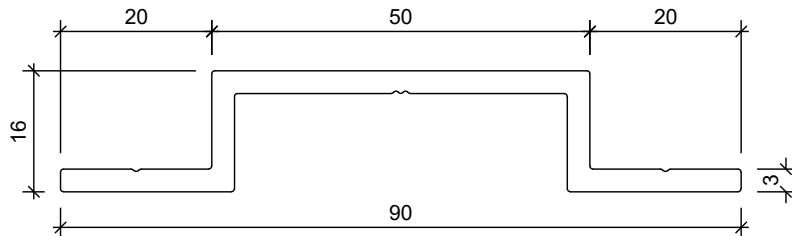


RHS Stiffener 50X25X2mm
Alloy & Temper: 6060-T6
Colour: Mill Finish
Adhesive Glue: Minimum 2mm thick & minimum 50mm wide strip of Sabrebond SMP60
Alignment: Stiffener to be parallel to short edge

Fixing Requirement of First & Second Fix Z-Angle to Top Hat

Proposed Fastener Diameter: 4.88MM Screw
Minimum Aluminium Edge Distance: 7.32MM

For more information refer to the INDURAPLATE Aluminium Laminated Panels (Top Hat) Engineering Judgement



16mm TOP HAT EXTRUSION
Alloy & Temper: 6060-T6
Colour: Mill Finish

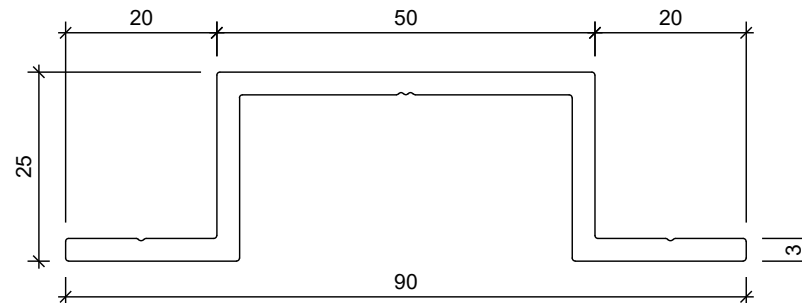
Fixing Requirements

- Top Hat to Timber Substrate**
Proposed Fastener Diameter: 4.88mmØ
No. of Fastener: 2
Minimum Timber Embedment Depth: 40mm
Minimum Aluminium Edge Distance: 10mm
Minimum Timber Edge Distance: 20mm
- TopHat to Steel Stud Substrate**
Proposed Fastener Diameter: 5.59mm
No. of Fastener: 2
Minimum Aluminium Edge Distance: 12mm
Minimum Steel Edge Distance: 12mm
- TopHat to Concrete Substrate**
Proposed Fastener: M6 Hilti HUS4-HR or M6 Anzor AnchorMark G316SS
No. of Fastener: 2
Minimum Concrete Embedment: 55mm
Minimum Concrete Edge Distance: 50mm
Minimum Aluminium Edge Distance: 12mm

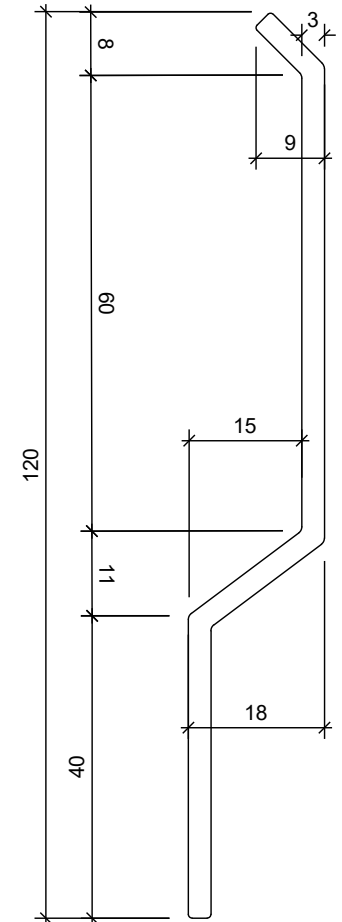
For more information refer to the Induraplate Solid 3.0mm Aluminium Panel (Top Hat) Engineering Judgement.
Structure shown on the typical details are on timber framing. Fixing system can also be applied on steel framing.

Fire Cavity Barrier (By Others)

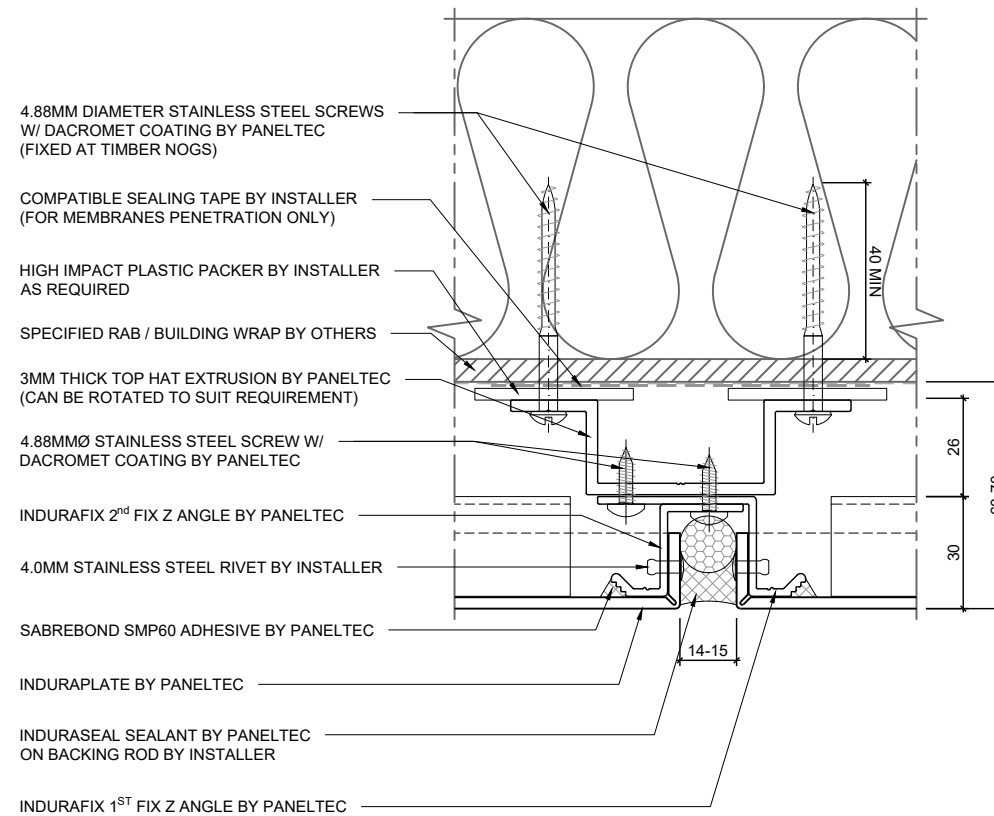
- Ryanfire Intuspan Fire Cavity Barrier or equivalent, where required, to be installed in accordance with C/AS2

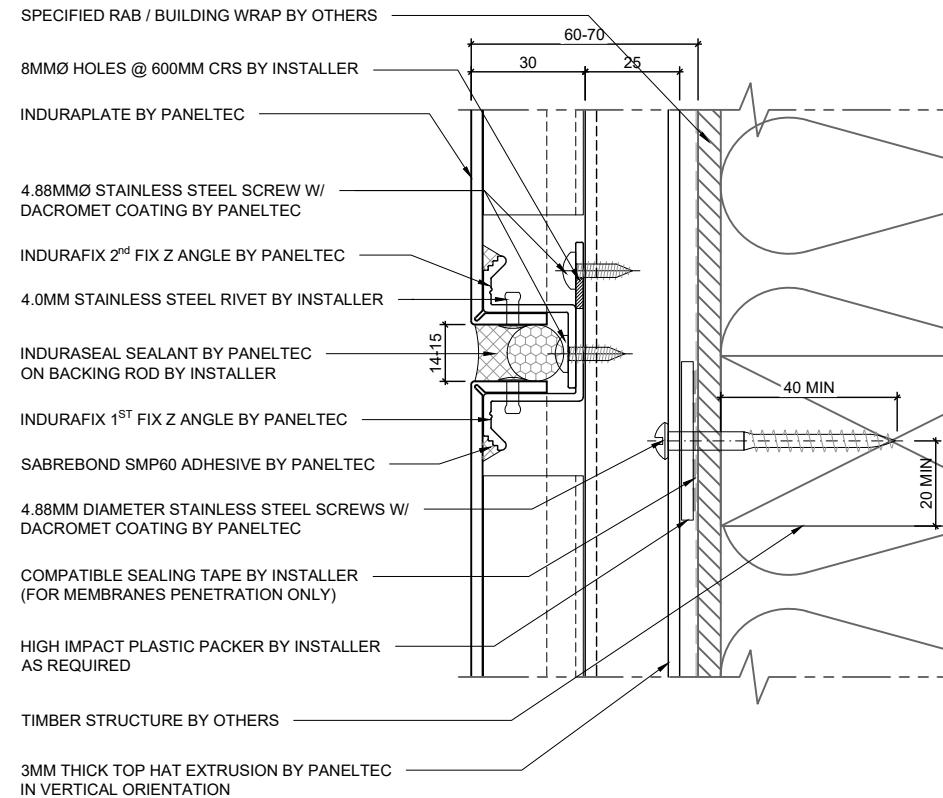


25mm TOP HAT EXTRUSION
Alloy & Temper: 6060-T6
Colour: Mill Finish



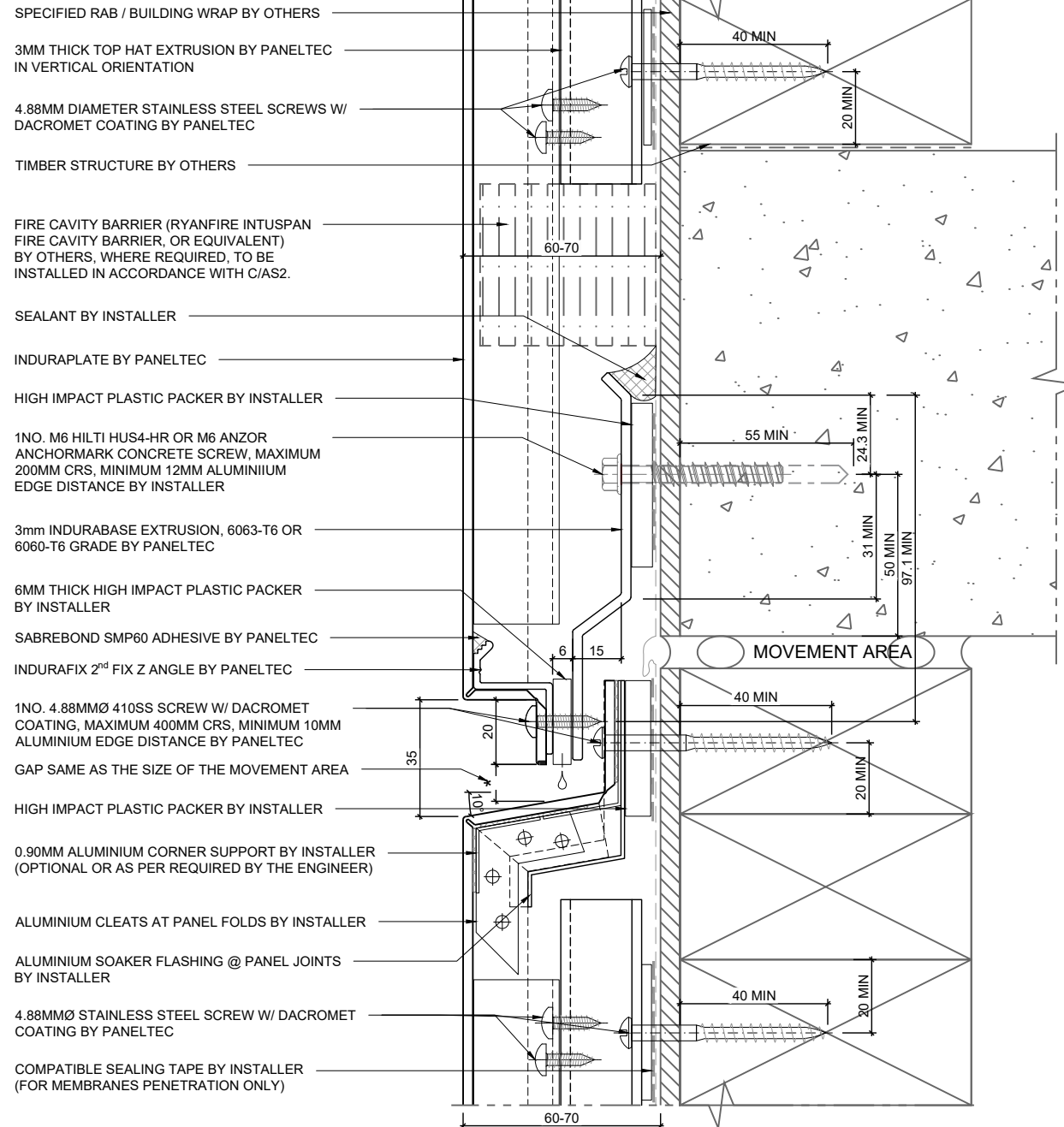
Indurabase Extrusion
Alloy & Temper: 6060-T6
Colour: Mill Finish

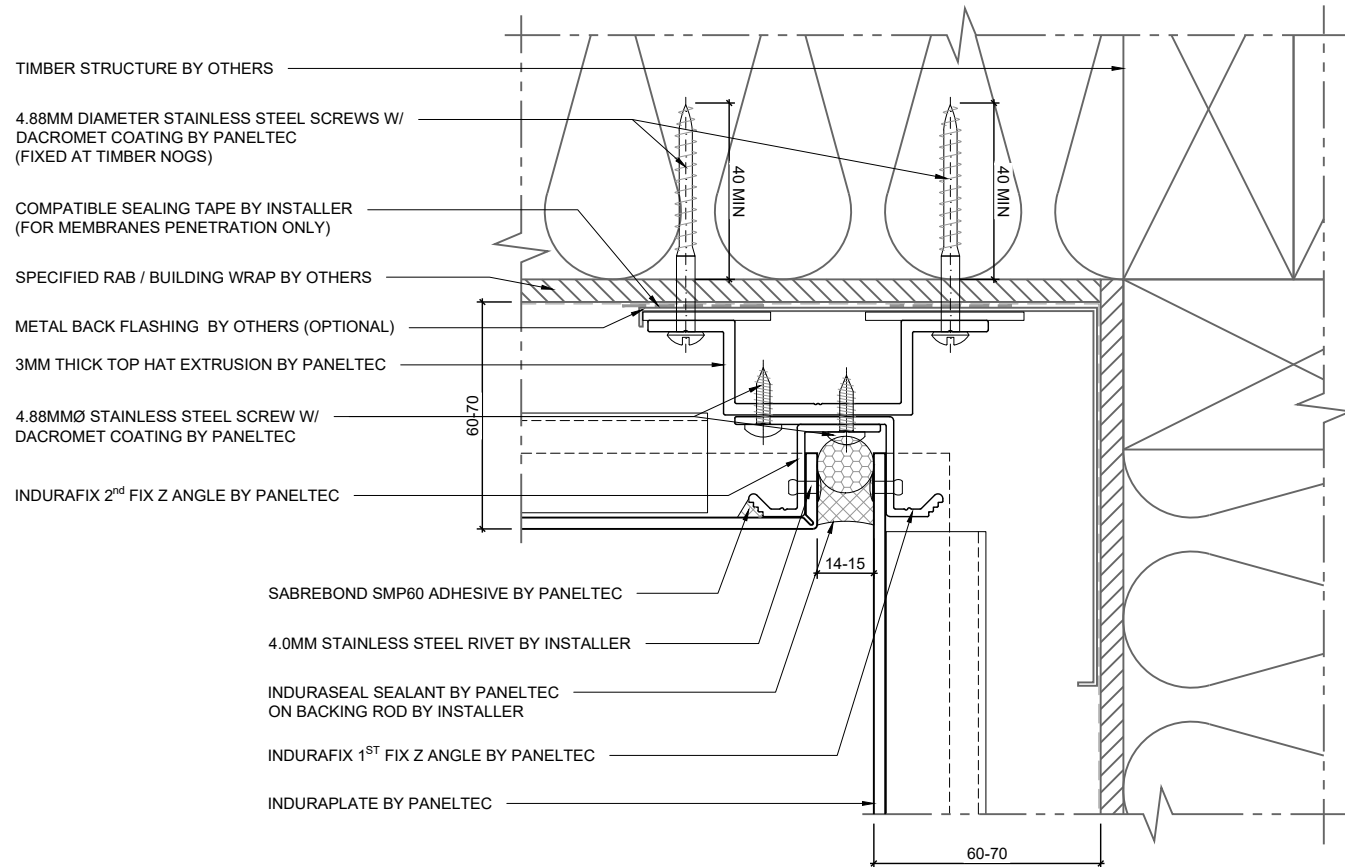


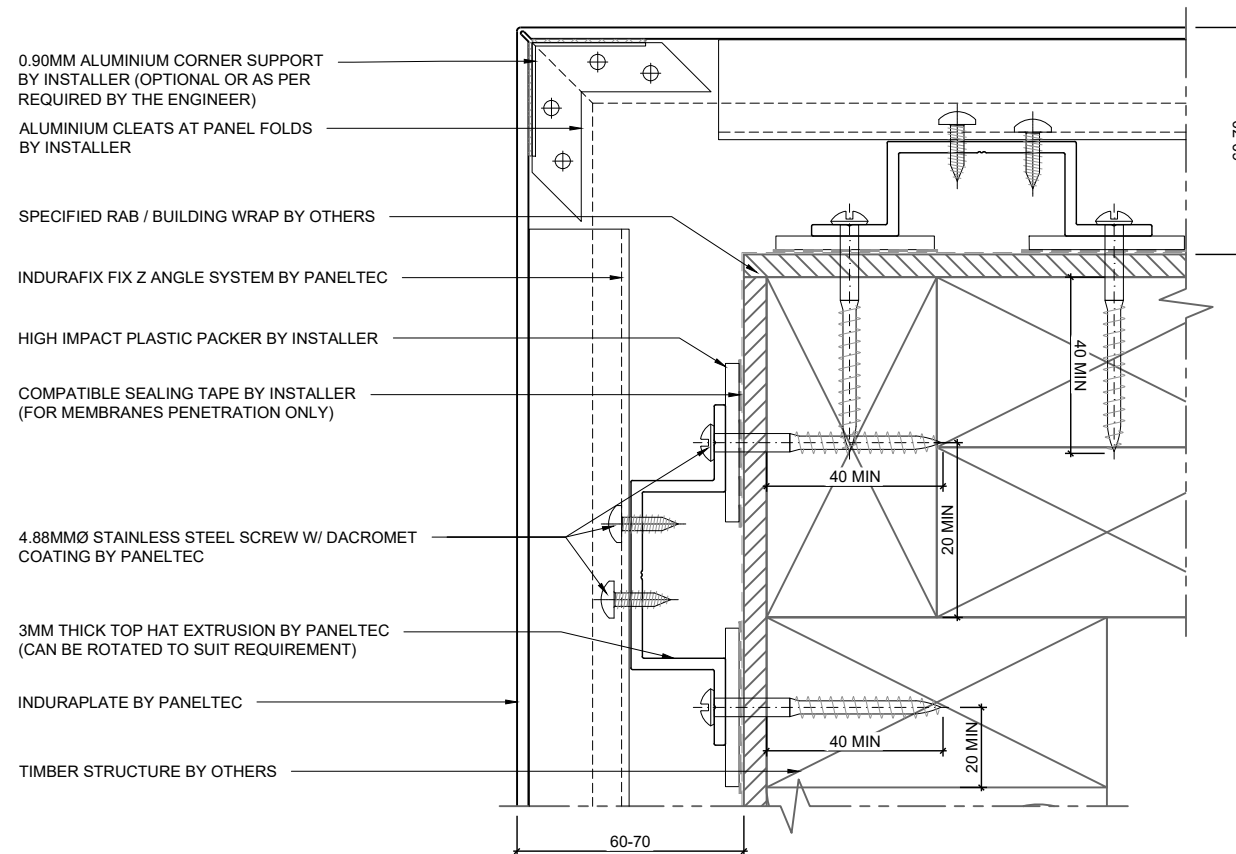


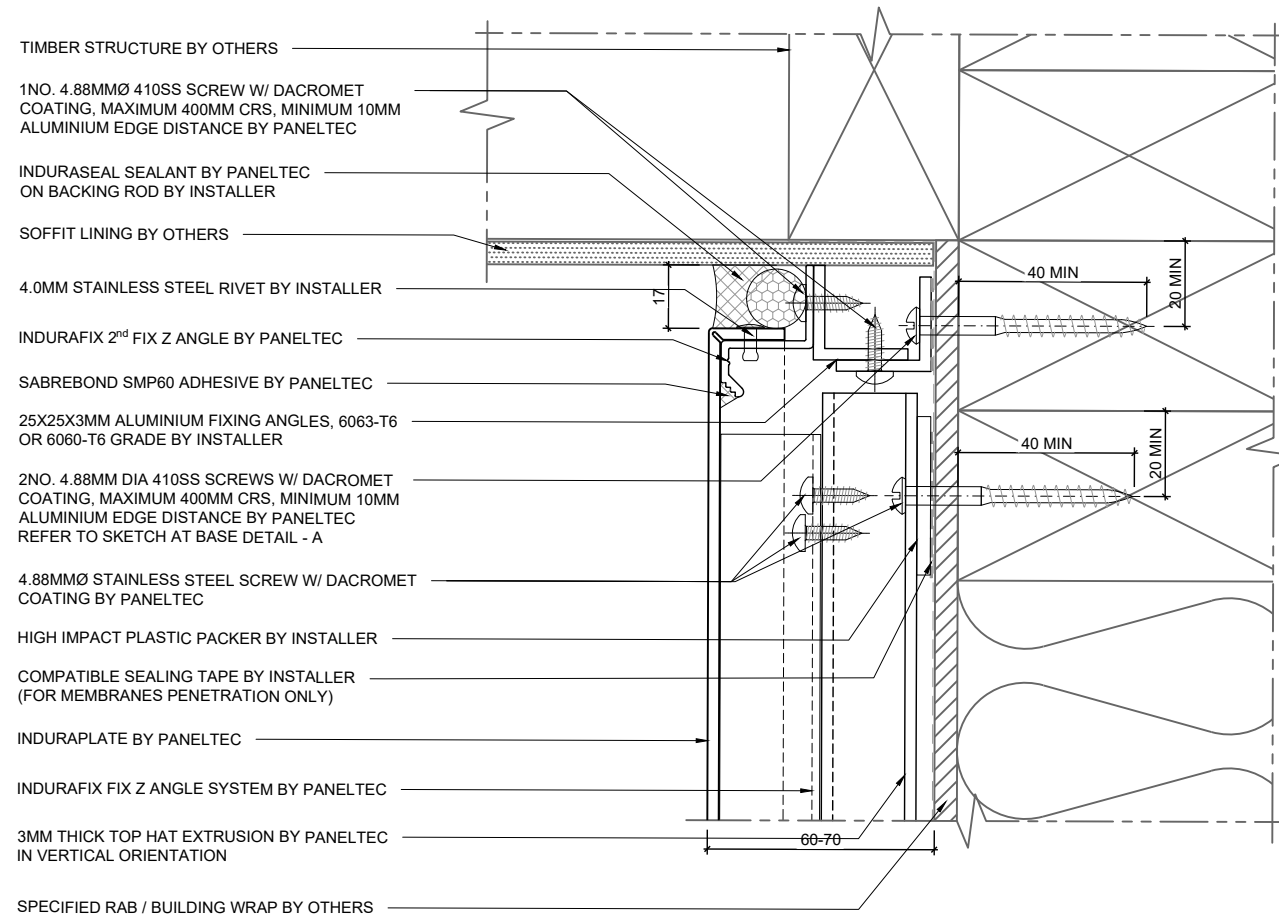
4. INTER-STOREY JOINT (SECTION DETAIL)

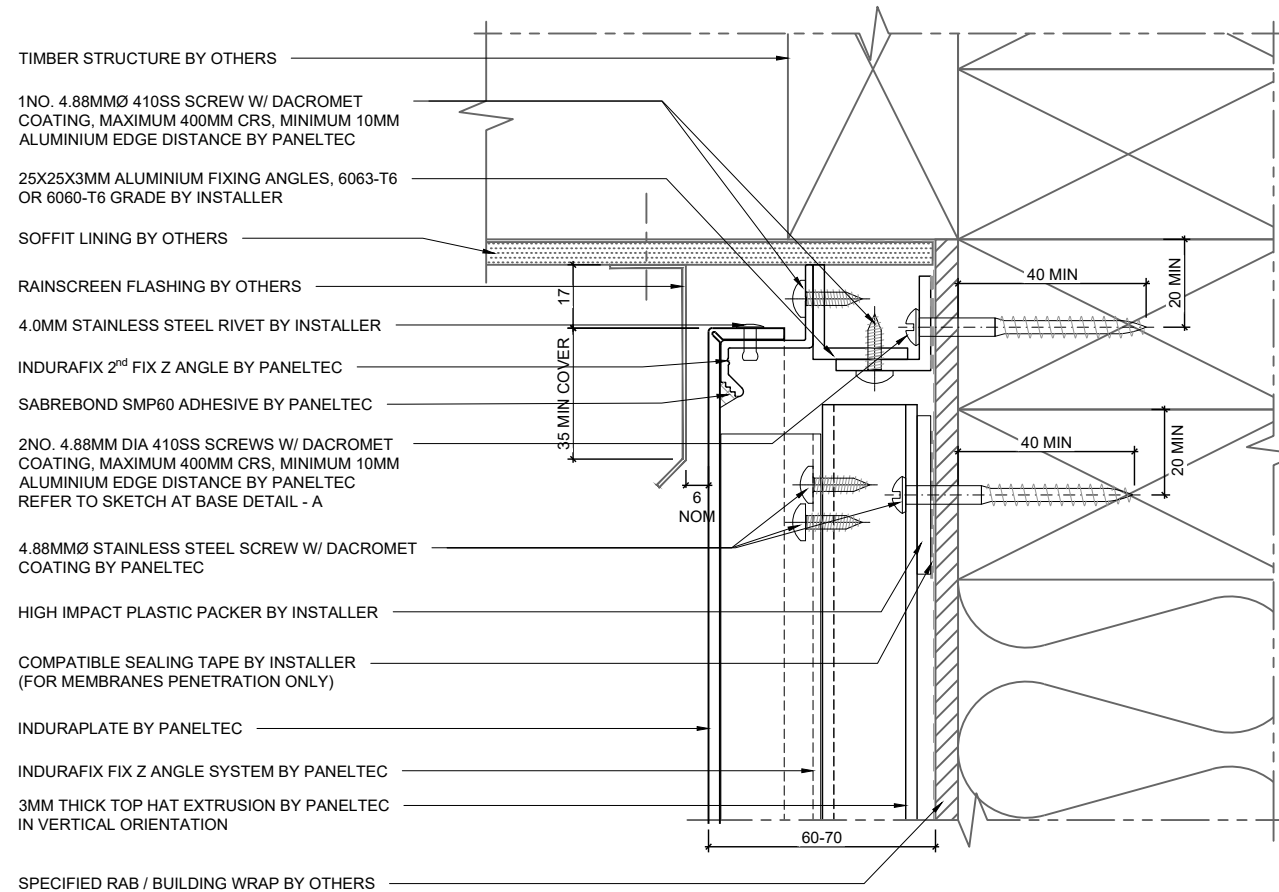
Drawing Scale 1:2

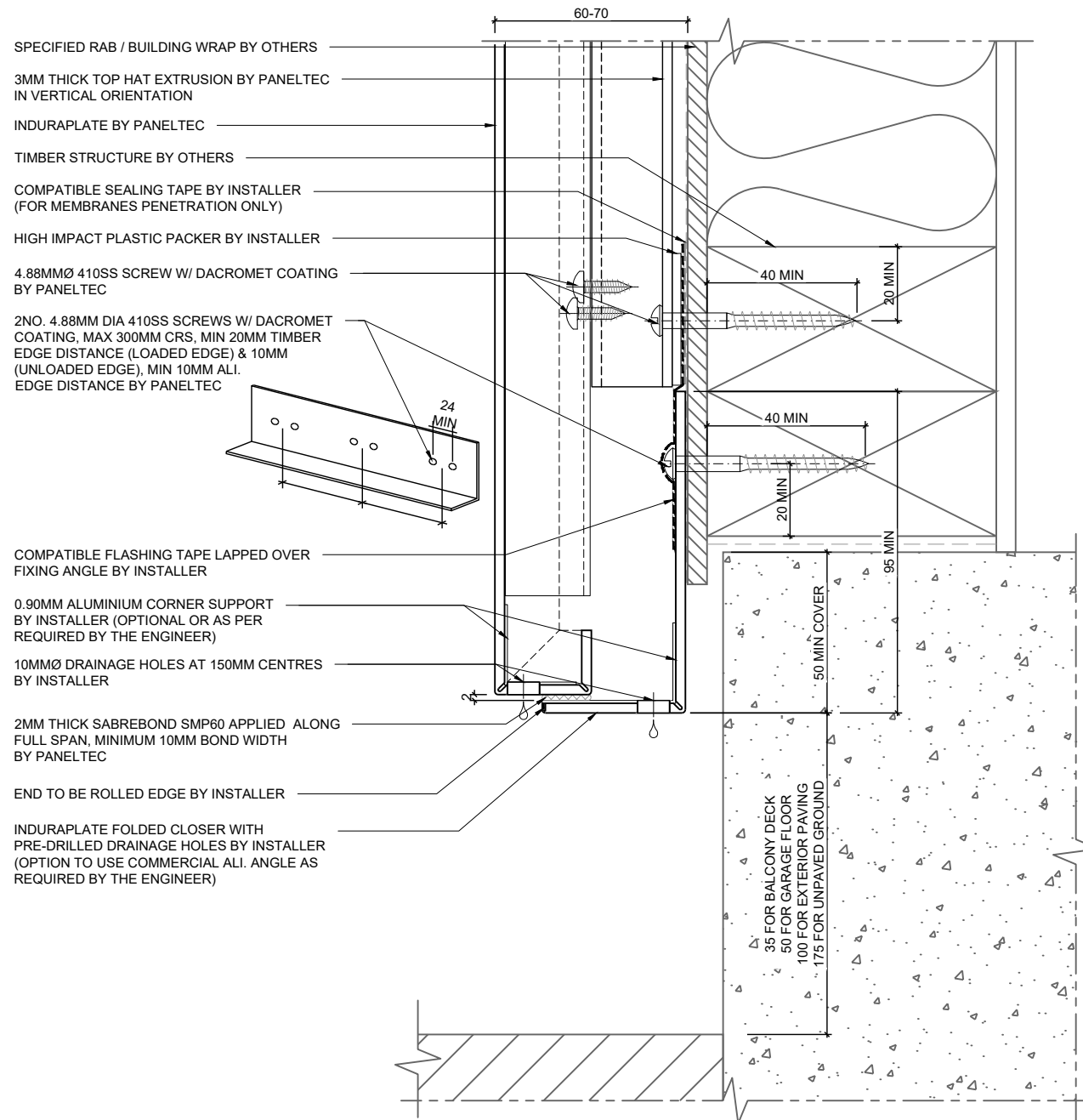


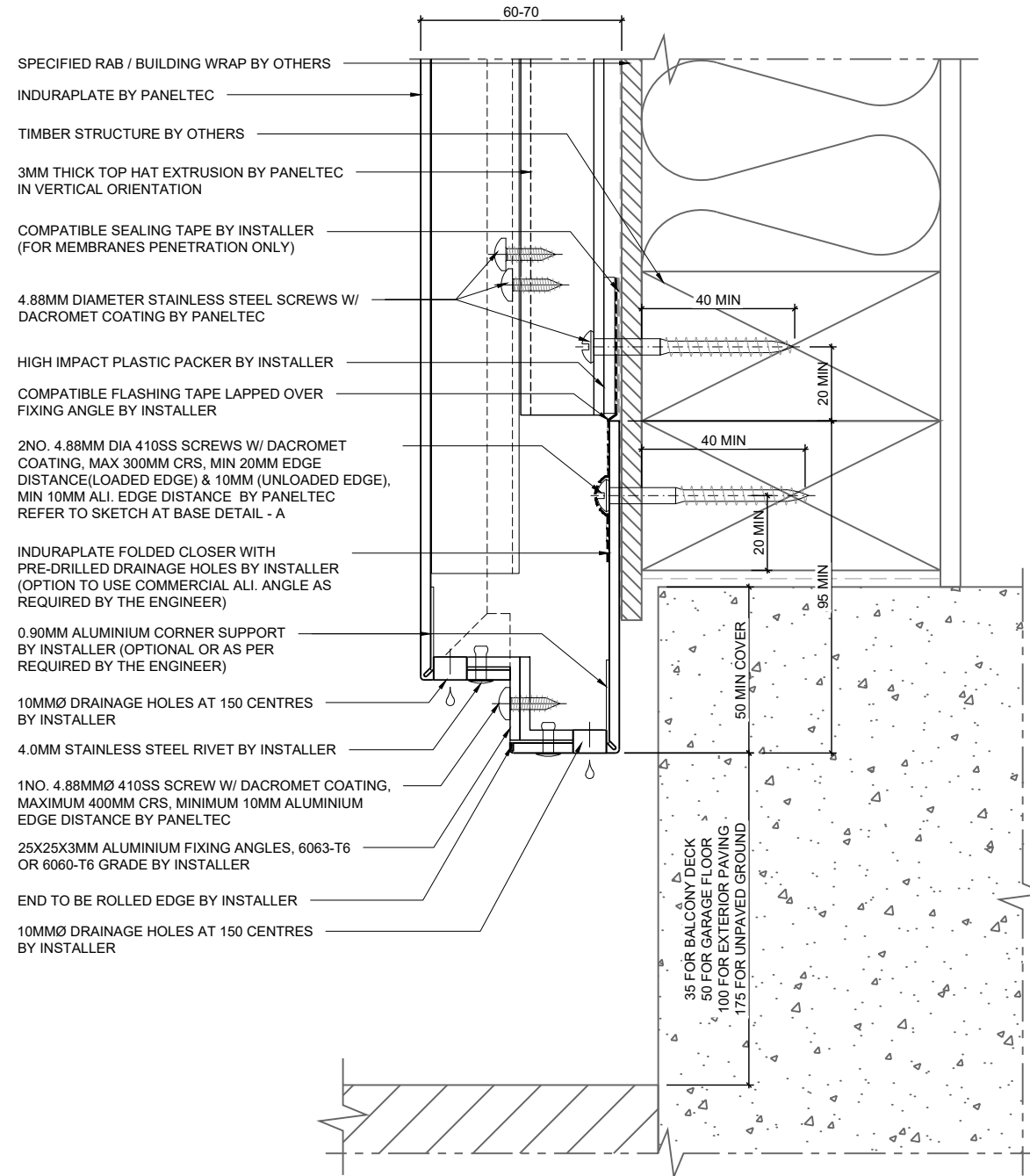


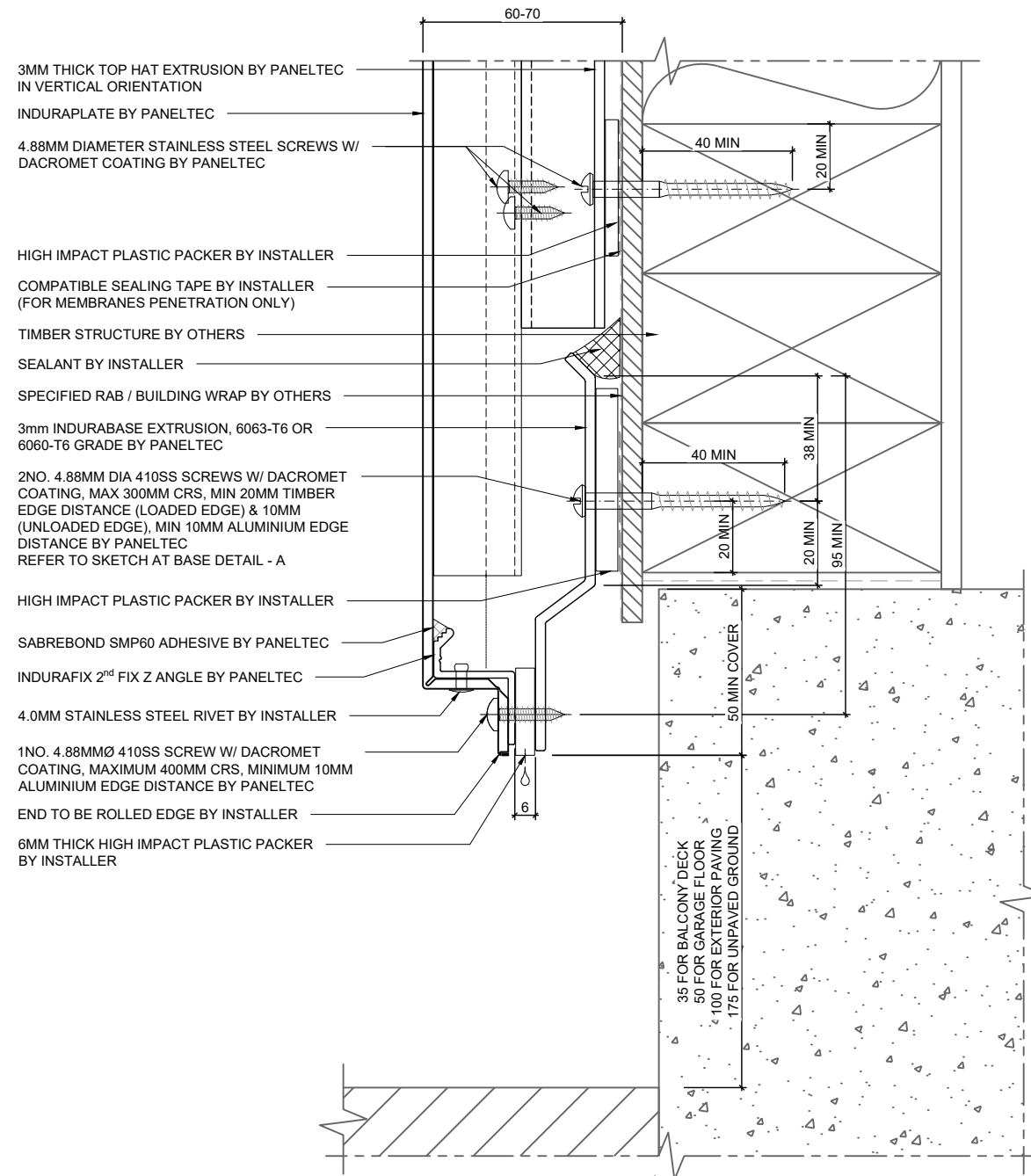


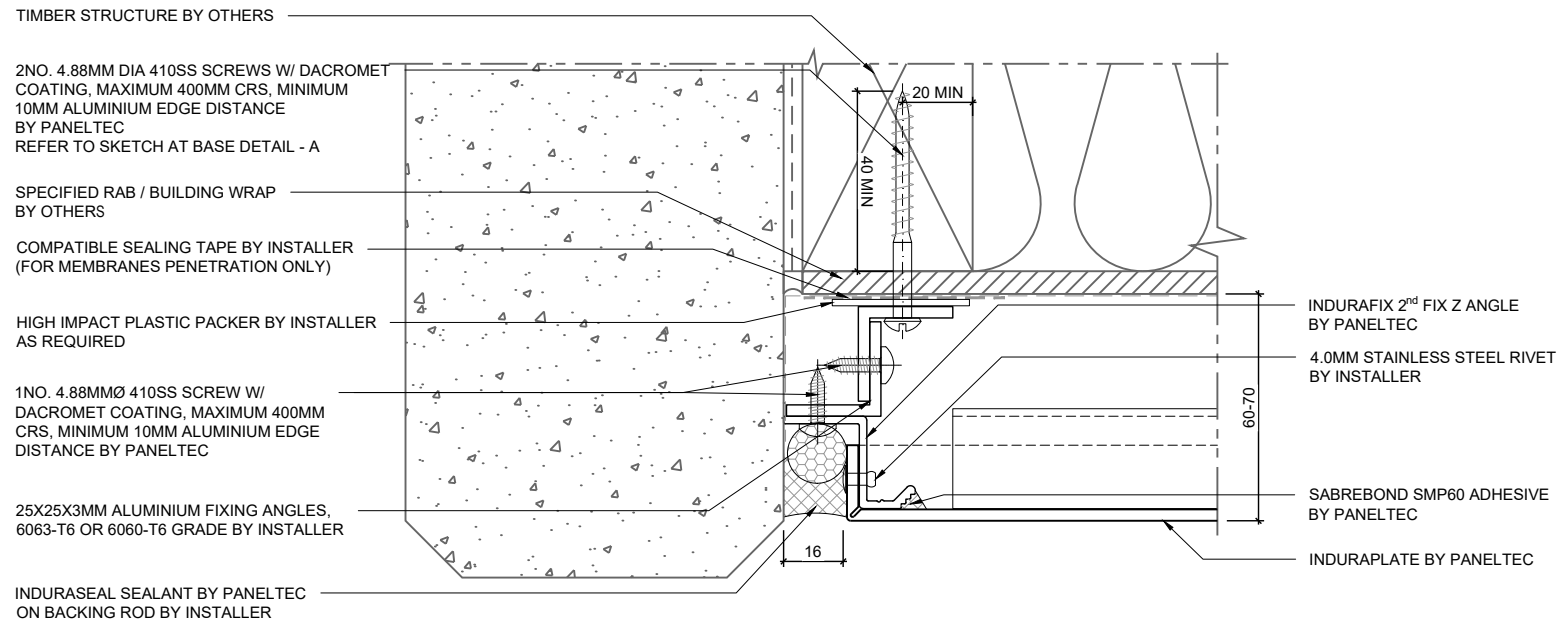


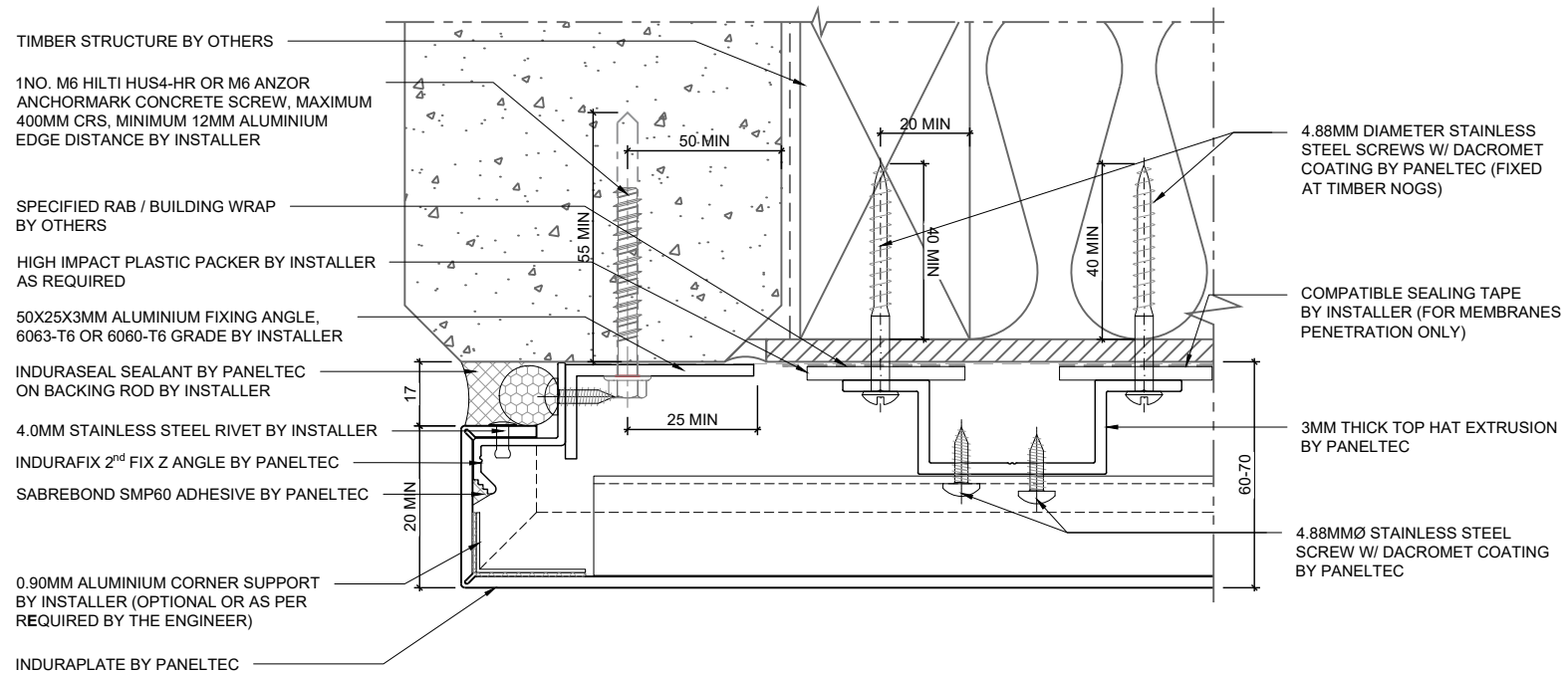


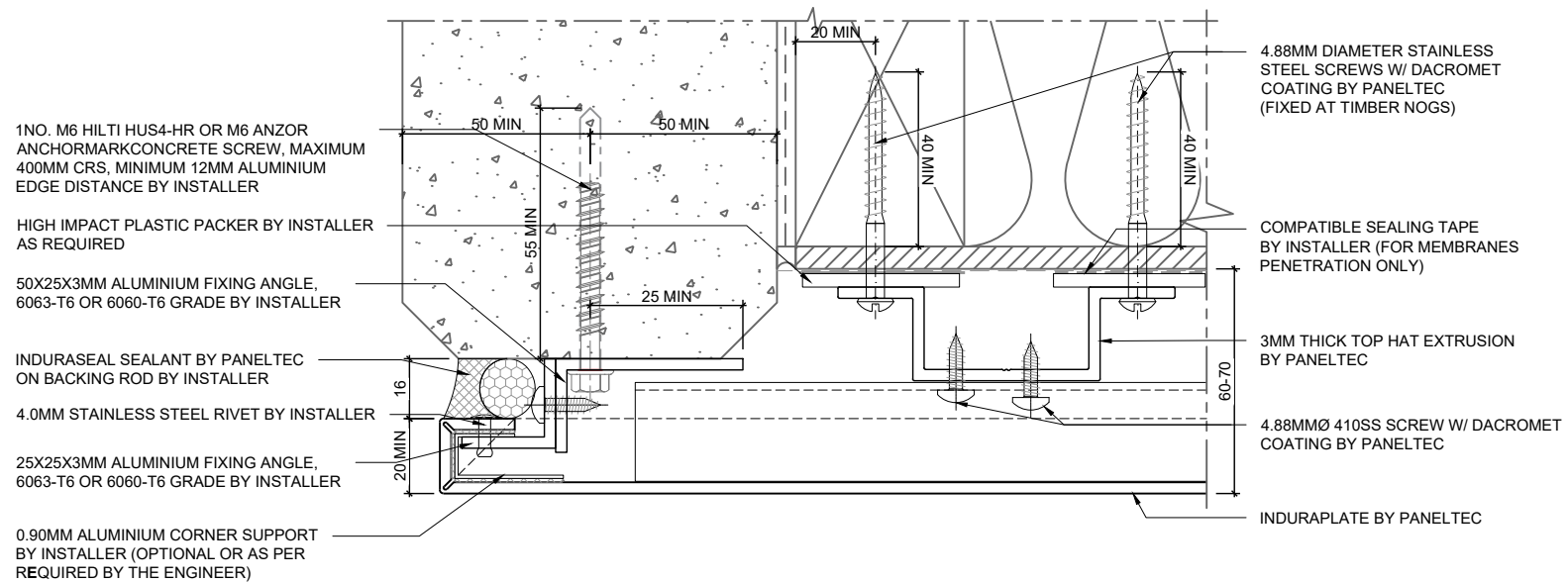


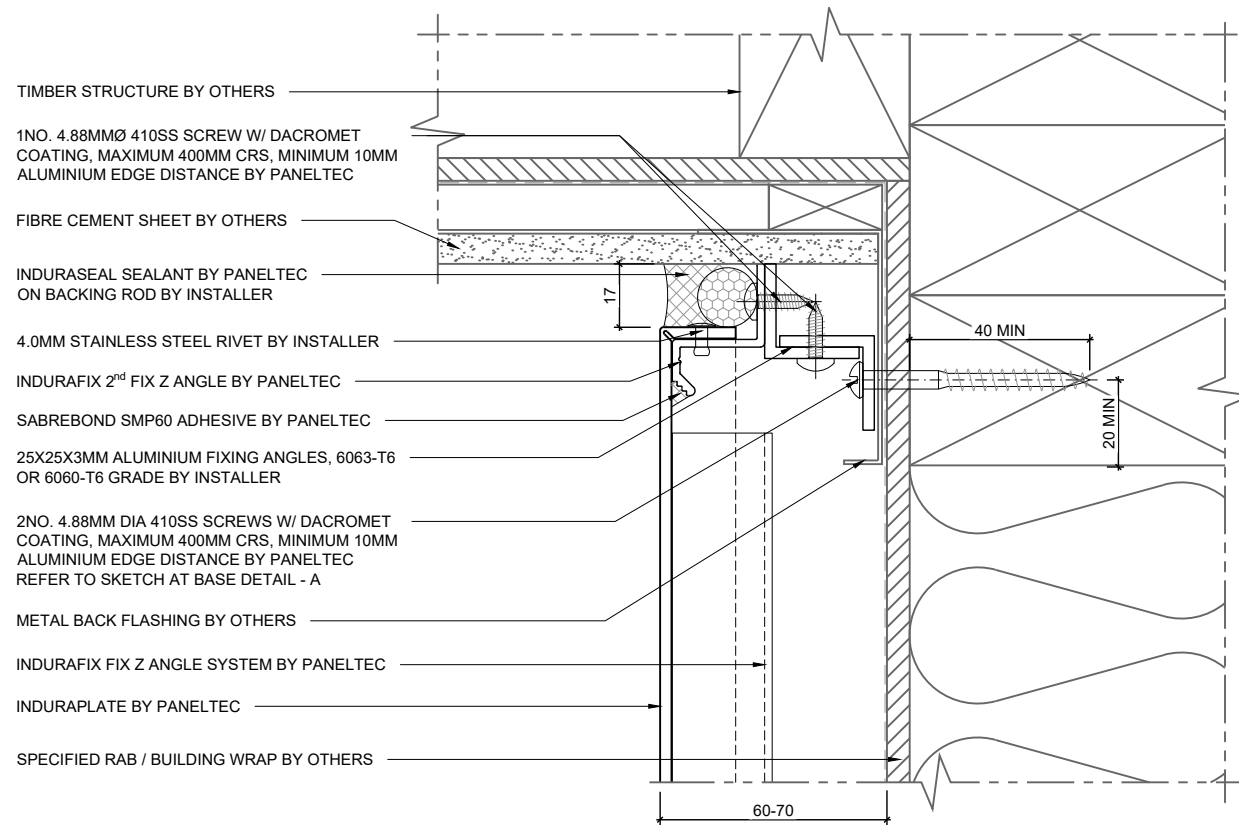


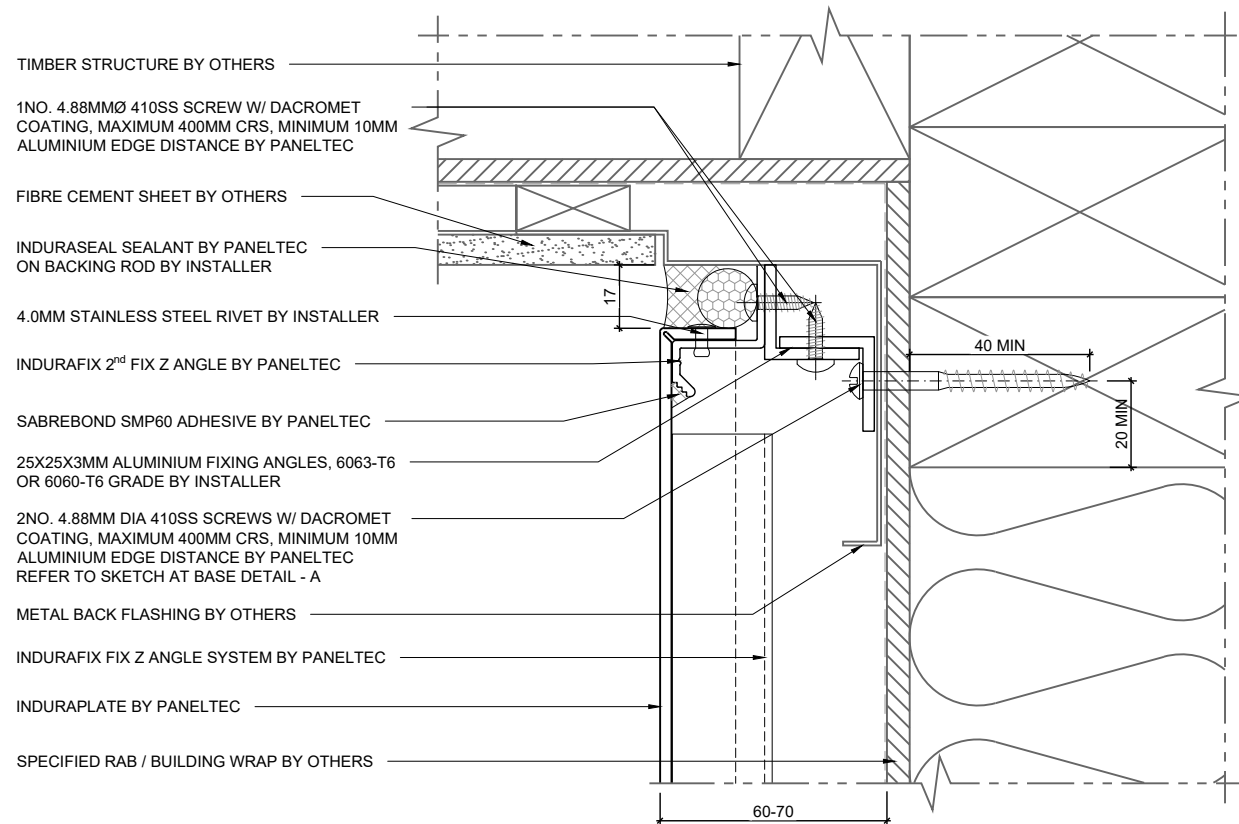


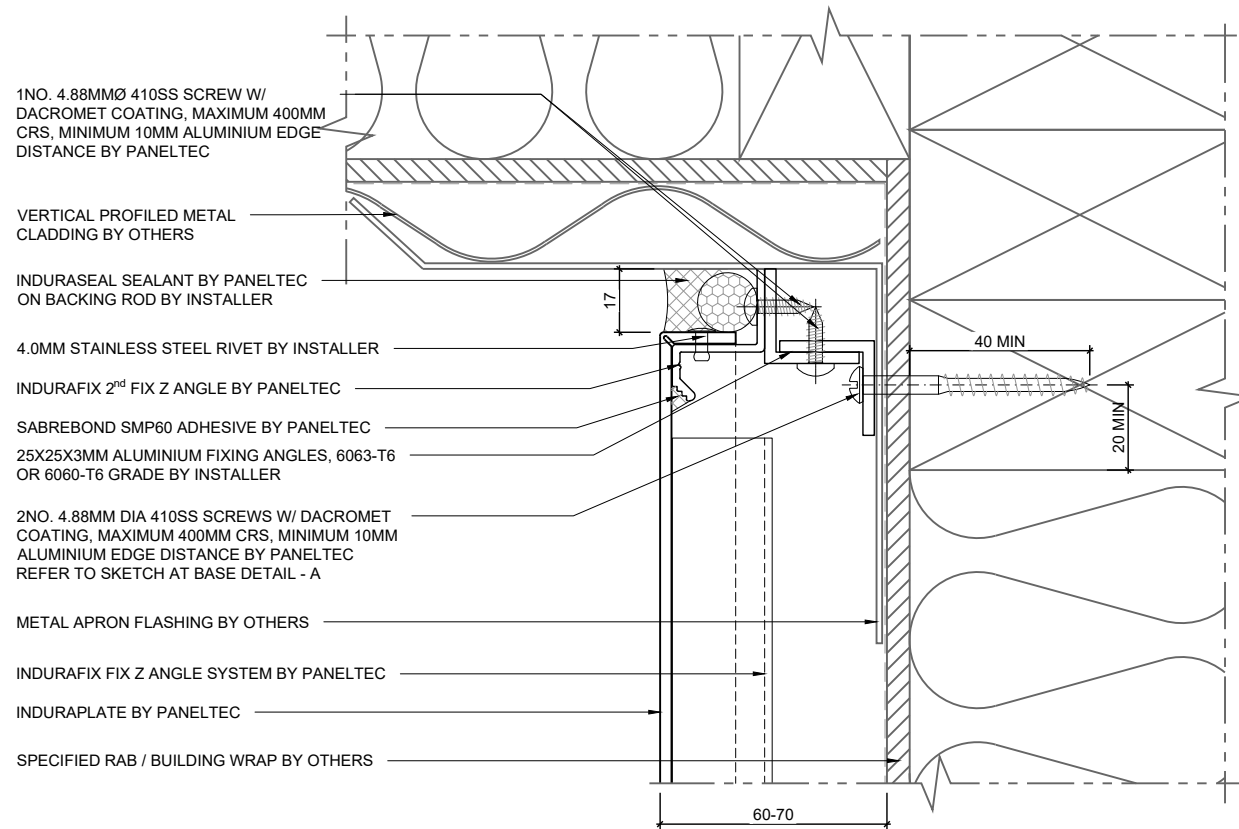


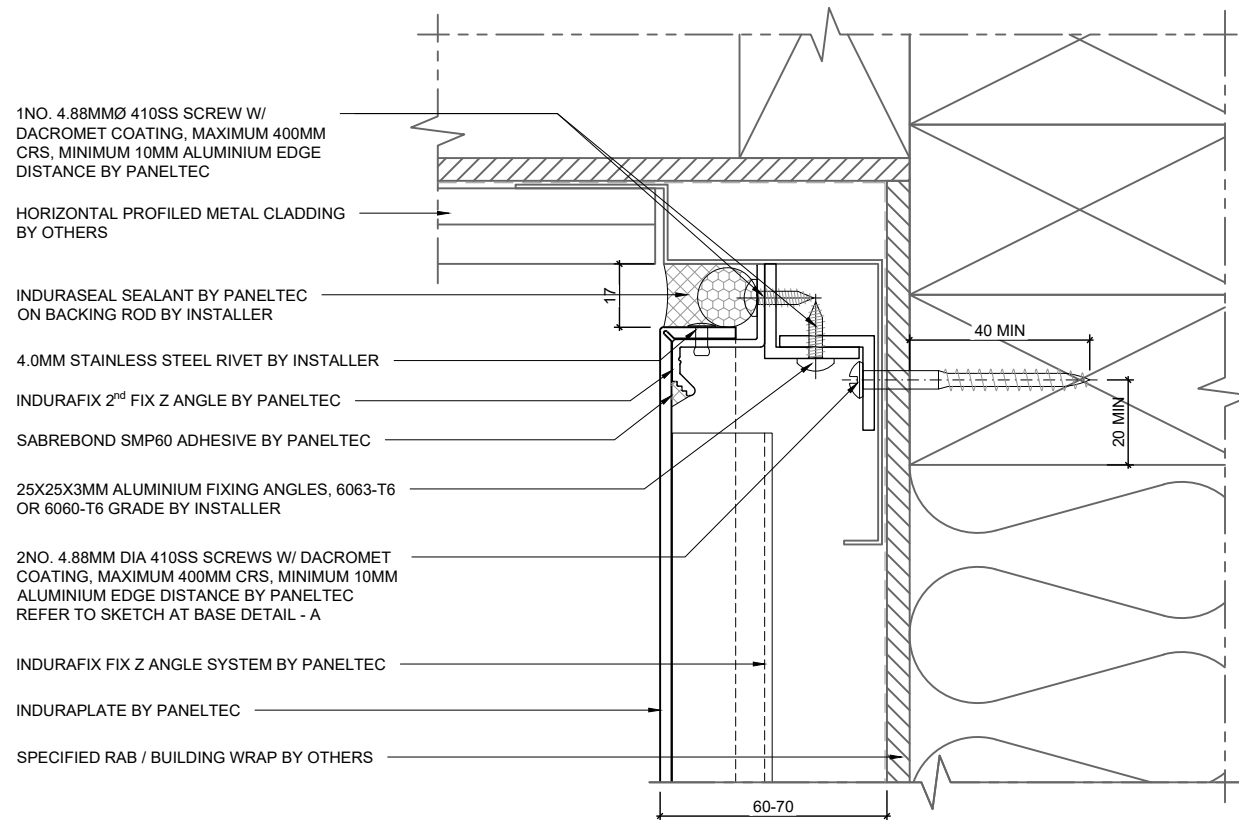


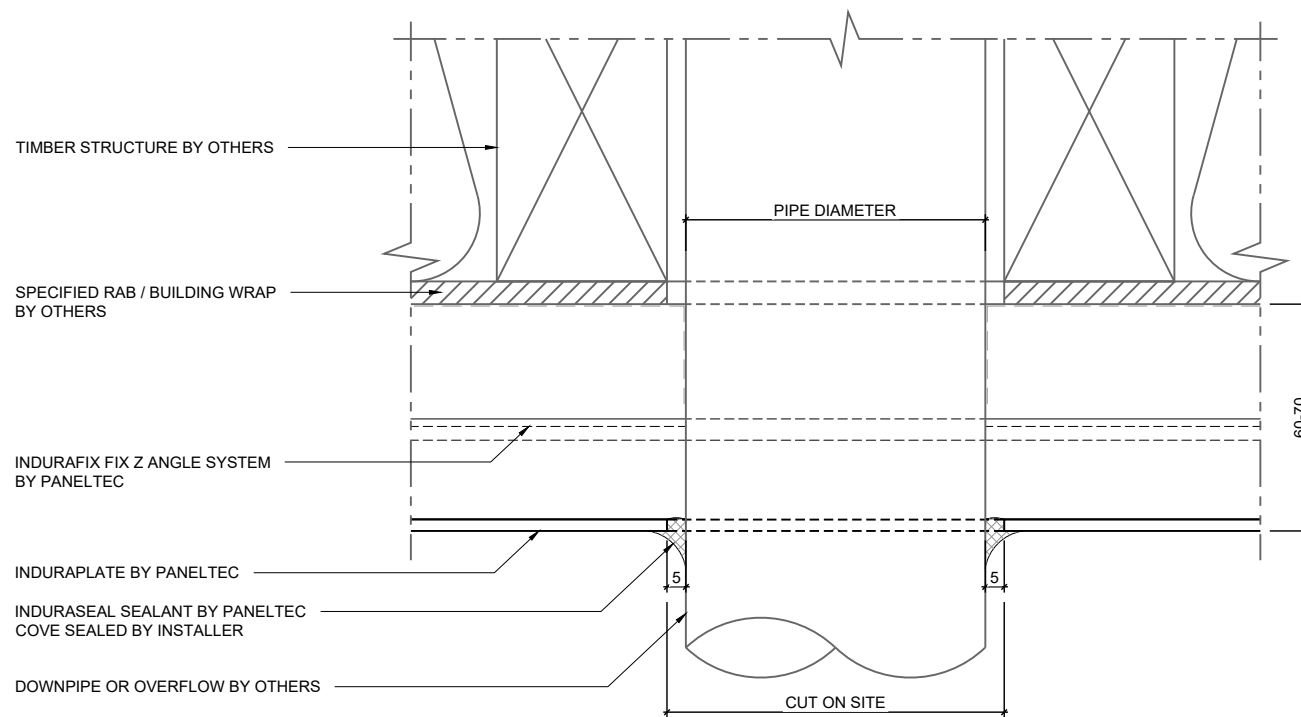


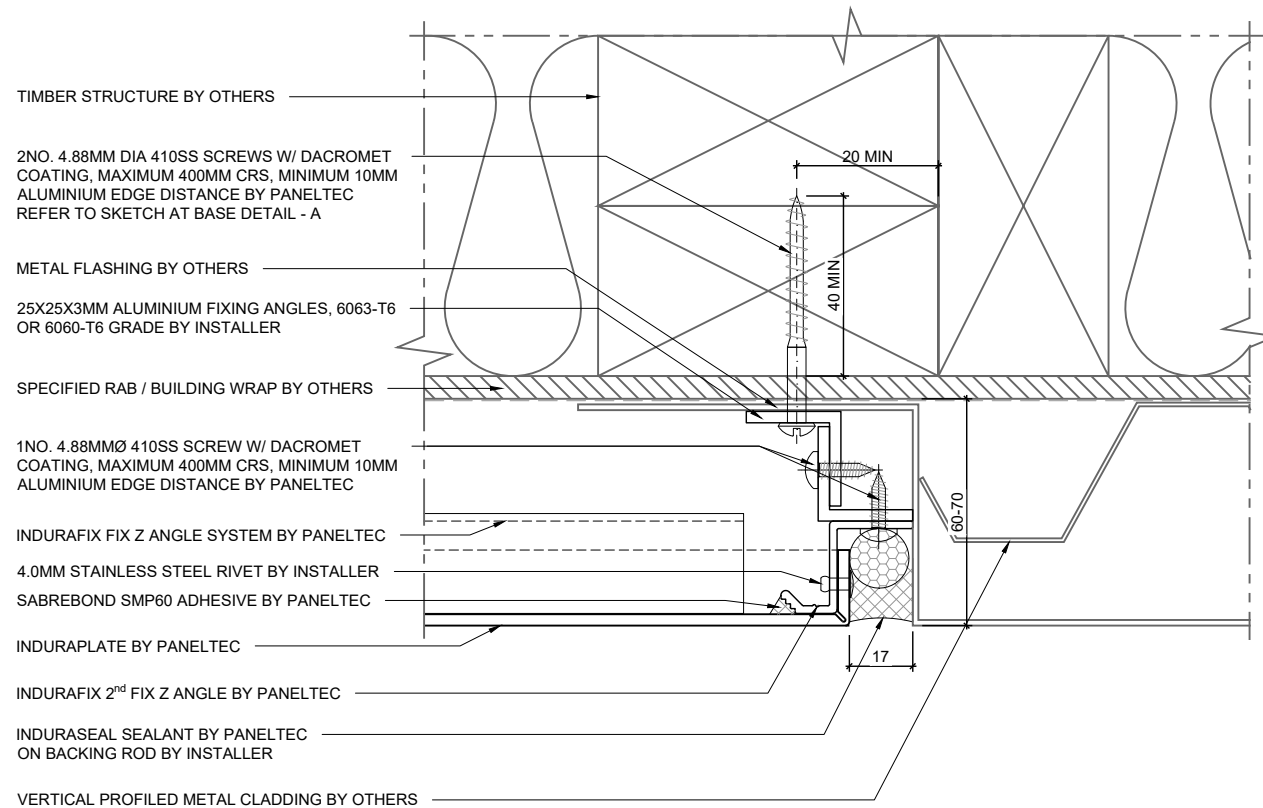


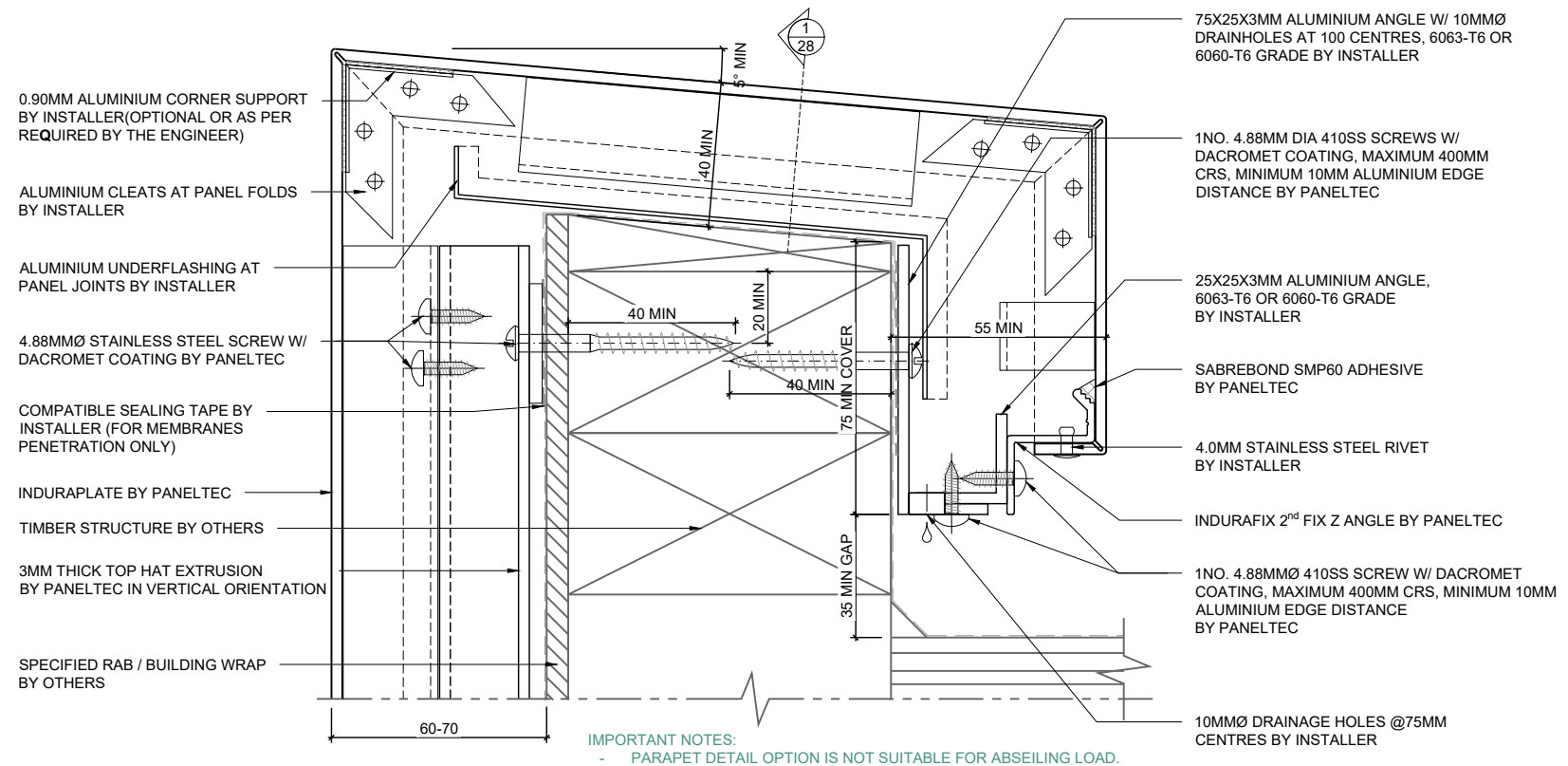


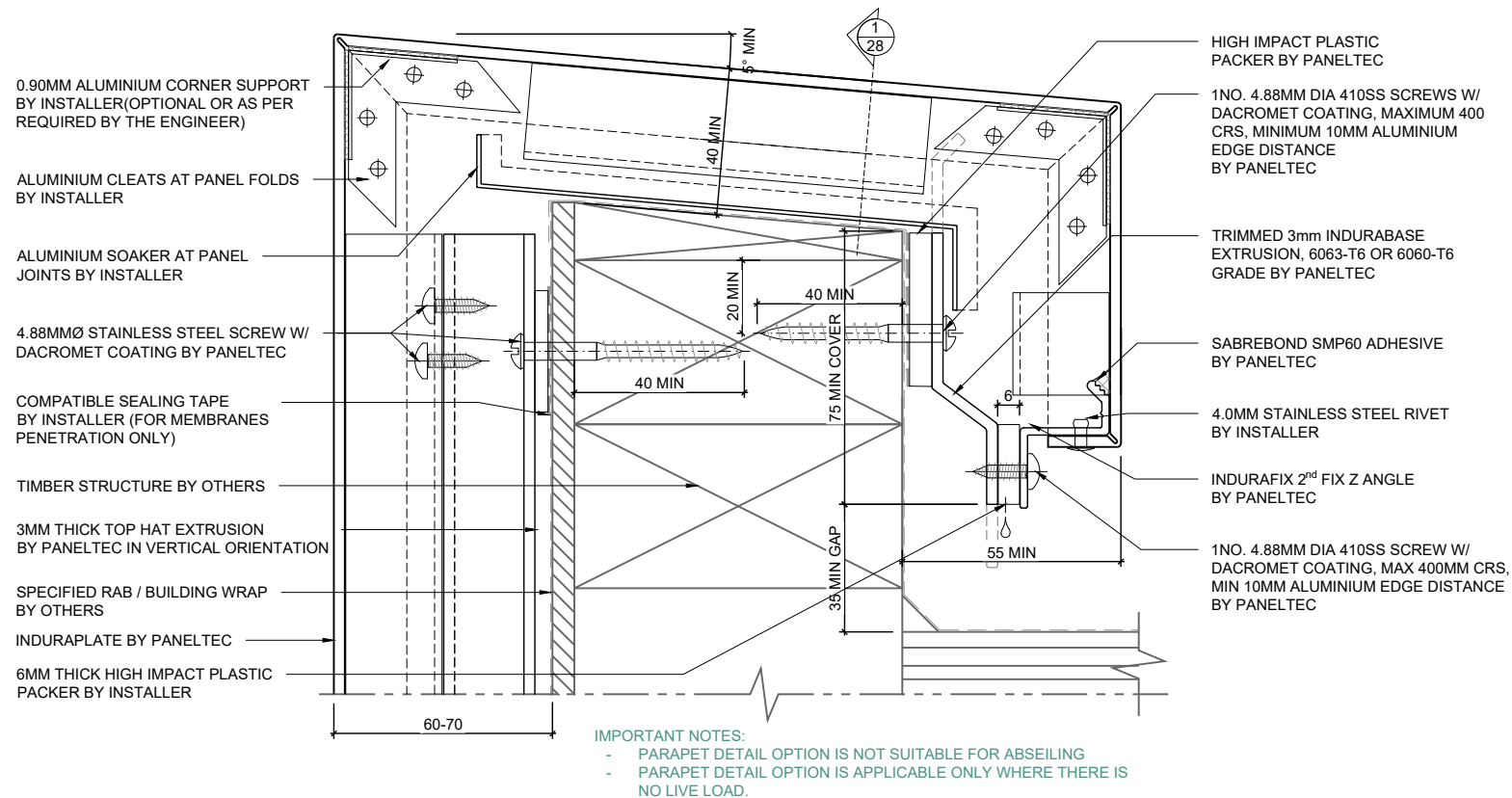


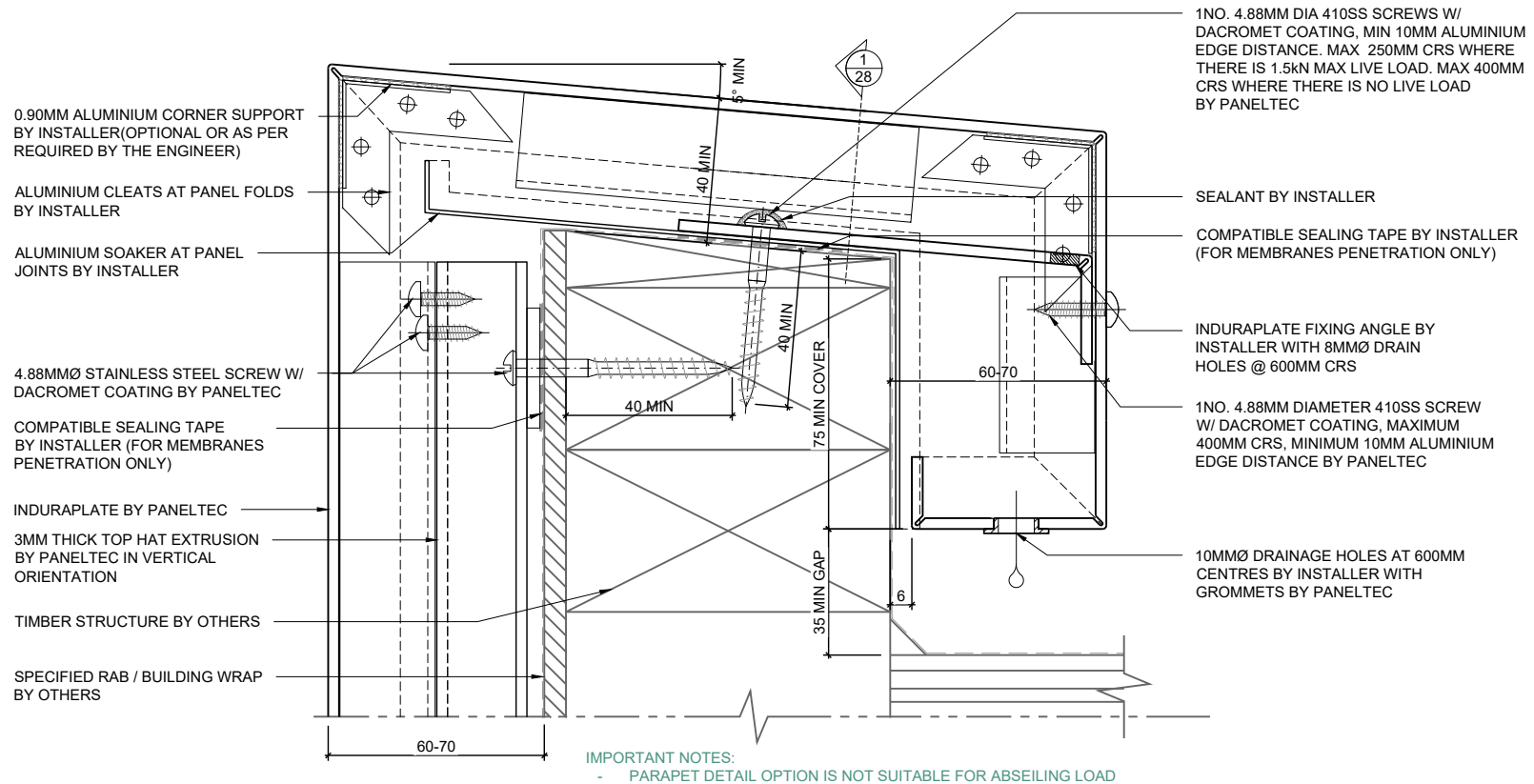


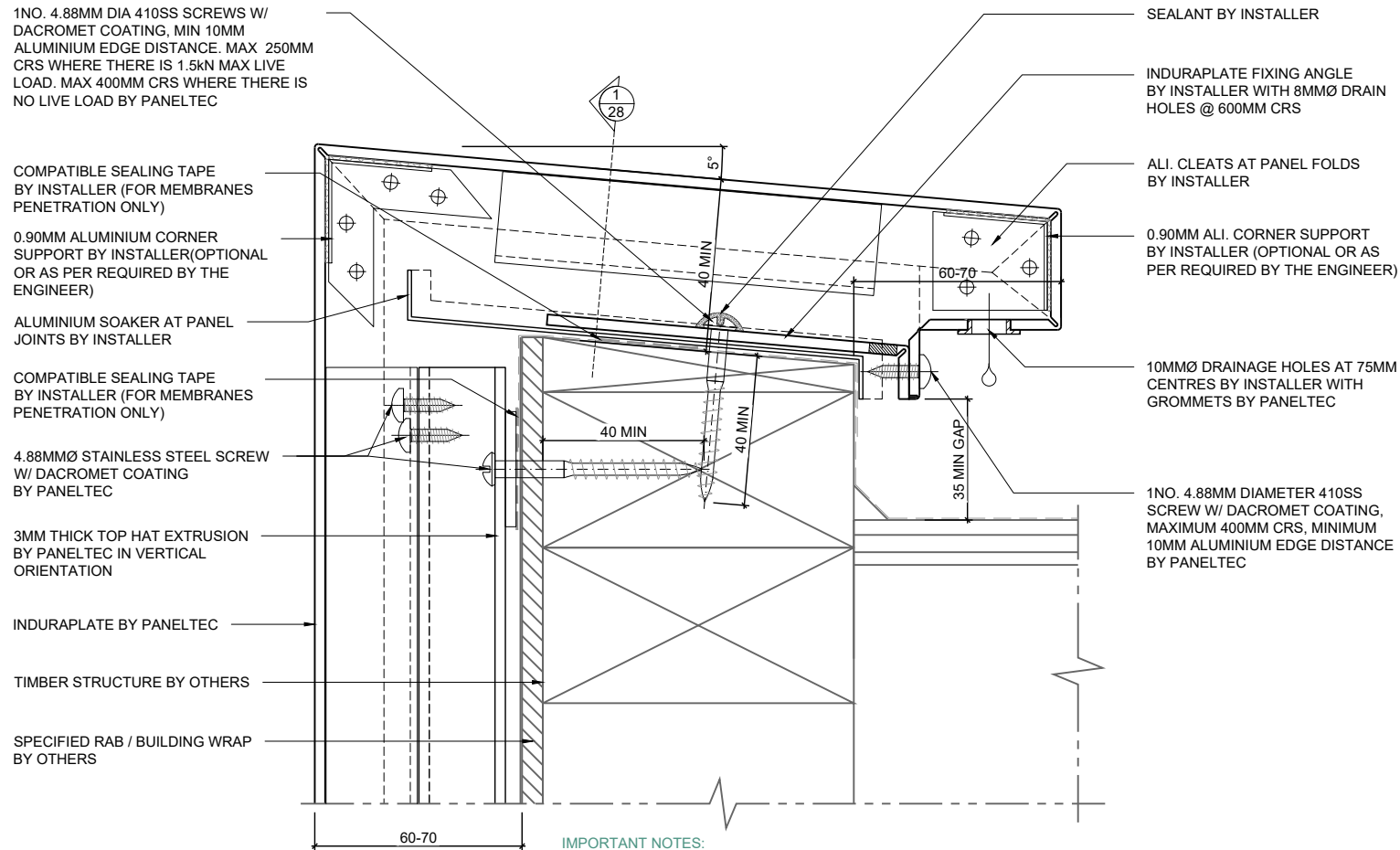






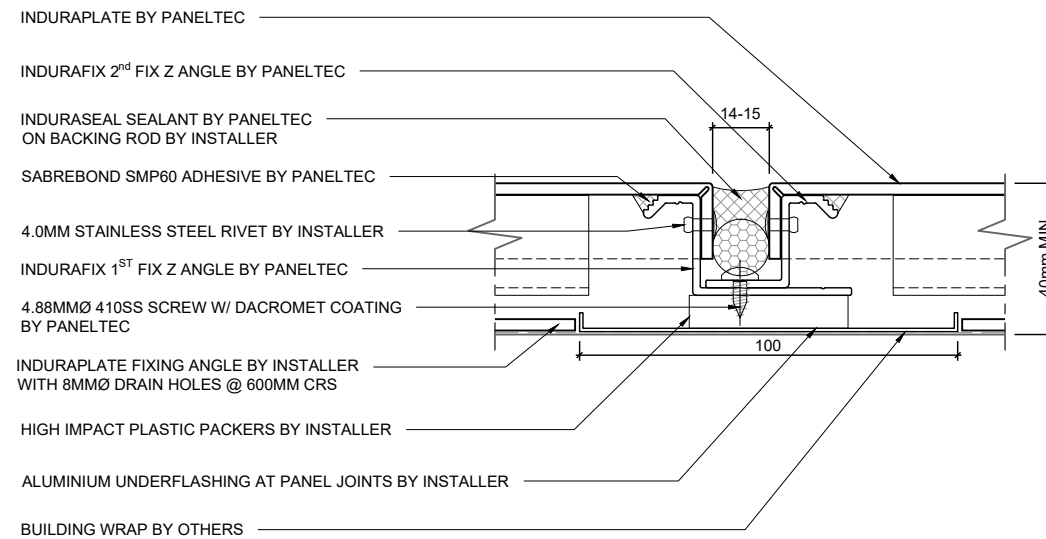


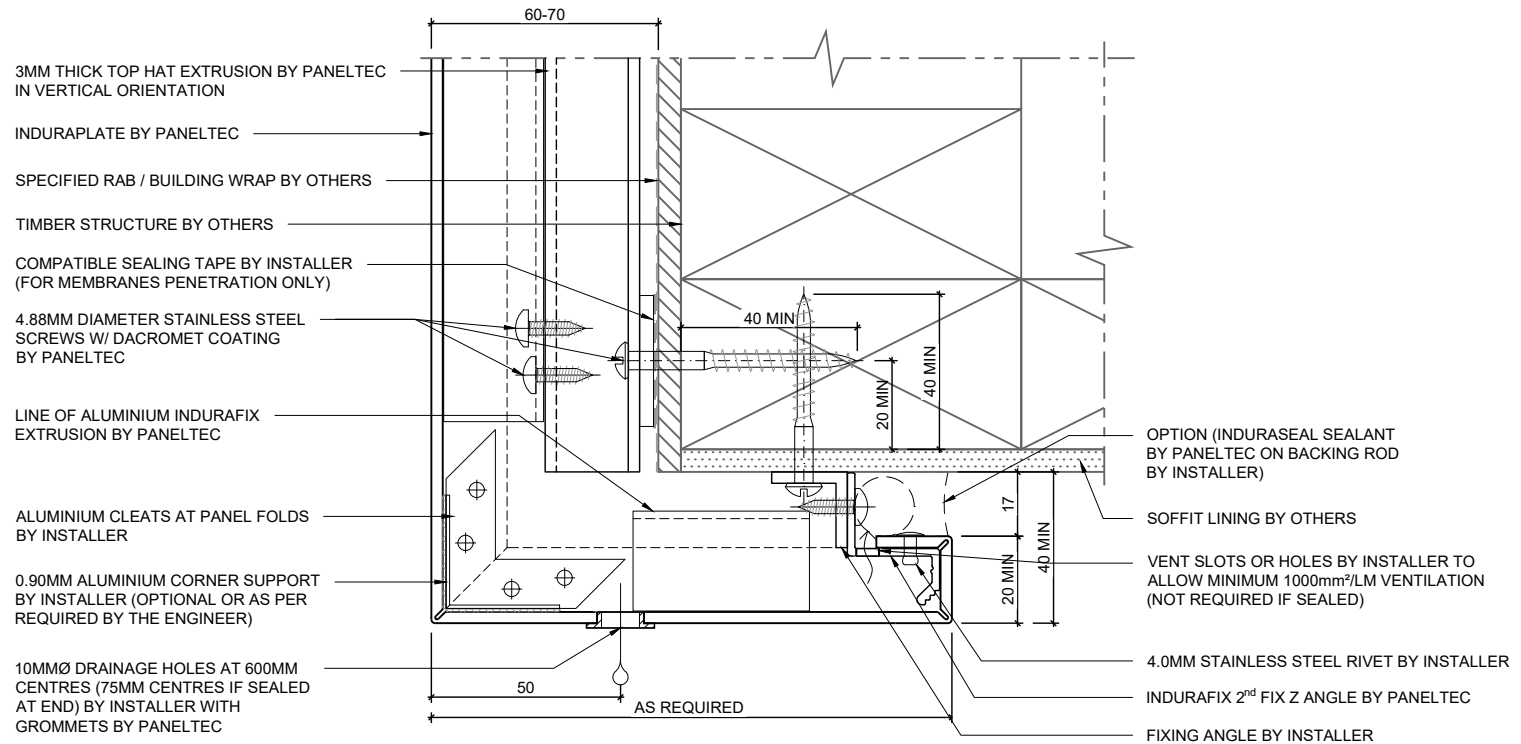




IMPORTANT NOTES:

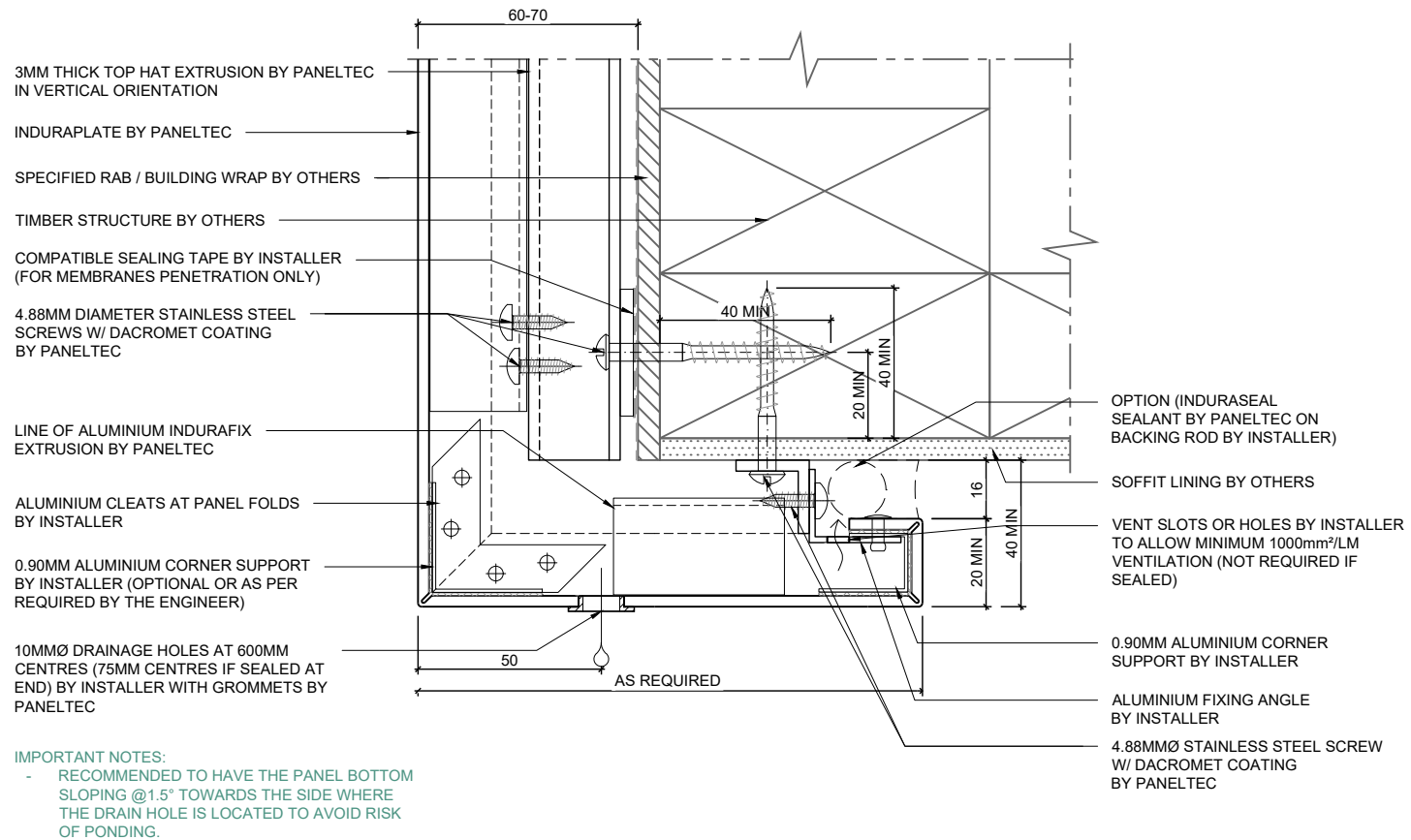
- PARAPET DETAIL OPTION IS NOT SUITABLE FOR ABSEILING LOAD.
- FOR LOW ROOF UPSTAND ONLY.
- THIS DETAIL DOES NOT COMPLY WITH THE BUILDING CODE REQUIREMENTS BUT MAY BE CONSIDERED AN ACCEPTABLE ALTERNATIVE SOLUTION.
- IT IS THE RESPONSIBILITY OF THE BUILDER OR ARCHITECT TO ENSURE THAT THIS DETAIL IS SATISFACTORY.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

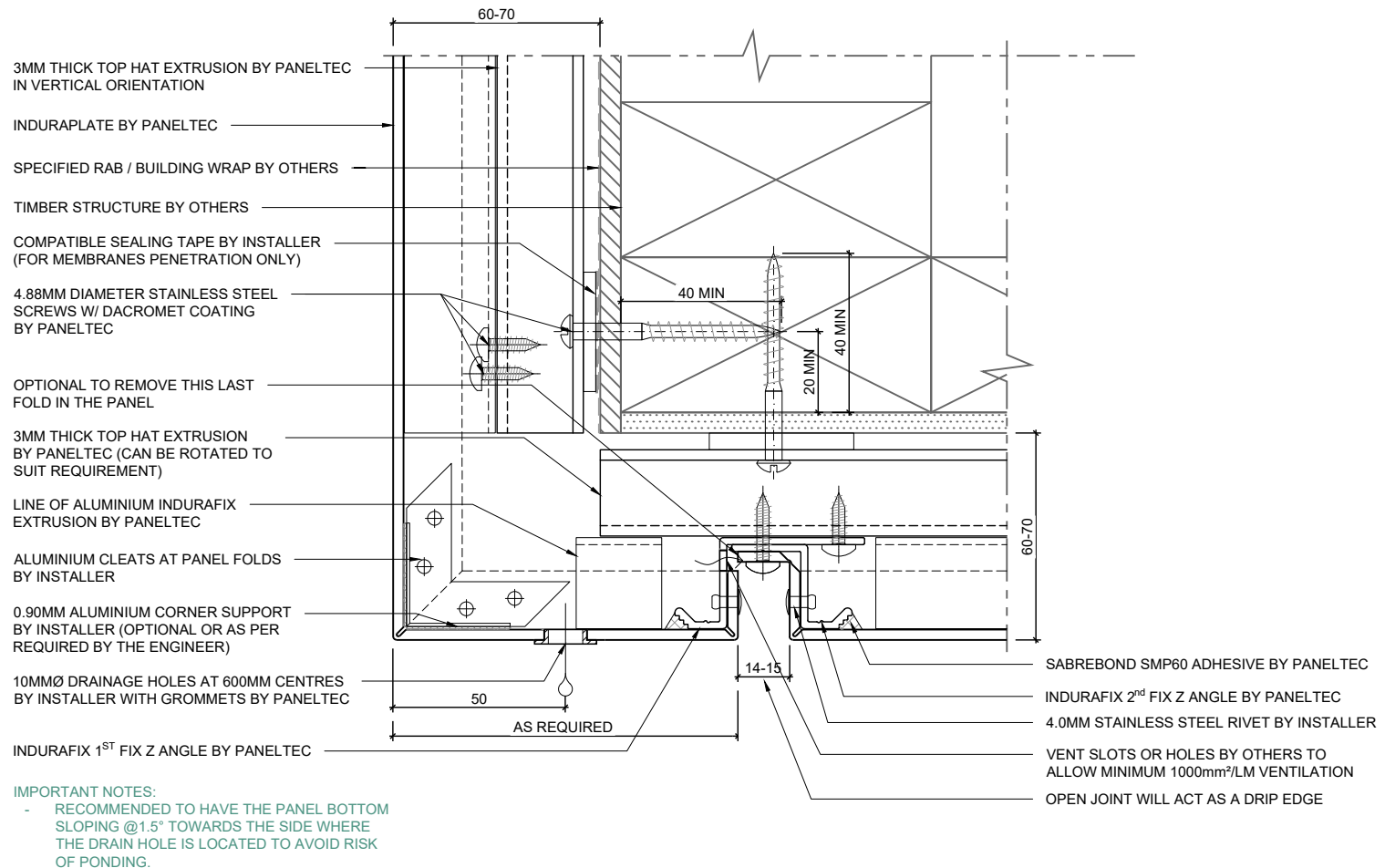


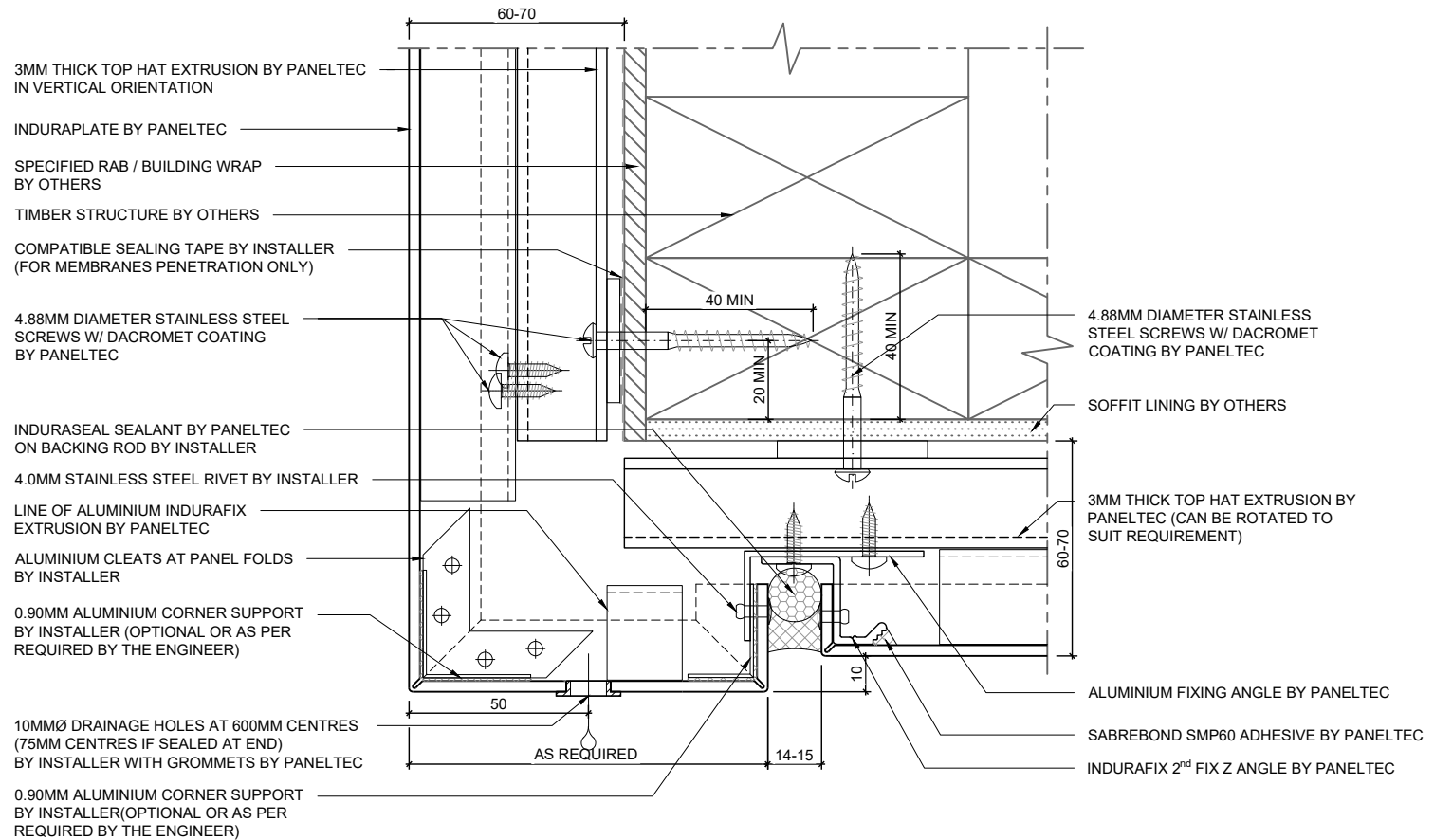


IMPORTANT NOTES:

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

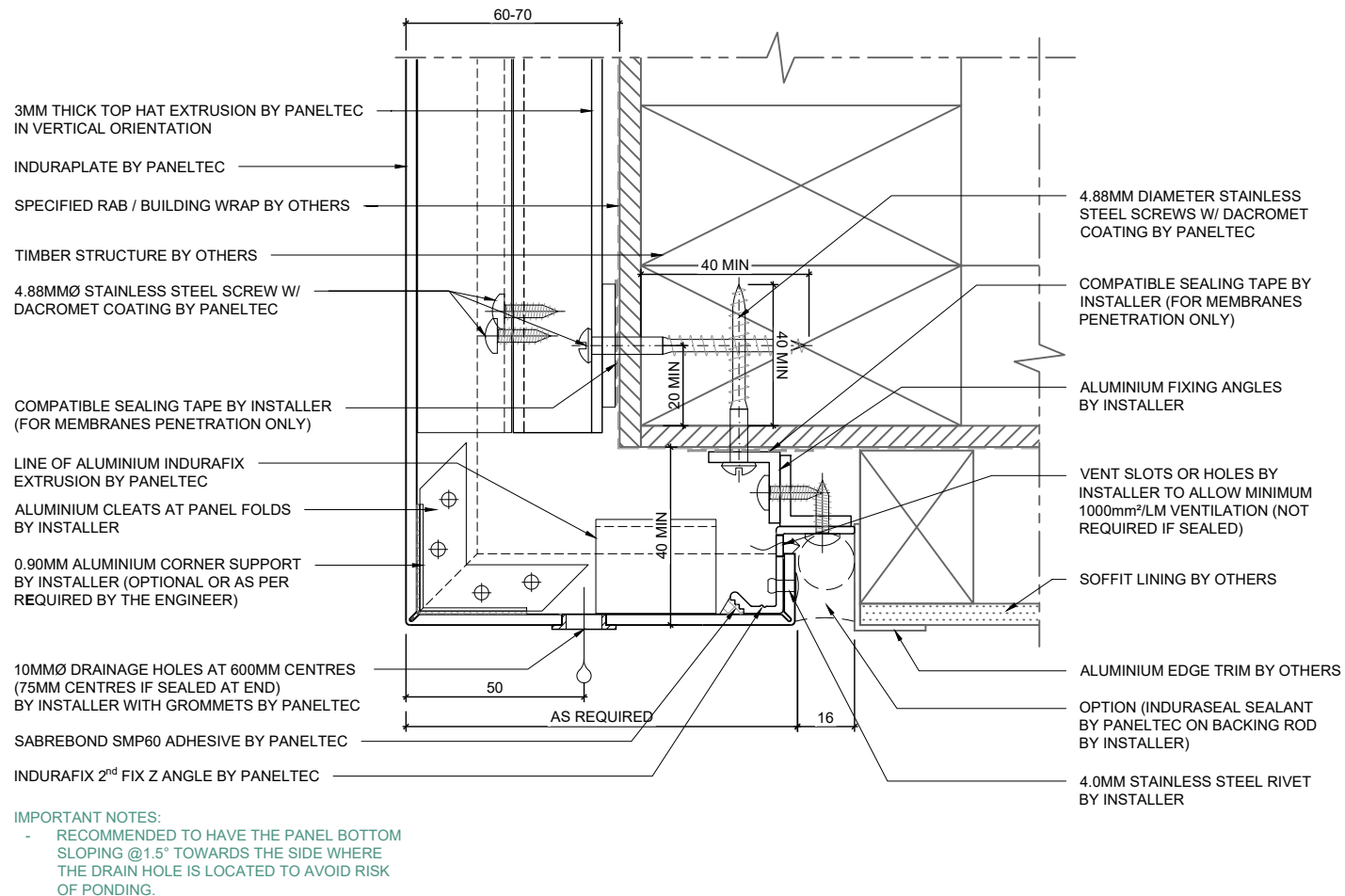


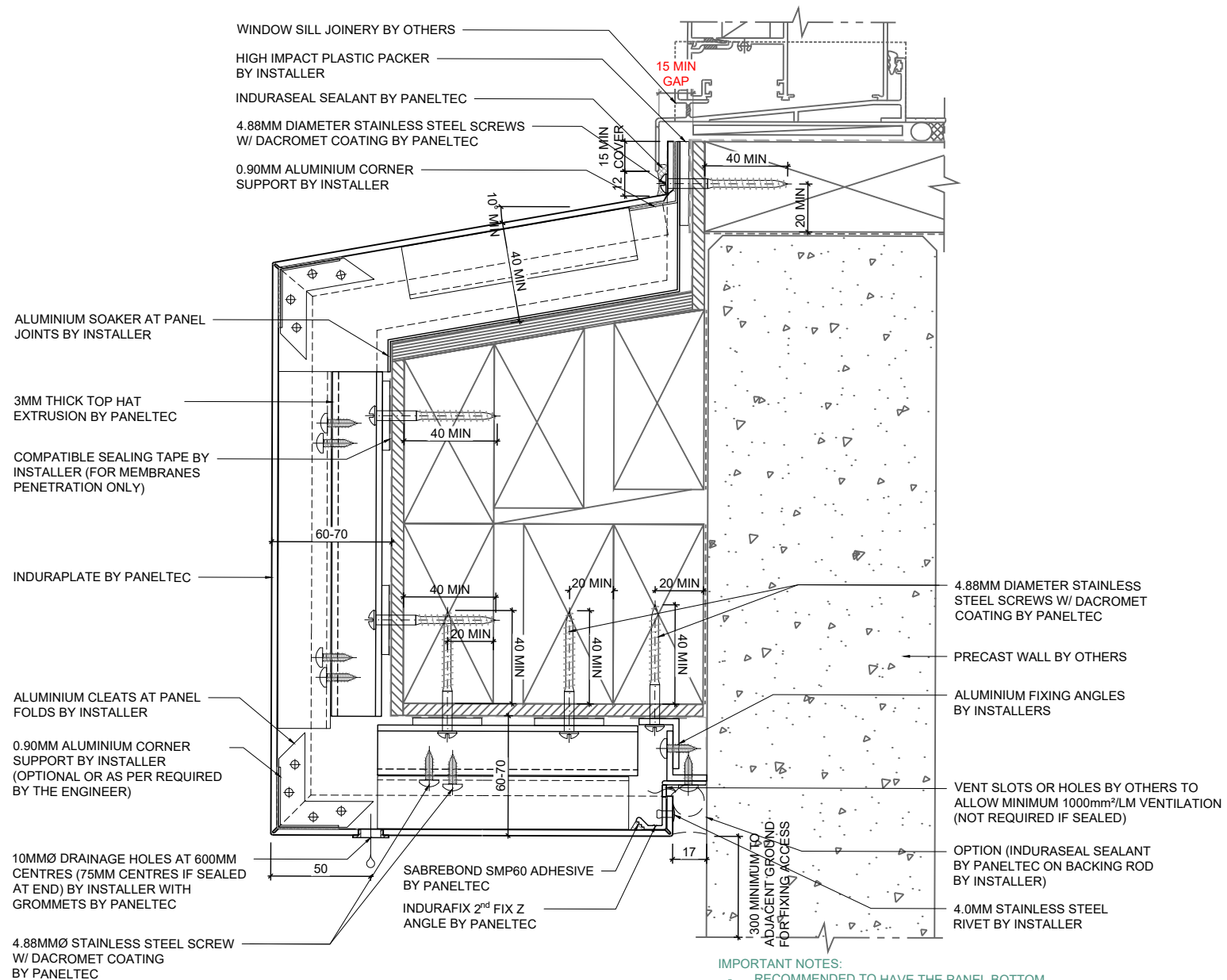




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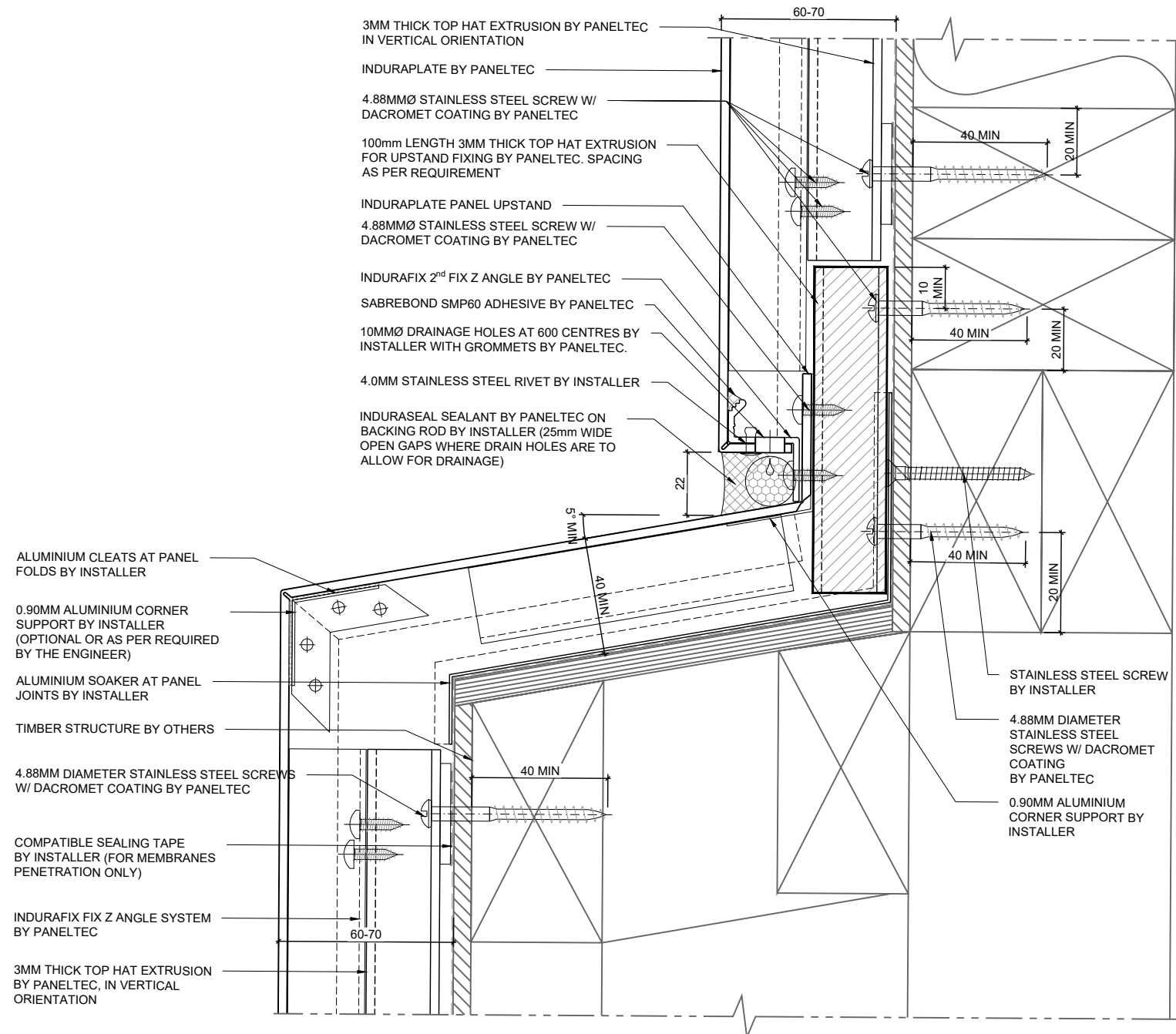
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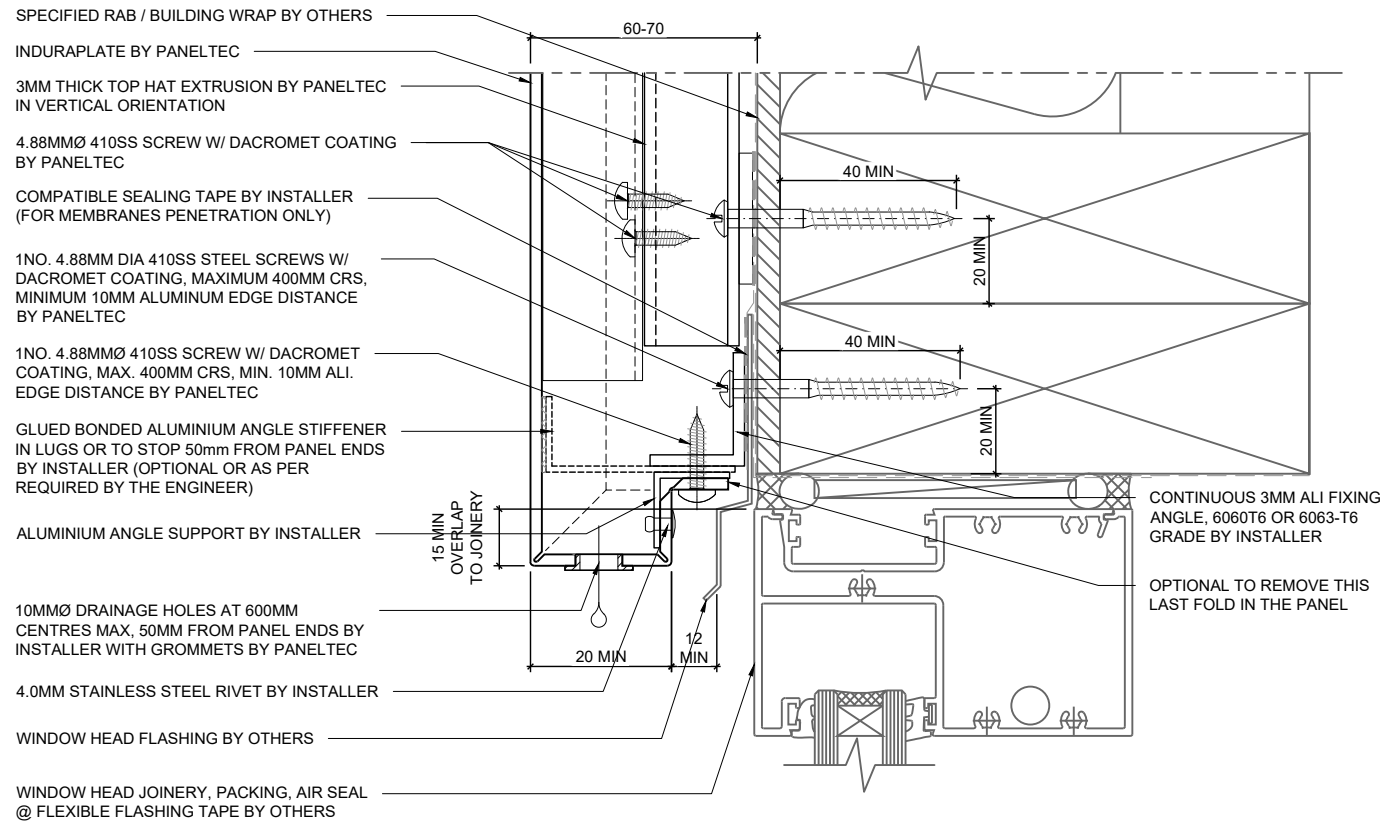


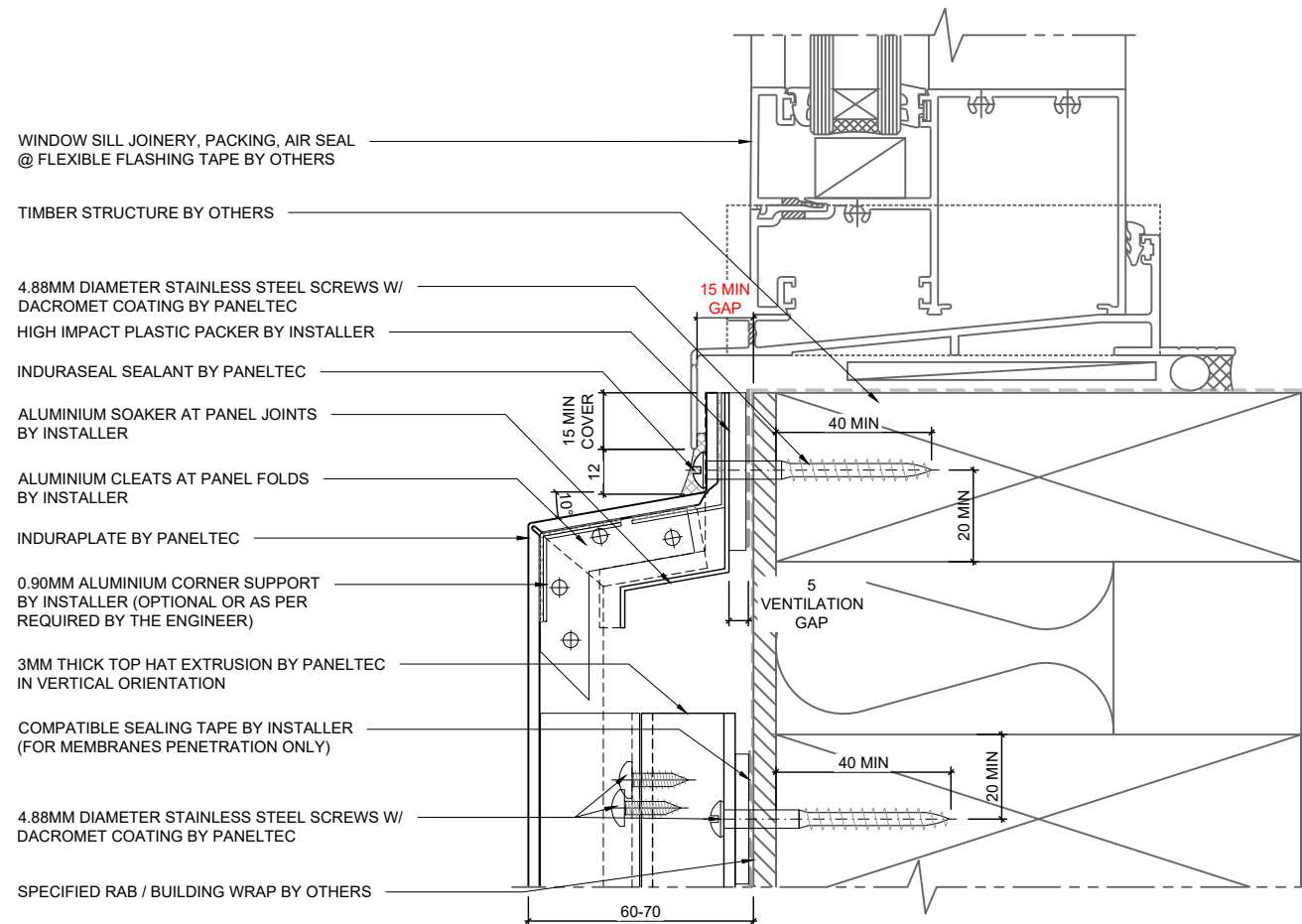


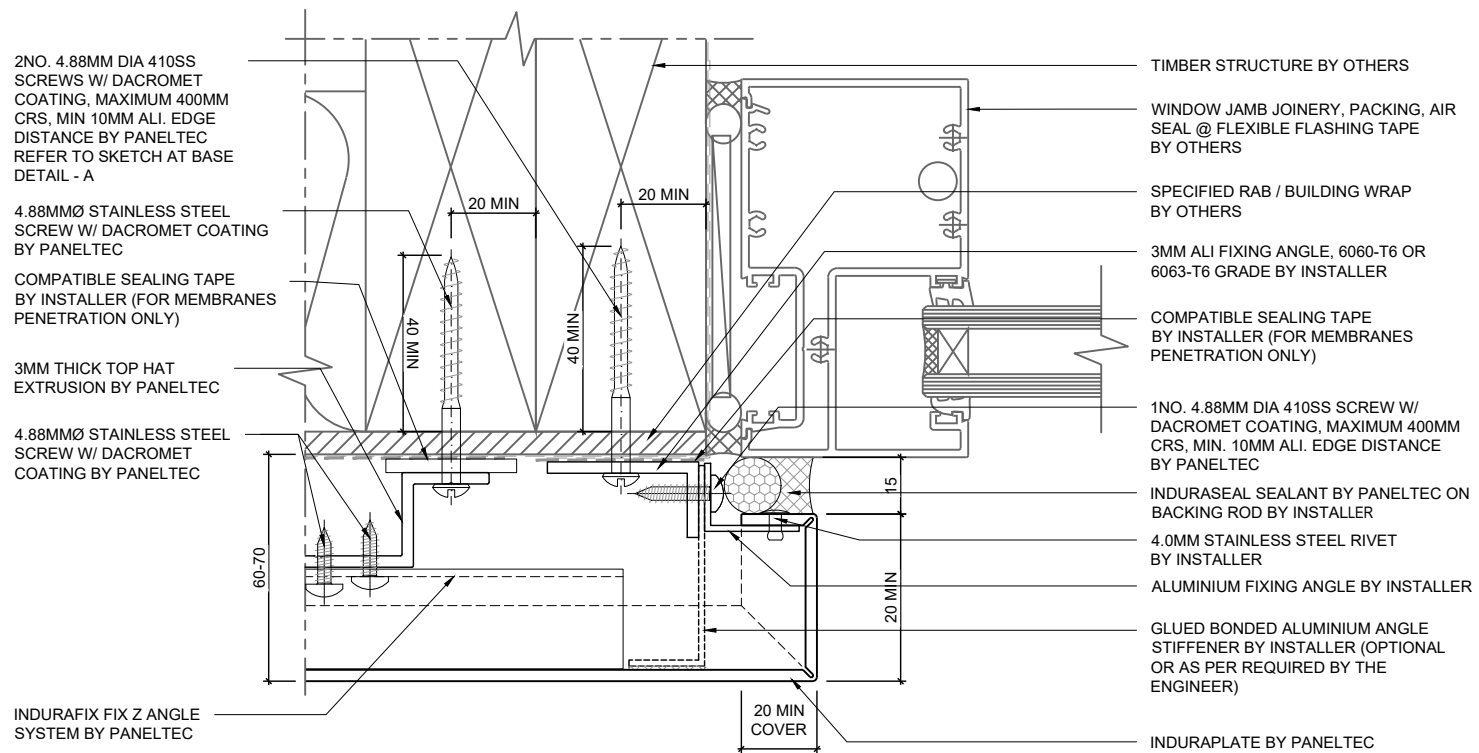
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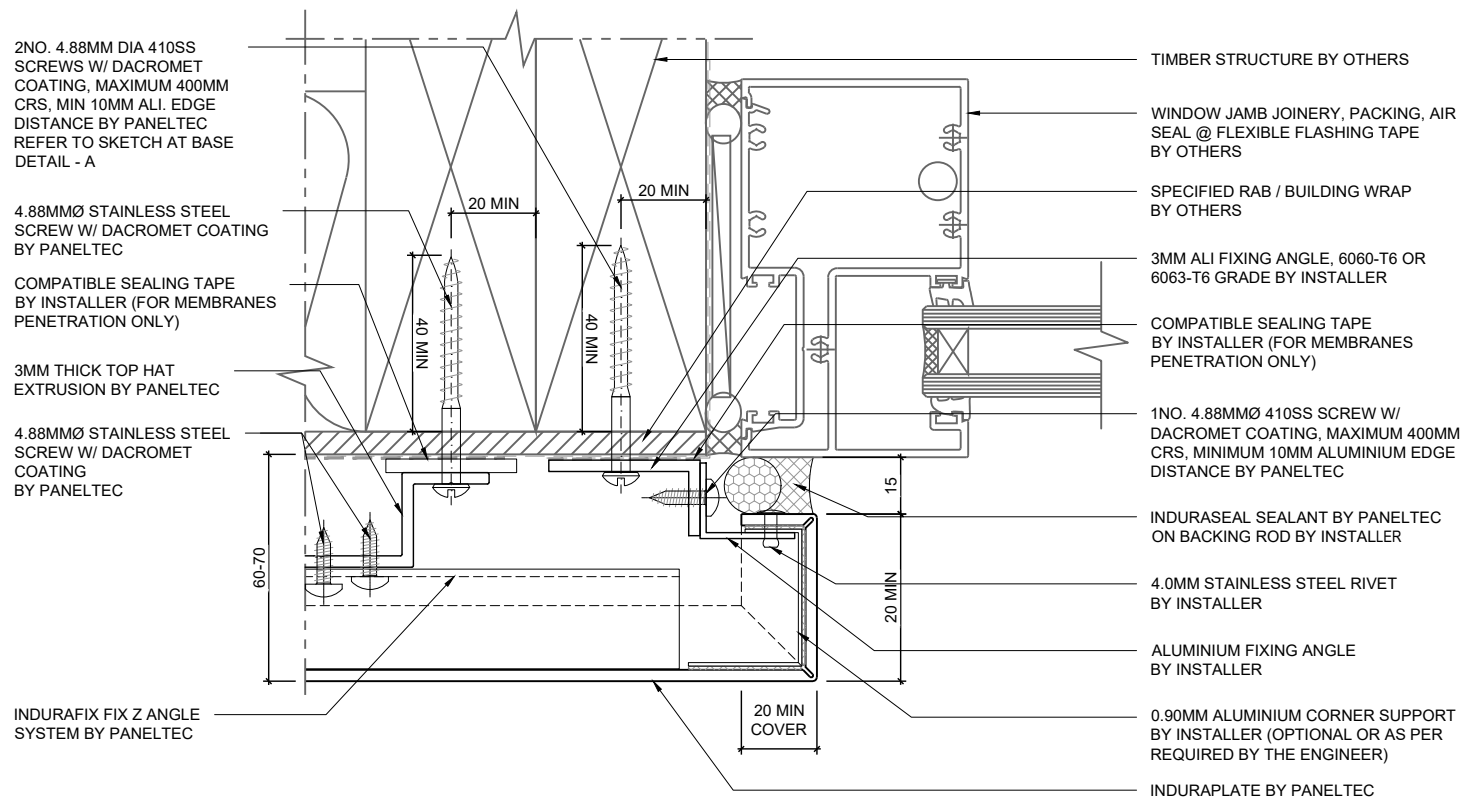
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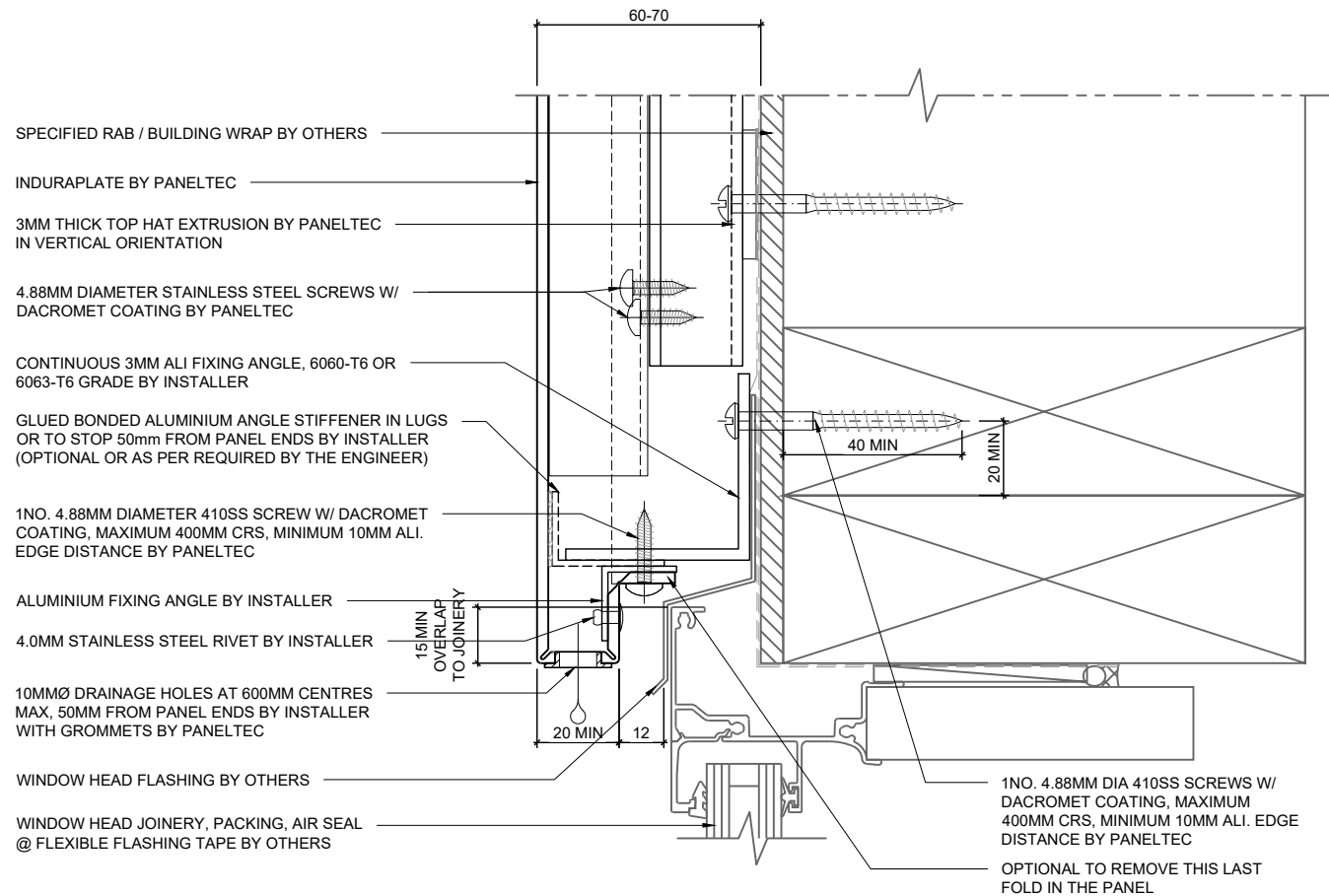


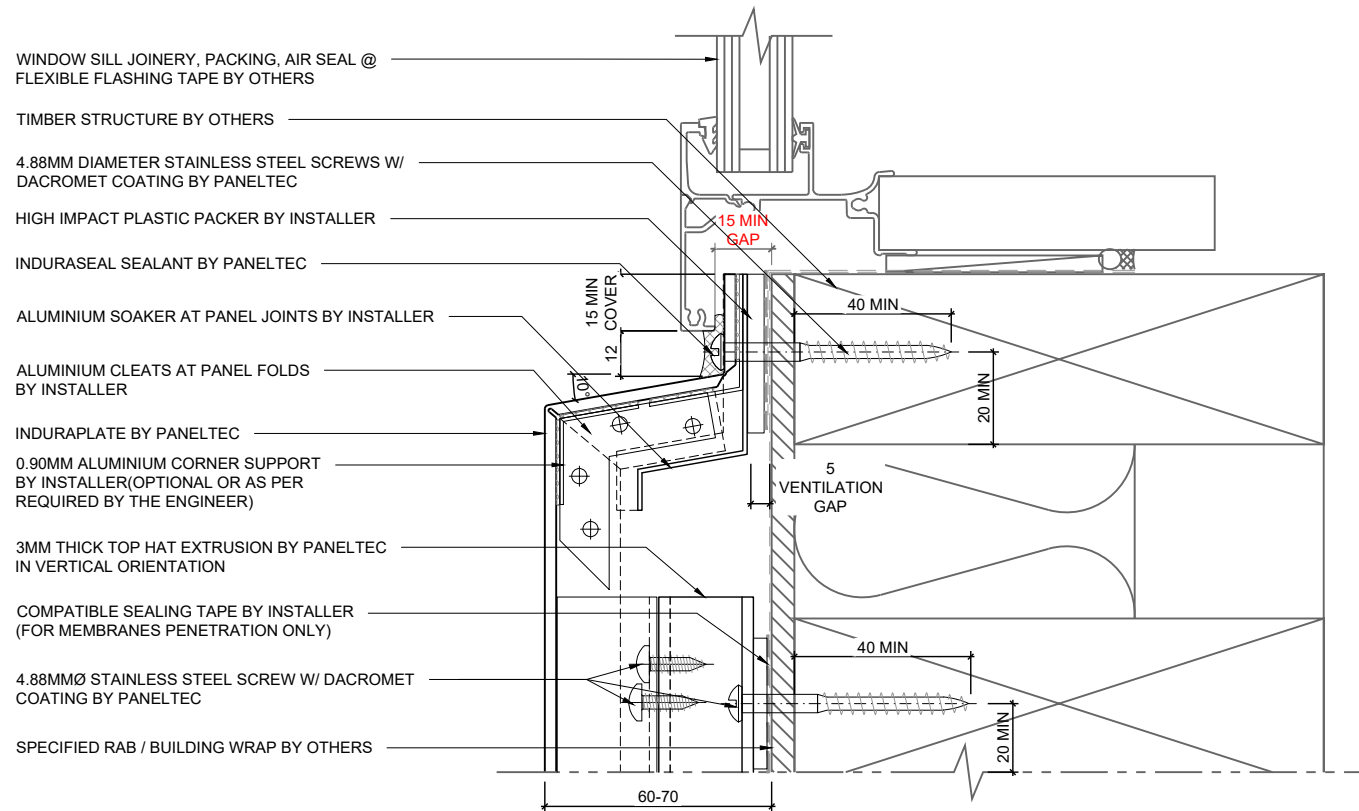


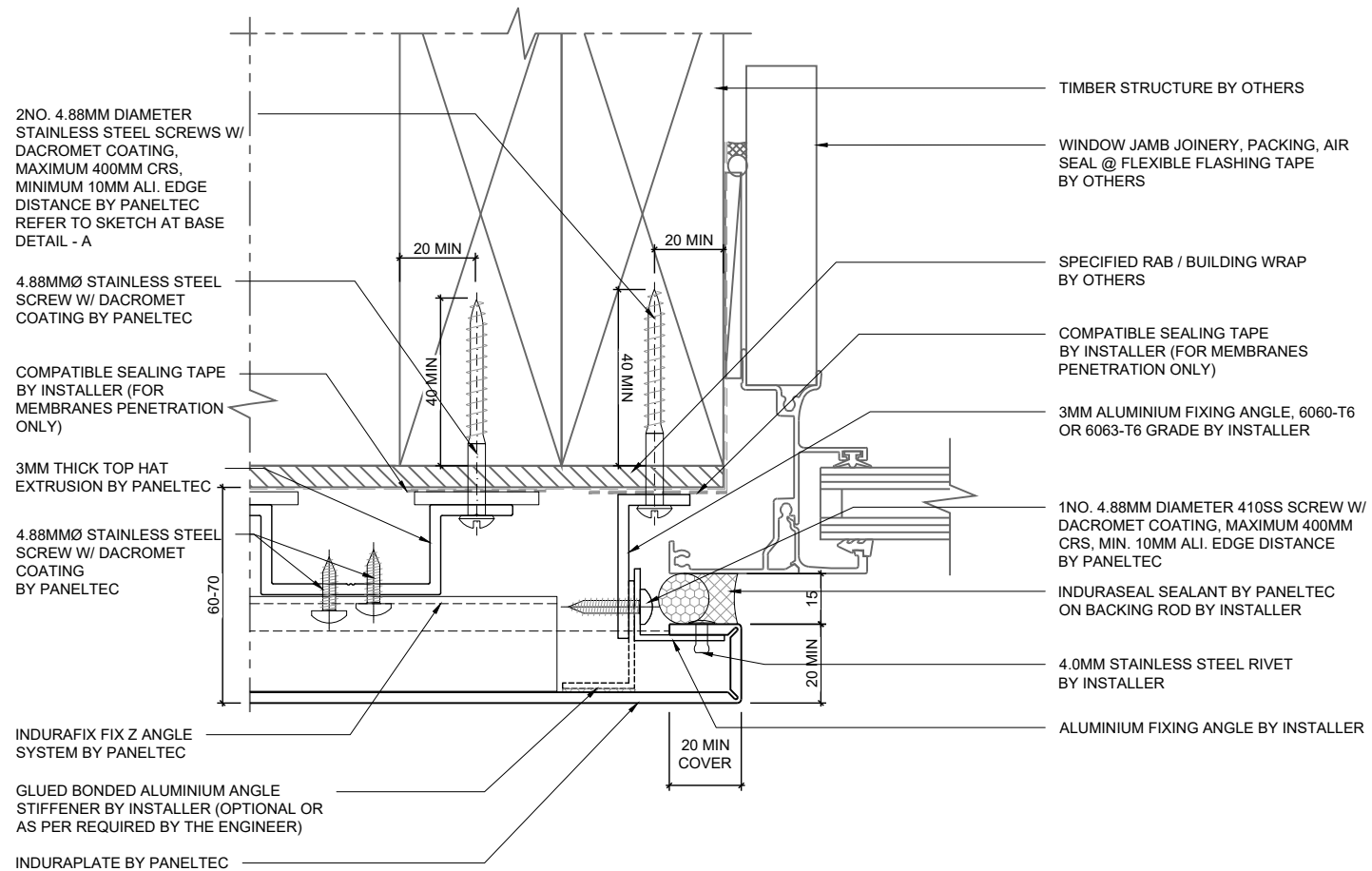


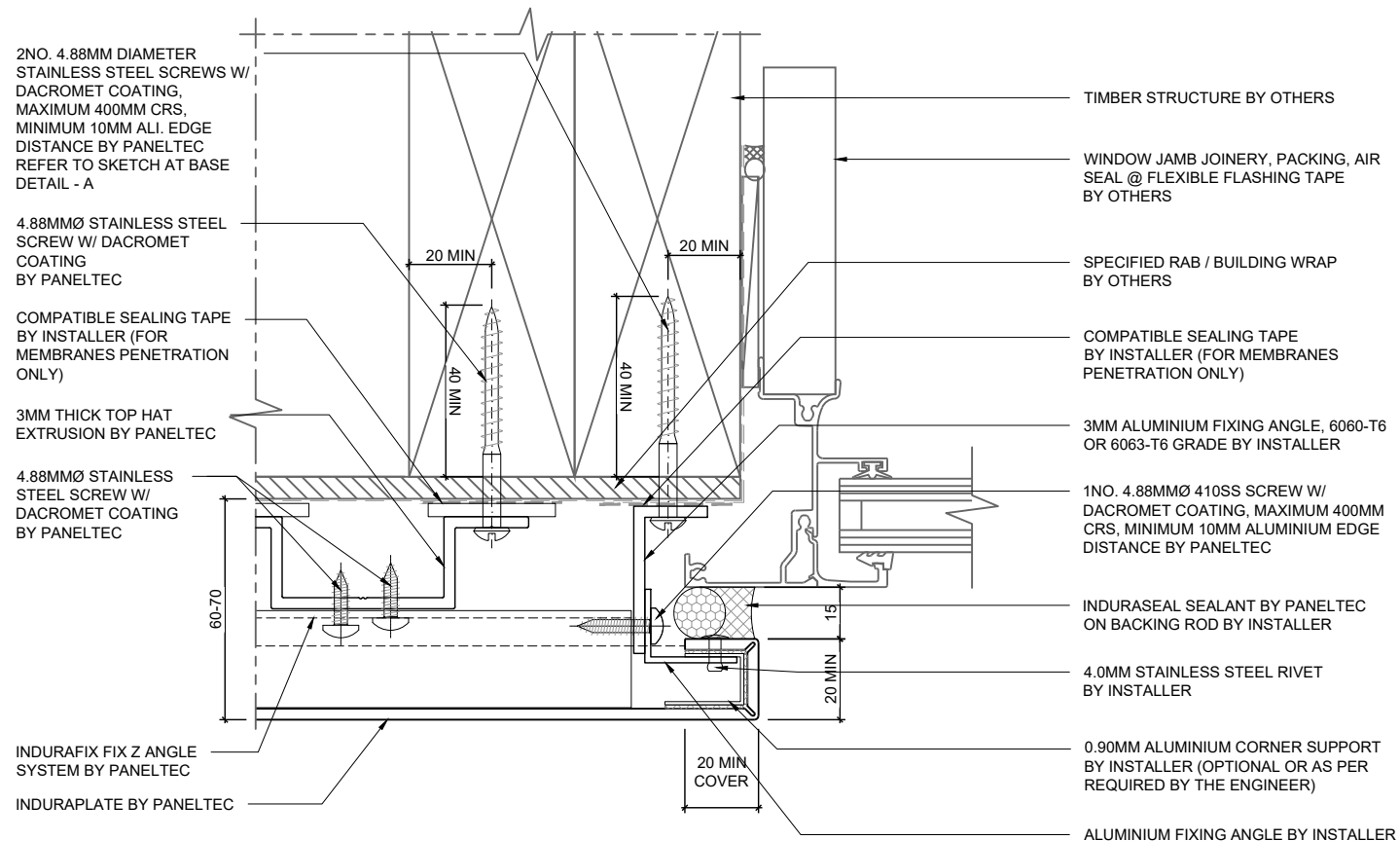


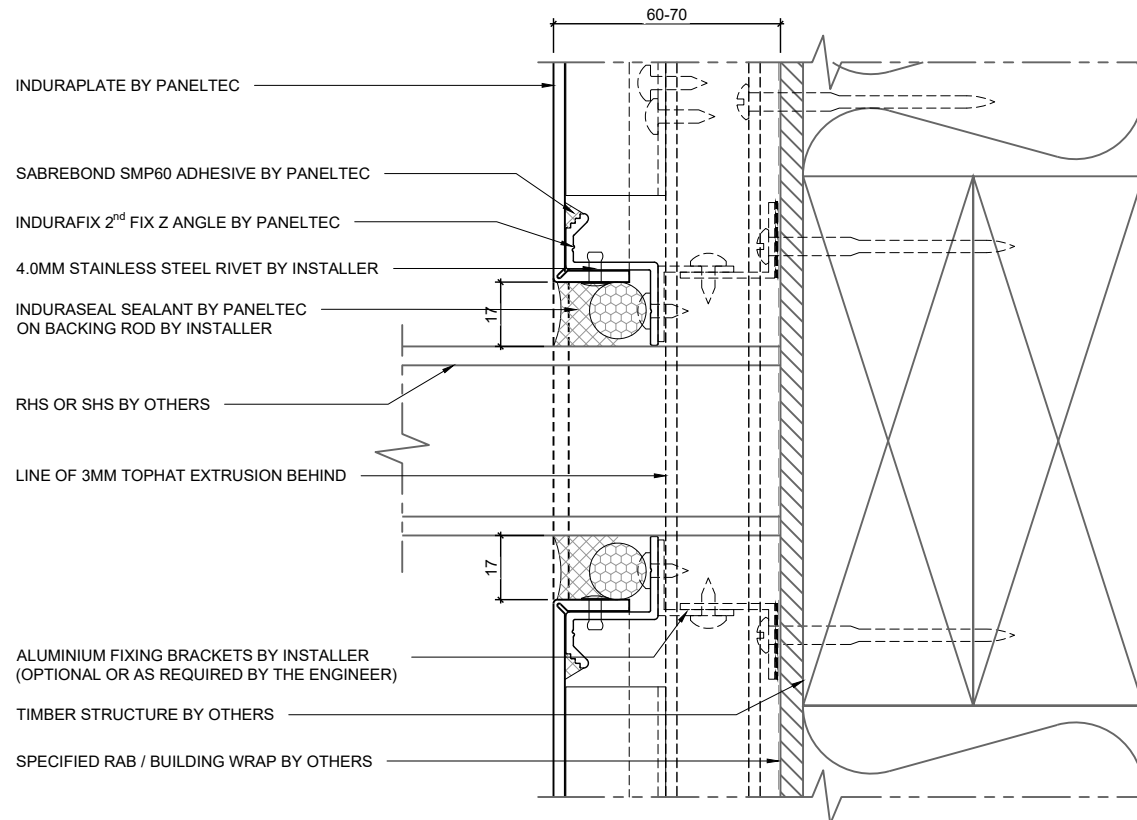


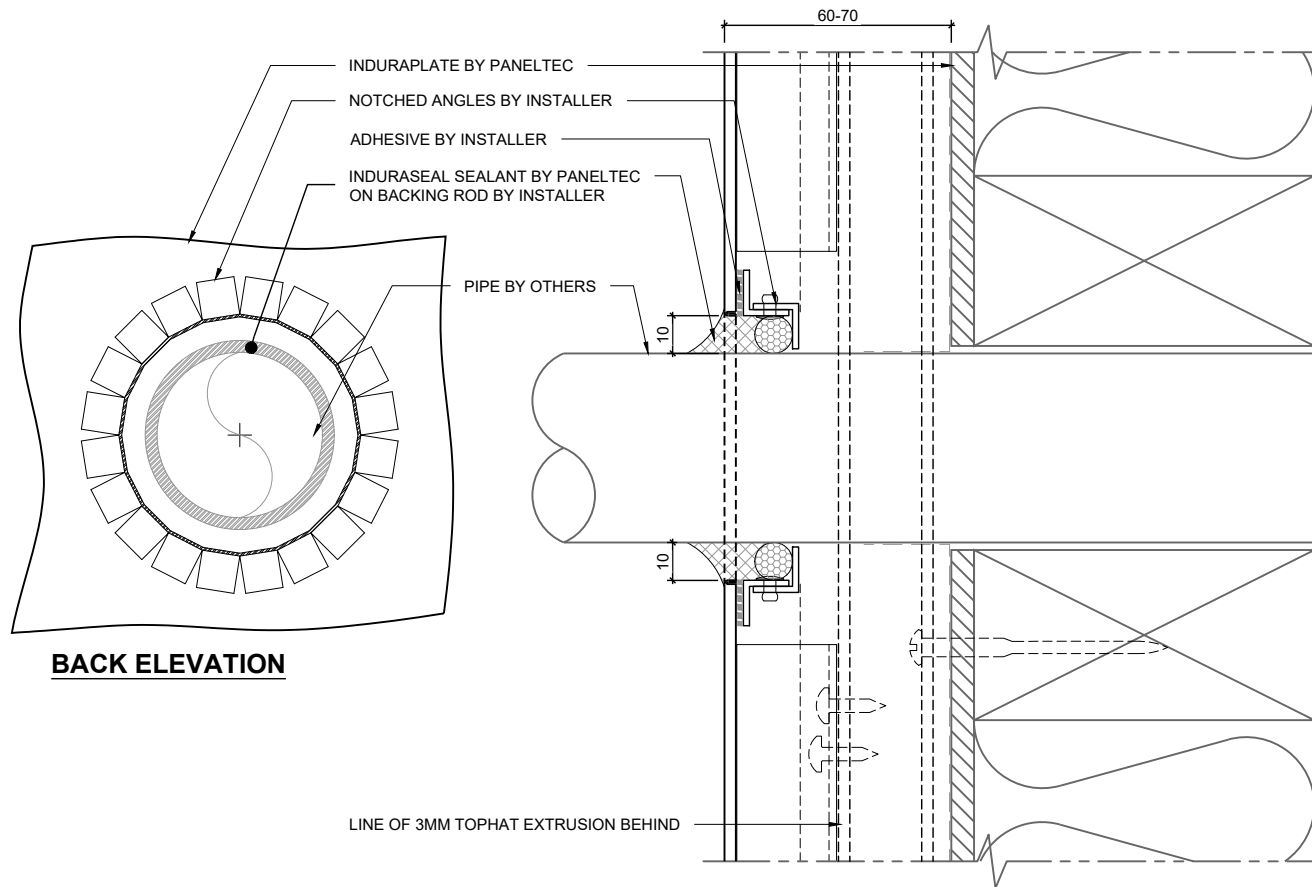


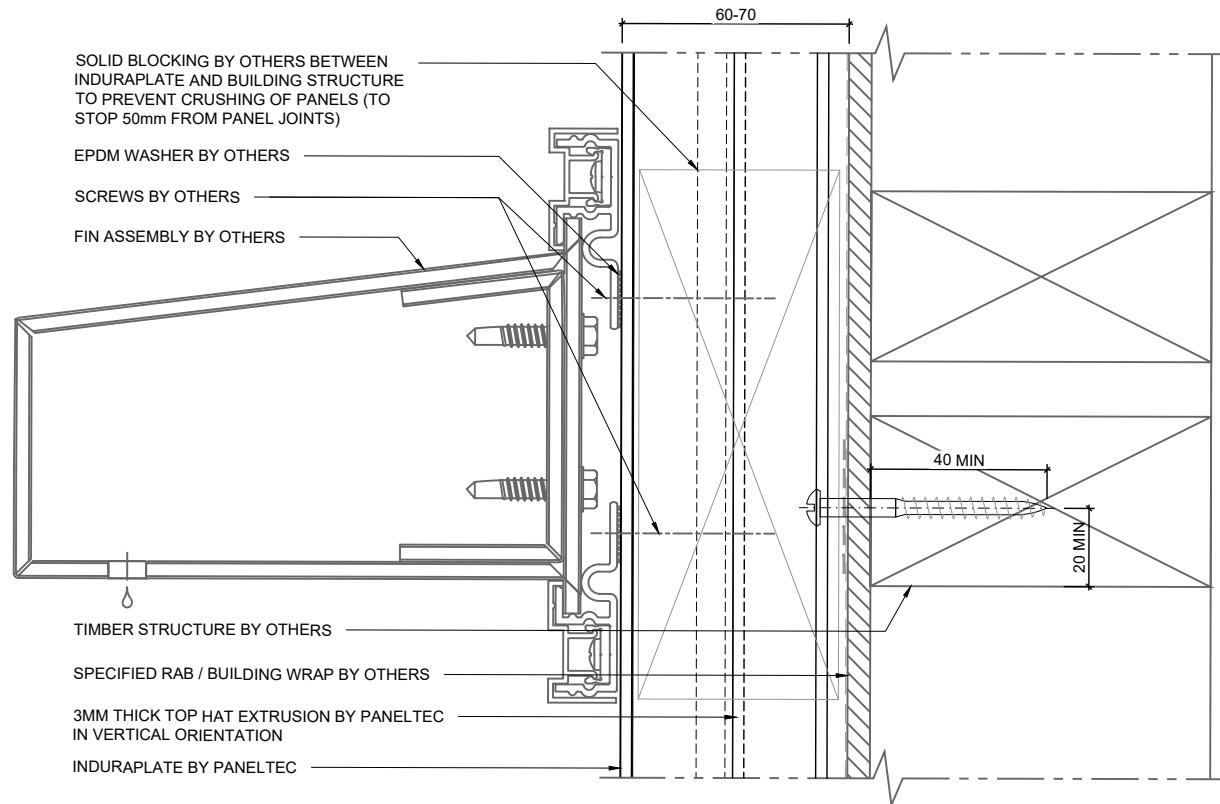


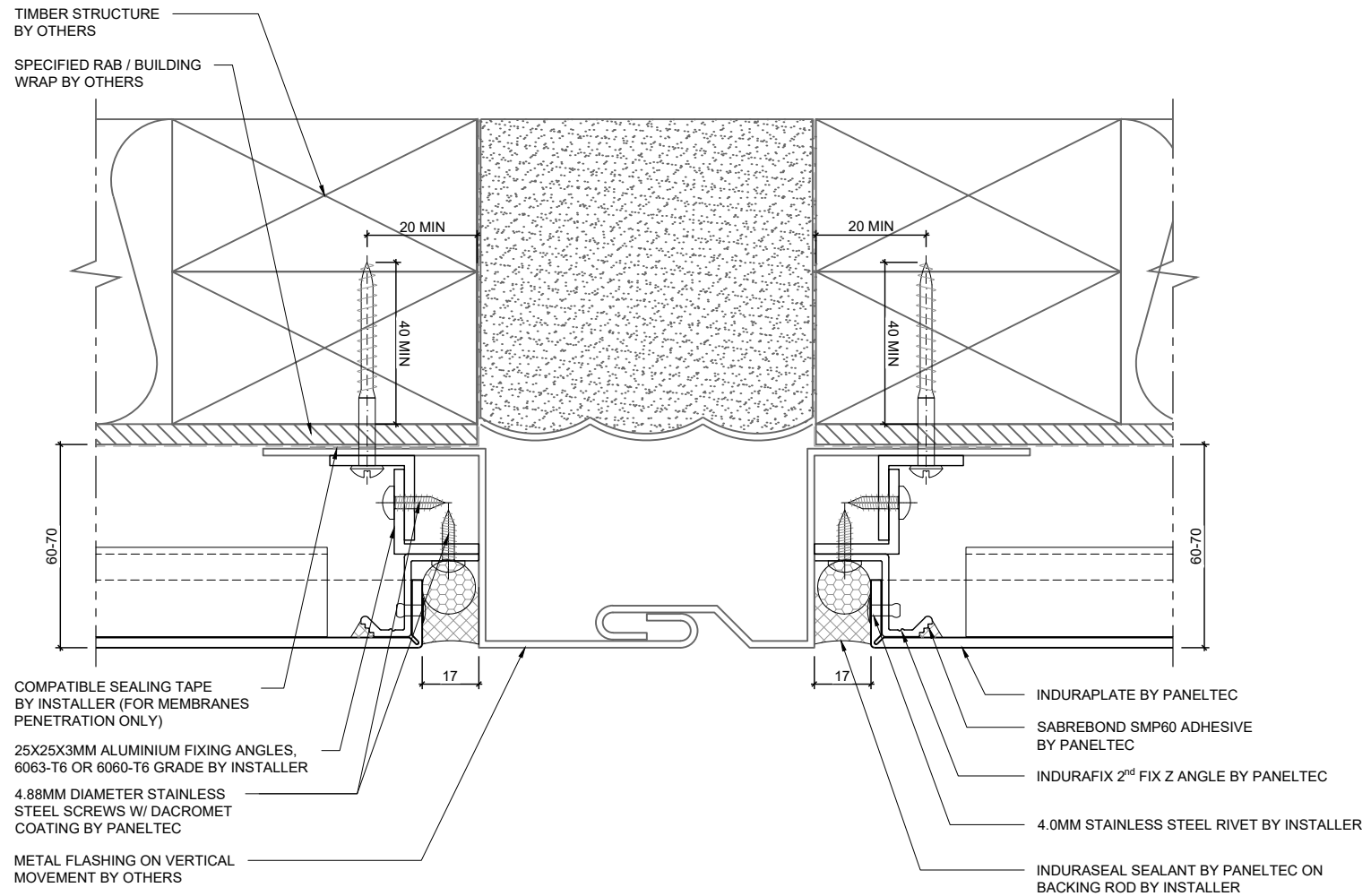


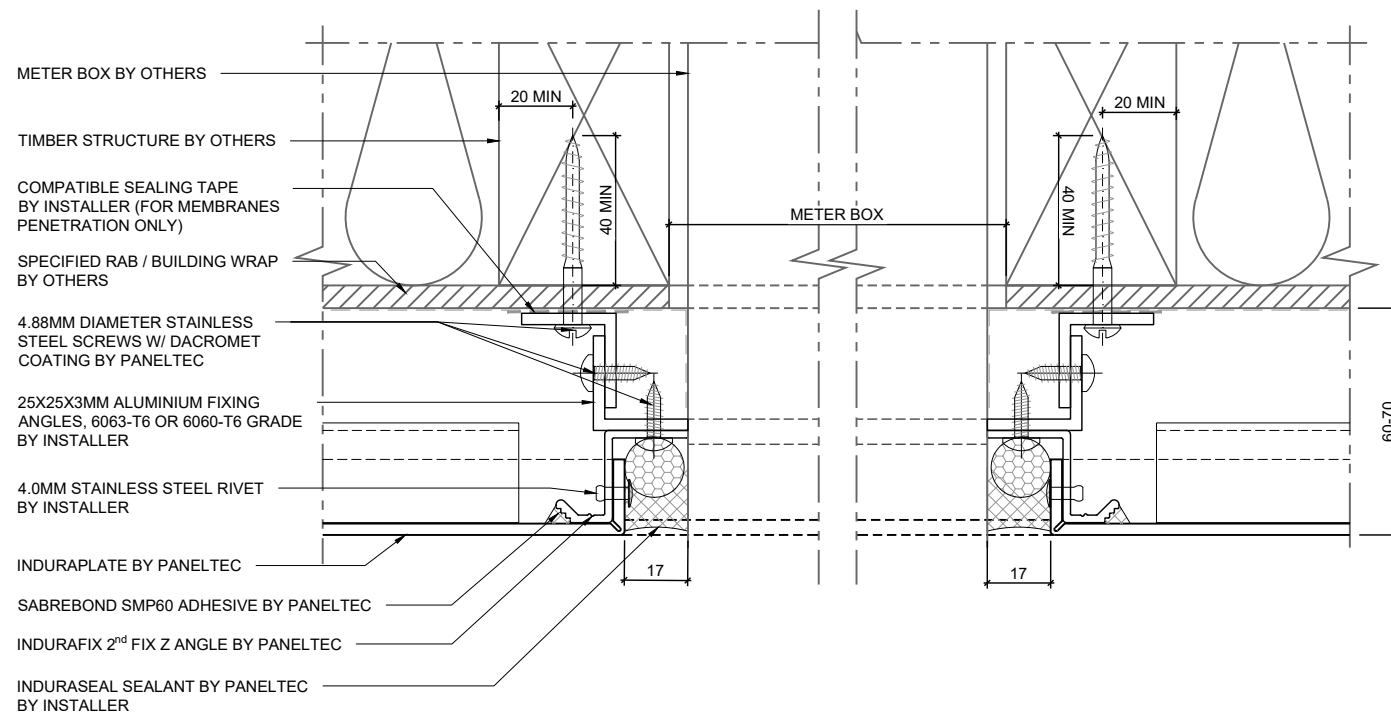


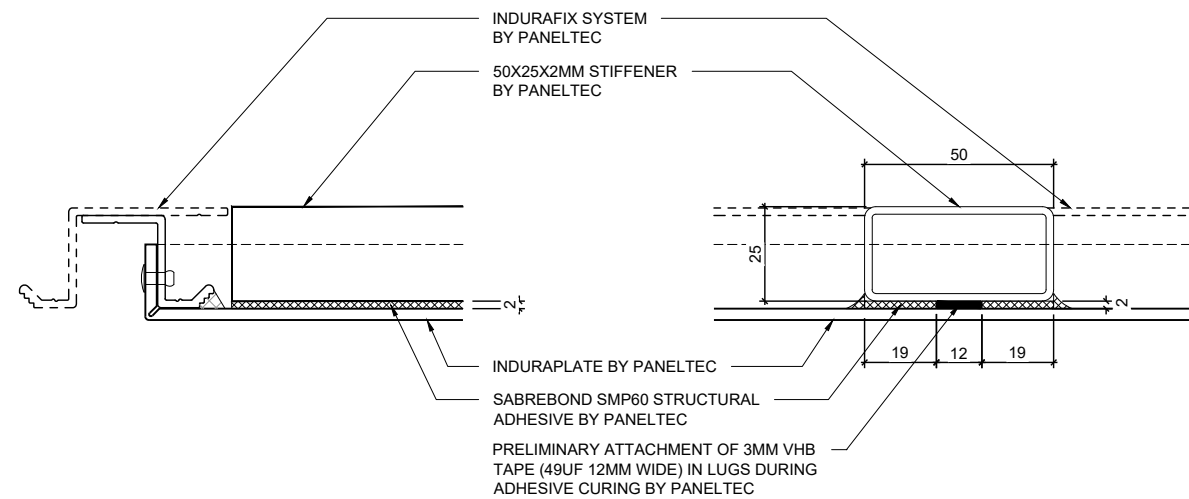












FIXING OF STIFFENER TO INDURAPLATE LEG

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
www.paneltec.co.nz

