

TECHNICAL MANUAL



ALPOLIC[®] NC/A1



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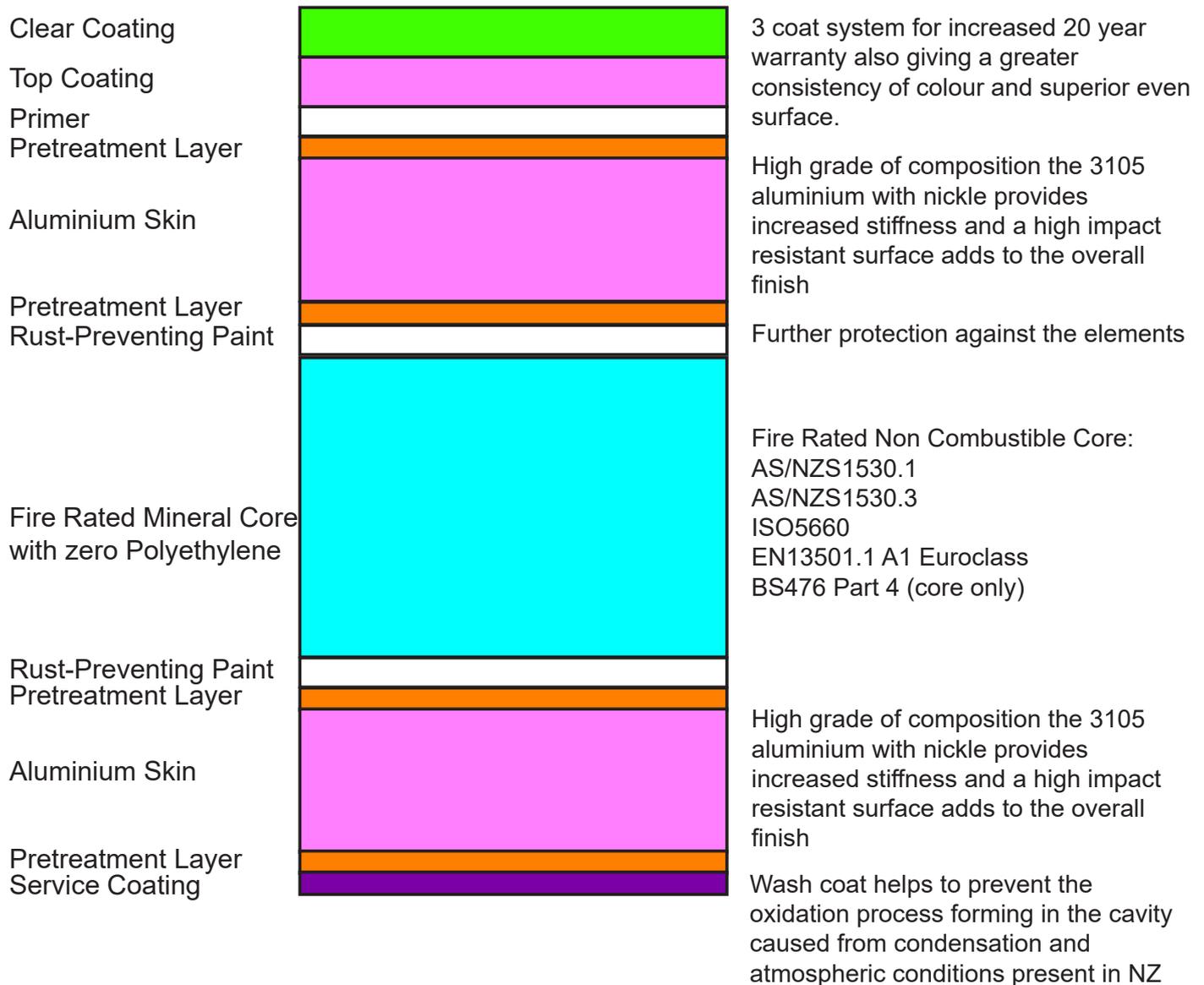
1. GENERAL DESCRIPTION

ALPOLIC® NC/A1 (European Class) is a fire safe aluminum composite material with a non-combustible mineral core with ZERO Polyethylene. It is suitable for use for:

- Commercial, High Rise and curtain wall cladding
- Corporate Signage
- Fascia
- Fire-rated Wall linings
- Fire-rated Ceiling linings
- Feature Walls

ALPOLIC® NC/A1 is coated with Lumiflon FEVE Polymer (CFTE) paint with a 20 year warranty for applications further than 1 km from the ocean and 15 years for closer to water applications.

ALPOLIC® NC/A1



2. COMPLIANCE WITH THE BUILDING CODE

ALPOLIC[®] NC/A1 obtains a PASS and complies to the S14G of the New Zealand Building Act 2004, confirming that the product has guaranteed acceptance by the regulatory bodies.

3. SCOPE

Scope and Limitations are stated on the ALPOLIC[®] NC/A1 PASS visit www.alpolic-nz.co.nz Recommendations by PSP Limited are based on good building practice and are not a complete statement of all relevant data. As the installation of the products rely on factors outside the control of PSP Limited, PSP Limited assumes no responsibility for work/systems used in connection with the installation of our products and their suitability to satisfy relevant Building Codes and Regulations, Standards and Council Requirements.

6 MAINTENANCE REQUIREMENTS

Regular maintenance is essential to maximise the serviceable life of ALPOLIC[®] NC/A1

An inspection of ALPOLIC[®] NC/A1 installations should be undertaken at least annually to determine the condition of the whole building. Items to be checked include, but are not limited to:

- a) Dirt - any accumulation of dirt should be washed from the surface of the panels.
- b) Scratches and Dents - these need to be identified and repaired.
- c) Joint Sealant - identify any failures and repaired

7. WARRANTY

The manufacturer of the ALPOLIC[®] NC/A1 panels provides a minimum of 15 years warranty (from date of completion) when the panel forms part of the ALPOLIC[®] NC/A1 closer than 1 km from the ocean. The manufacturer of the ALPOLIC[®] NC/A1 panels provides a minimum of 20 years warranty (from date of completion) when the panel forms part of the ALPOLIC[®] NC/A1 further than 1 km from the ocean. PSP Limited warrant the ALPOLIC[®] NC/A1 for not less than 15 years provided it is installed in accordance with the most current PSP technical literature.

8. NOMINATED SYSTEM REQUIREMENTS

a) ALPOLIC[®] NC/A1 Panels

Sizes available on Indent: 2489mm x 1575mm, 3099mm x 1270mm, 3099mm x 1575mm & 4000mm x 1575mm

Colours Available: White M9010, Black MJ062, Charcoal M7991, Silver Metallic M9170, Dark Grey Metallic MB106, Champagne Metallic M9177, Medium Bronze Metallic M9221, Galaxy Metallic BF7542, Sparkling White MD046, Sparkling Black MD044, Sparkling Grey MD045, Sparkling Dark Grey MD049, Cloud White Matte CWM & more visit www.alpolic-nz.co.nz to view full range.

- b) Stainless Steel fixings in accordance E2/AS1 Table 20 and current NZBC legislation
- c) Flashings – Marshall innovations trade seal self-adhesive collar
- d) Metal flashings complying with E2/AS1 Table 7 and current NZBC legislation
- e) Sealants Sikaflex AT Façade
 Holdfast Fix All MS Polymer
- f) Aluminium Angle Fixing Brackets
- g) PEF backing rods
- h) Plastic Packers/shims

Where products other than the above are substituted it is the responsibility of the installer to ensure that the product is fit for purpose. If nominated components are substituted without the knowledge of PSP Limited, any warranties may be void.

PRE-CLADDING CHECKLIST

For builders, installers & building inspectors

Consent No: _____

Commence Date: _____

Client Name: _____ phone: _____

Builder: _____ phone: _____

Architect: _____ phone: _____

Owner/Builder must have the framing and other components of the building correctly installed to enable the installation of ALPOLIC[®] NC/A1 .

Floor slab layout:

- Ensure distance from outside of framing to outside of concrete footing is exactly 50 on all sides of building.
- If slightly under it is okay on single storey. This allows 50mm for the ALPOLIC[®] NC/A1 panels.
- Ensure ground level is 250mm below floor level, minimum 300mm out around base to allow for installation work.

Rebate:

- Install approved DPC as per manufacturers' specifications.
- Smooth and level

Framing:

- All straight and level
- Studs straightened for wall lining before ALPOLIC[®] NC/A1 panels are installed

Wall Wrap/ Rigid Air Barrier:

- Exterior timber framed walls must be wrapped with building wrap that complies compliance document E2/AS1 table 23.
- RAB/Wall wrap must be fixed to the exterior wall framing prior to installation of ALPOLIC[®] NC/A1 panels.
- Ensure wall wrap/RAB is continuous around corners and installed as per the manufacturers instructions.
- Ensure that all penetrations such as waste water pipes and the like have been flashed to the building wrap using "approved flexible flashing tape".

Joinery:

- The builder is also responsible for the application of approved flexible flashing tape around openings prior to the installation of any joinery.

Plumbing:

- All plumbing including gas lines need to be pressure tested prior to installation of internal linings.

Variables / Concerns / Comments:

Builder / Owner: _____

Signature: _____

PRE-SEALANT CHECKLIST

For builders, installers & building inspectors

Consent No: _____
Commence Date: _____
Client Name: _____ phone: _____
Builder: _____ phone: _____
Architect: _____ phone: _____

PSP recommends an inspection by Building Inspector prior to sealant

- Panels must be flat, true & straight with minimum 6 screws per sheet
- All external and internal corners are vertical and square, and fastened with the screws tightly
- Ensure that the drainage holes of window head, cladding base are in place and installed properly
- Ensure window head flashing tape is fixed in place, level, straight, tightly and properly
- Sill and base flashings are installed as required in this specification
- All pipe work/penetrations through cladding are installed as required in this specification

Variables / Concerns / Comments:

Installer: _____

Signature: _____

Approved by: _____

Signature: _____

FINAL CHECKLIST

For builders, installers & building inspectors

Consent No: _____

Commence Date: _____

Client Name: _____ phone: _____

Builder: _____ phone: _____

Architect: _____ phone: _____

- Specified depth and width of sealant have been applied, finished to manufacturer's specification
- All the drainage holes are working and not blocked
- Specified review of coating system has been applied, any damage of coatings is repaired and finished to manufacturer's standard
- All the penetrations including plumbing pipe work and the like are filled with foam tape under fittings

Variables / Concerns / Comments:

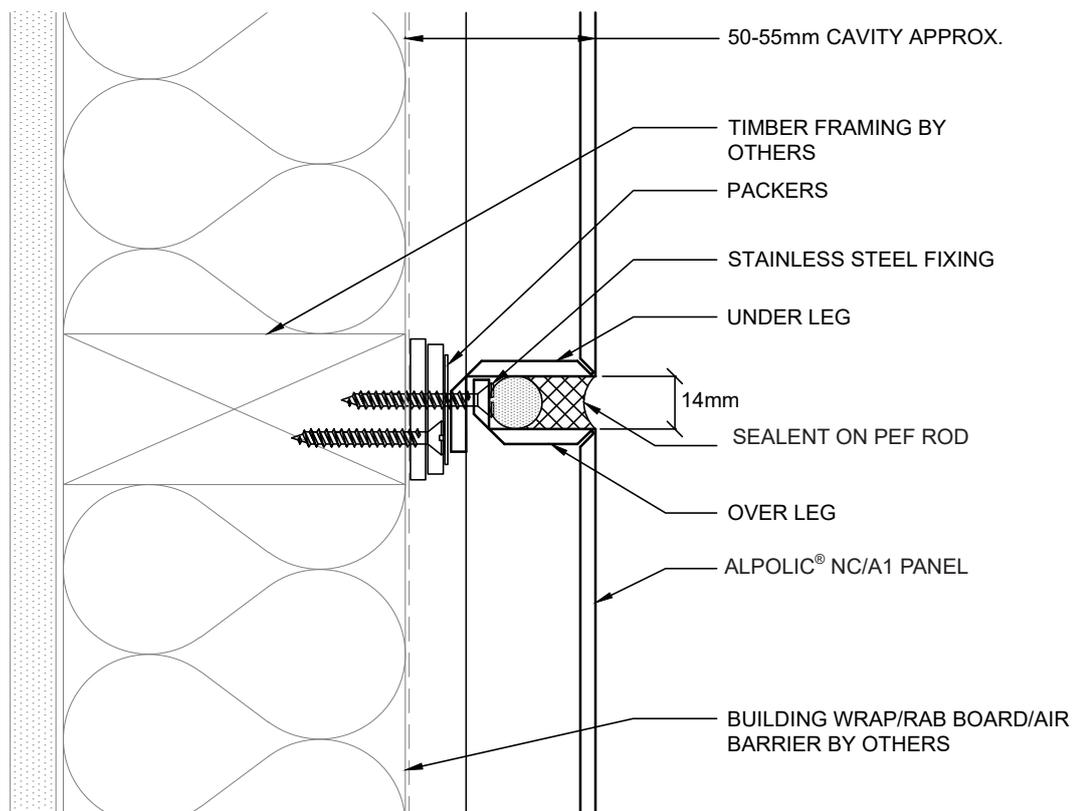
Builder/Owner: _____

Signature: _____

Approved by: _____

Signature: _____

ALPOLIC[®] NC/A1

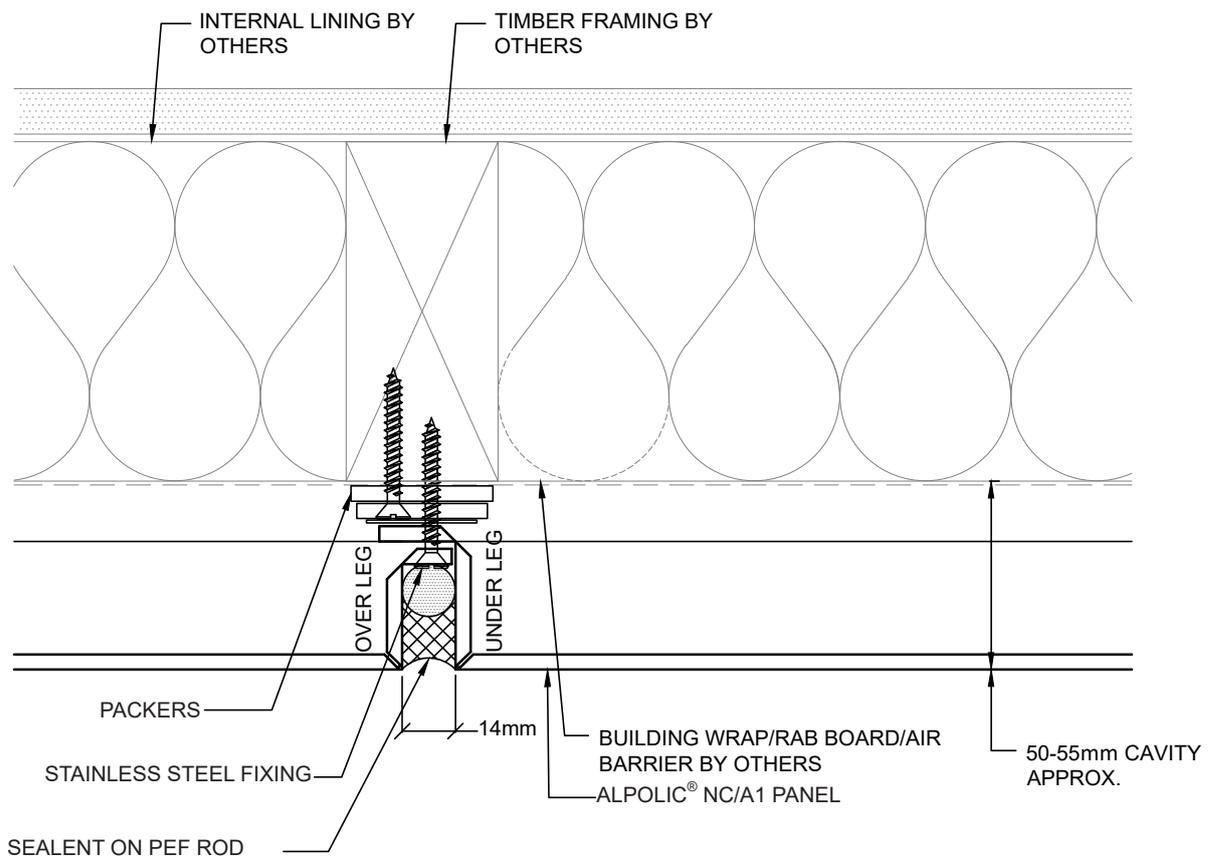


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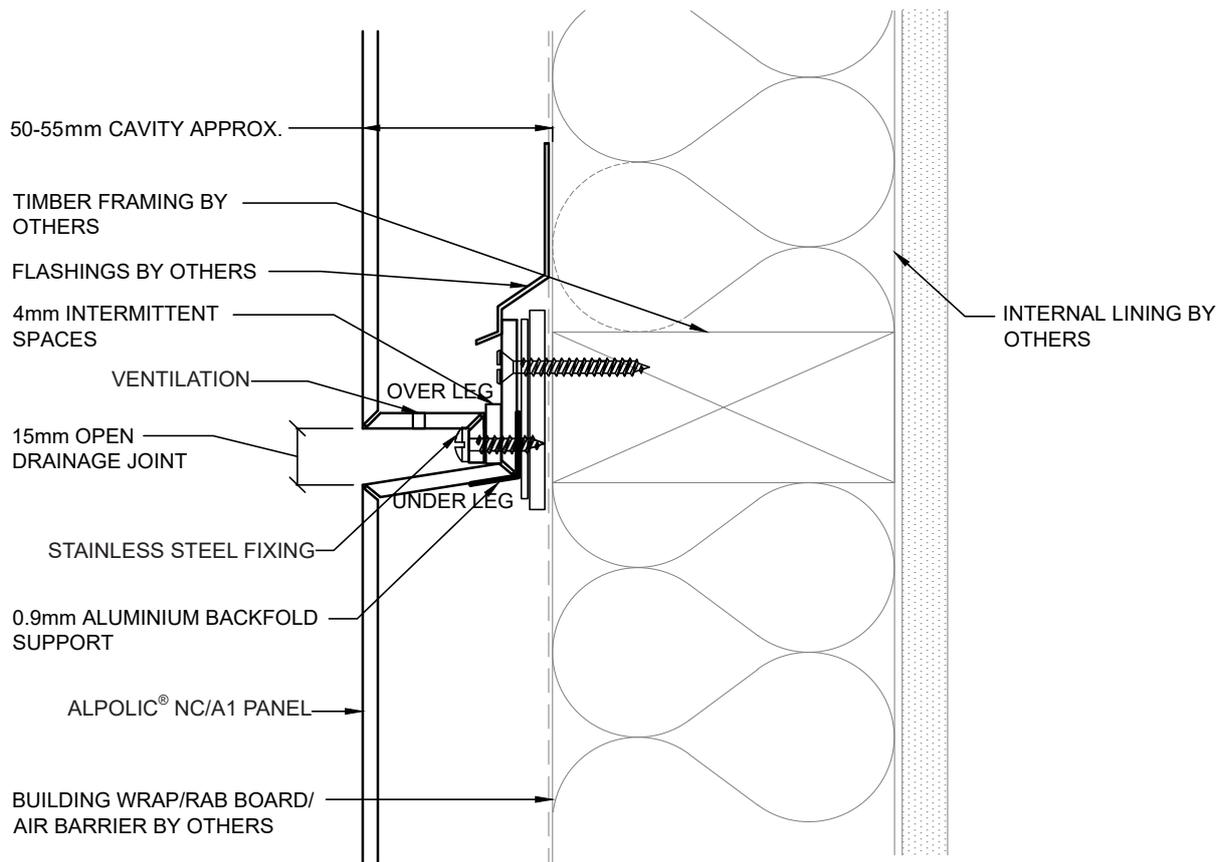
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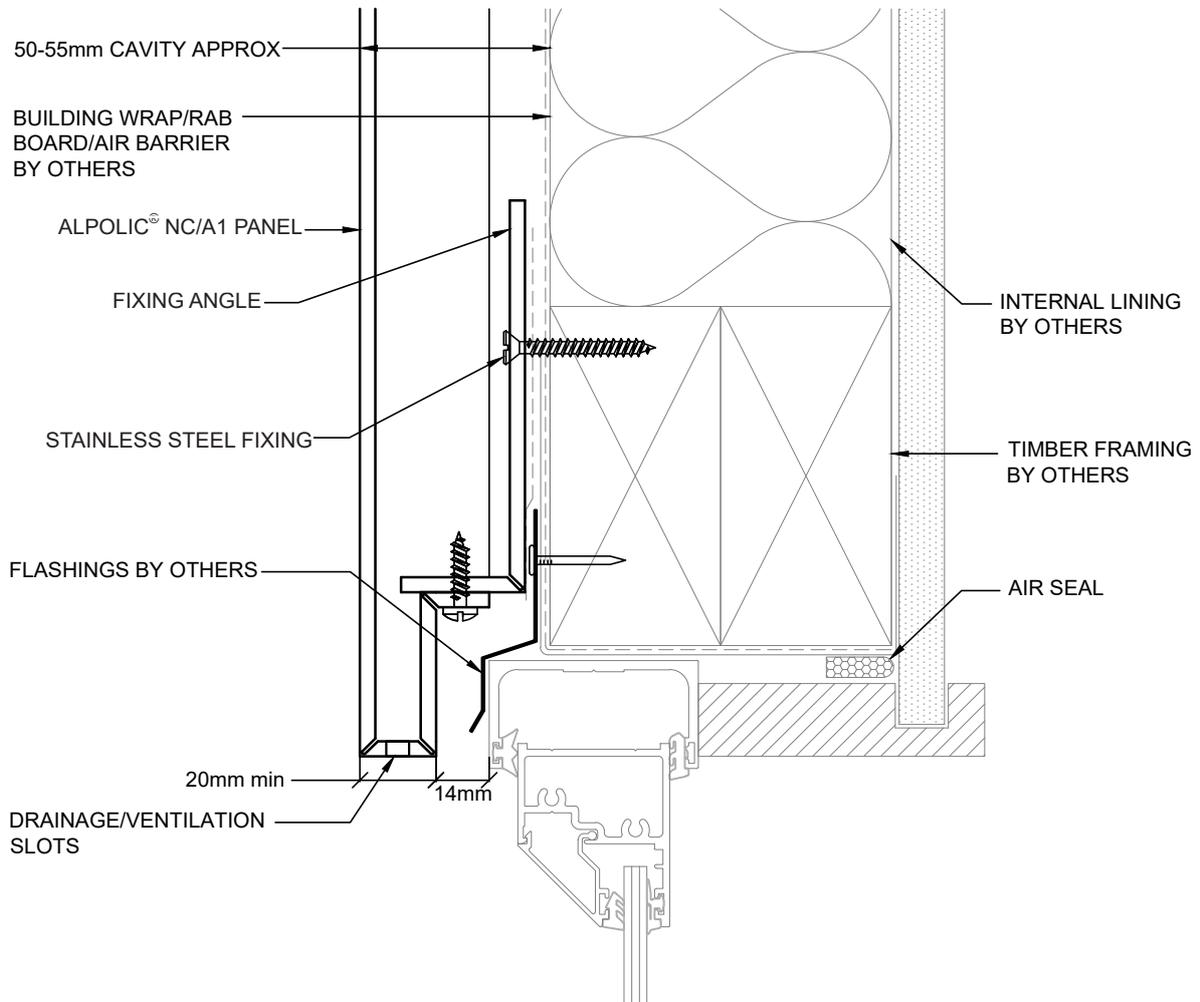


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ALPOLIC® NC/A1



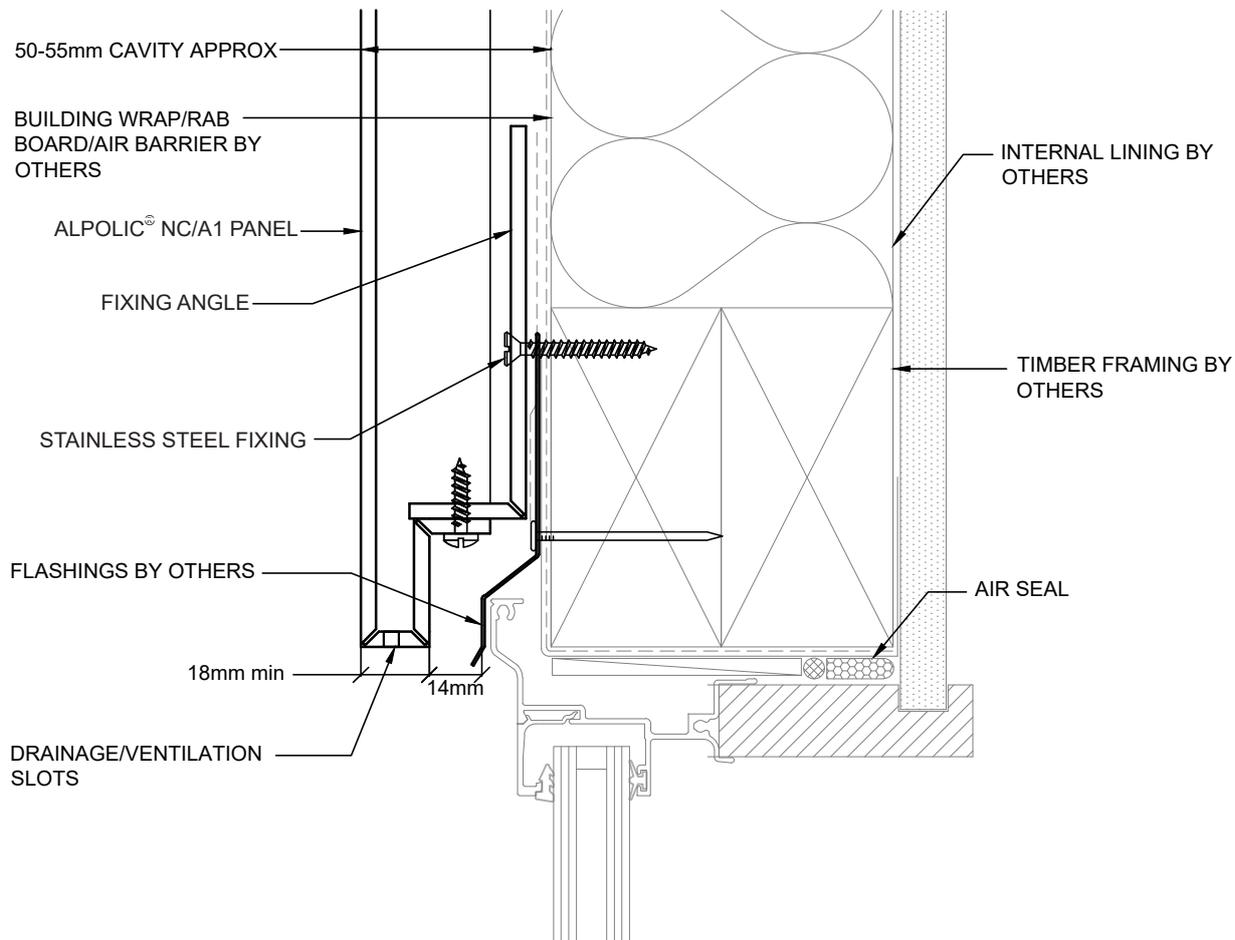
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ALPOLIC[®] NC/A1



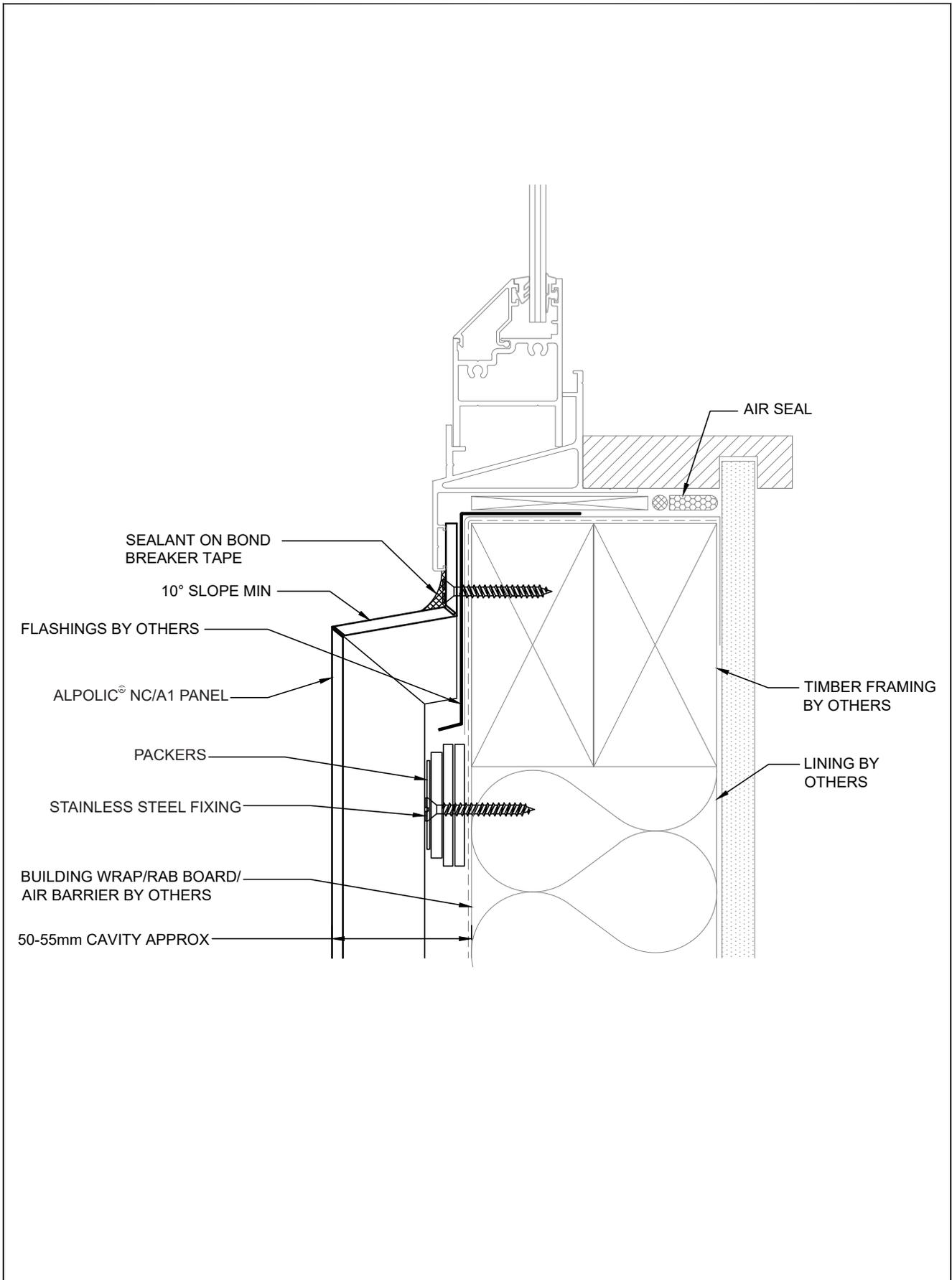
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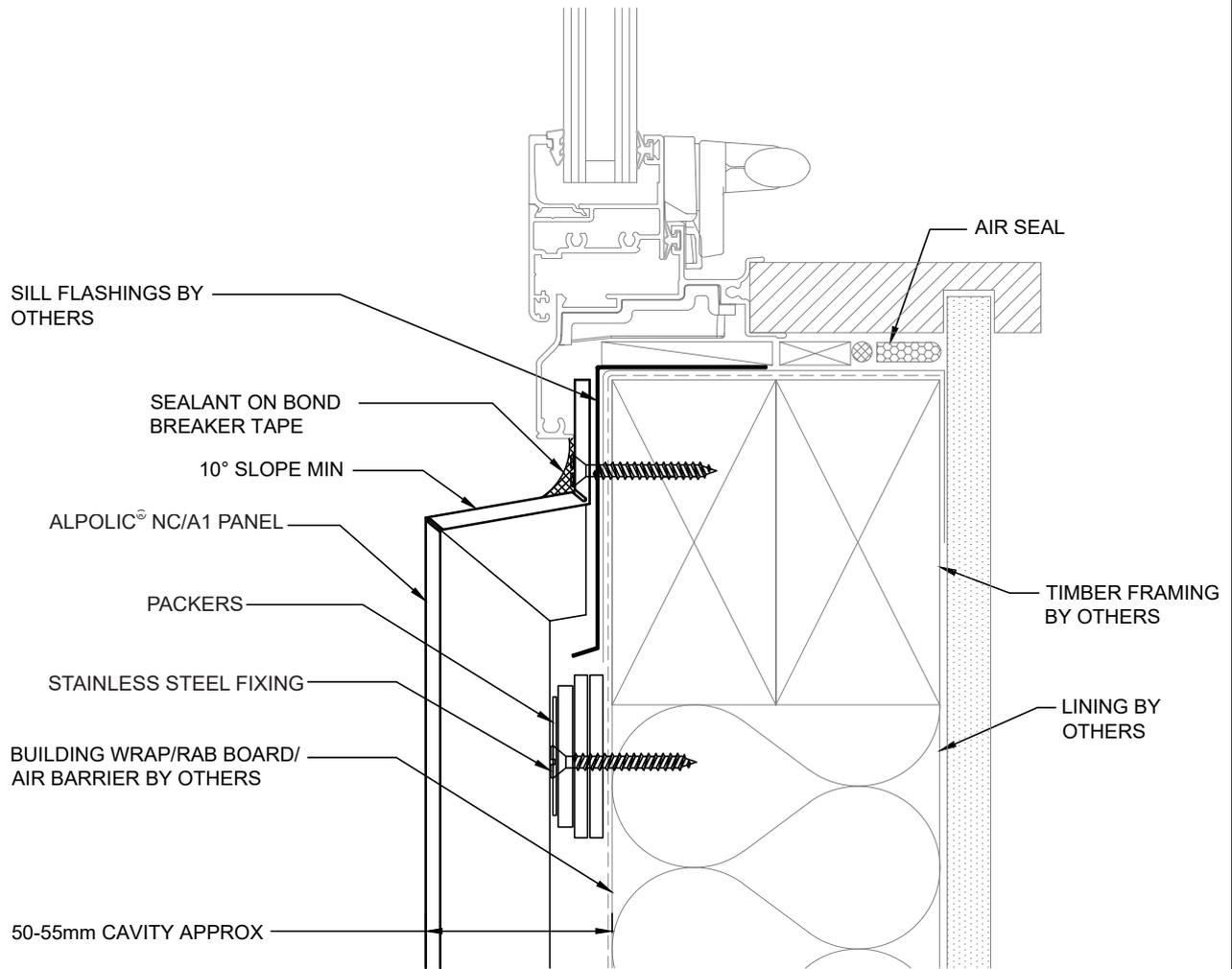
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ALPOLIC[®] NC/A1



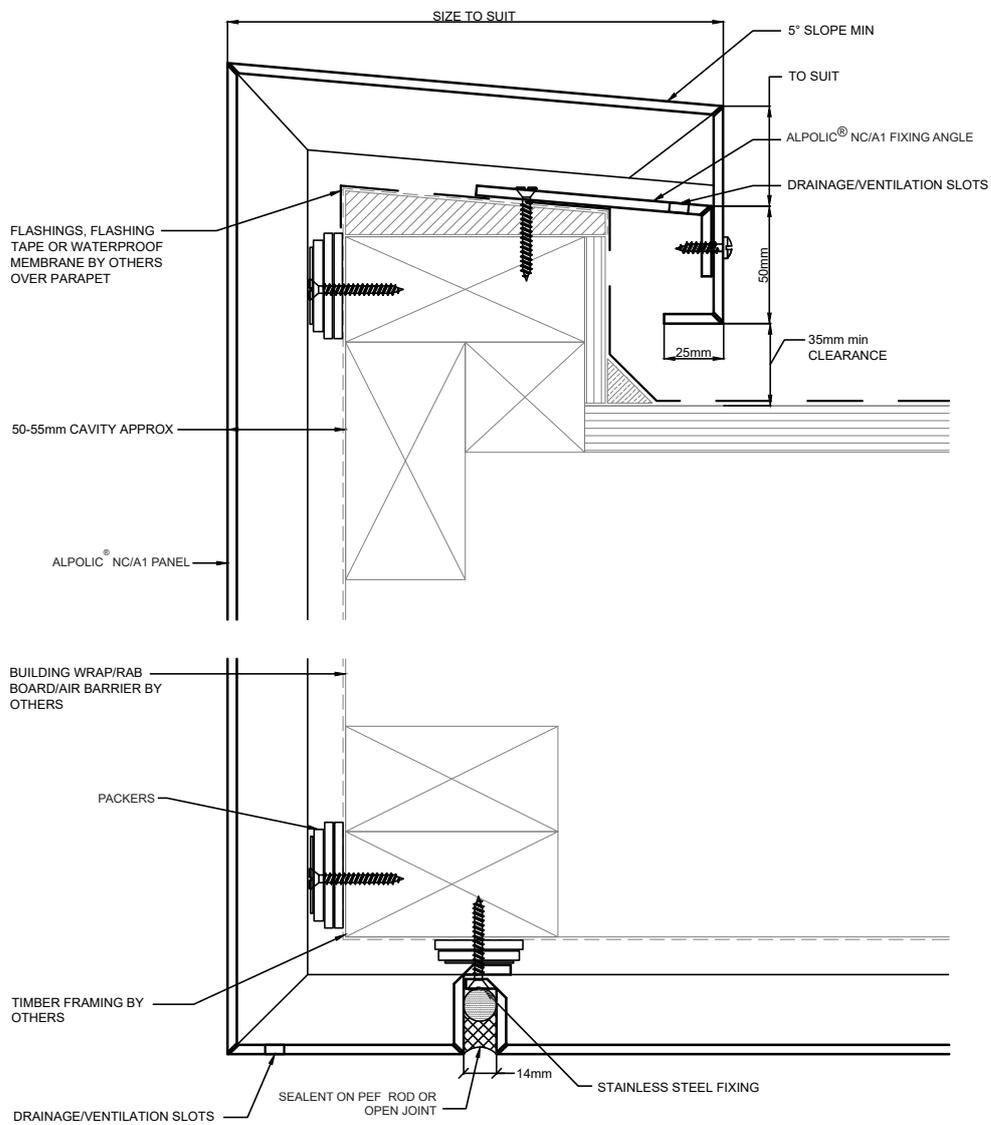
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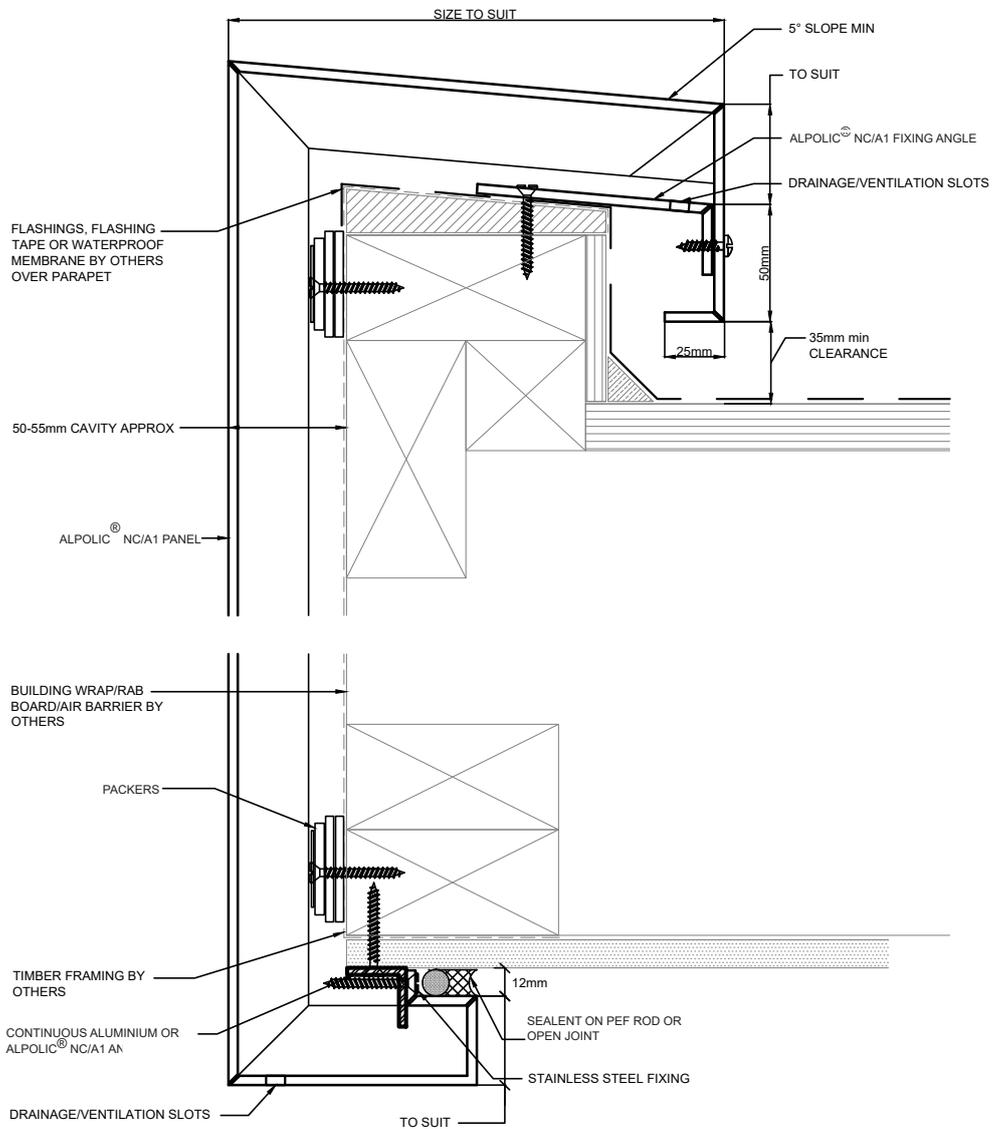
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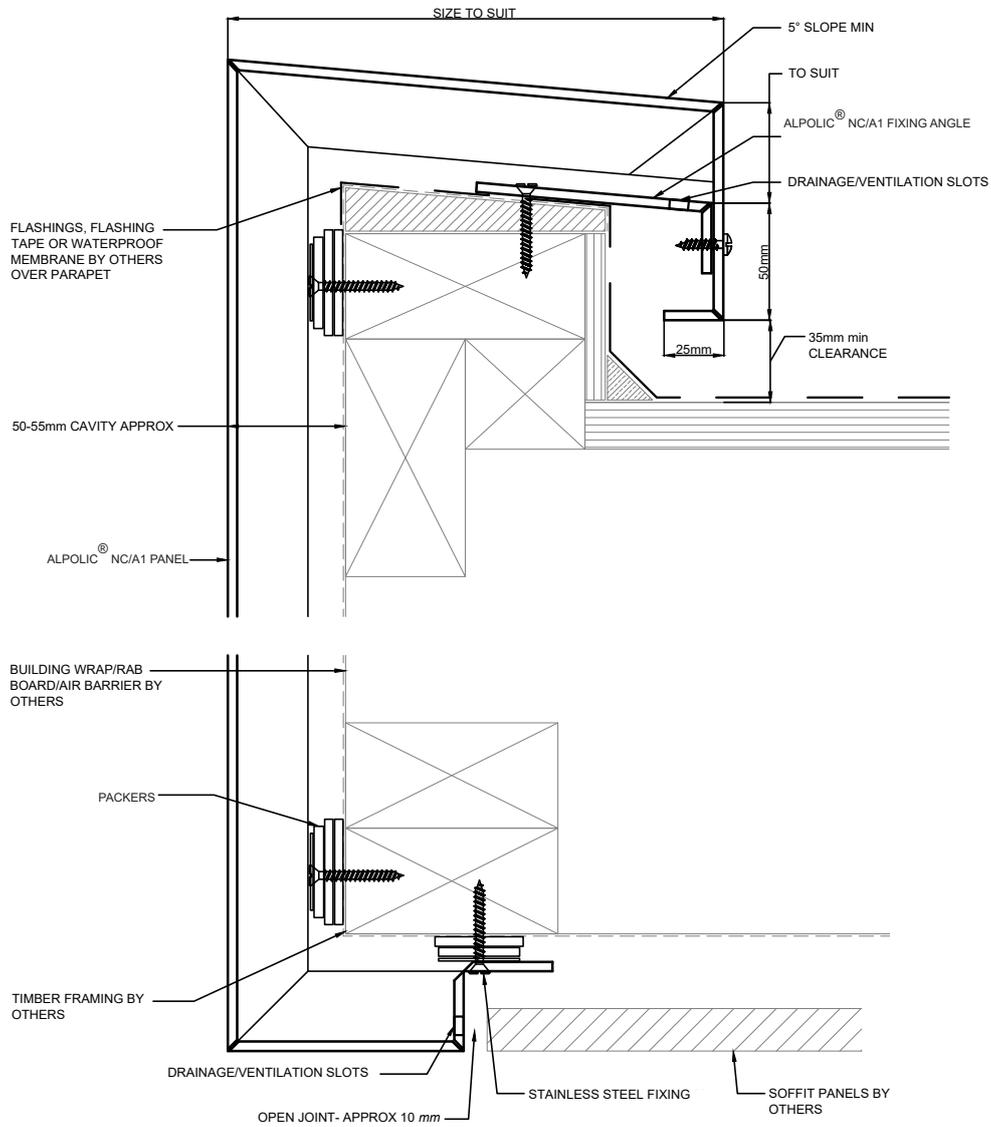


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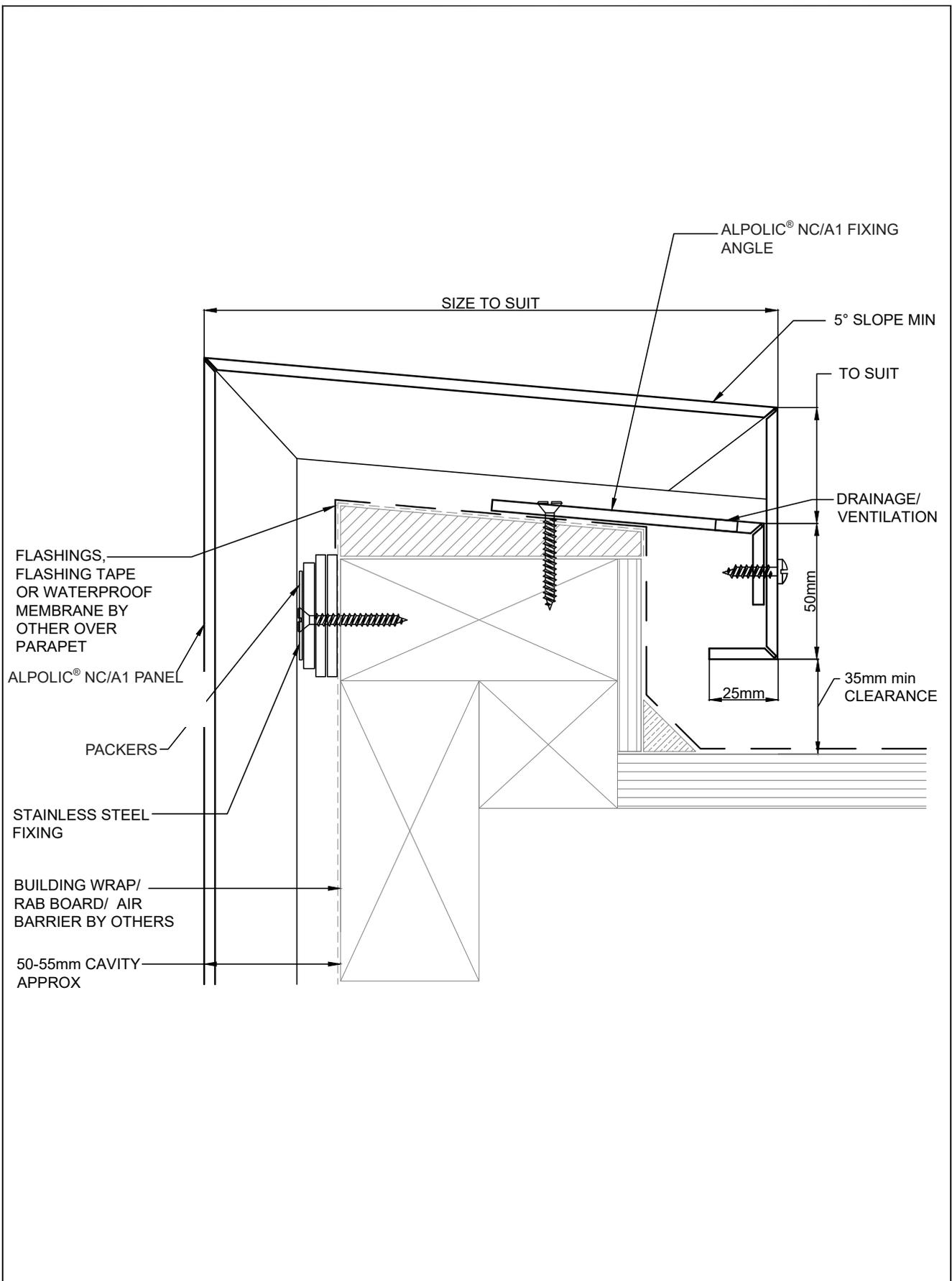


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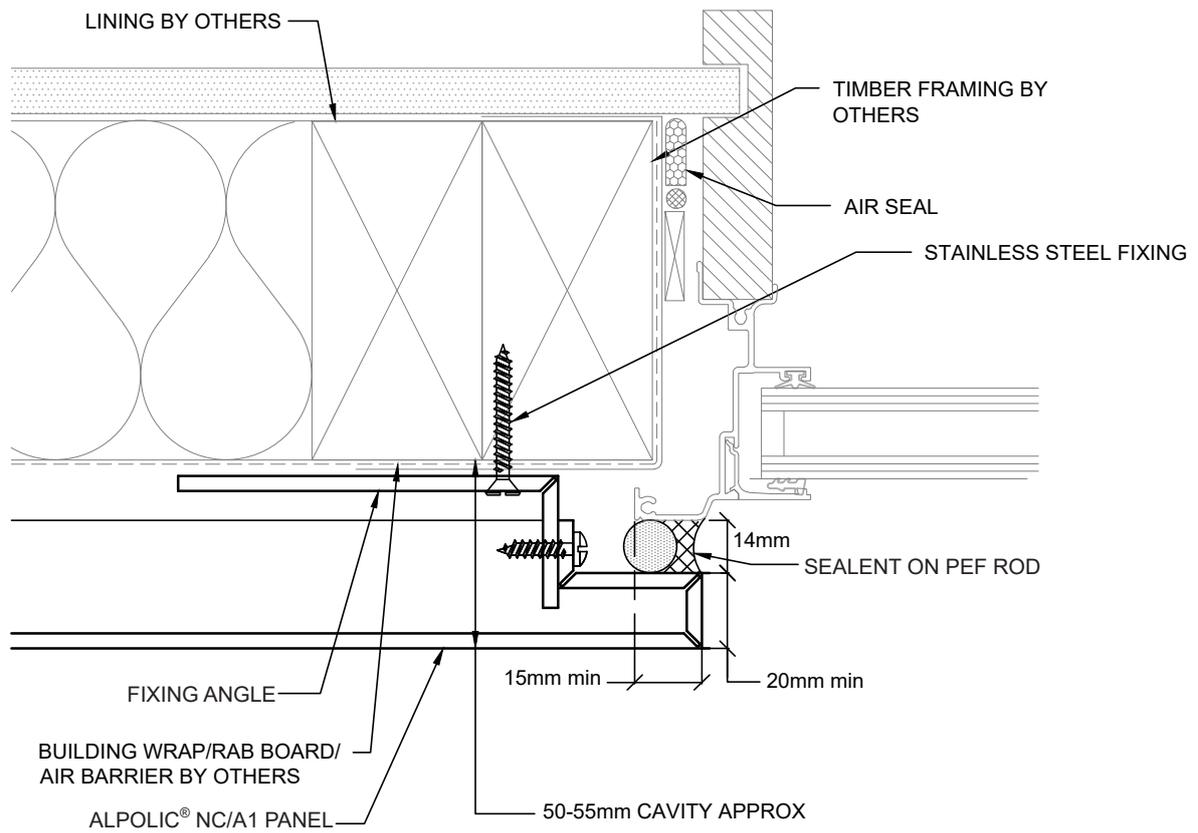


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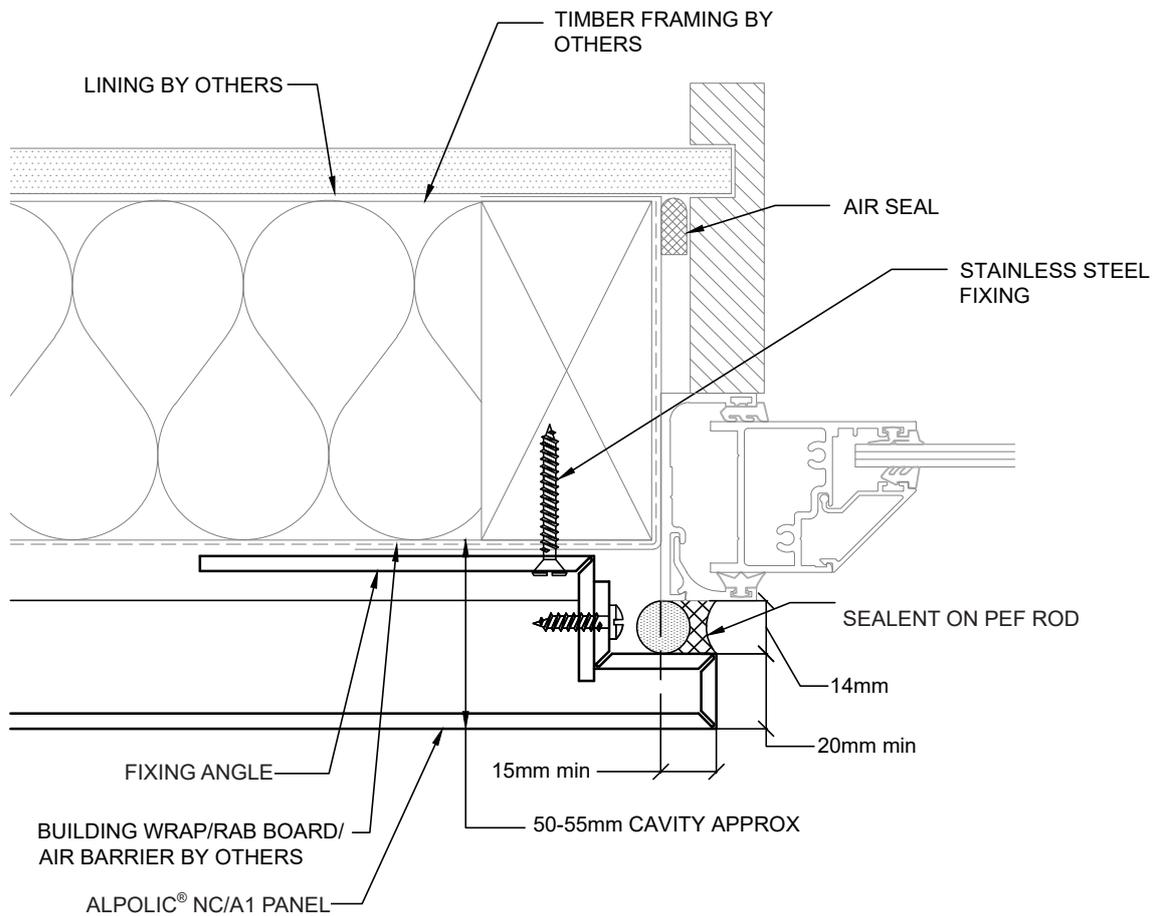
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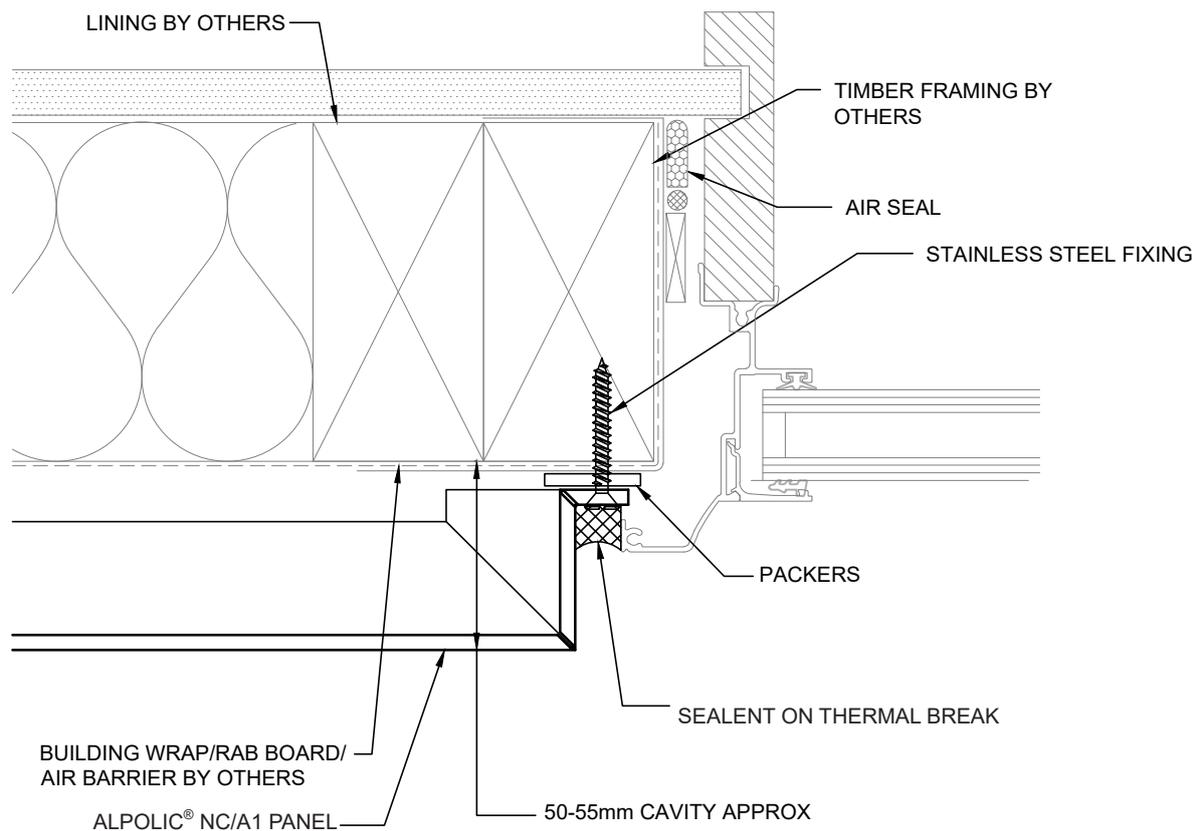
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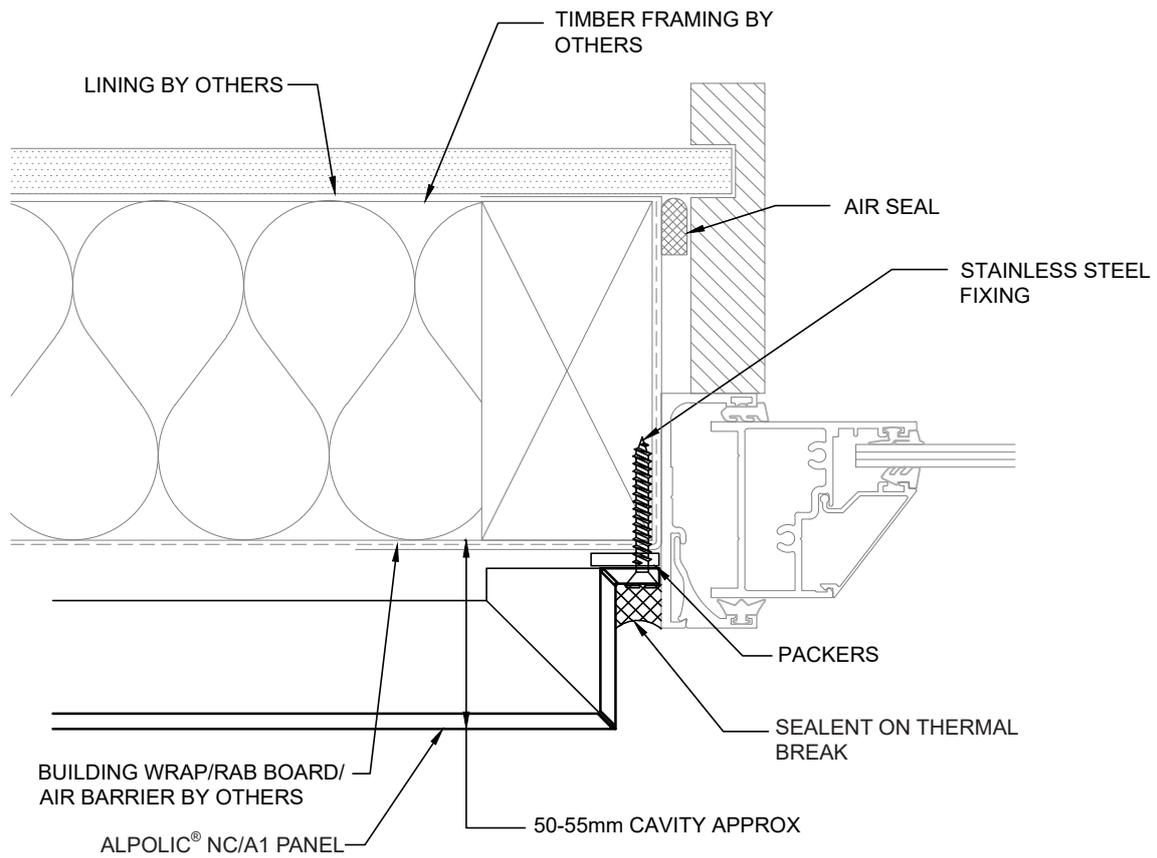
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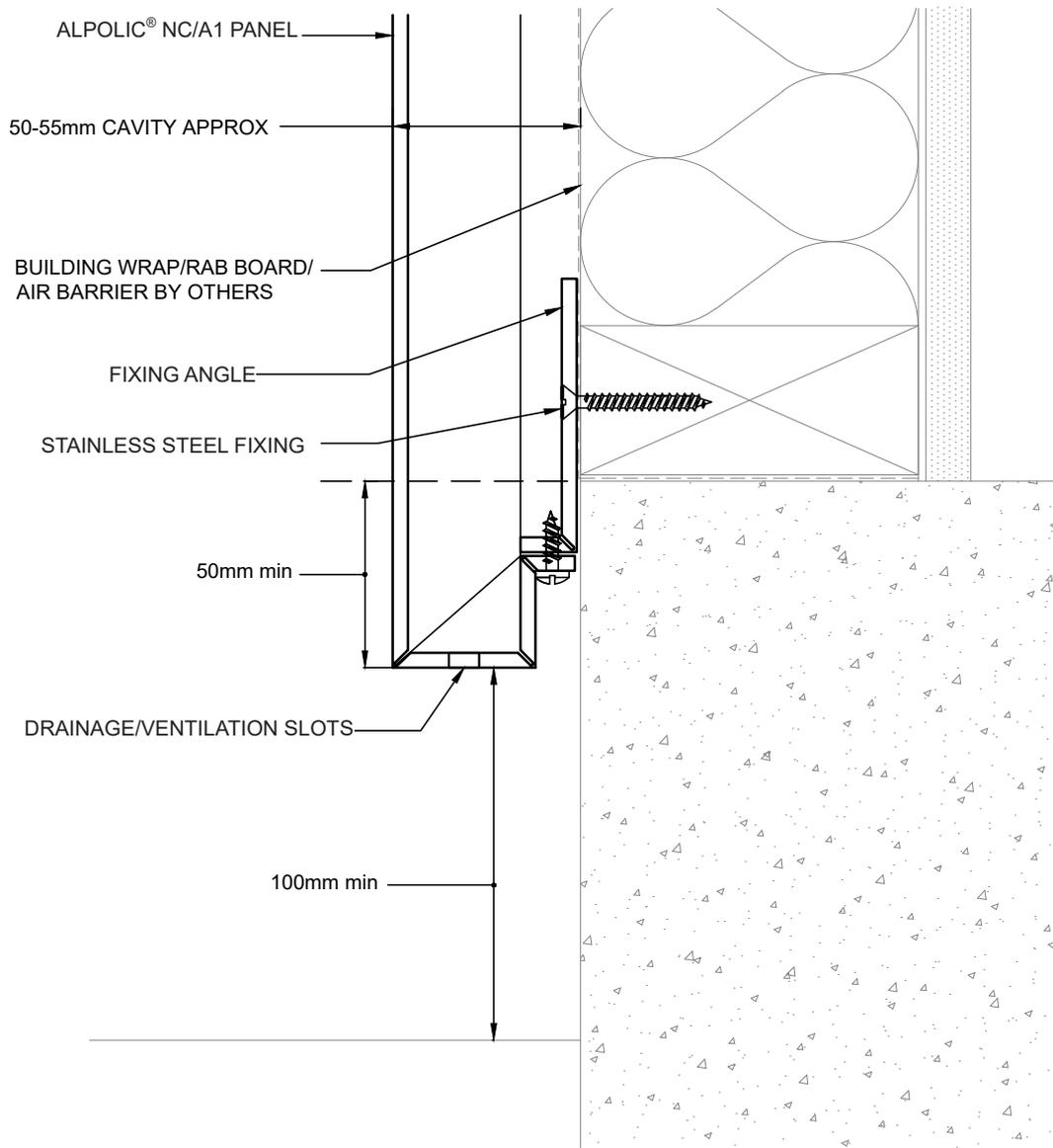
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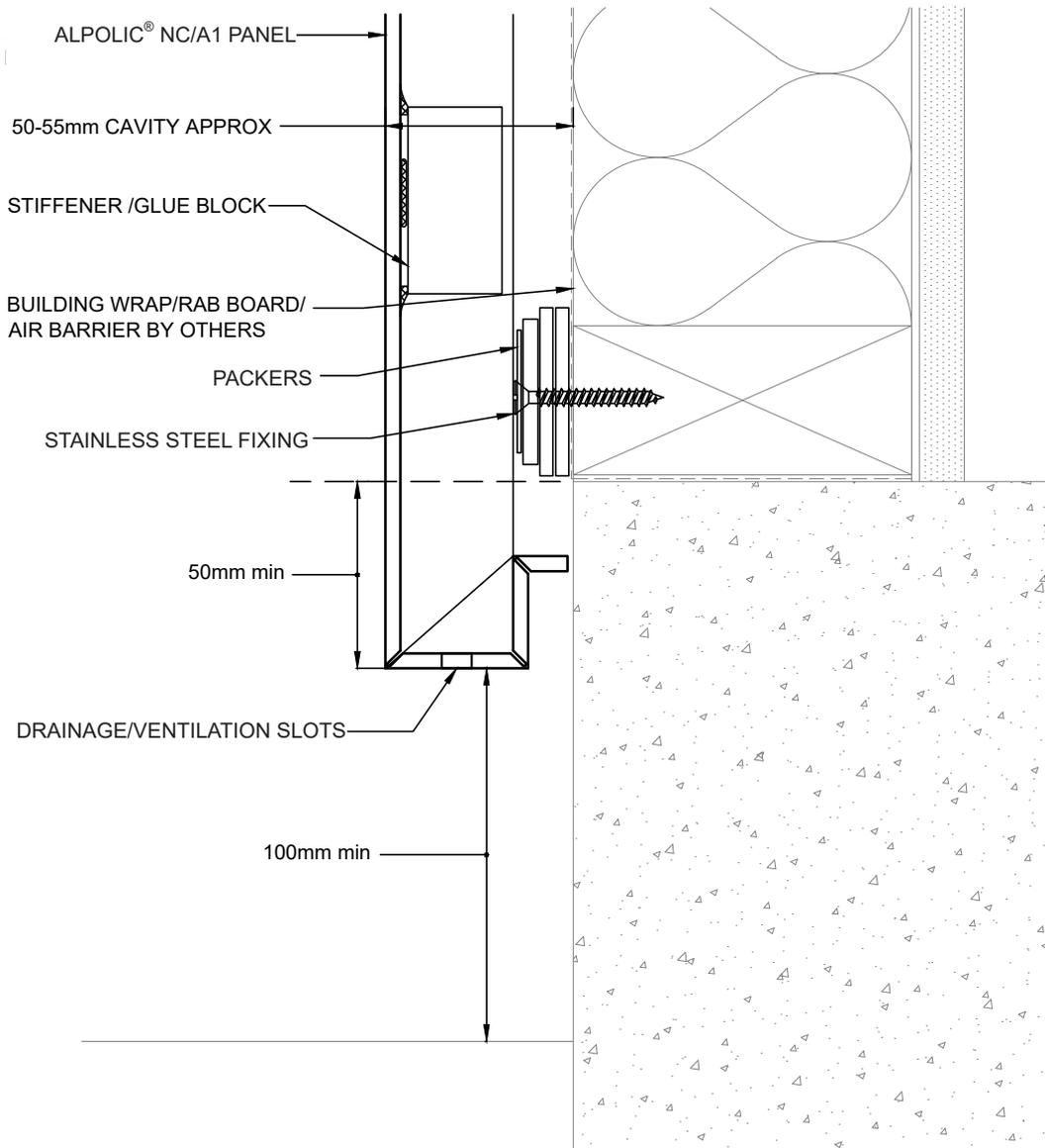
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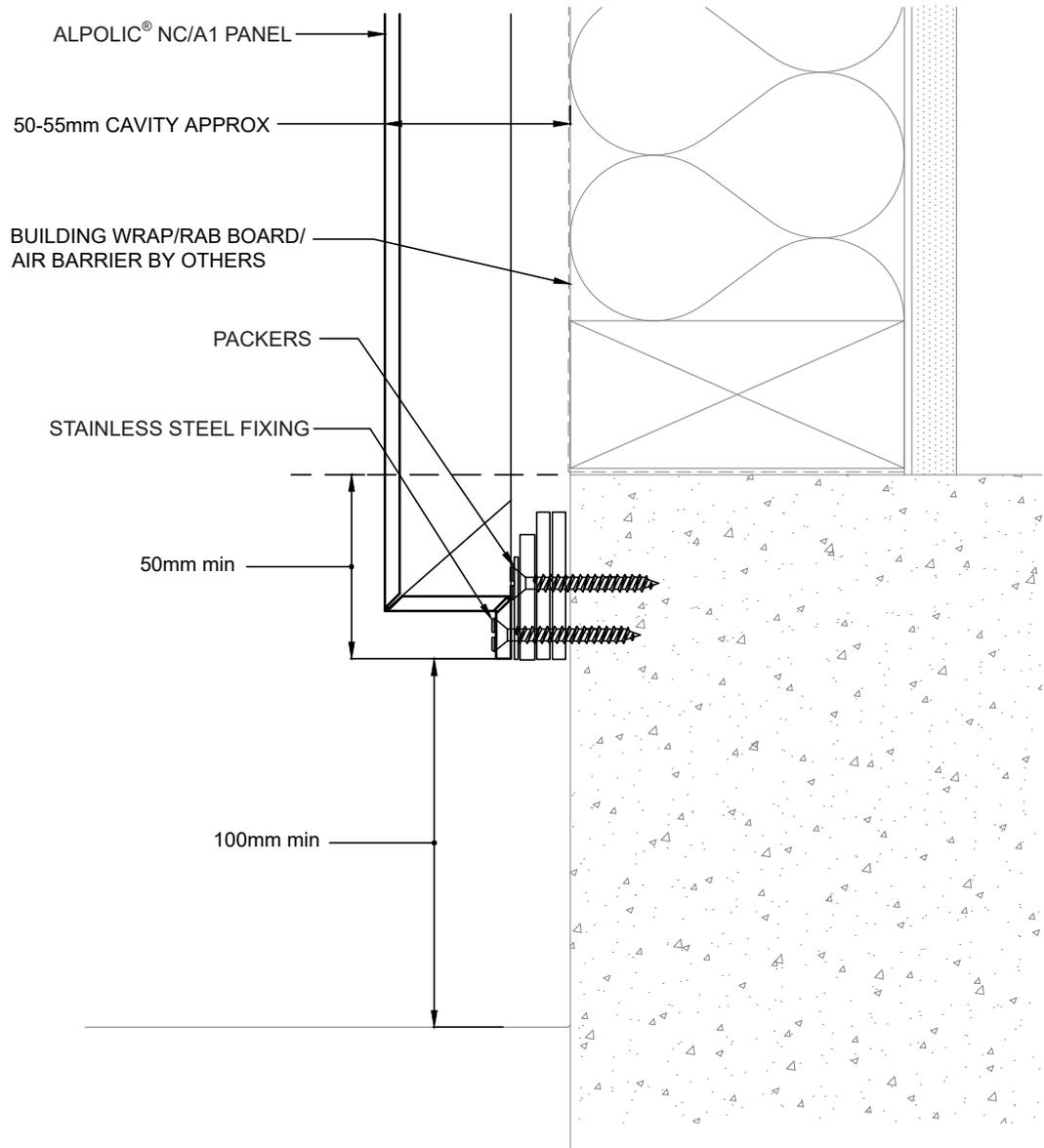
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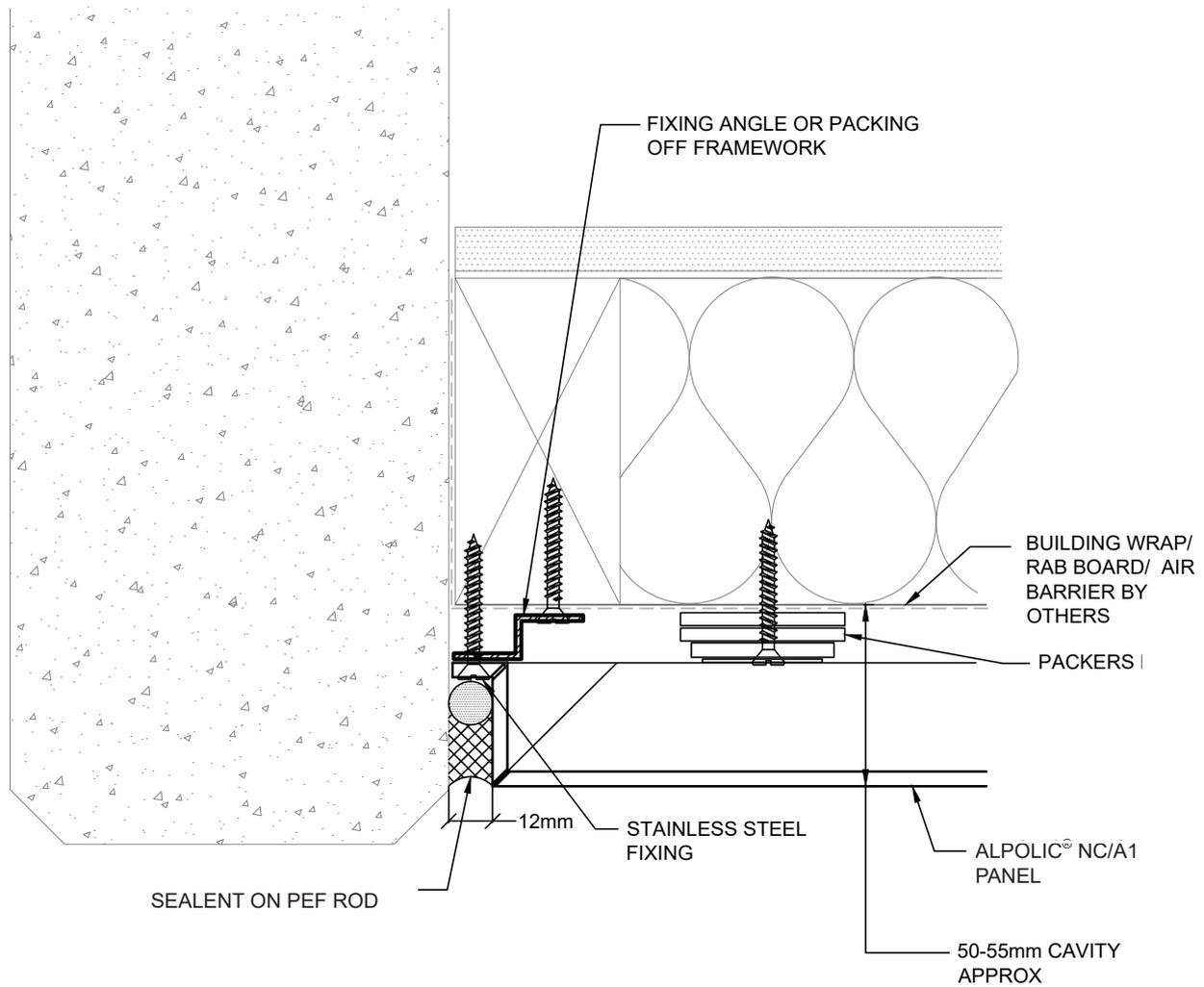
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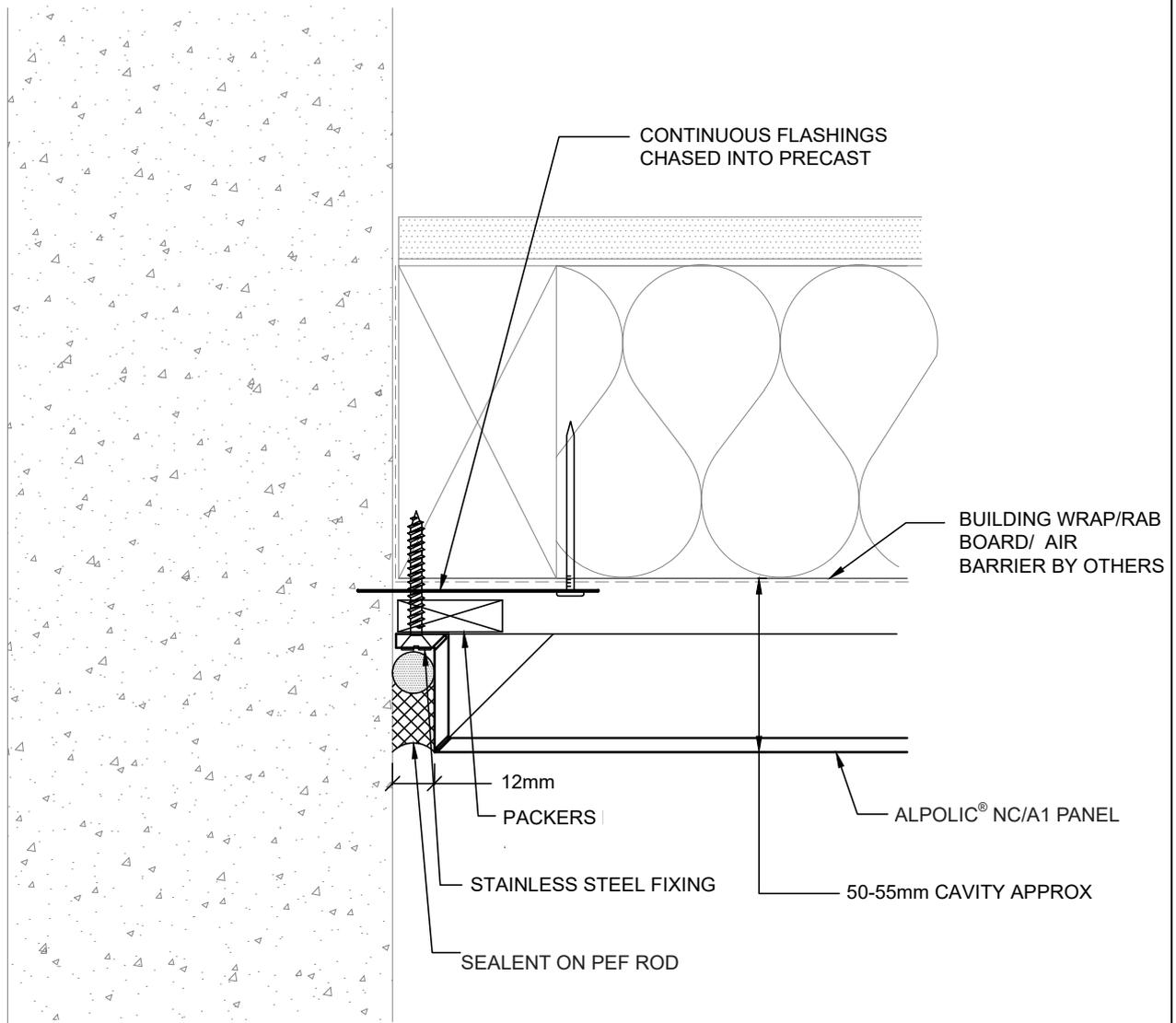
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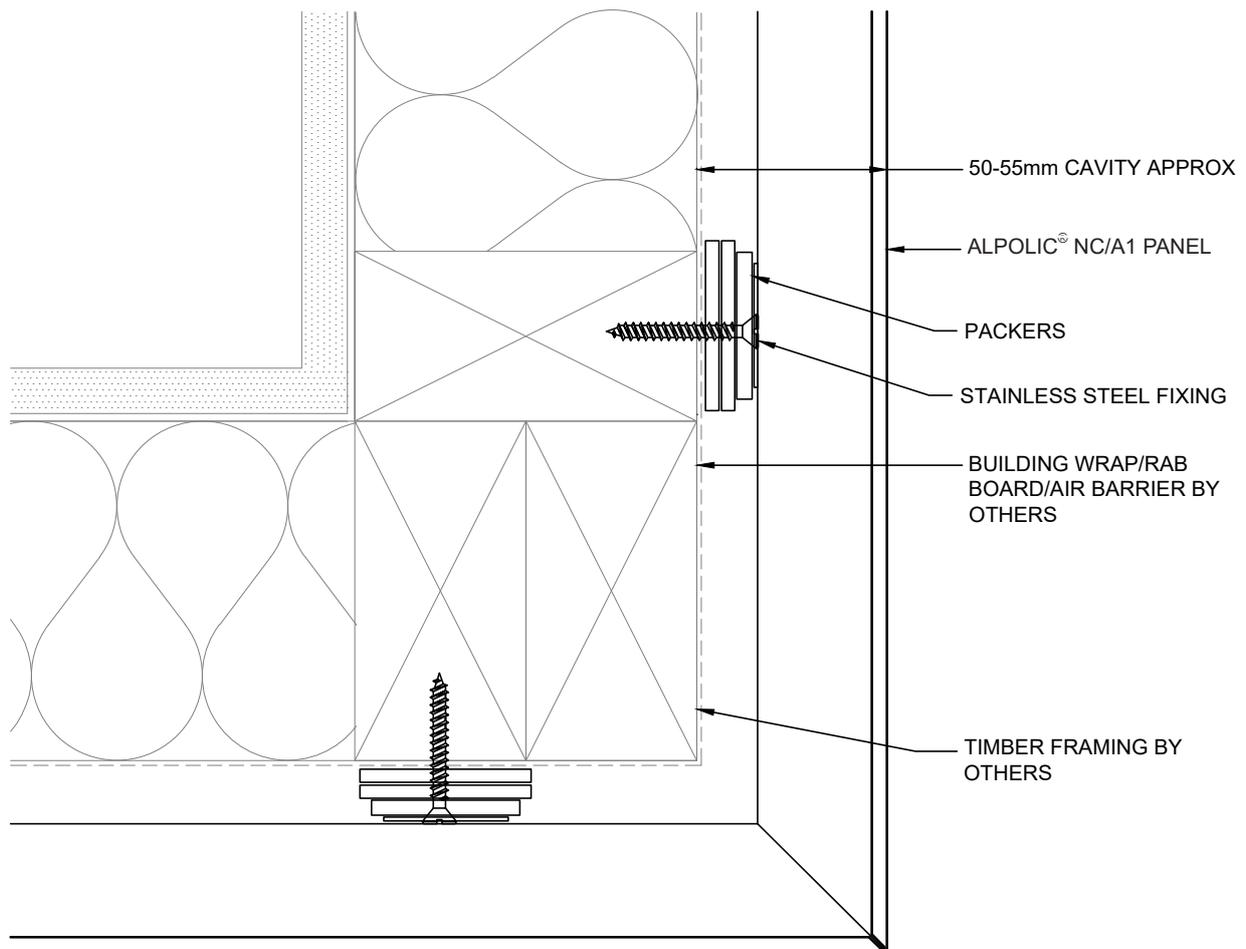
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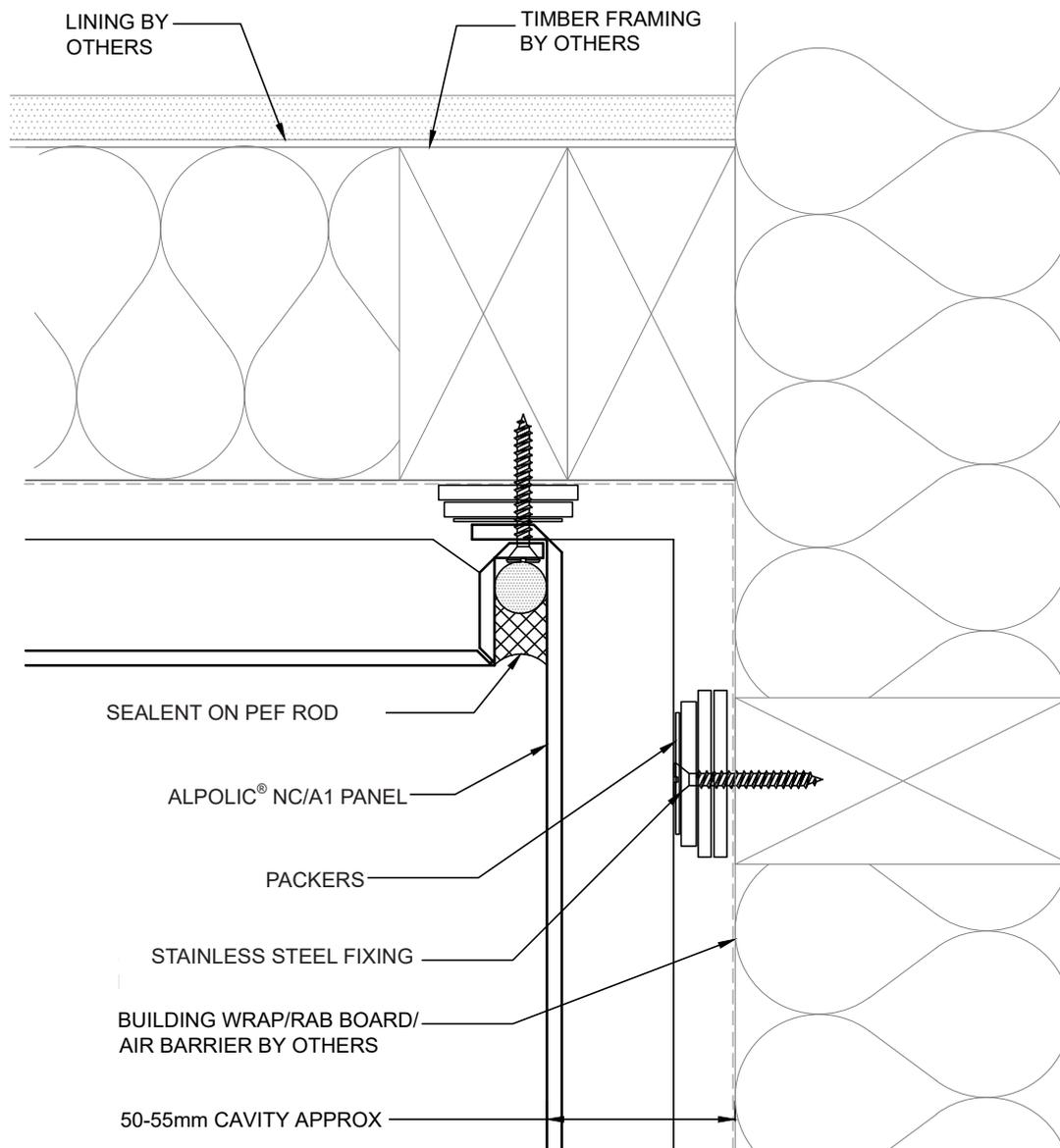
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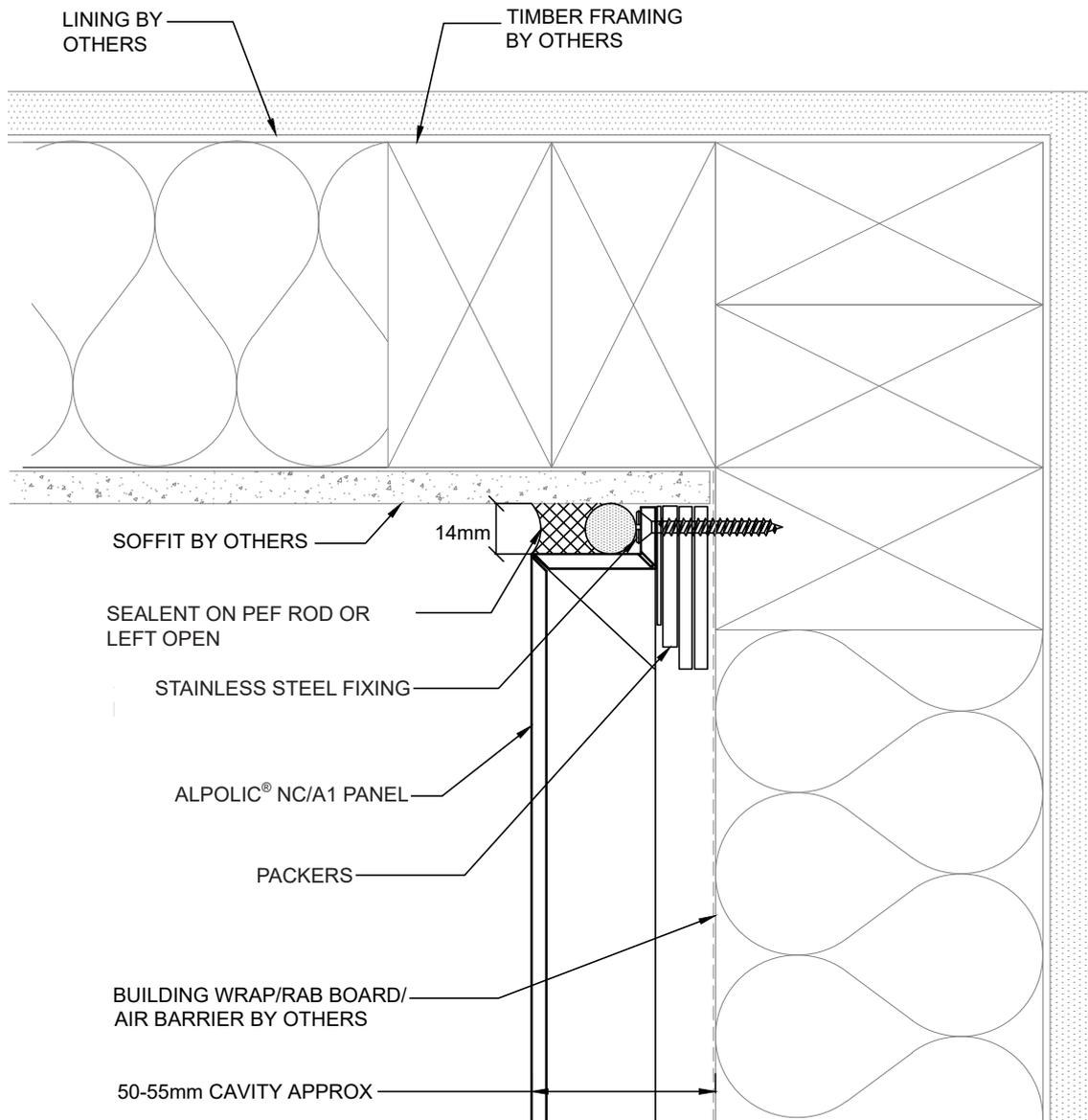


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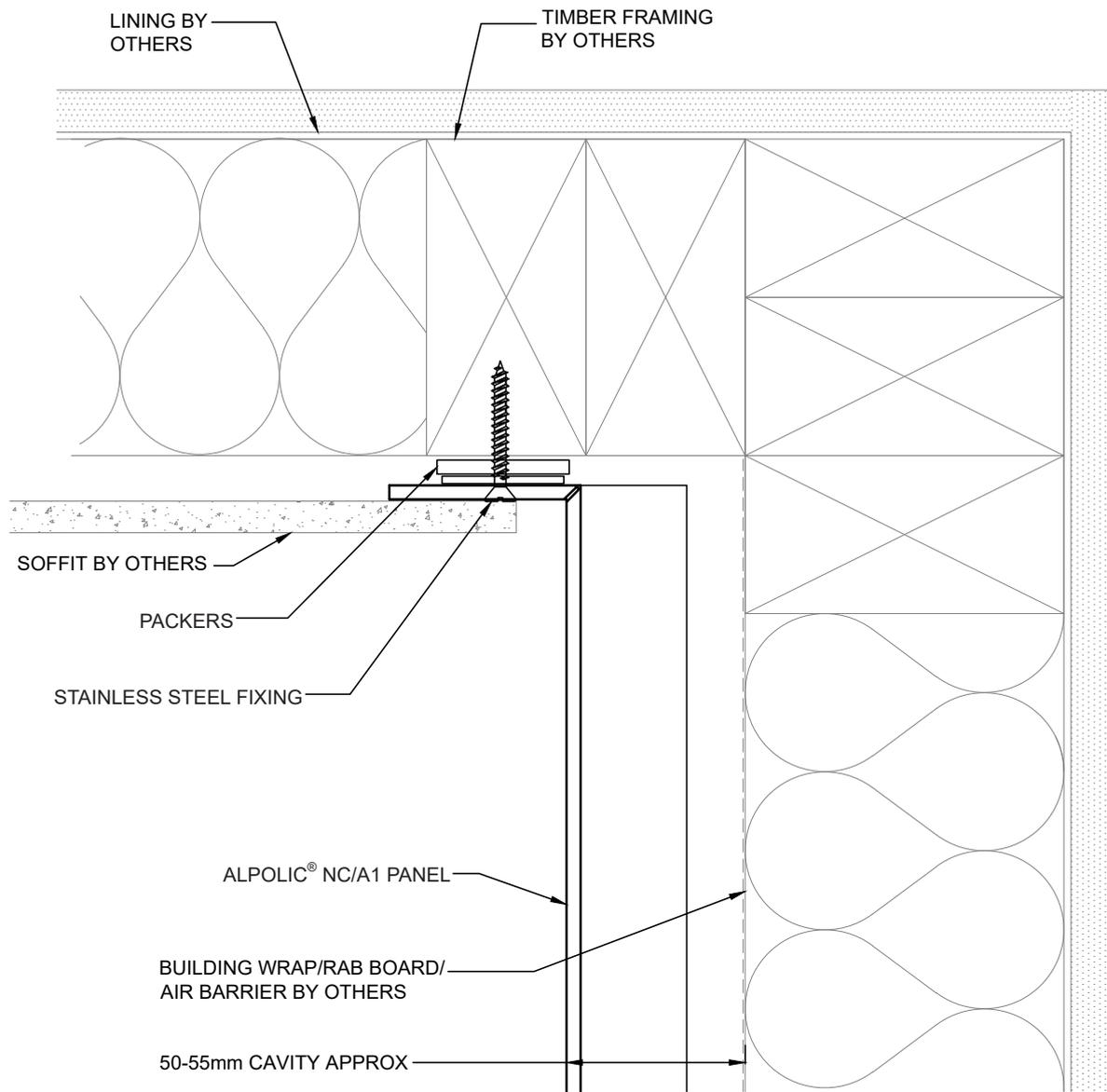
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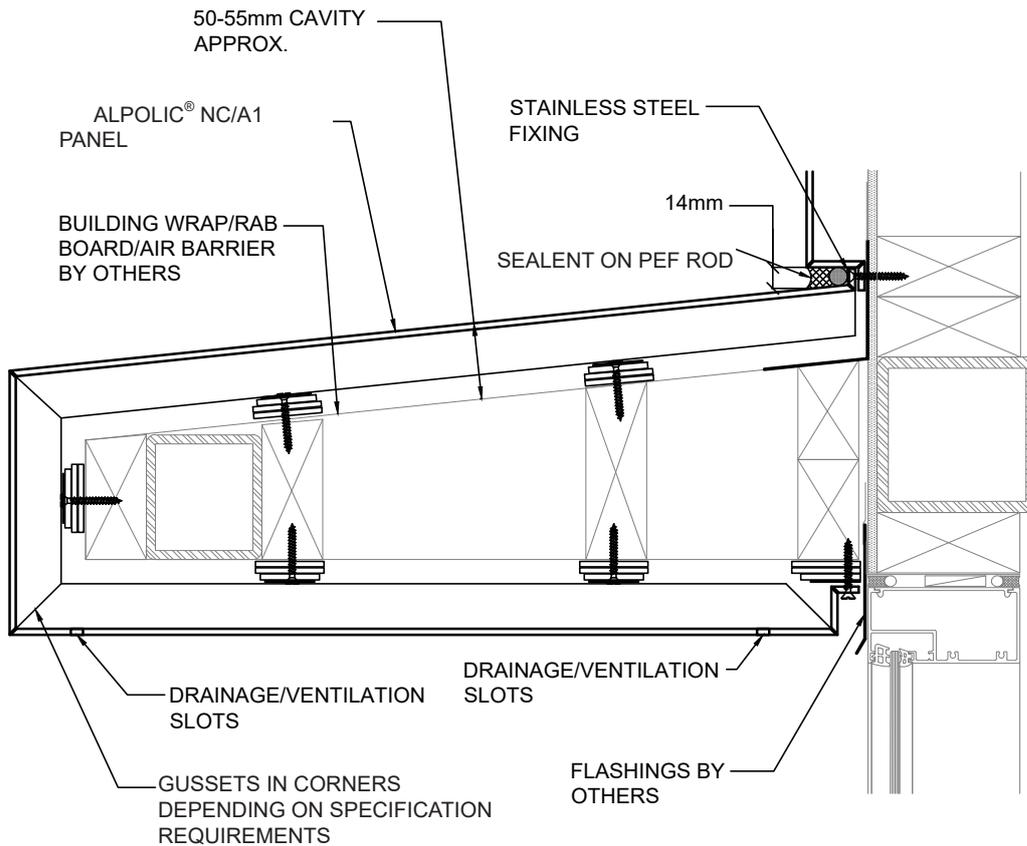


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ALPOLIC® NC/A1



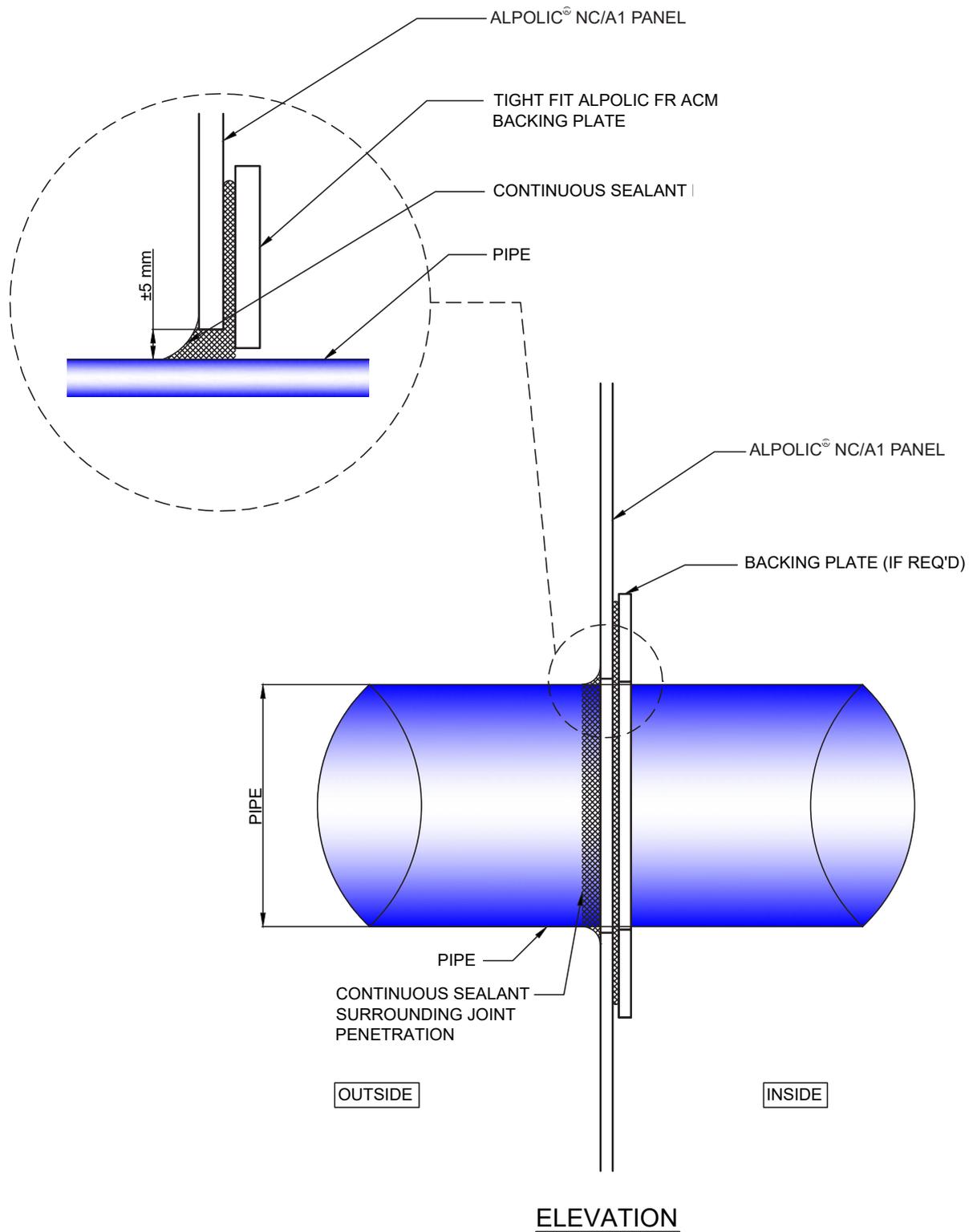
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8. CONTACT US

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