



MPT  
Petrapanel  
Technical  
Drawings

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Grand total: 75		

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 <b>Mineral Plaster</b> Technology 61 Hillside Rd, Wairau Valley Auckland 0627 New Zealand www.mineralplaster.co.nz Ph: 0800 25 23 678	<b>MPT Petrapanel</b> Sheet List  AAC 50 or 75 mm Panel	Reference: A_A000
		Date: June 2021
		Scale: NTS
		Revision: 4

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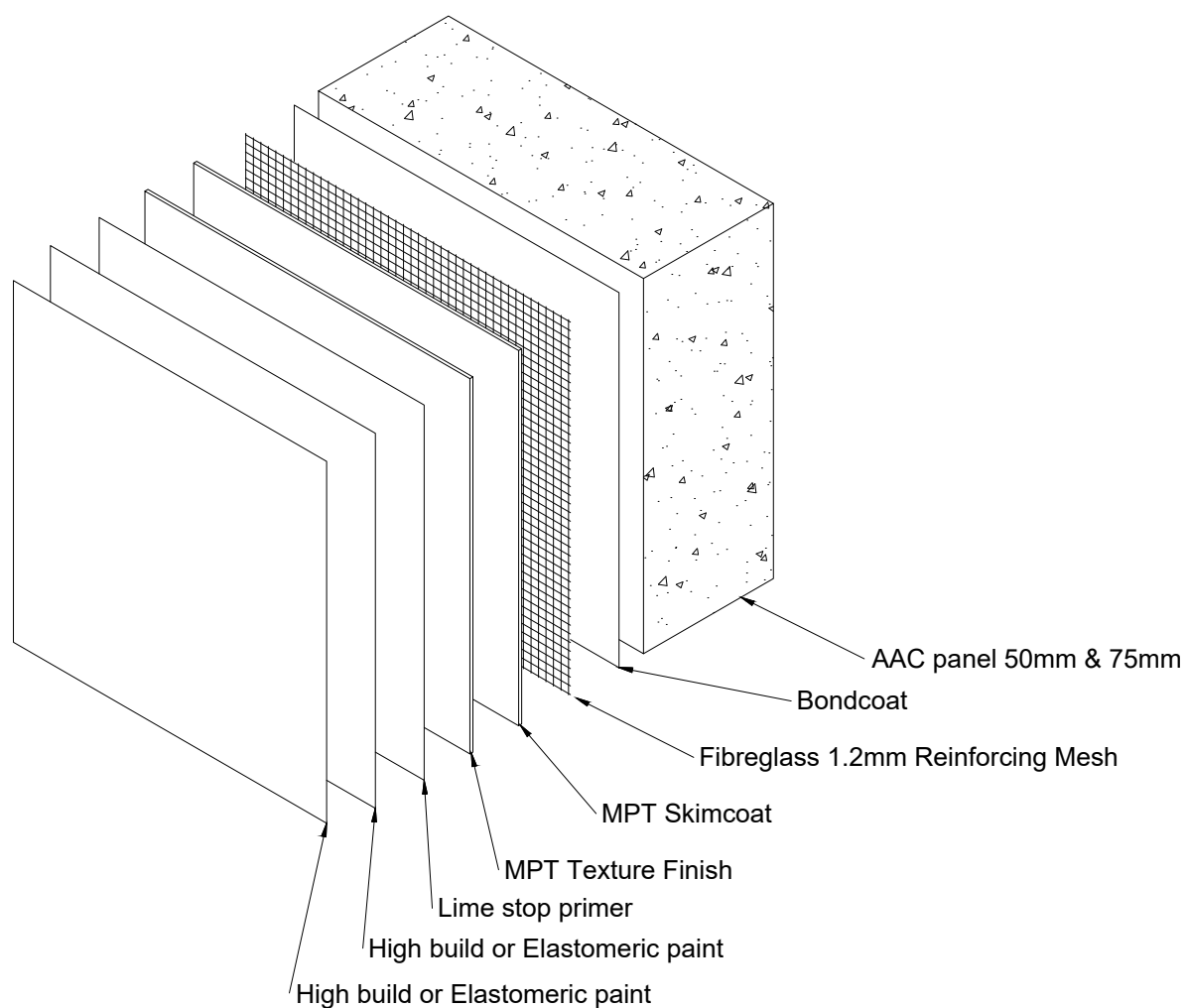
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Note: Sheet numbers are not sequential

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		Scale: <b>NTS</b>
		Revision: <b>4</b>

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## MPT Petrapanel

### MPT Petrapanel System

AAC 50 or 75 mm Panel

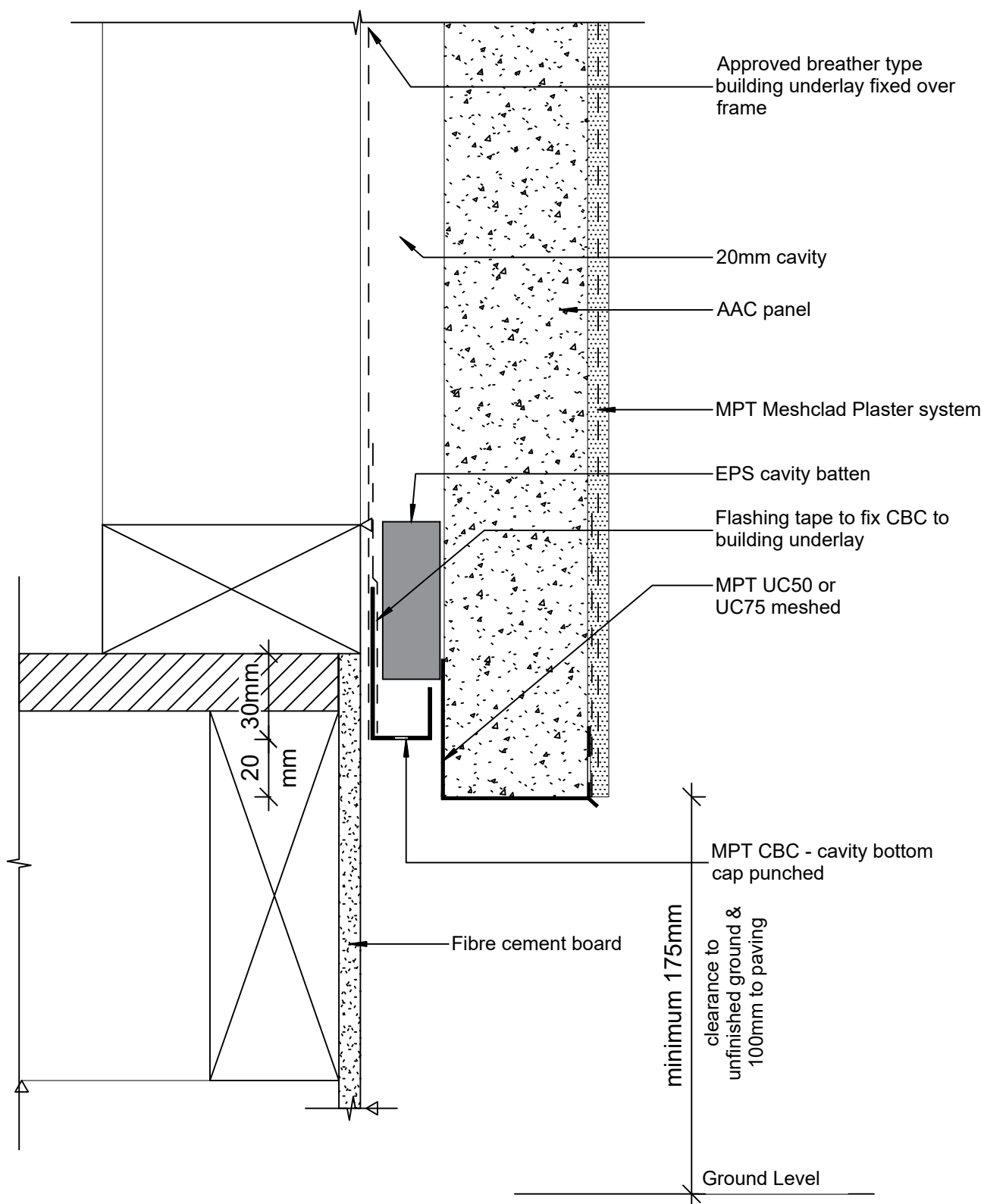
Reference: A\_A001

Date: June 2021

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## MPT Petrapanel

Foundation - Timber Floor

AAC 50 or 75 mm Panel

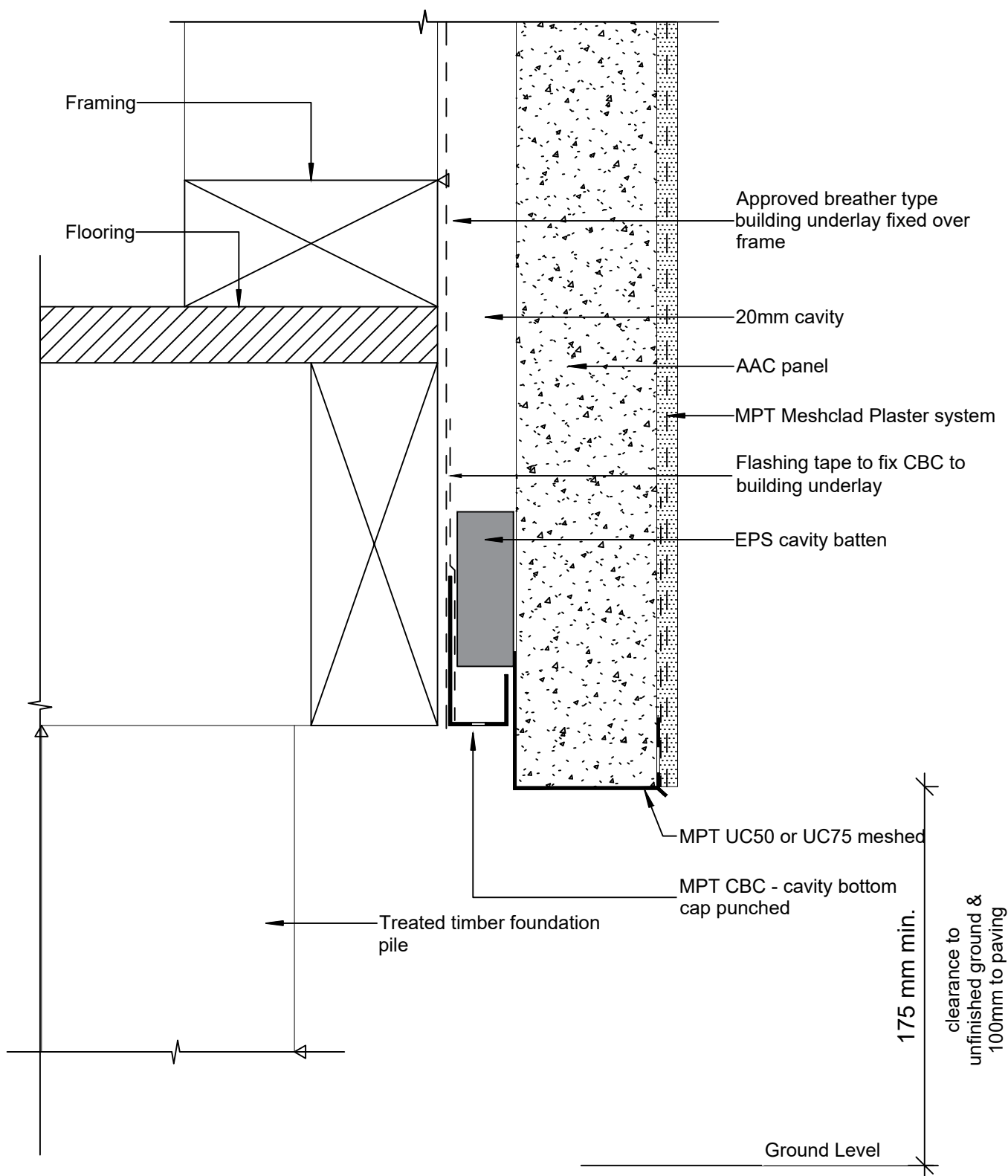
Reference: A\_B001

Date: June 2021

Scale: 1 : 2 @ A4

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## MPT Petrapanel

Foundation - Timber Floor - Option 2

AAC 50 or 75 mm Panel

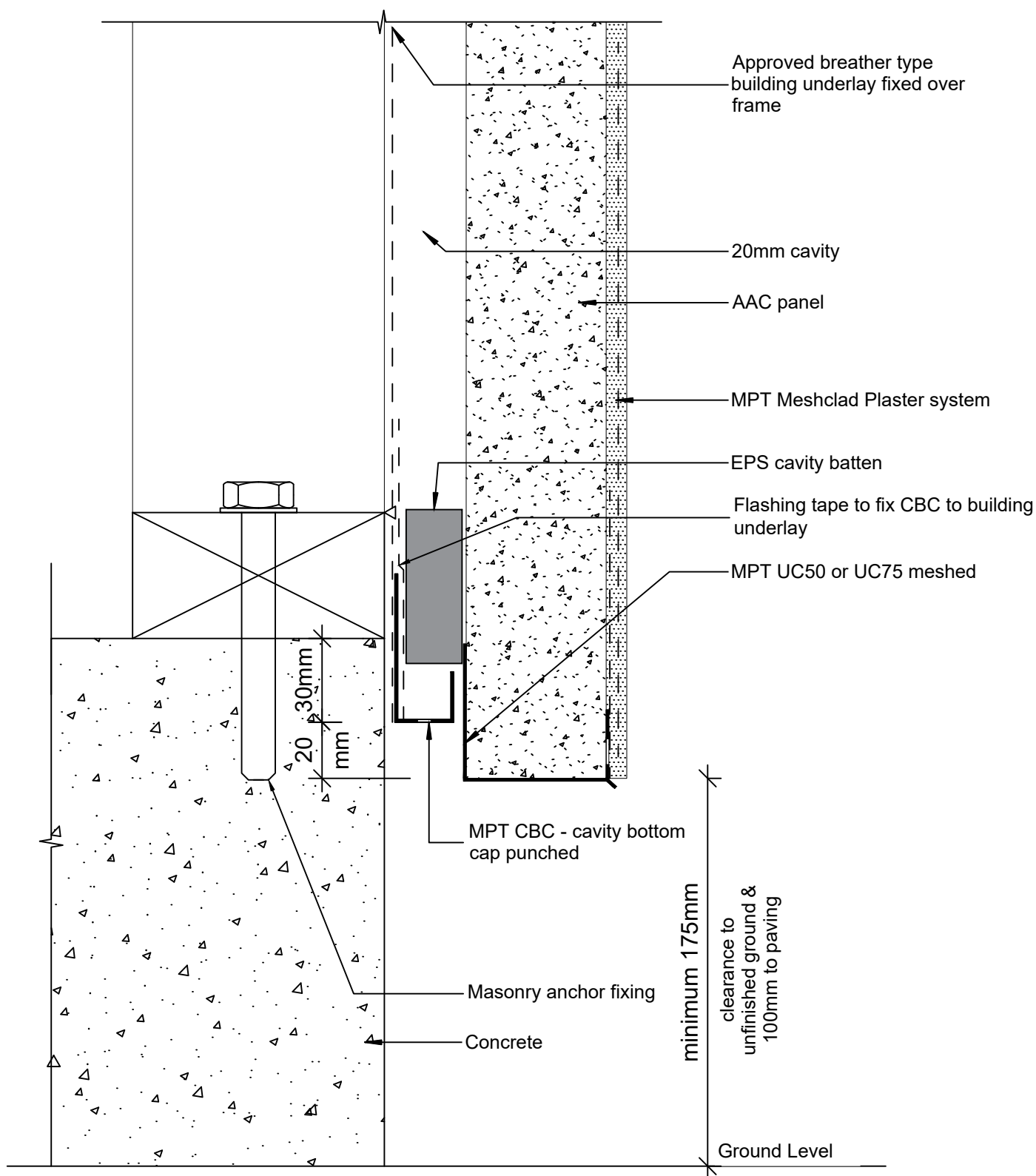
Reference: A\_B002

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## MPT Petrapanel

Foundation - Concrete Slab

AAC 50 or 75 mm Panel

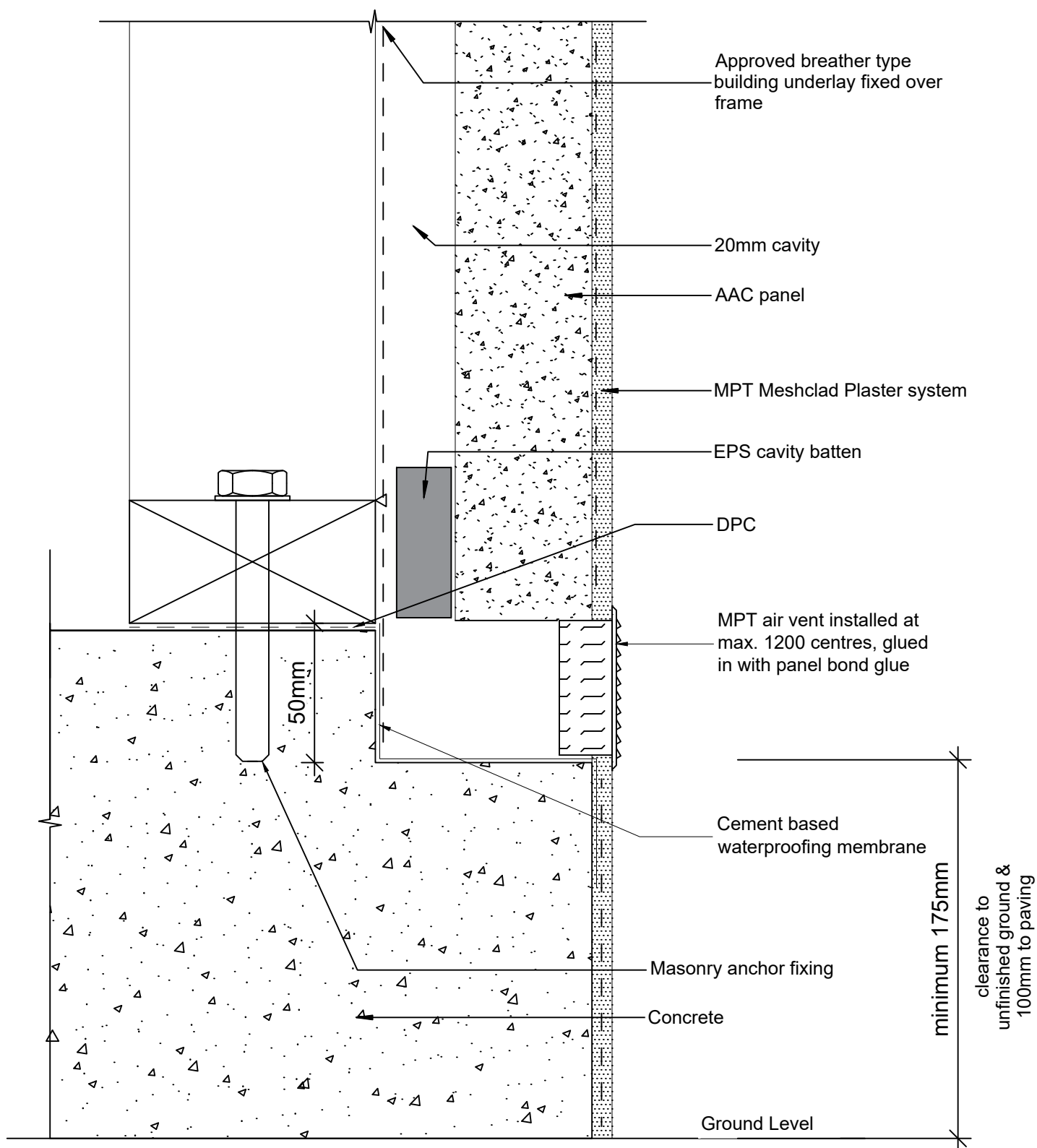
Reference: A\_B003

Date: June 2021

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## MPT Petrapanel

Foundation - Rebated Concrete Slab - Vented

AAC 50 or 75 mm Panel

Reference: A\_B004

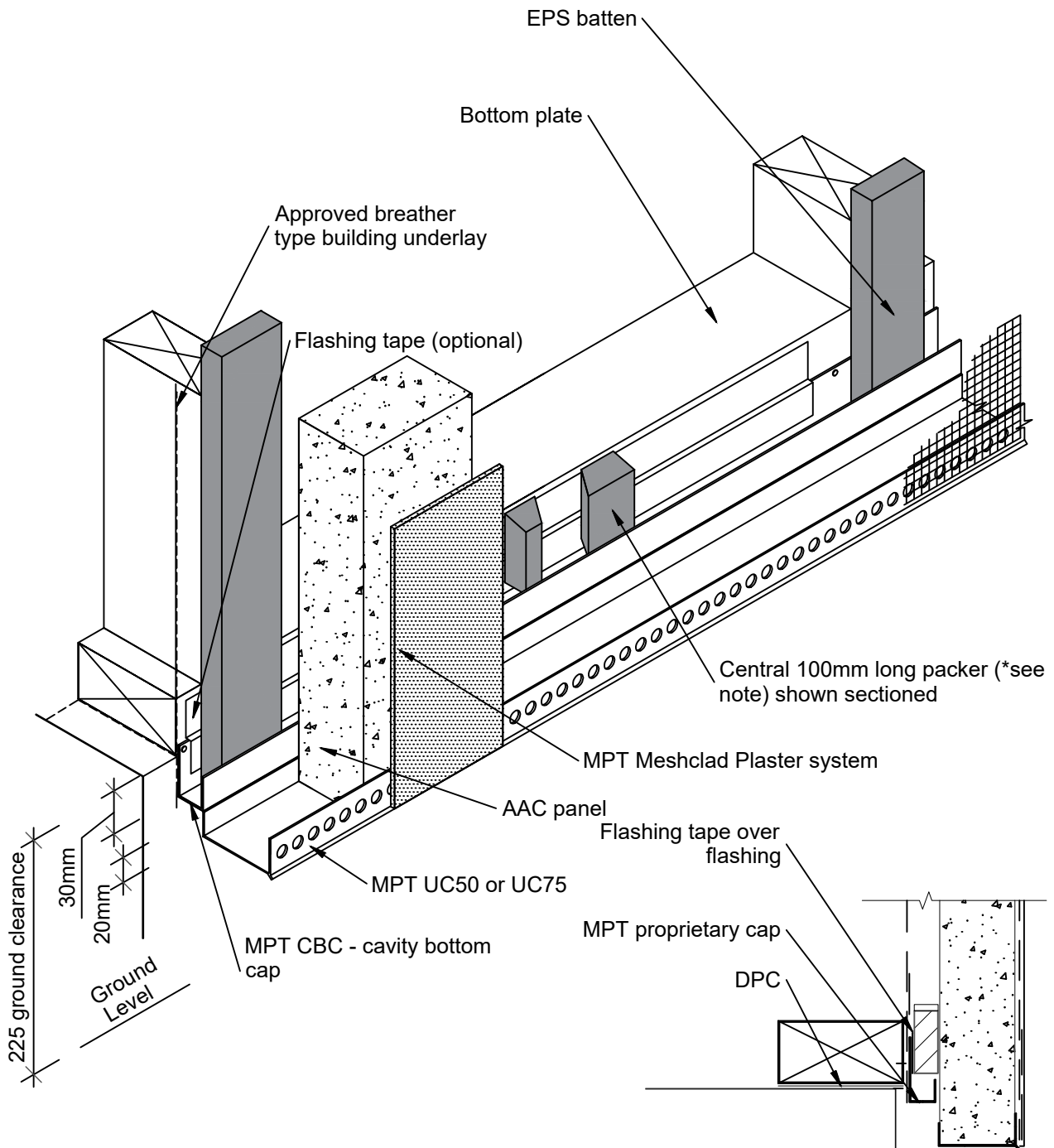
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#### Notes:

- Vertical battens and horizontal packers to be secured by 30mm clouts or adhesive against building underlay. These may be H3.1 timber, extruded or H Grade EPS, with a nominal profile of 20mm x 50mm.
- Horizontal packers tilted to 5°.

Detail to bottom  
cavity closure

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## MPT Petrapanel

### Foundation - Bottom Plate

AAC 50 or 75 mm Panel

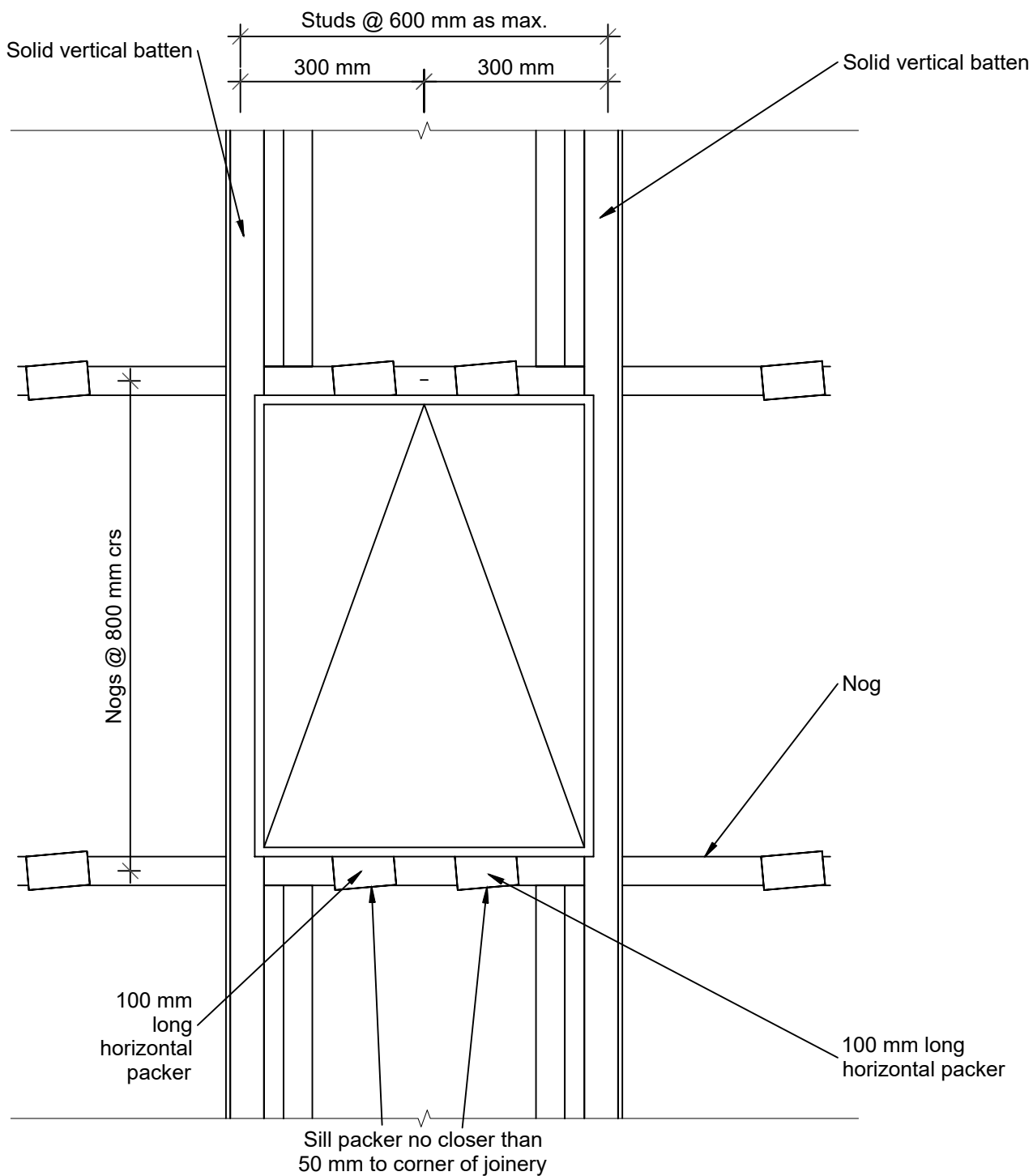
Reference: A\_B005

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\* Note:

- Head flashing not shown for clarity
- Vertical battens & horizontal packers to be secured by 30 mm clout or adhesive against building underlay. These may be H3.1 timber or extruded or H.D. Polystyrene, with a nominal profile of 20mm x 50mm.
- Horizontal packers tilted to 5°.

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## MPT Petrapanel

Wall - Batten Layout Around Windows

AAC 50 or 75 mm Panel

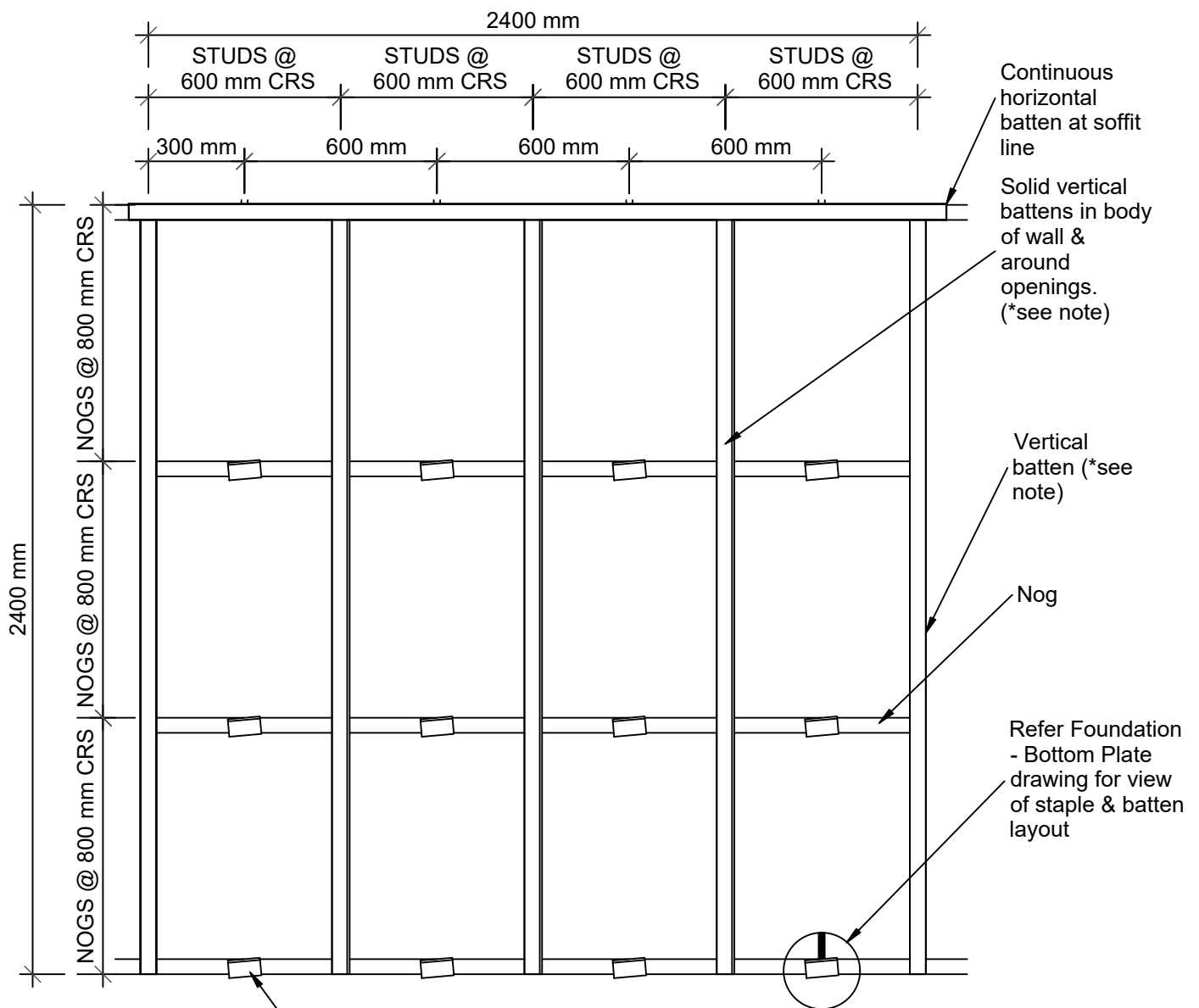
Reference: A\_C001

Date: June 2021

Scale: 1 : 10 @ A4

Revision: 2

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**\* Notes:**

- Vertical battens and horizontal packers to be secured by 30 mm clout or adhesive against building underlay. These may be H3.1 timber or extruded or H.D. Polystyrene, with a nominal profile of 20 mm x 50 mm.
- Horizontal packers tilted to 5°.
- Refer Wall - Batten Layout Around Windows for batten layout around joinery.
- Building underlay & bottom cavity cap not shown for clarity.
- Vertical battens can be used between studs as an alternative to strapping.

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## MPT Petrapanel

Wall - Framing Layout Timber Framing With Battens

AAC 50 or 75 mm Panel

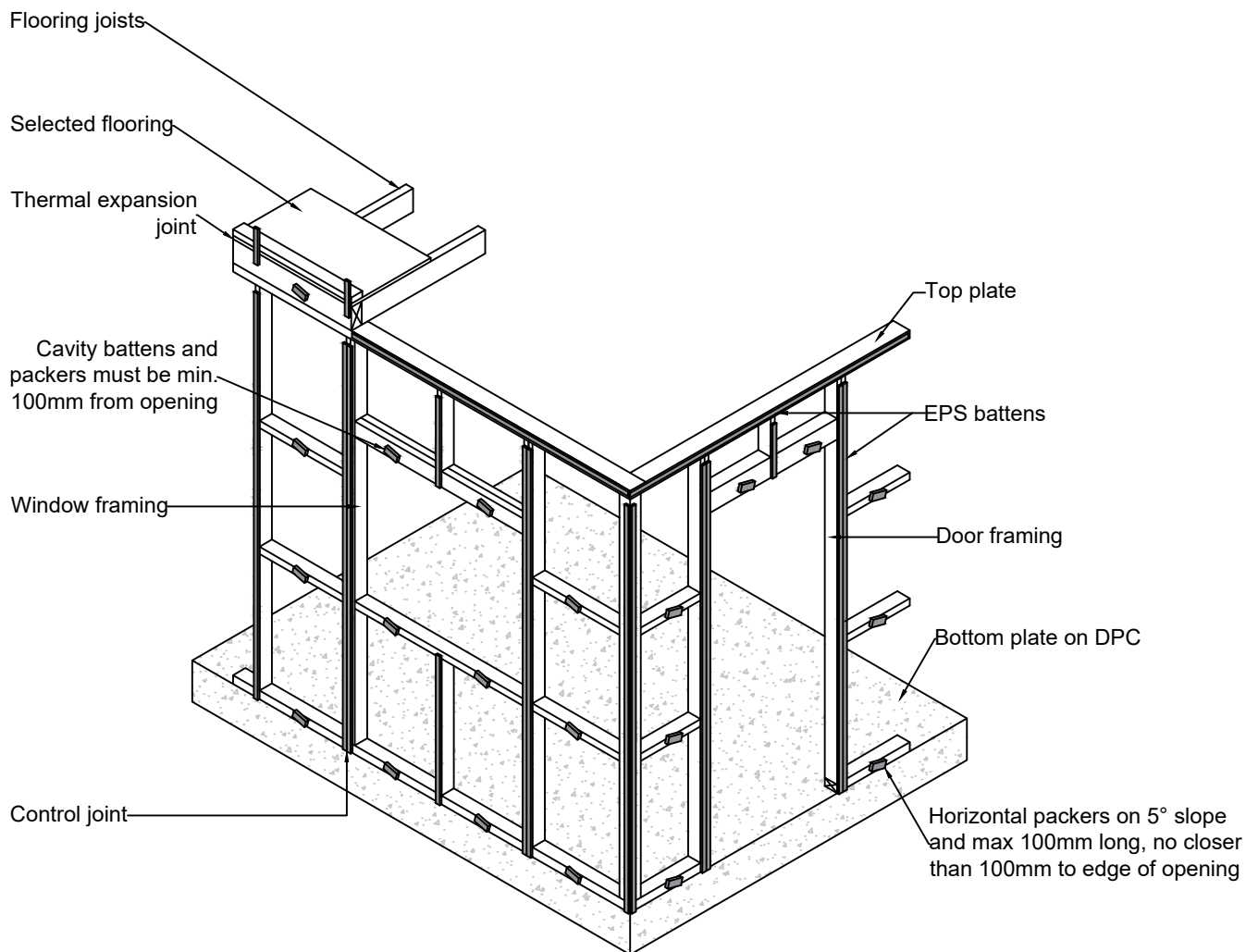
Reference: A\_C002

Date: June 2021

Scale: 1 : 20 @ A4

Revision: 2

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## MPT Petrapanel Wall - Batten Setouts

AAC 50 or 75 mm Panel

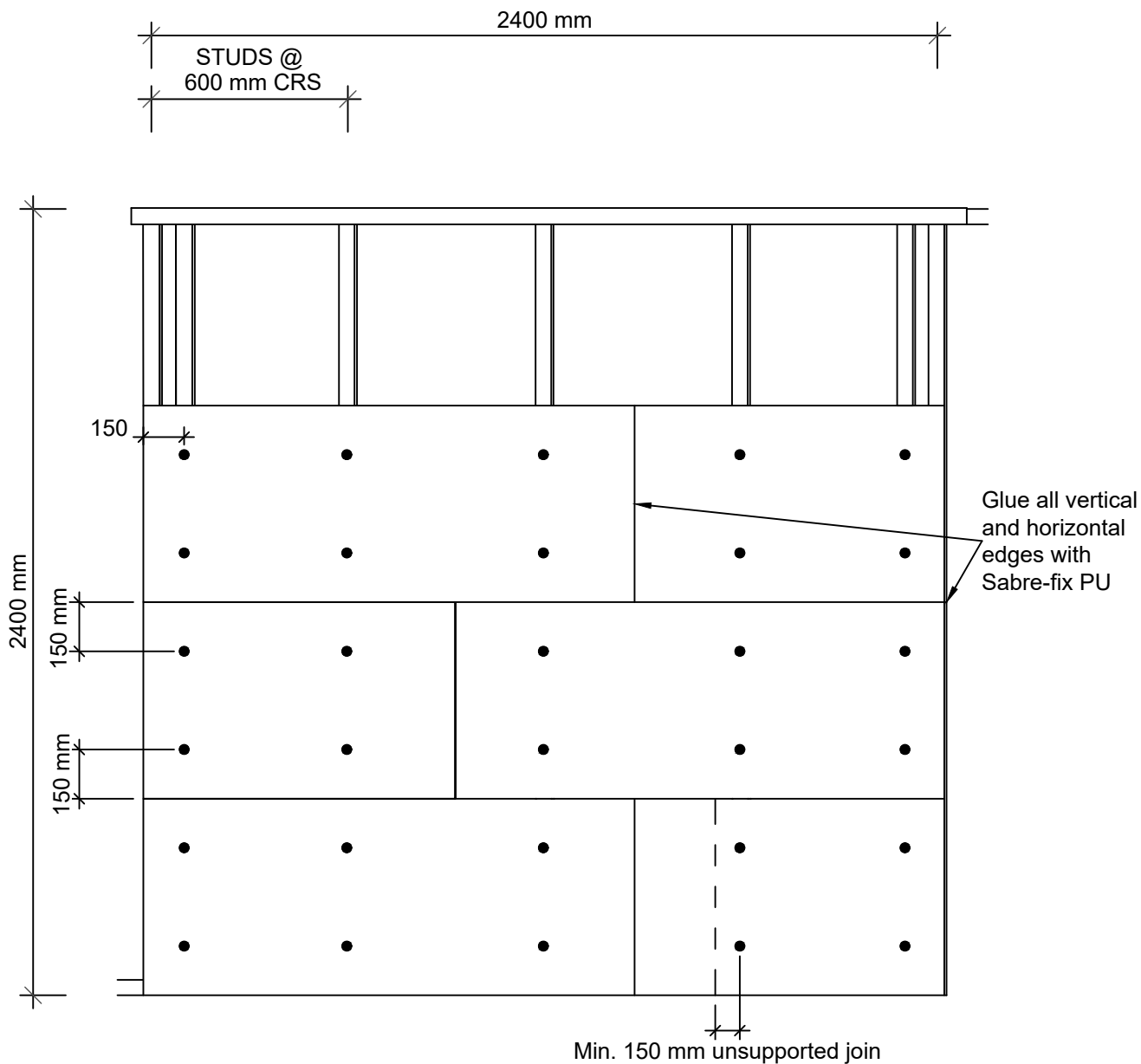
Reference: A\_C003

Date: January 2020

Scale: 1 : 40 @ A4

Revision: 1

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## MPT Petrapanel

### Wall - AAC Panel Layout

AAC 50 or 75 mm Panel

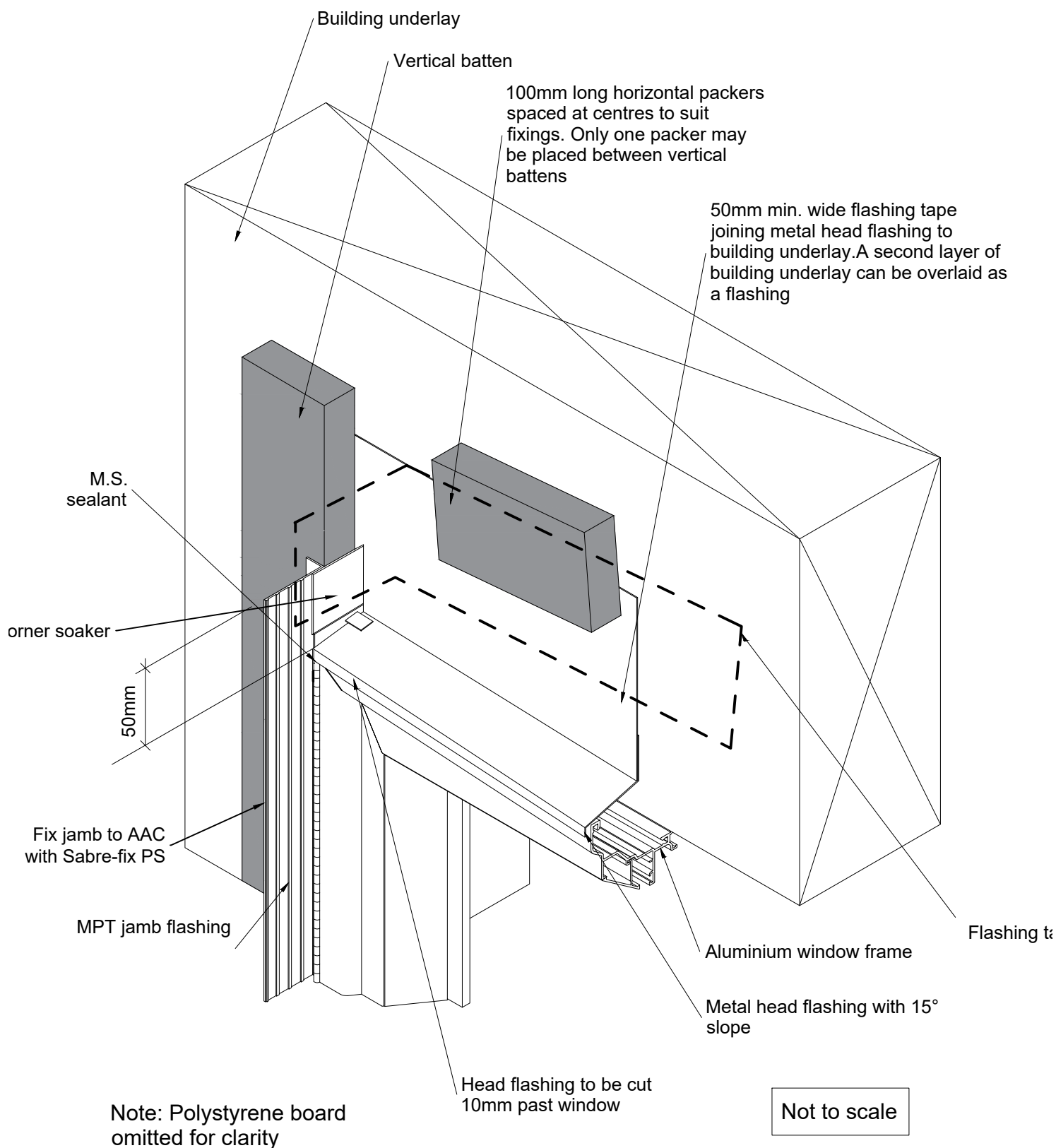
Reference: A\_C004

Date: September 2020

Scale: 1 : 20 @ A4

Revision: 3

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## MPT Petrapanel

Junction - Window Head to Jamb - Preparation

AAC 50 or 75 mm Panel

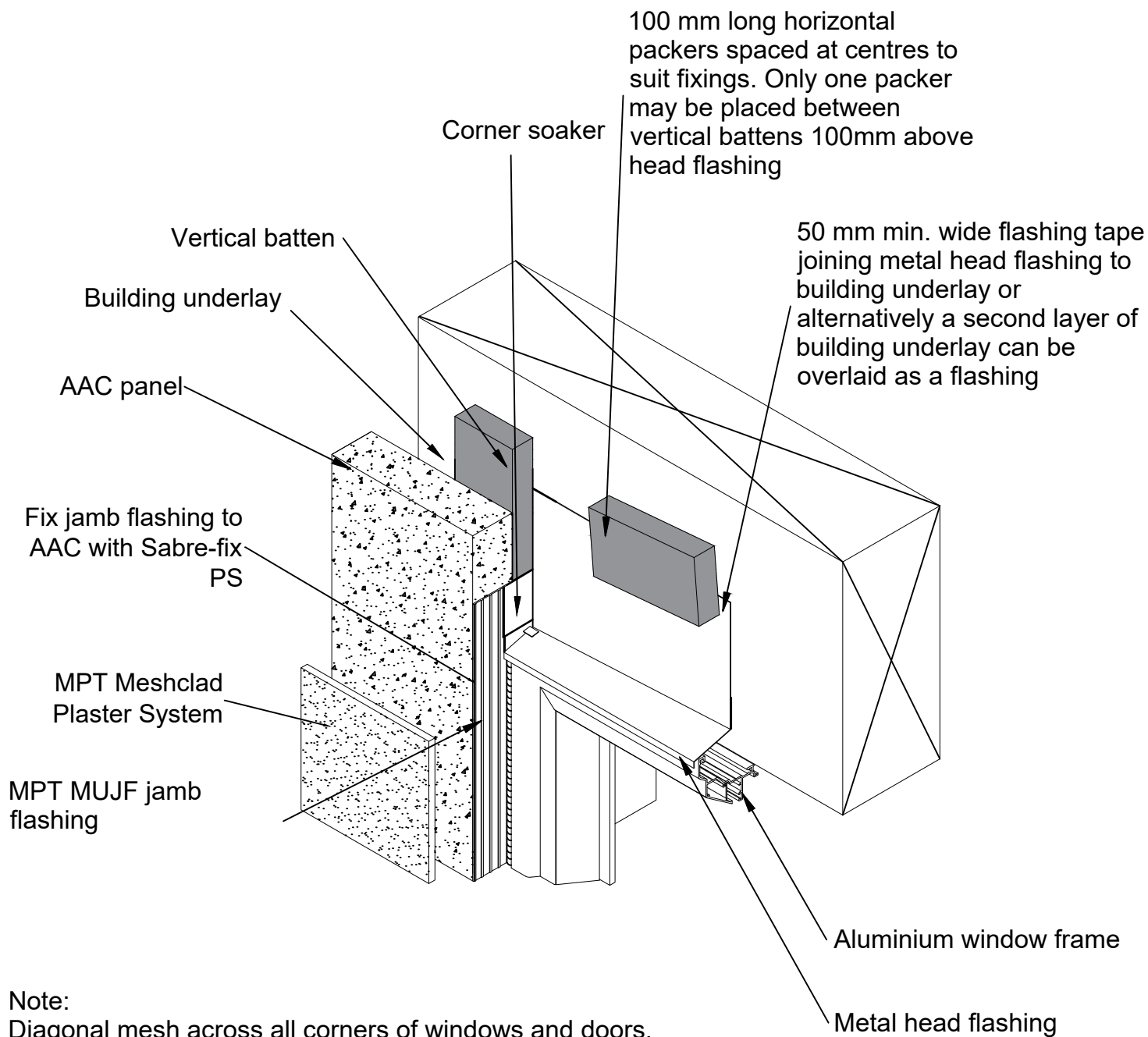
Reference: A\_D001

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 3

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**Note:**  
 Diagonal mesh across all corners of windows and doors.  
 Fiberglass mesh omitted for clarity

Not to scale

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## MPT Petrapanel

### Junction - Window Head to Jamb

AAC 50 or 75 mm Panel

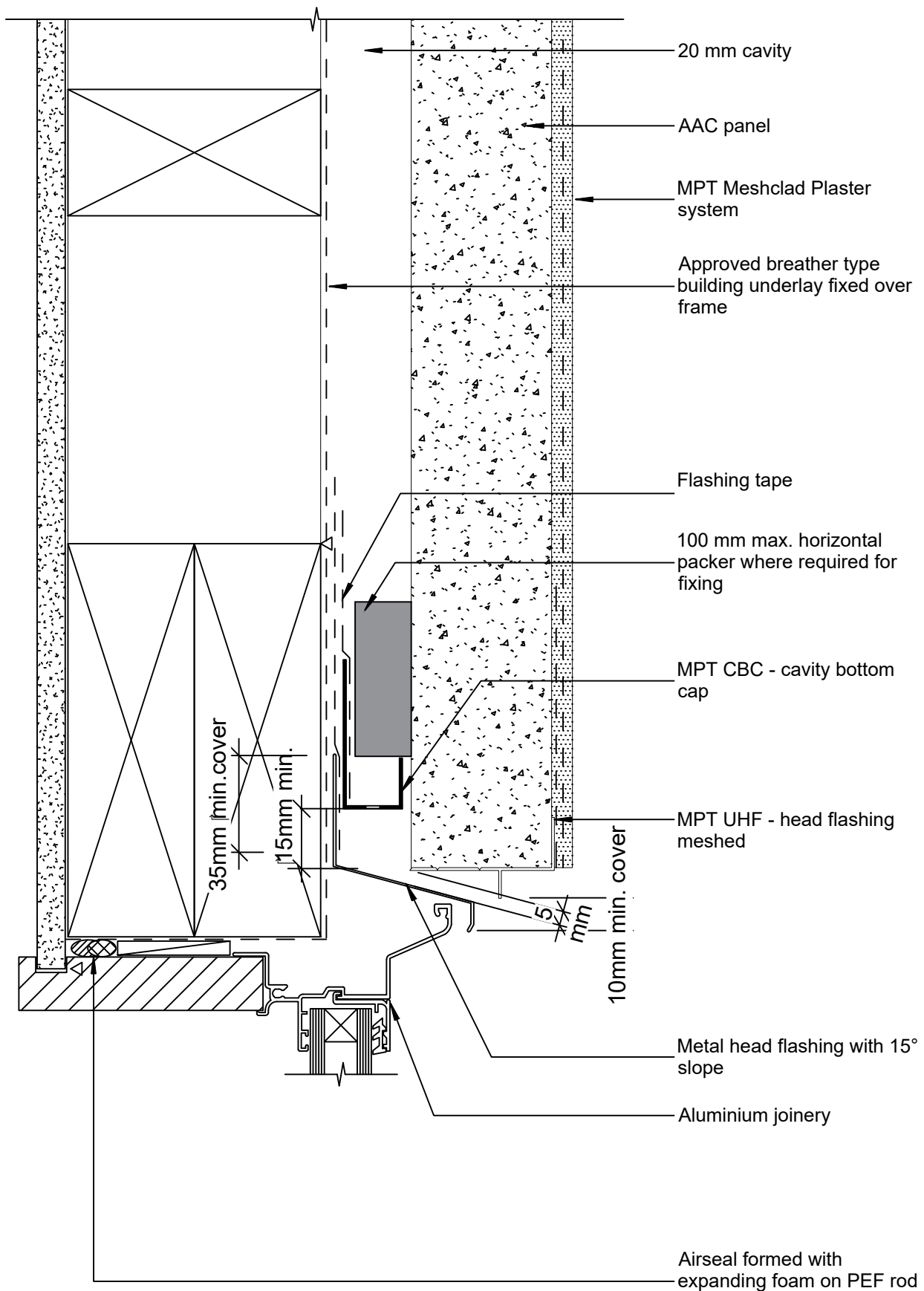
Reference: A\_D002

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Scale: 1 : 4 @ A4

Revision: 3

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## MPT Petrapanel

### Aluminum Head Detail

AAC 50 or 75 mm Panel

Reference: A\_D004

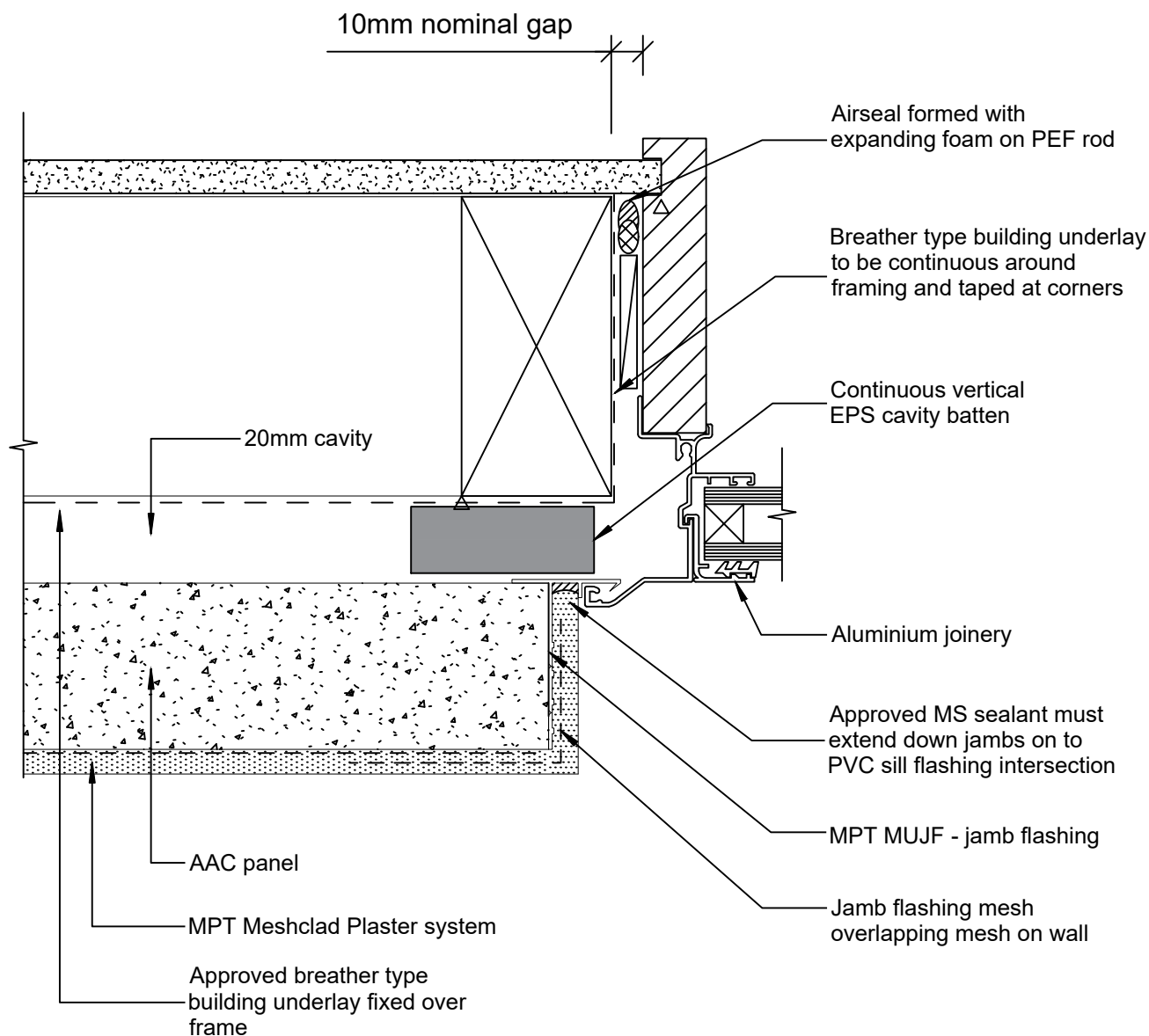
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## MPT Petrapanel Window - Aluminium Jamb Detail

AAC 50 or 75 mm Panel

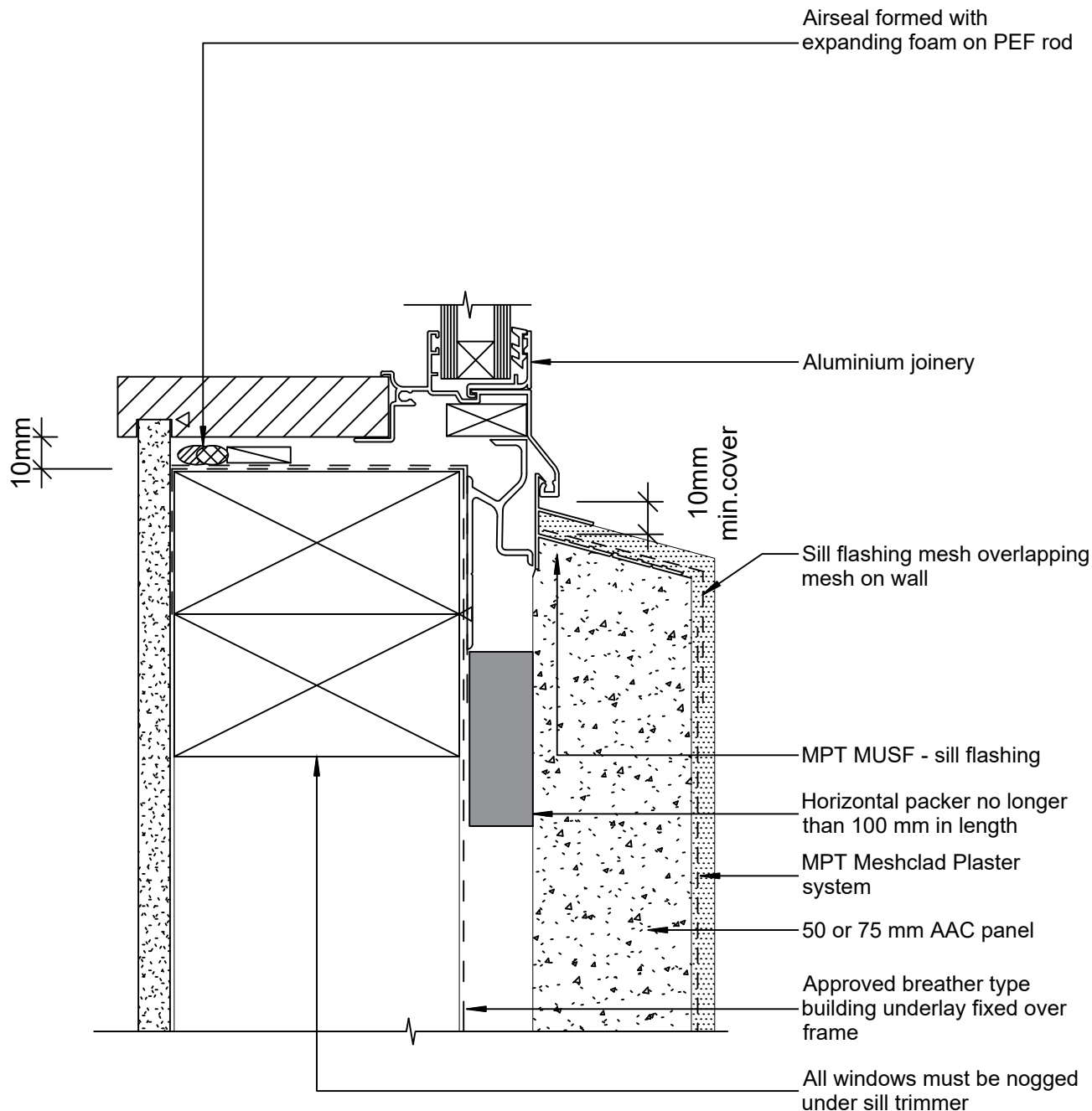
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## MPT Petrapanel Window - Aluminium Sill Detail

AAC 50 or 75 mm Panel

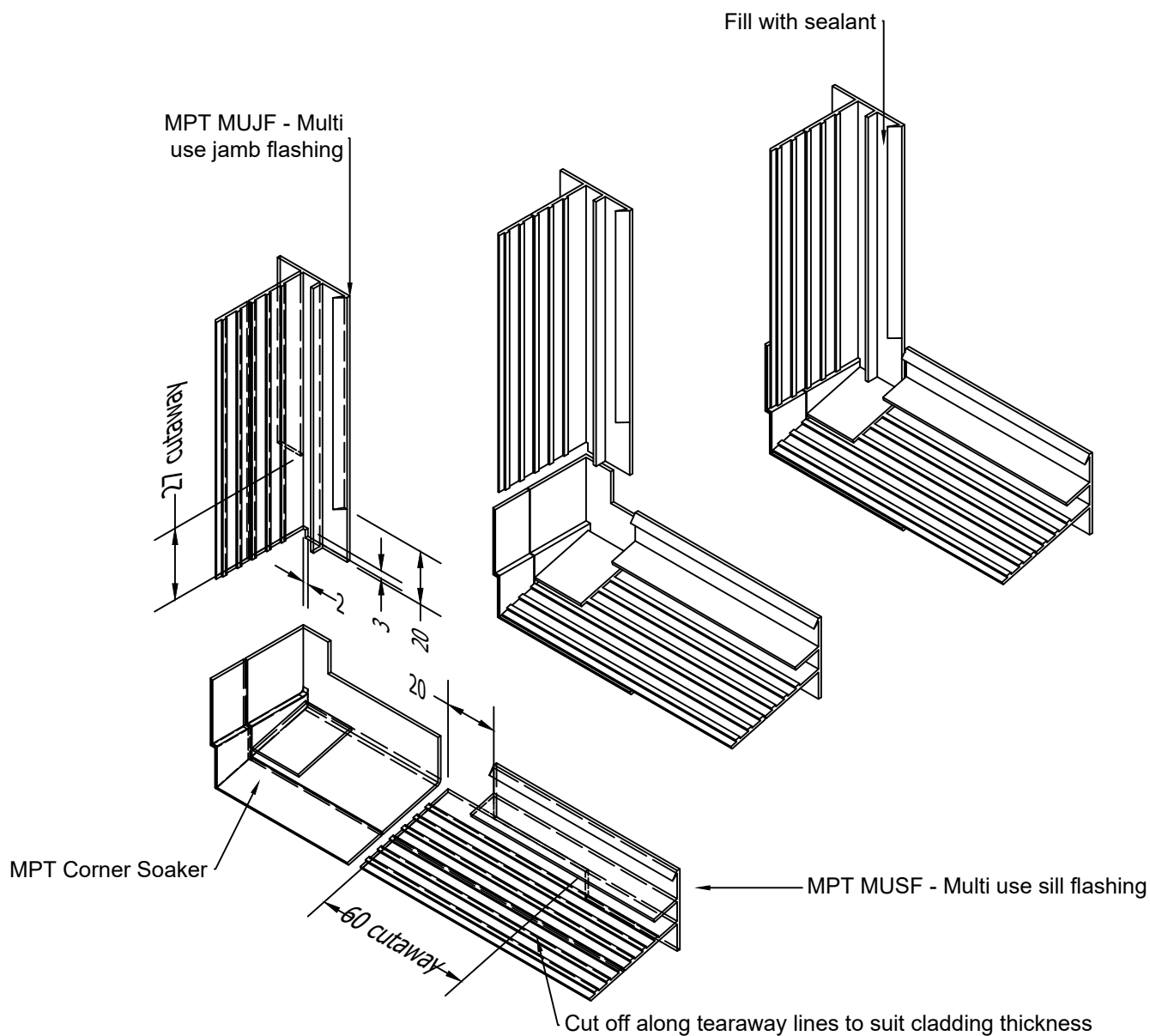
Reference: A\_D006

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All units in mm  
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## MPT Petrapanel

Junction - Jamb-Sill Junction with Corner Soaker

AAC 50 or 75 mm Panel

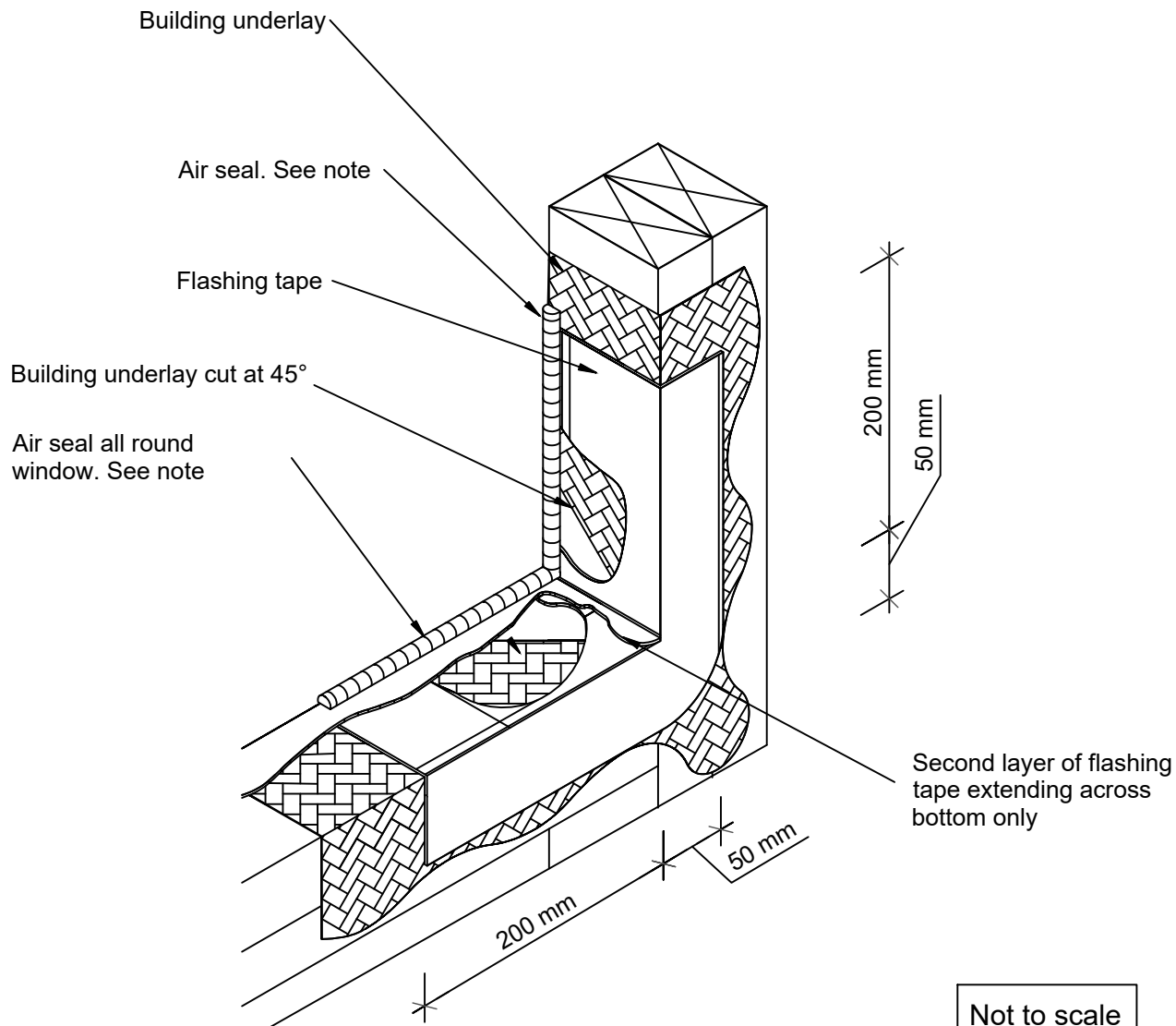
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**Note:**

- Air seal formed with expanding foam.
- Laps to face downward
- Butterfly all corners of window and door openings

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## MPT Petrapanel

Window - Sill Trim - Bottom Corner Detail

AAC 50 or 75 mm Panel

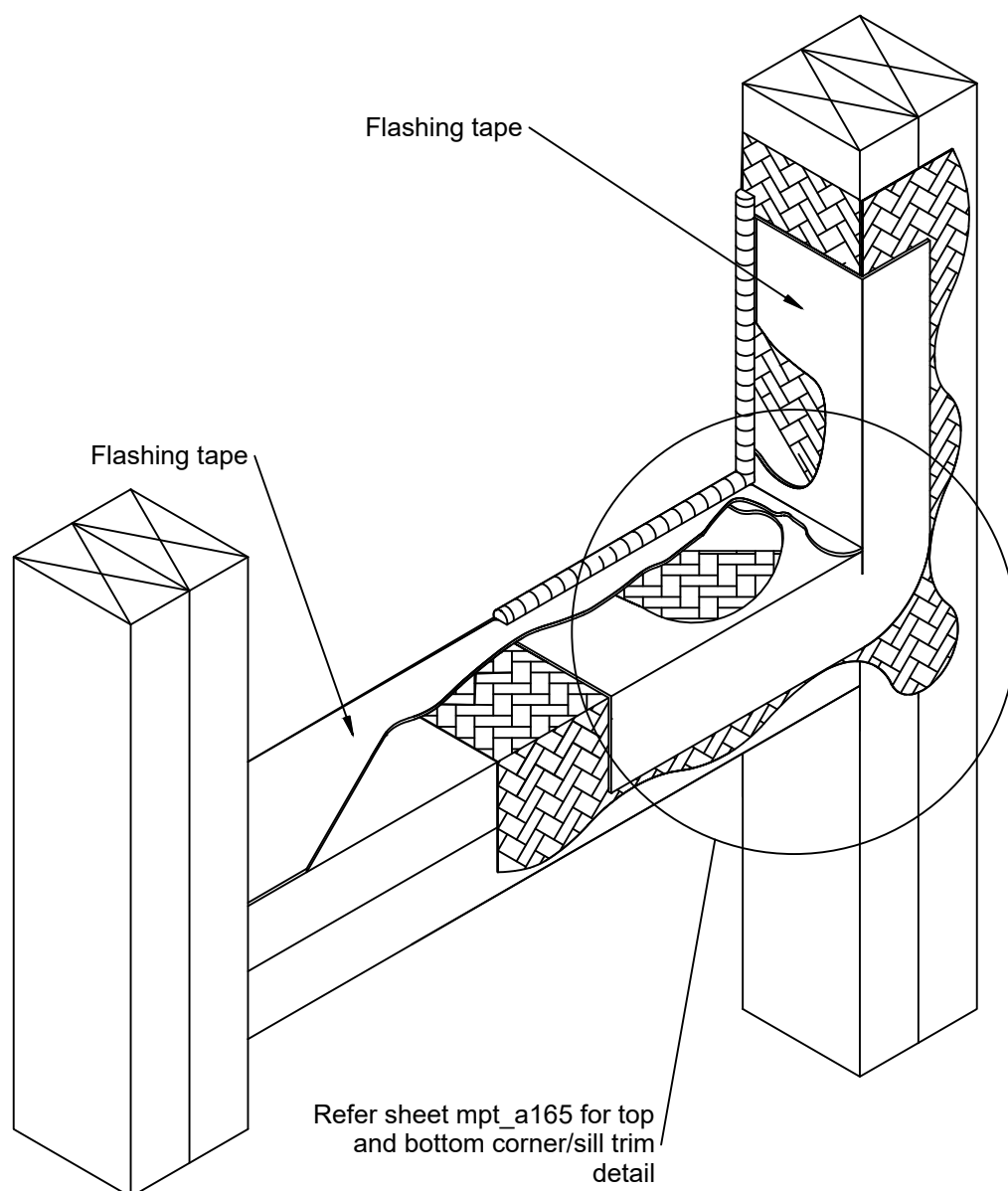
Reference: A\_D008

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Note: A sloped sill trimmer is required when the glazing pocket of the window is located back past the line of the wall framing

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## MPT Petrapanel

### Window - Flexible Air Seal Detail

AAC 50 or 75 mm Panel

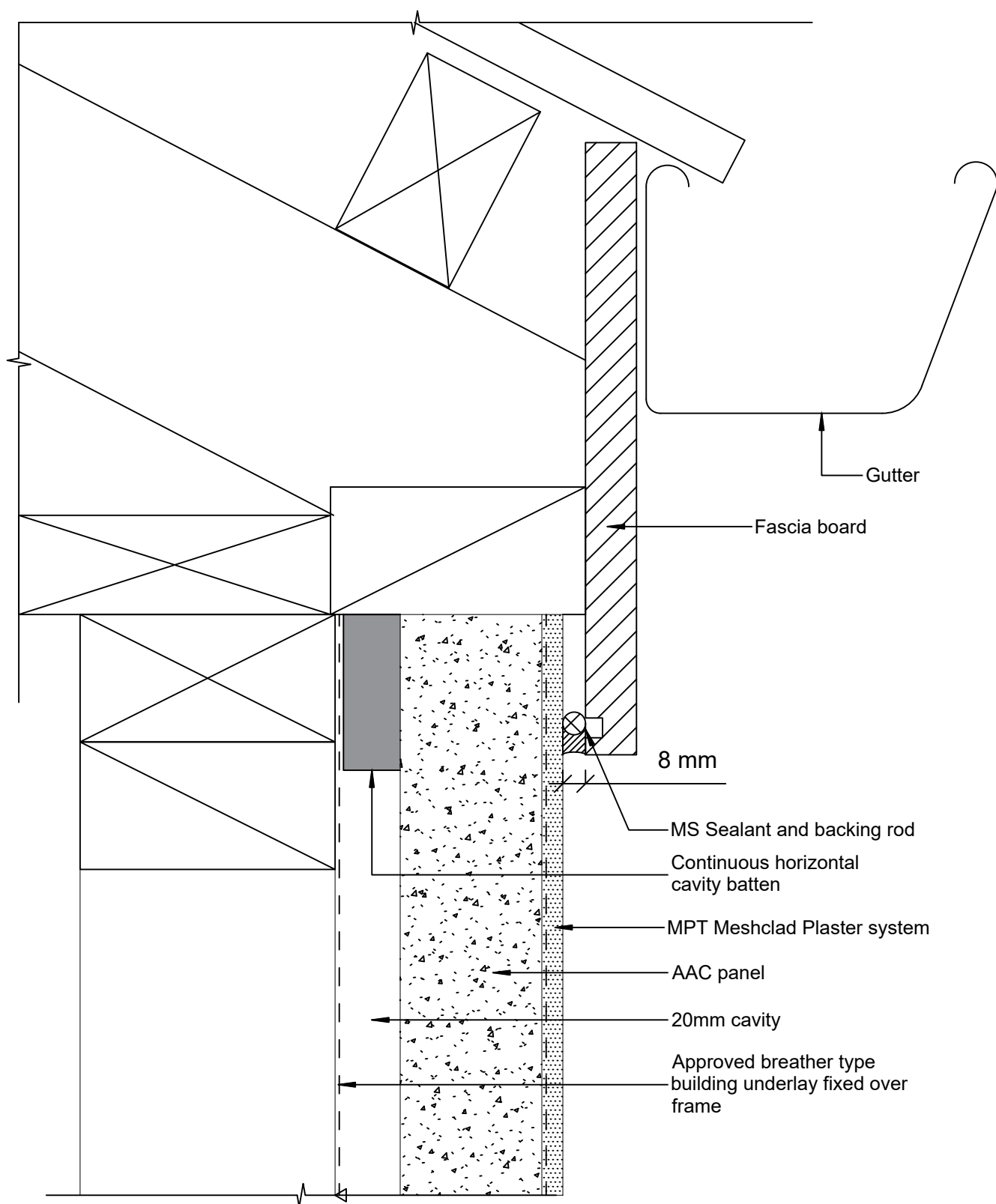
Reference: A\_D009

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**Note:** Apply plaster before fascia board and gutter installed

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## MPT Petrapanel Soffit - Flush Eaves Gutter

AAC 50 or 75 mm Panel

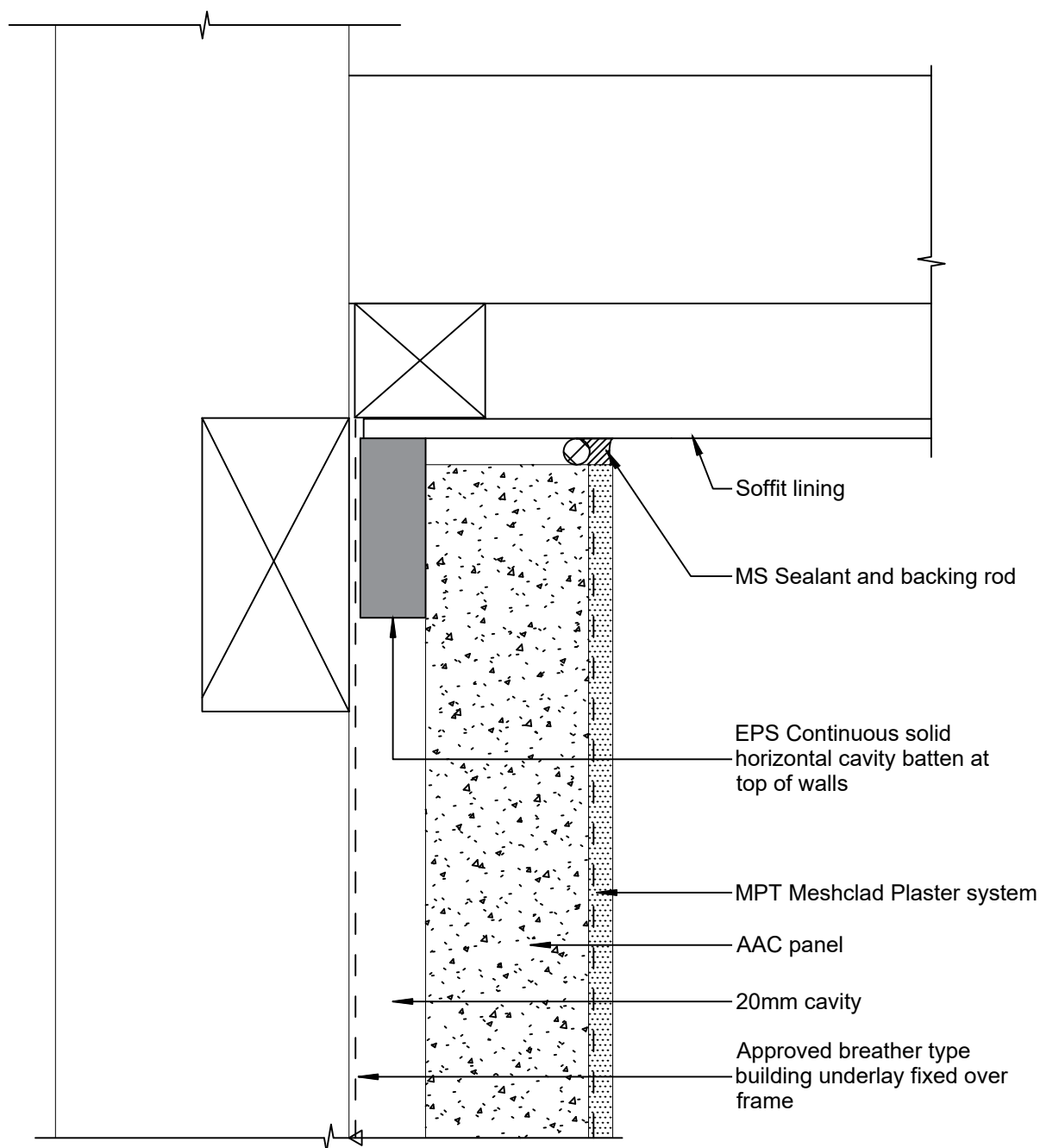
Reference: A\_E001

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 3

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## MPT Petrapanel

### Soffit - Horizontal Detail

AAC 50 or 75 mm Panel

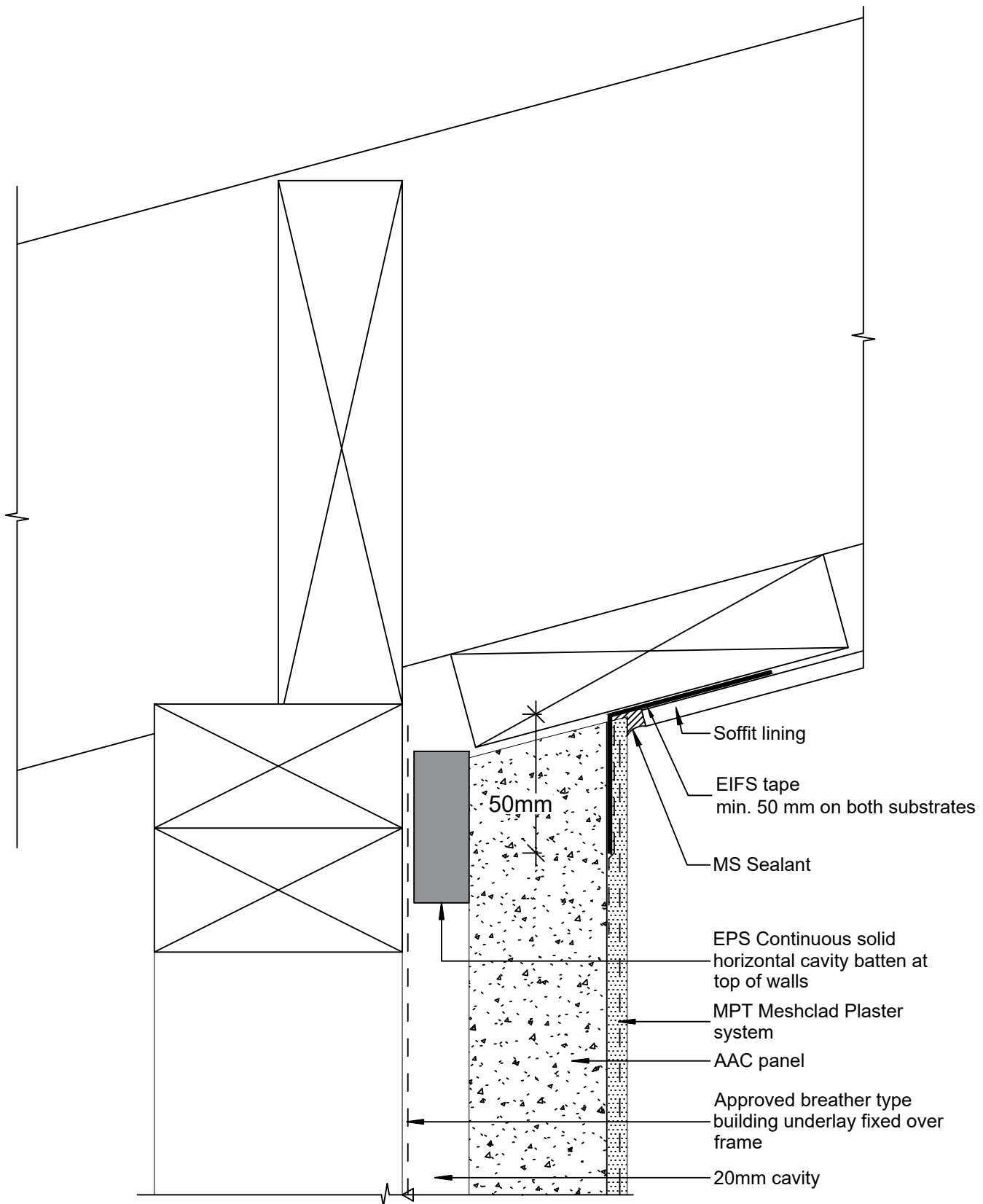
Reference: A\_E002

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 3

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## MPT Petrapanel

### Reverse - Slope Soffit with Concealed Flashing

AAC 50 or 75 mm Panel

Reference: A\_E003

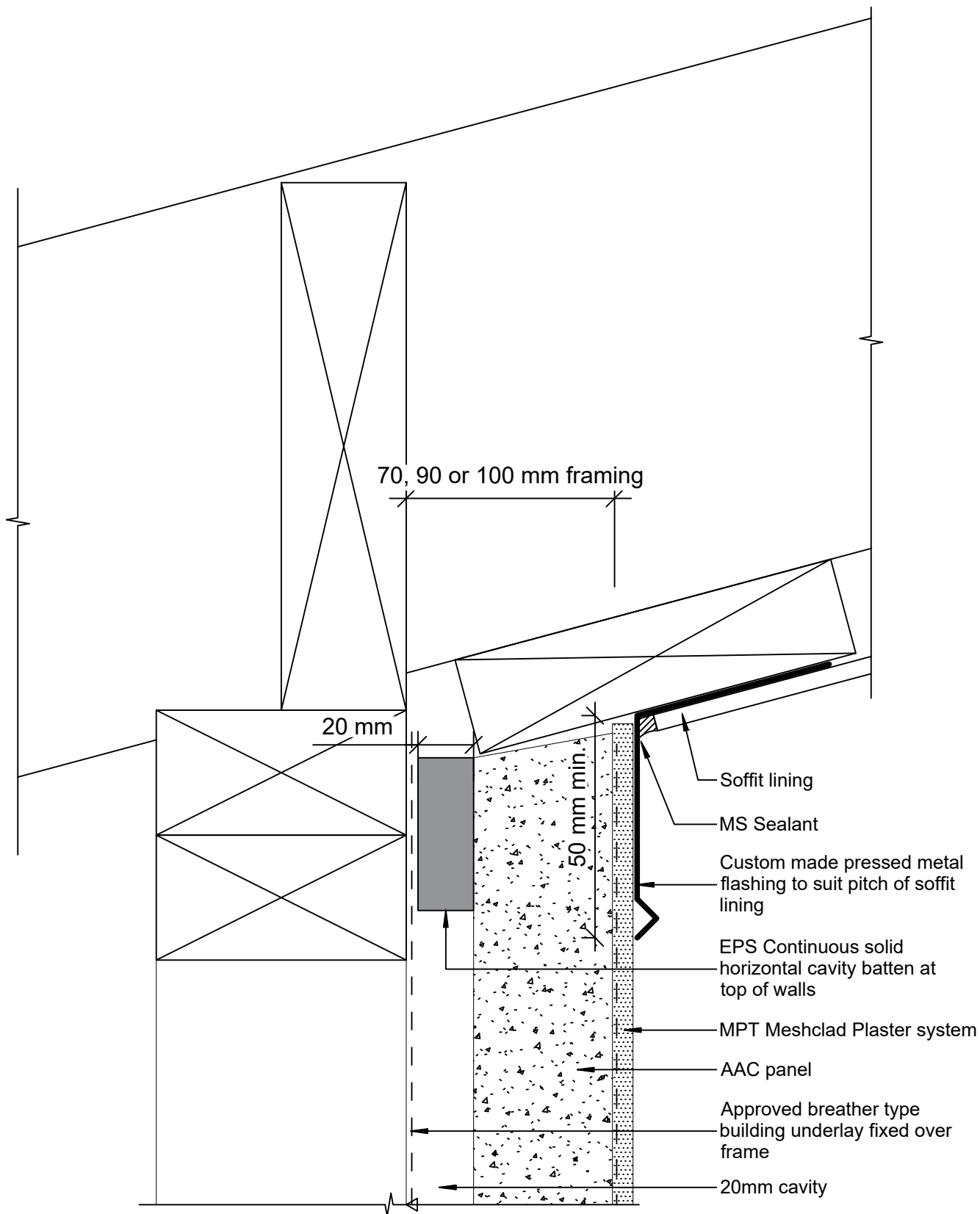
Date: June 2021

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## MPT Petrapanel

### Soffit - Reverse Raked - Option 2

AAC 50 or 75 mm Panel

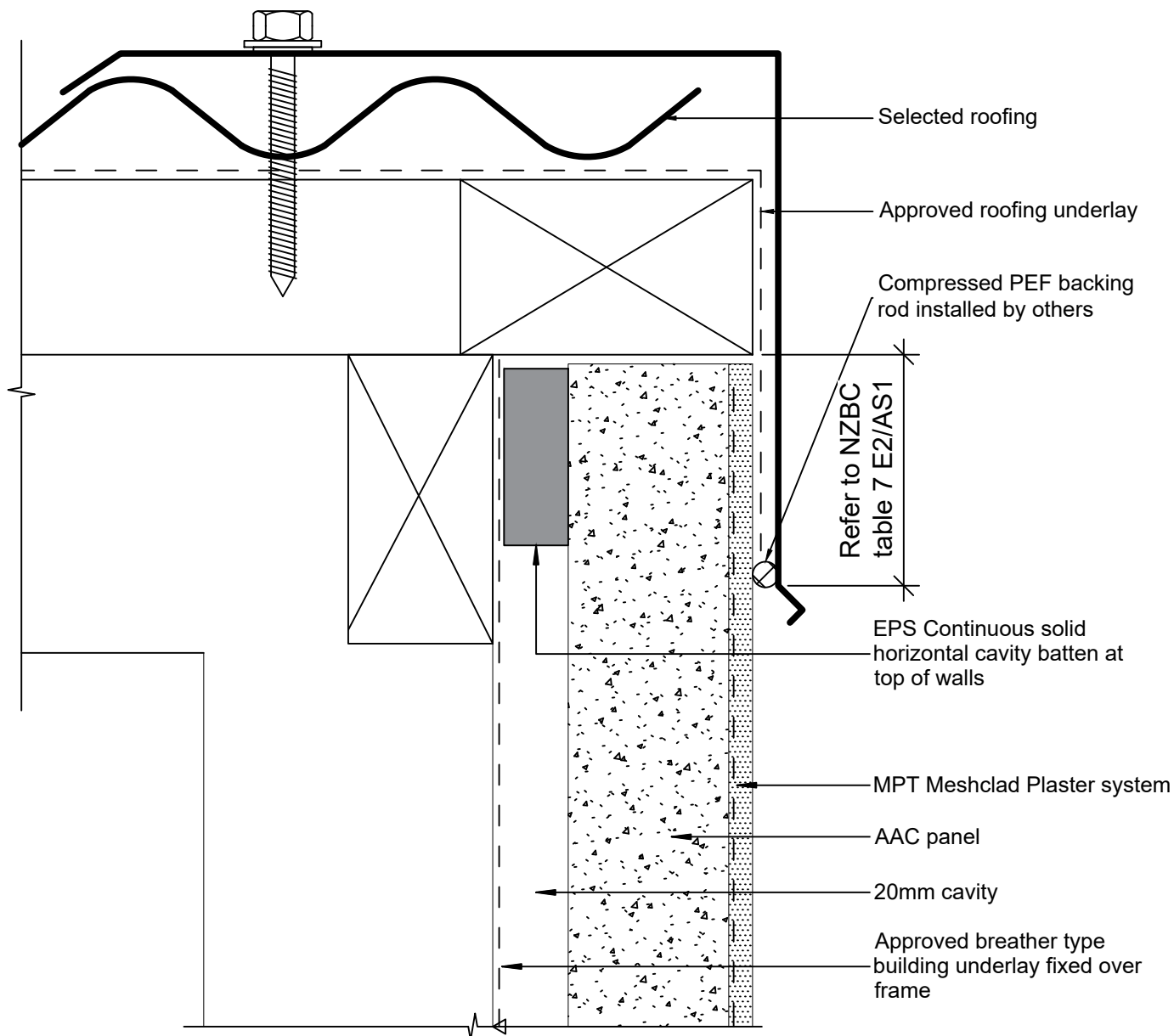
Reference: A\_E004

Date: June 2021

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## MPT Petrapanel

### Soffit - Metal Profile Barge Flashing

AAC 50 or 75 mm Panel

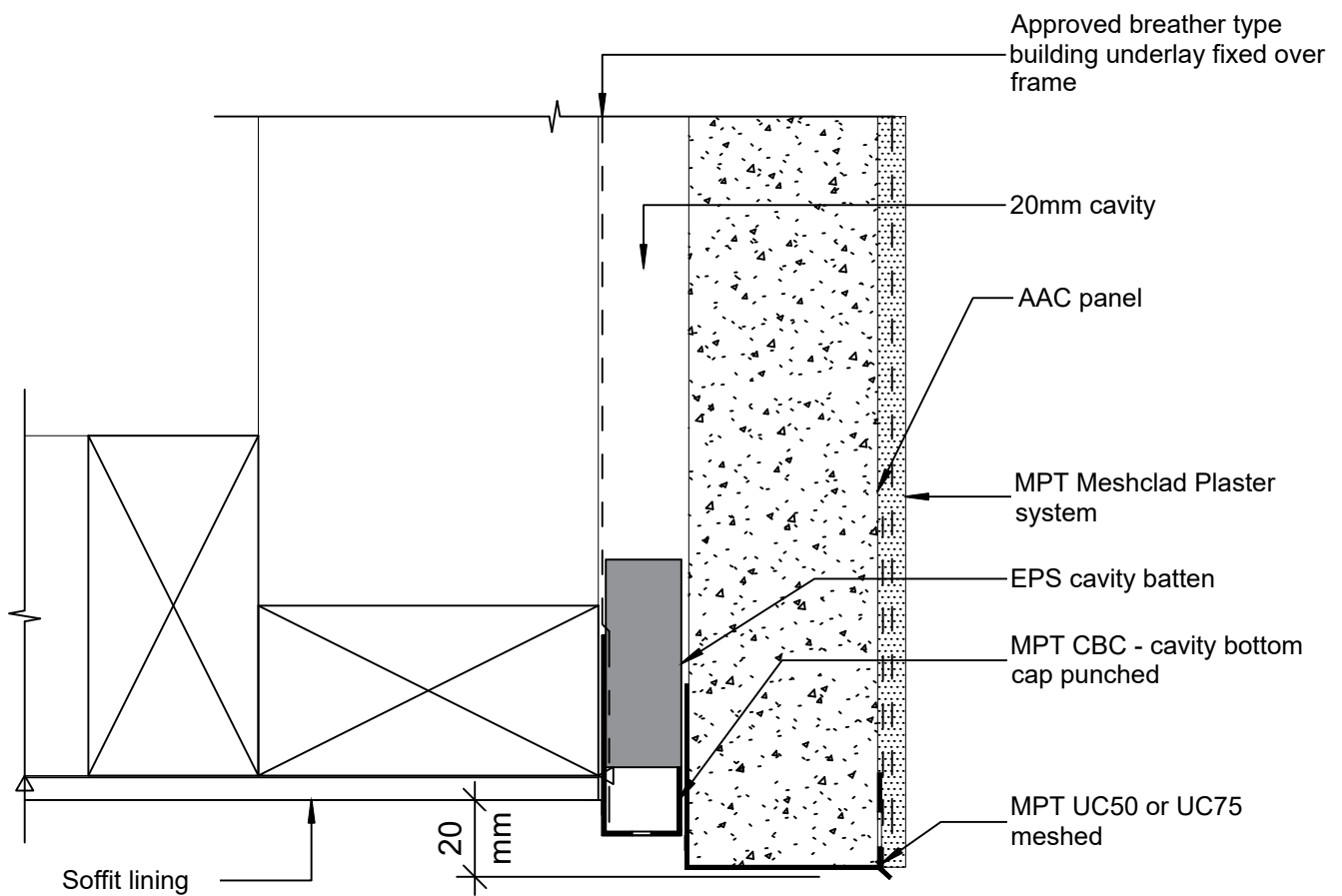
Reference: A\_E005

Date: June 2021

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## MPT Petrapanel

### Soffit - Edge Detail

AAC 50 or 75 mm Panel

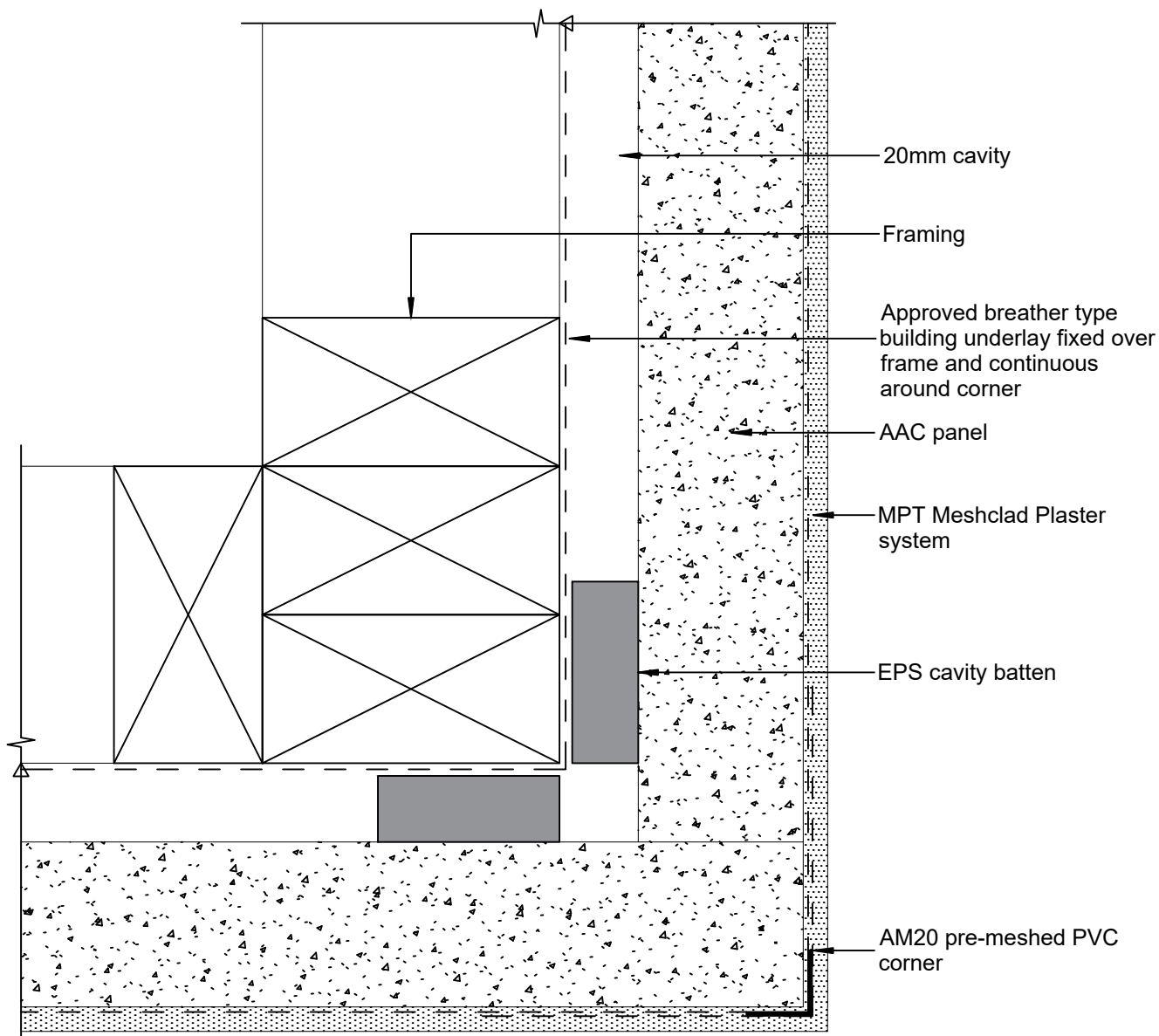
Reference: A\_E006

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## MPT Petrapanel

### Corner - Typical External Corner

AAC 50 or 75 mm Panel

Reference: A\_F001

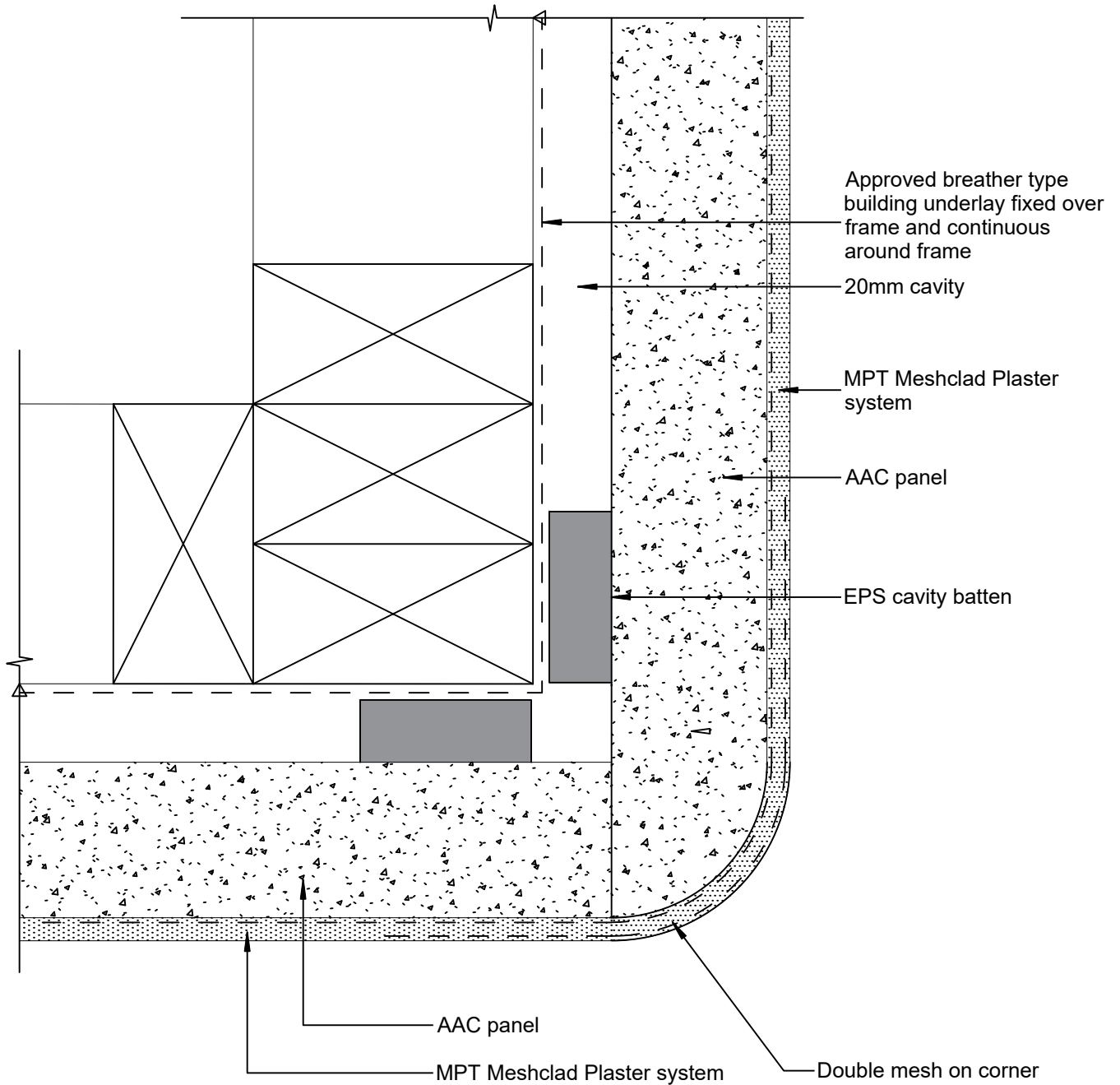
Date: June 2021

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Exposed cut-ends for rebar to be coated with  
Zinc Primer



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## MPT Petrapanel

Corner - External Round Corner

AAC 50 or 75 mm Panel

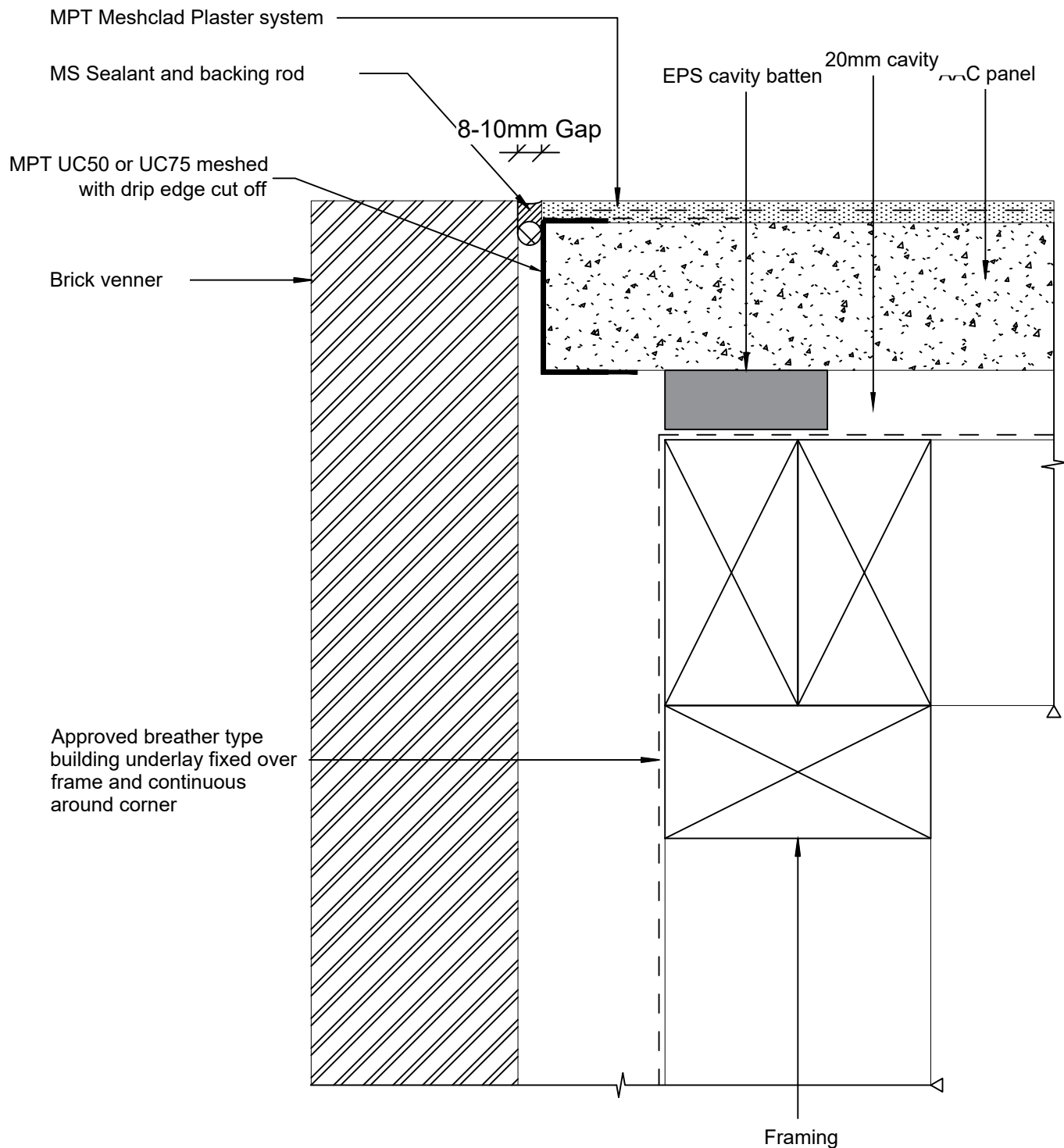
Reference: A\_F002

Date: June 2021

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## MPT Petrapanel

AAC-to-Brick External Corner Junction

AAC 50 or 75 mm Panel

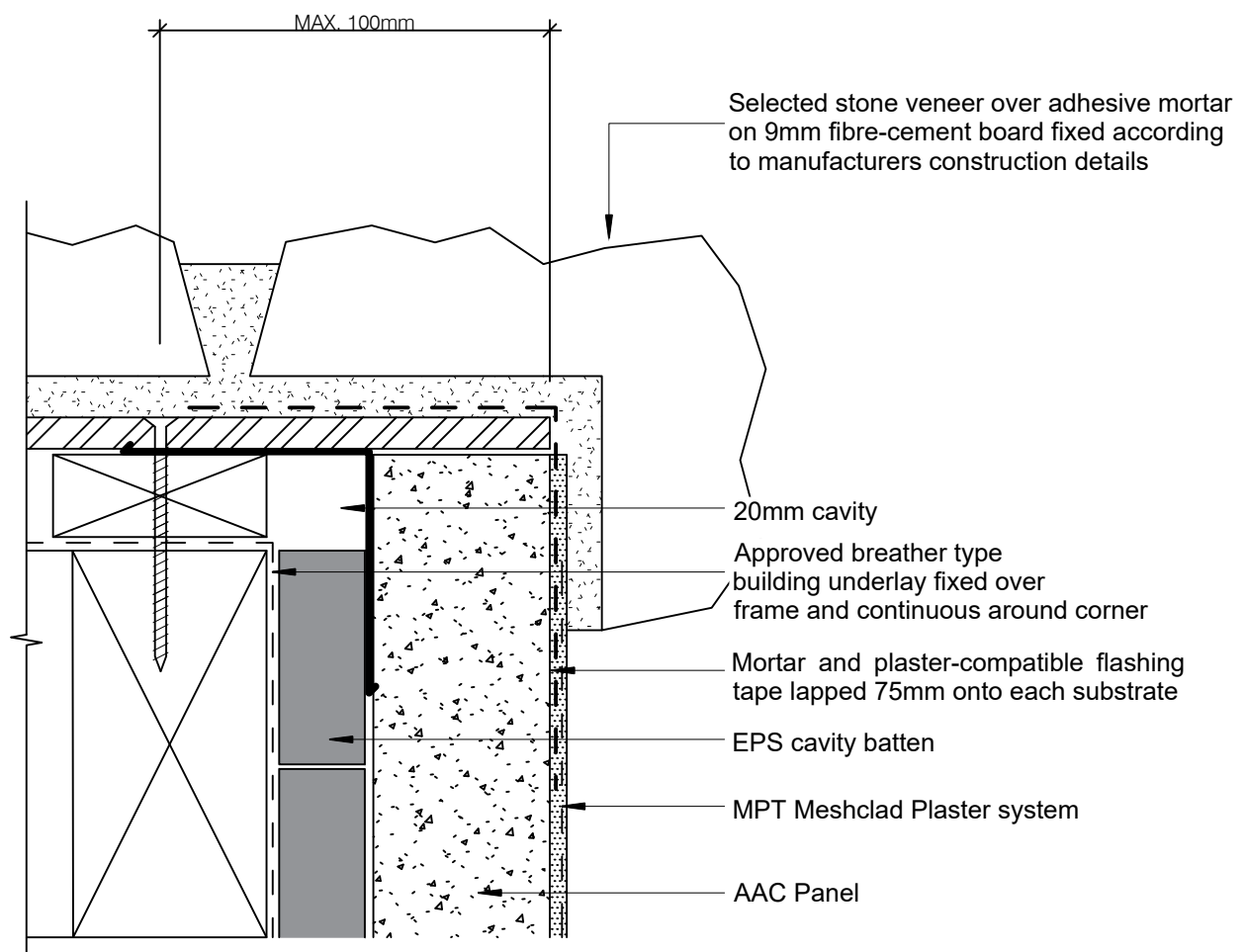
Reference: A\_F003

Date: June 2021

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Revision: 3

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## MPT Petrapanel

### External Corner with Stone Veneer

AAC 50 or 75 mm Panel

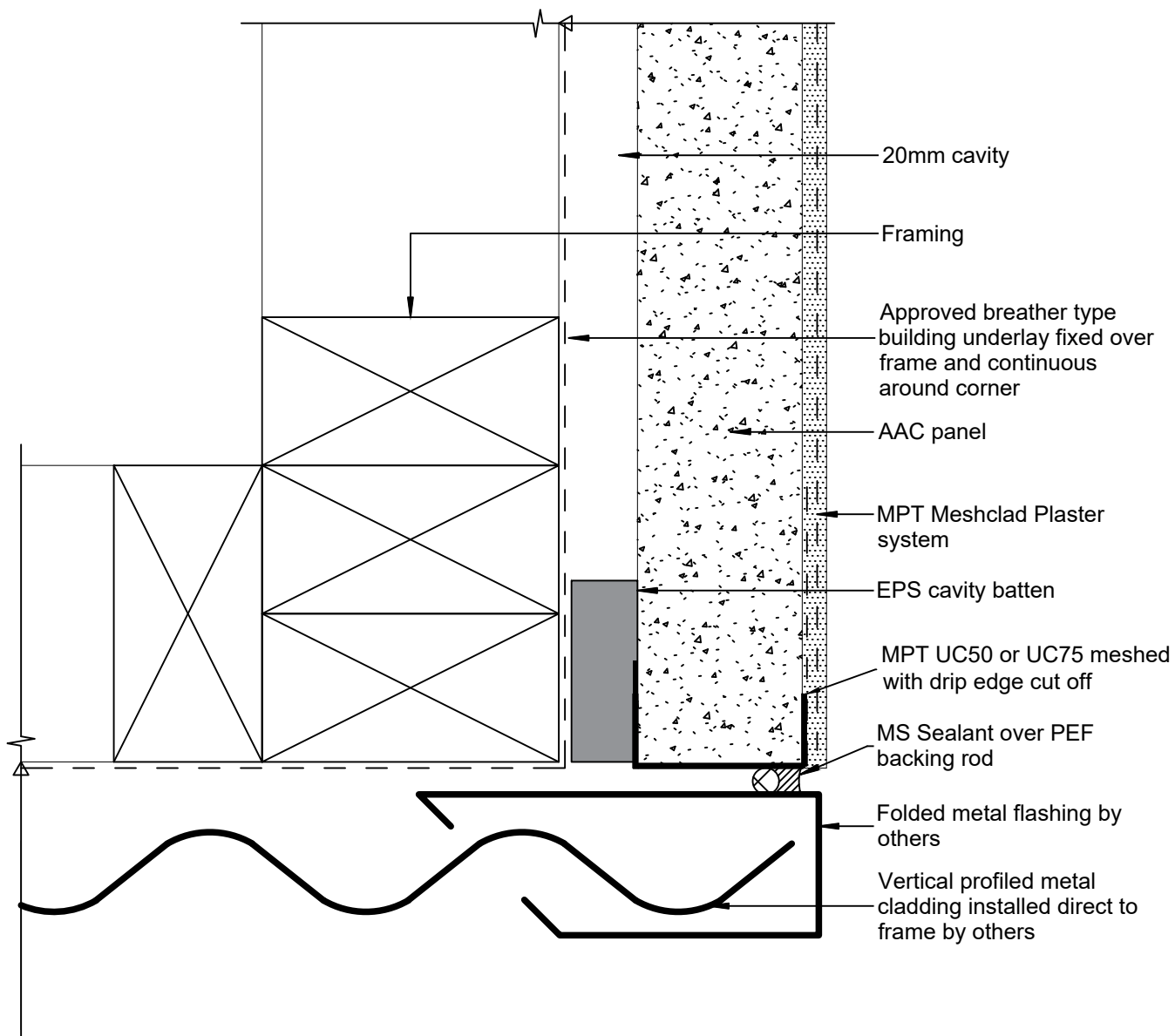
Reference: A\_F004

Date: June 2021

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## MPT Petrapanel

### Corner - External Corner with Vertical Metal Cladding

AAC 50 or 75 mm Panel

Reference: A\_F005

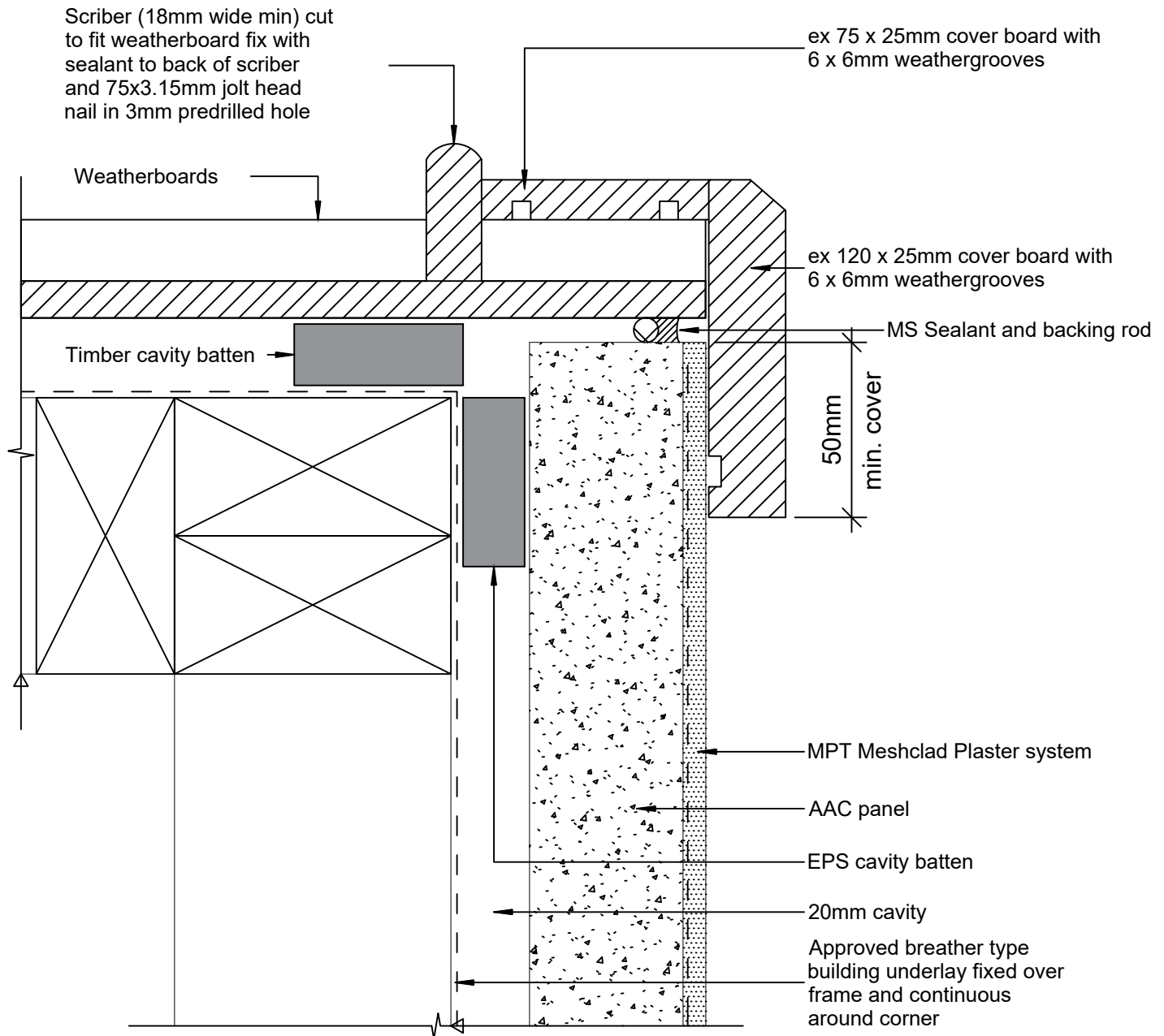
Date: June 2021

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## MPT Petrapanel

### External Corner Weatherboard Junction

AAC 50 or 75 mm Panel

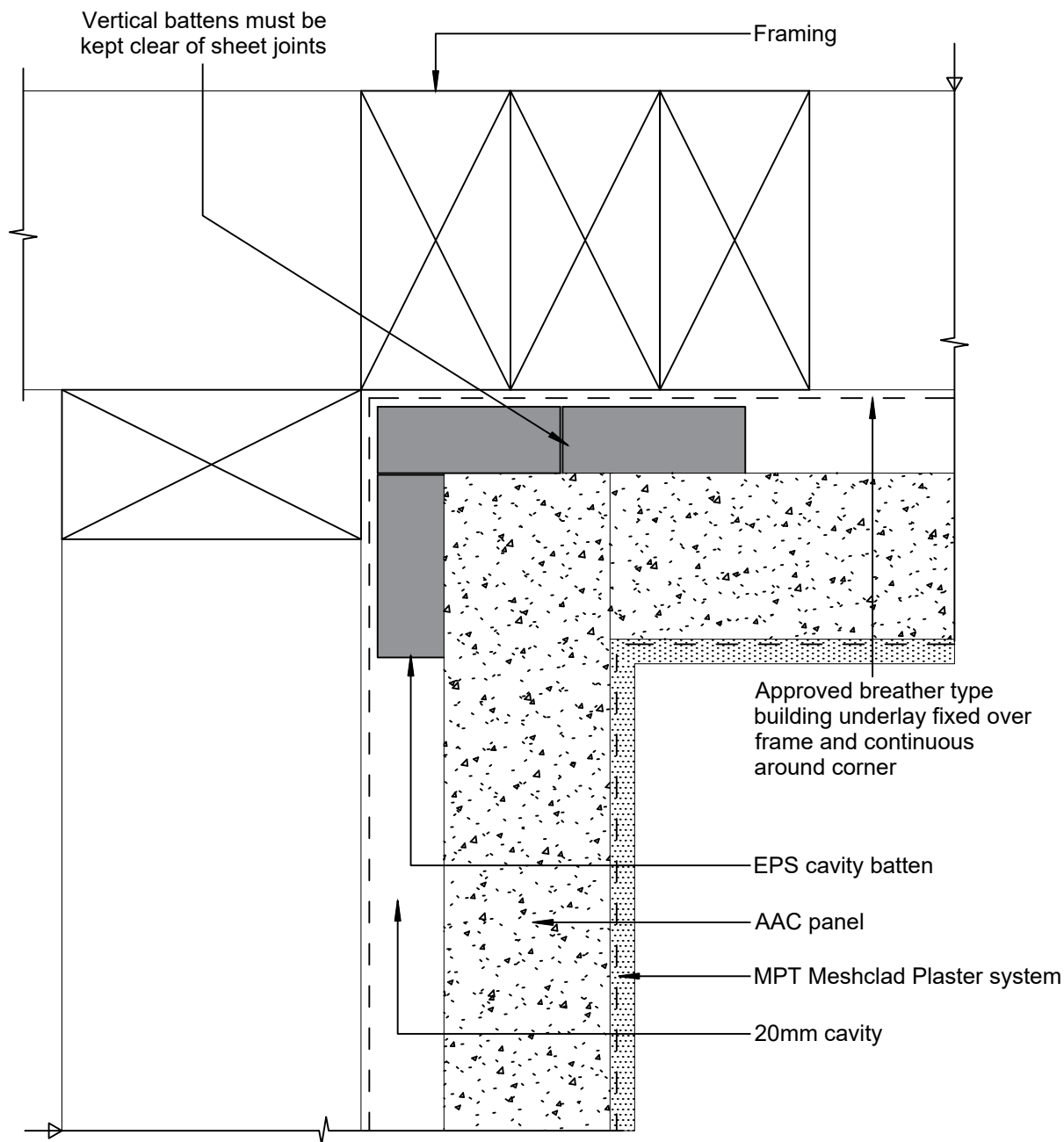
Reference: A\_F006

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## MPT Petrapanel Typical Internal Corner

AAC 50 or 75 mm Panel

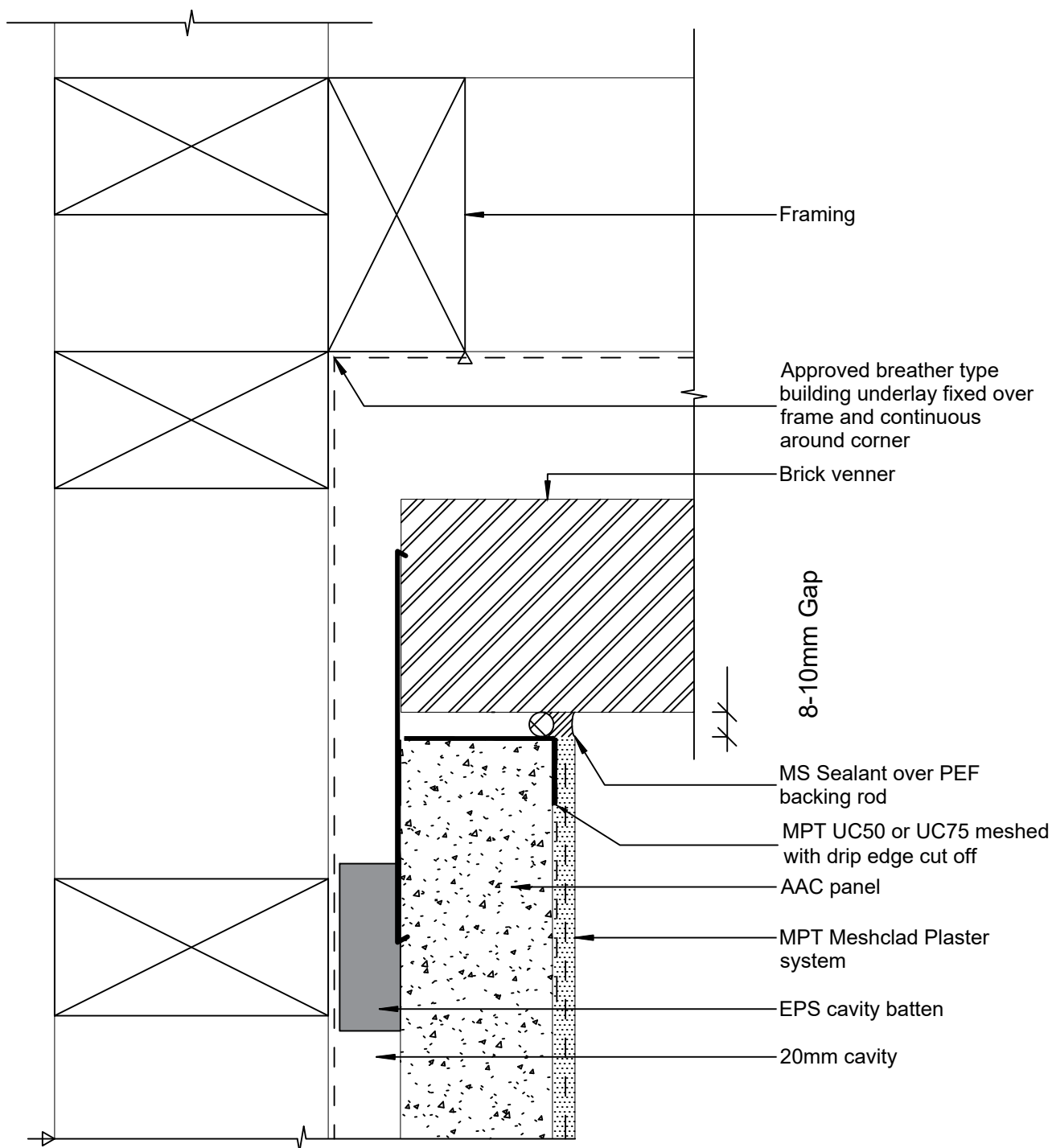
Reference: A\_G001

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 3

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## MPT Petrapanel

Corner - Internal Corner Junction to Brick

AAC 50 or 75 mm Panel

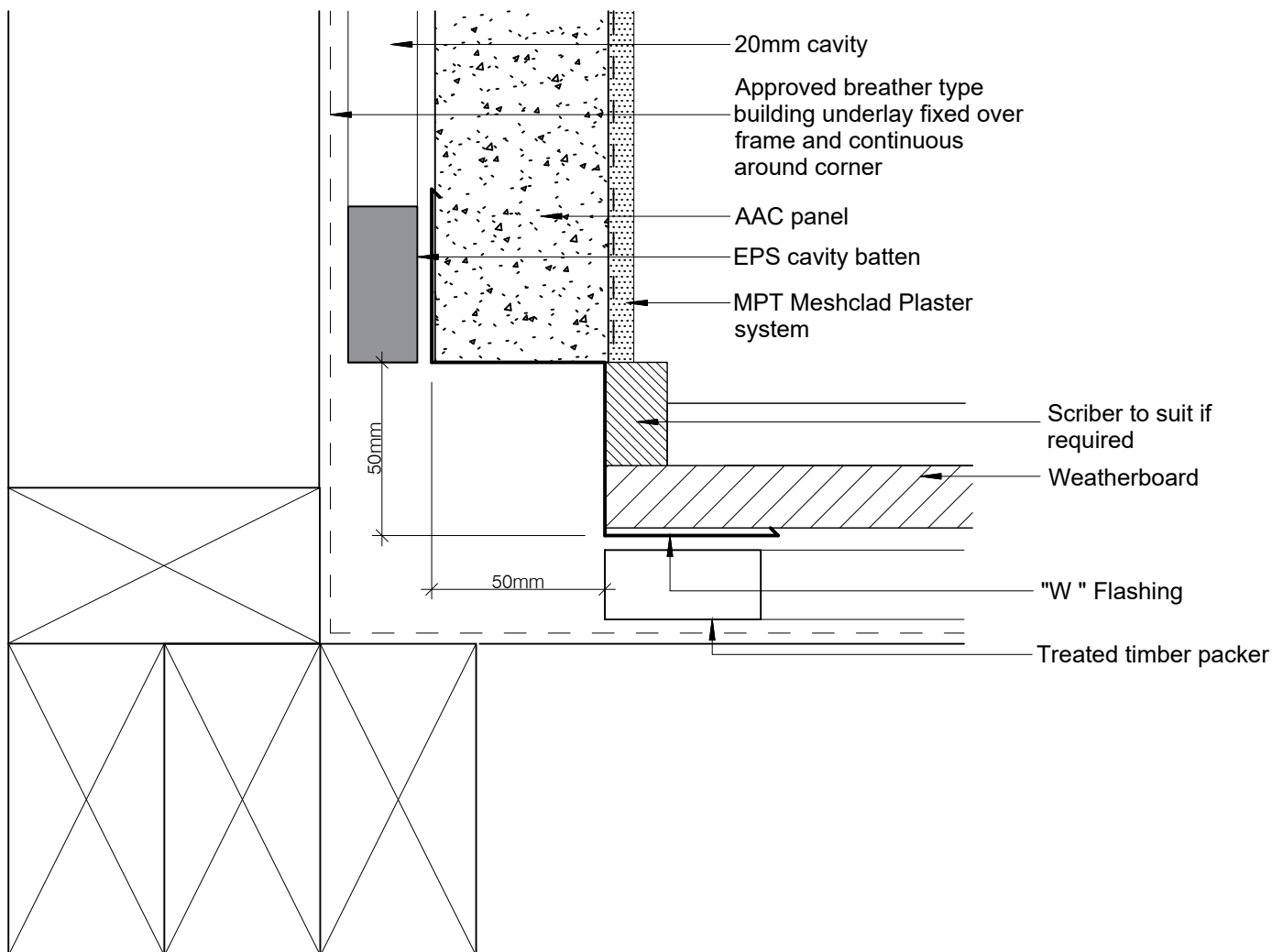
Reference: A\_G002

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## MPT Petrapanel

Corner - Internal Corner Junction with "W" Flashing and Weatherboard

AAC 50 or 75 mm Panel

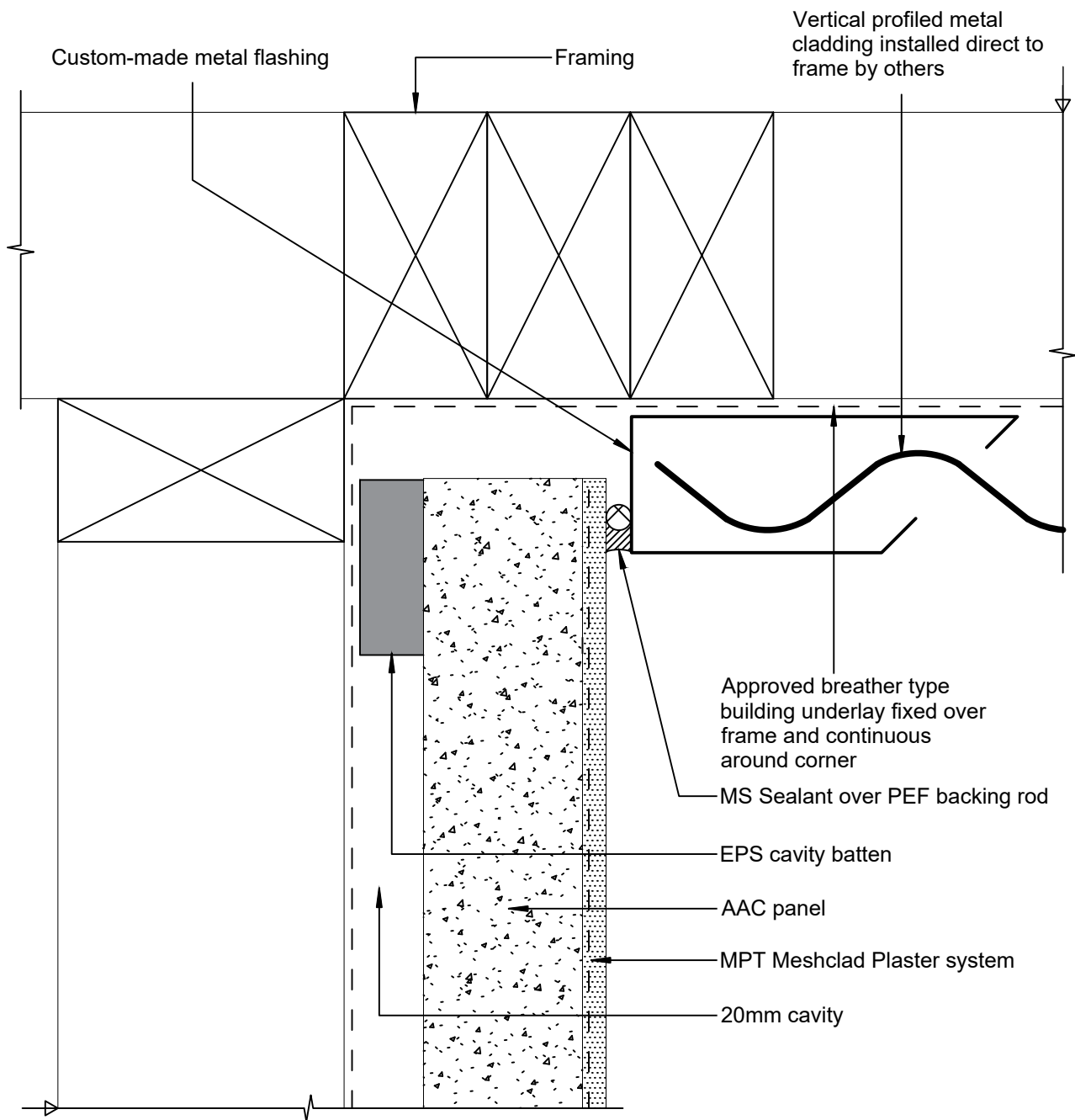
Reference: A\_G003

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 3

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## MPT Petrapanel

Corner - Internal Corner with Vertical Metal Cladding

AAC 50 or 75 mm Panel

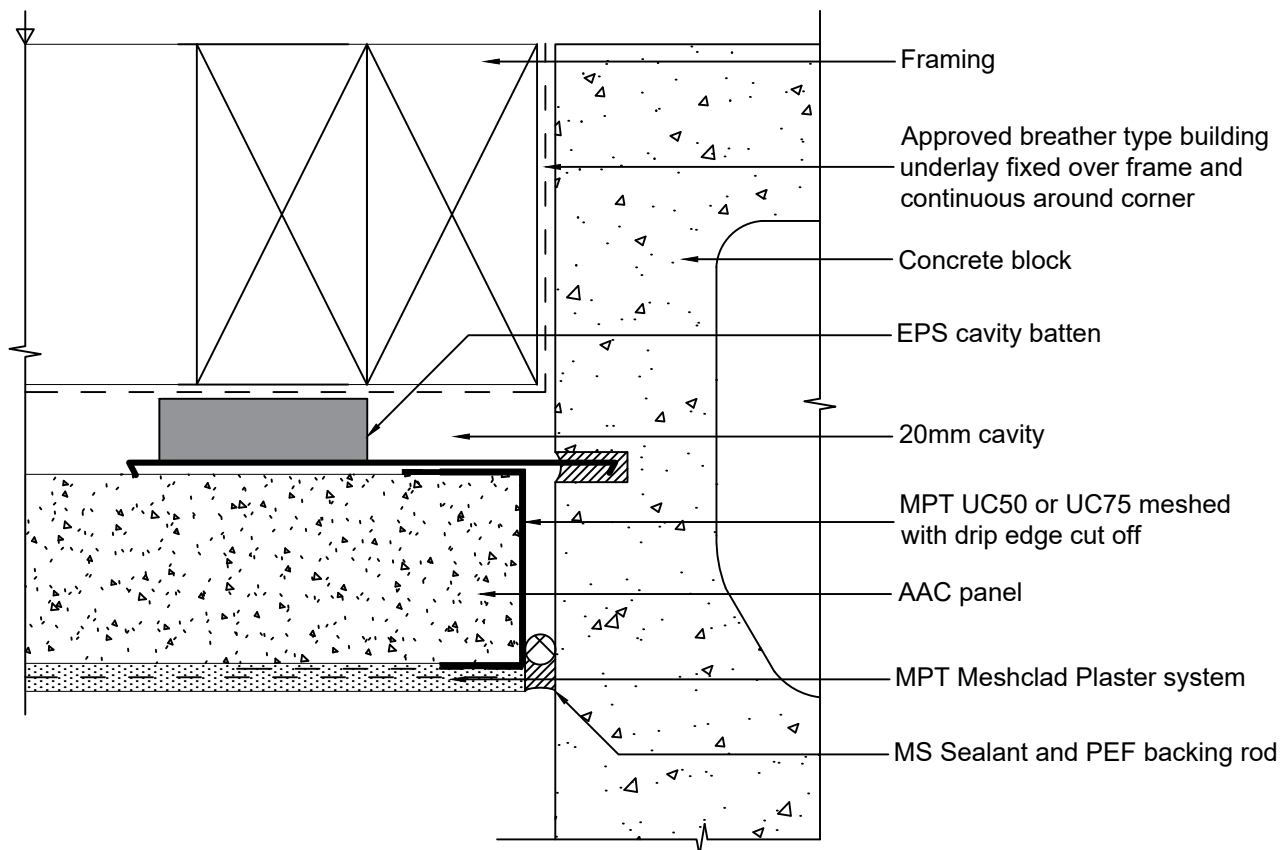
Reference: A\_G004

Date: June 2021

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## MPT Petrapanel

### Corner - Internal Corner Junction to Concrete Block

AAC 50 or 75 mm Panel

Reference: A\_G005

Date: June 2021

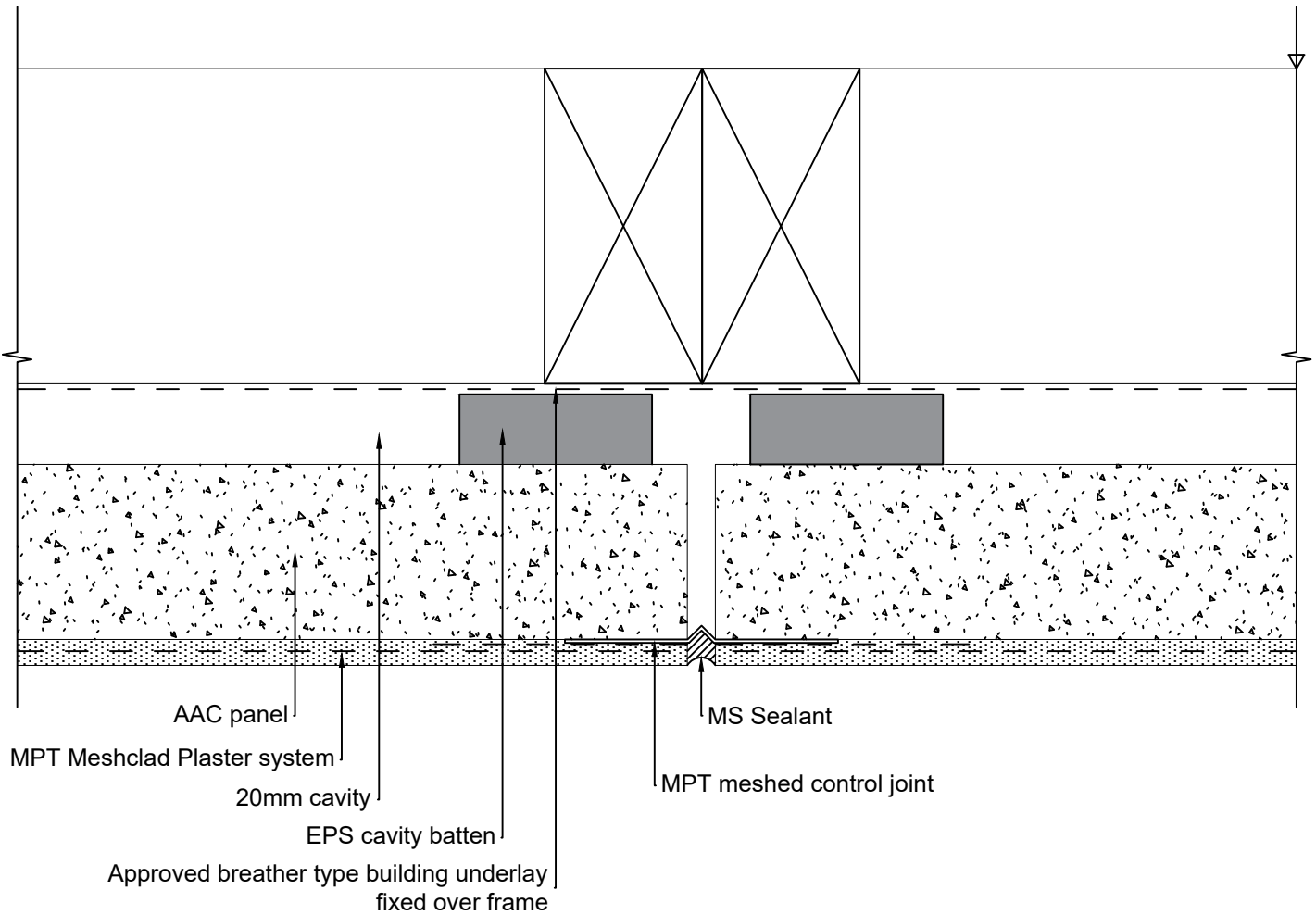
Scale: 1 : 2 @ A4

Revision: 4

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10 10  
mm mm



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## MPT Petrapanel Joint - Vertical Expansion Joint

AAC 50 or 75 mm Panel

Reference: A\_H001

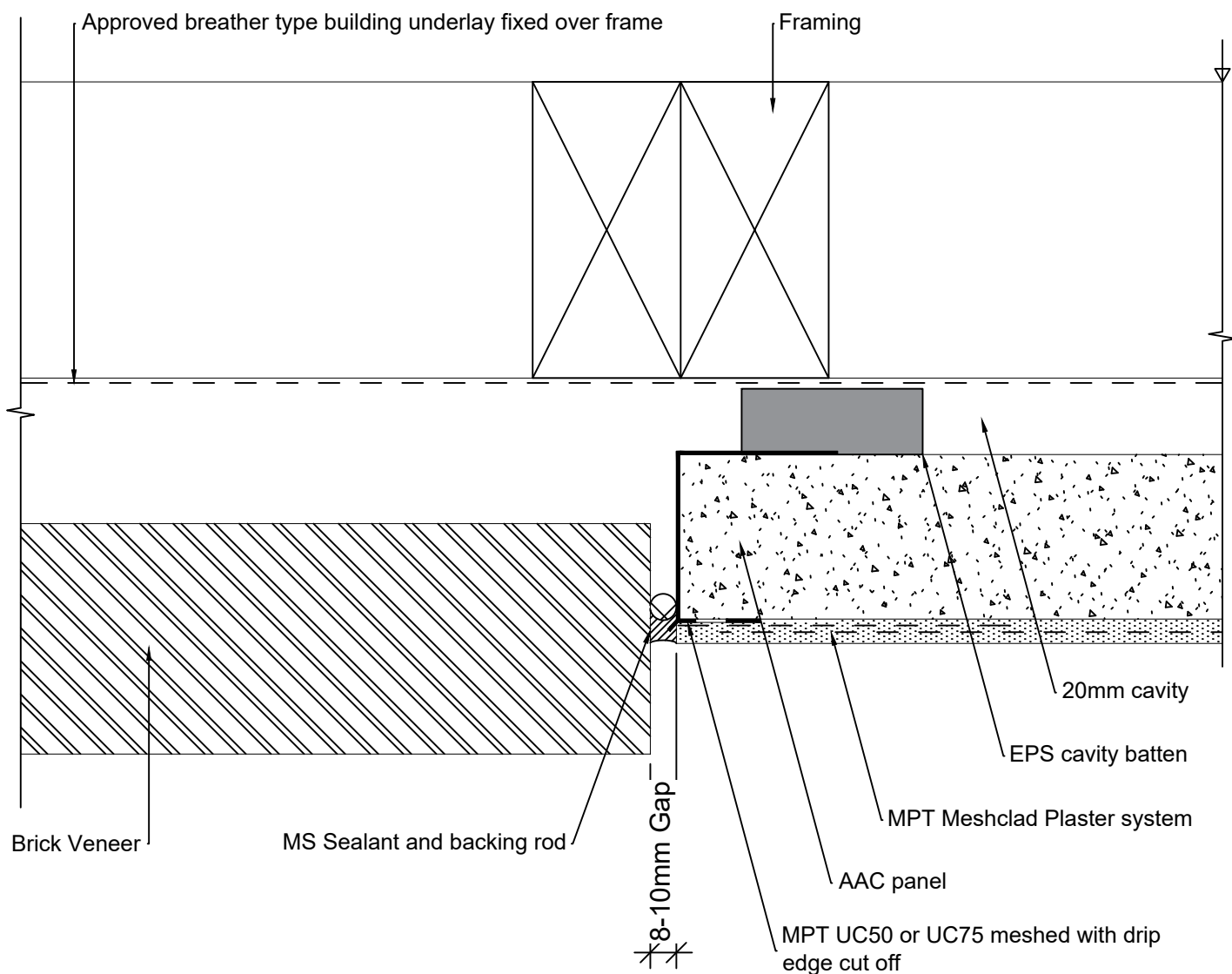
Date: June 2021

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Revision: 4

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## MPT Petrapanel

Vertical Junction to Brick

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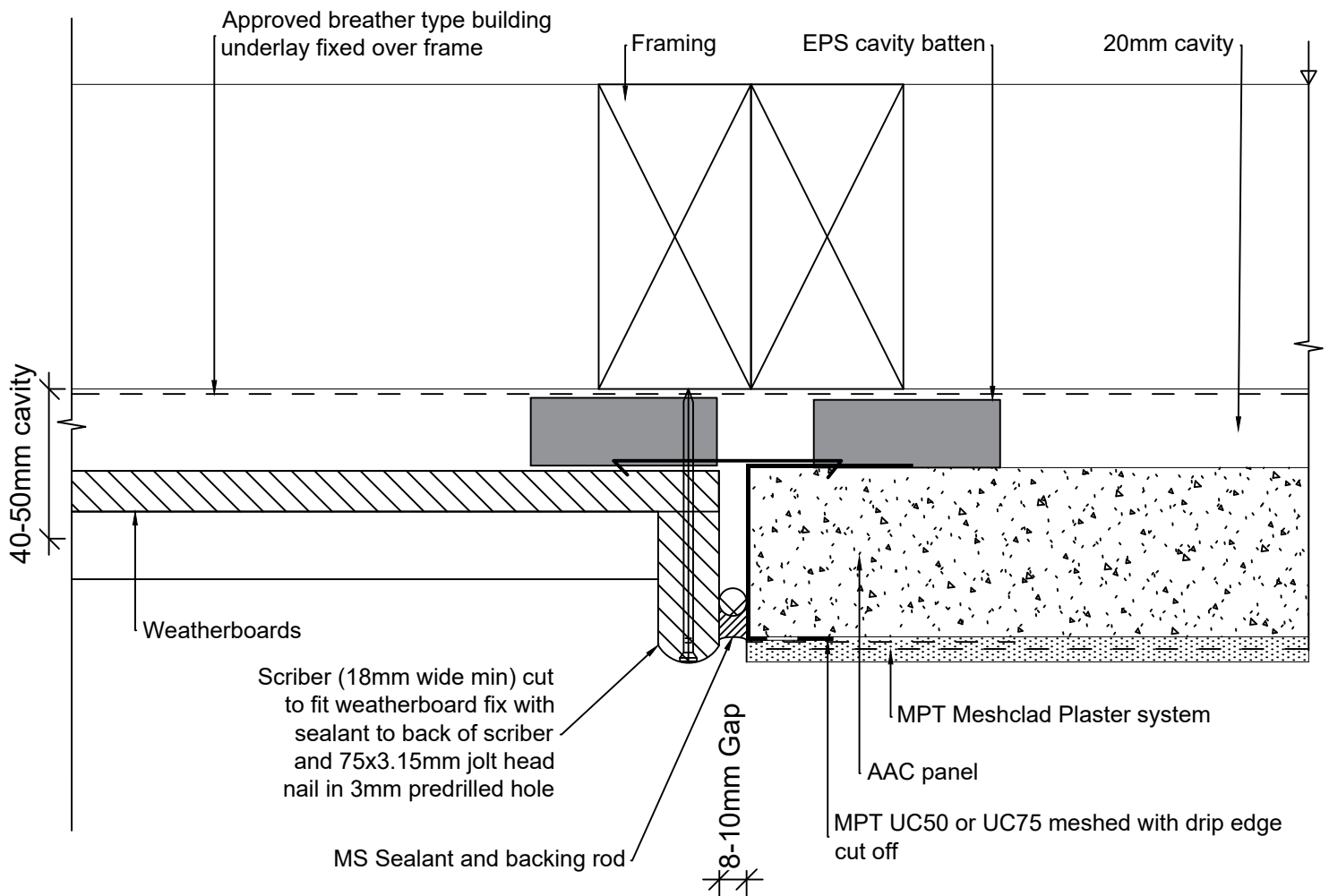
Reference: A\_H002

Date: September 2020

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## MPT Petrapanel

Vertical Expansion Joint to Weatherboard

AAC 50 or 75 mm Panel

Reference: A\_H003

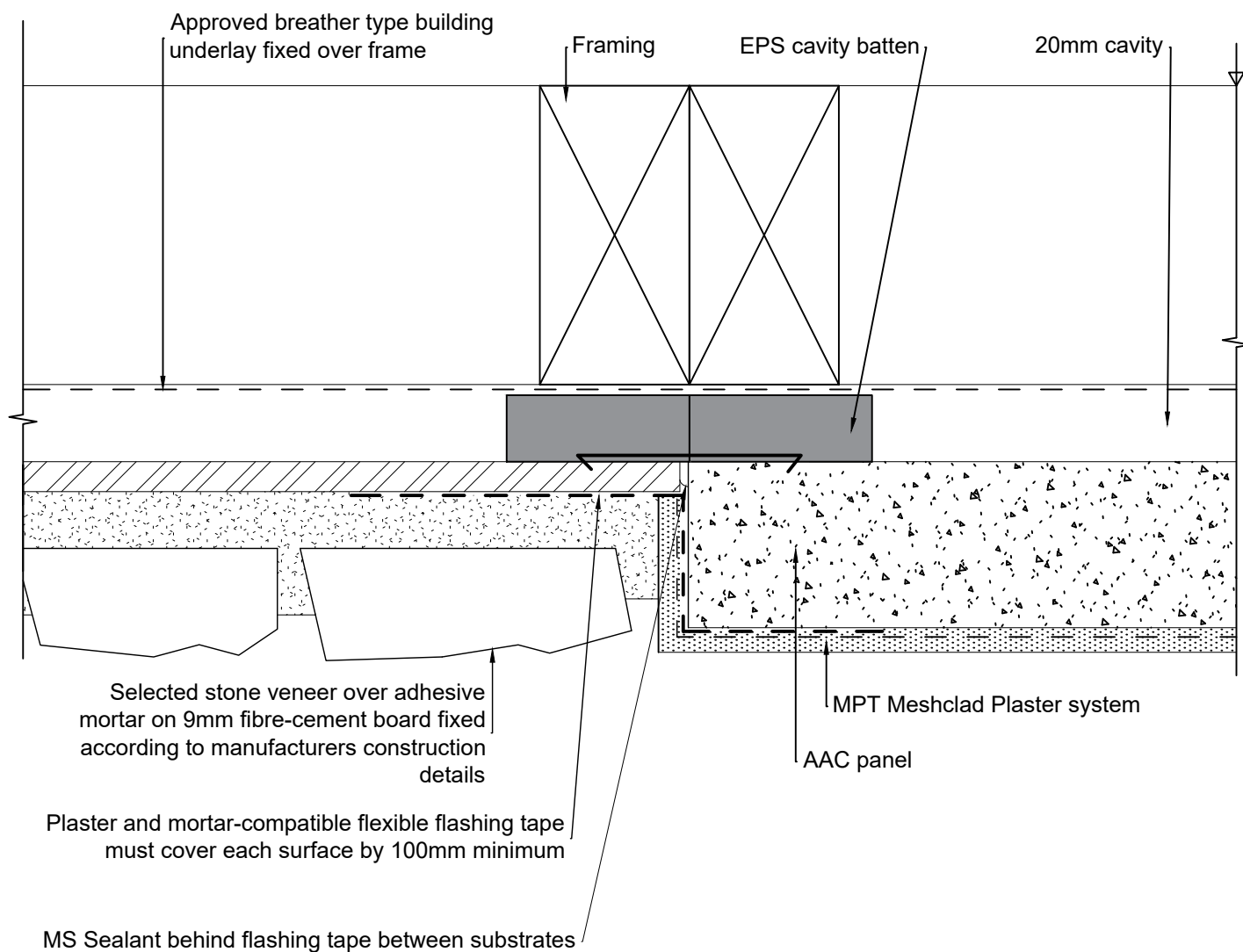
Date: June 2021

Scale: 1 : 2 @ A4

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## MPT Petrapanel

Vertical Expansion Joint to Stone Veneer

AAC 50 or 75 mm Panel

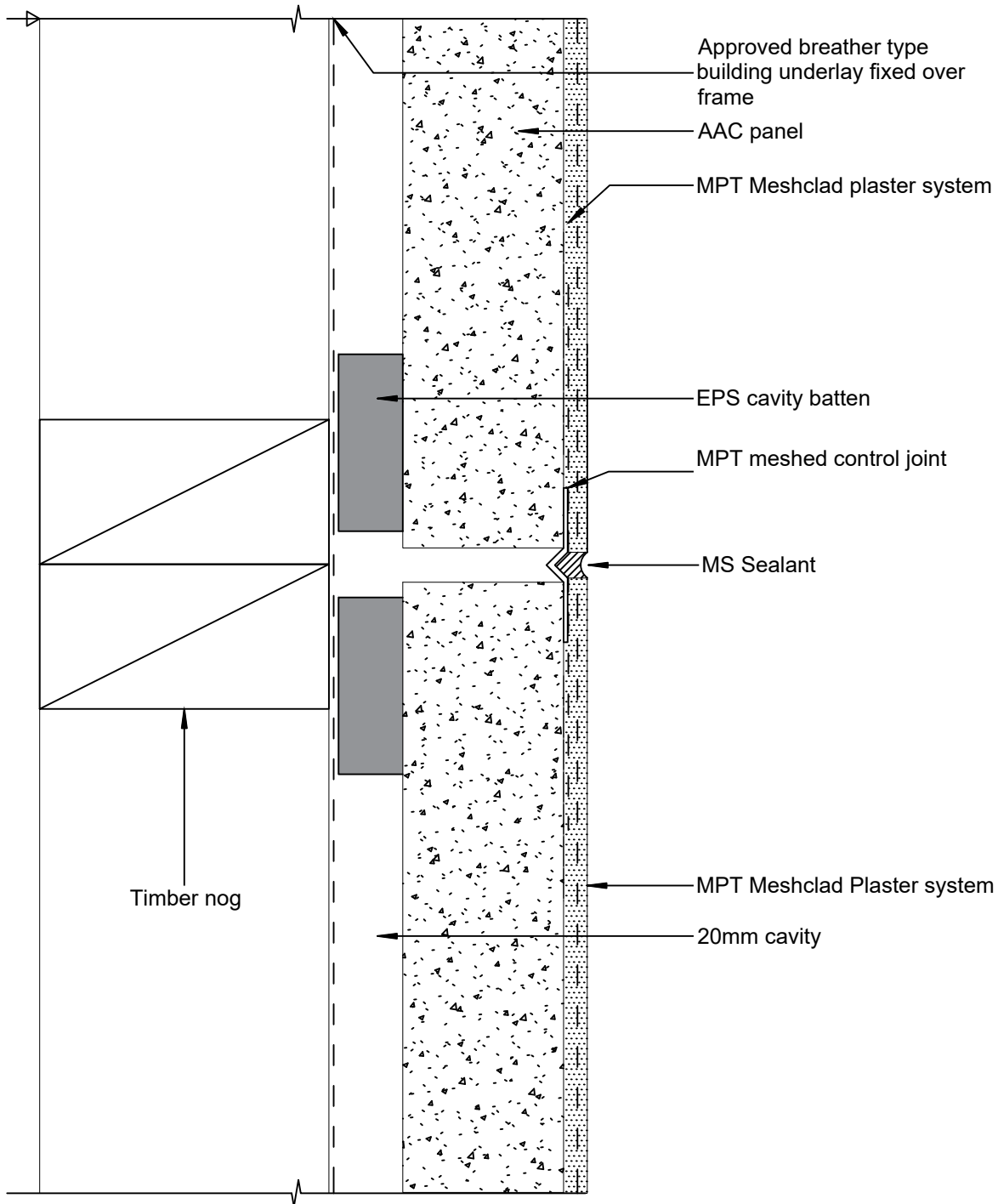
Reference: A\_H005

Date: June 2021

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Revision: 4

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## MPT Petrapanel Joint - Horizontal Expansion Joint

AAC 50 or 75 mm Panel

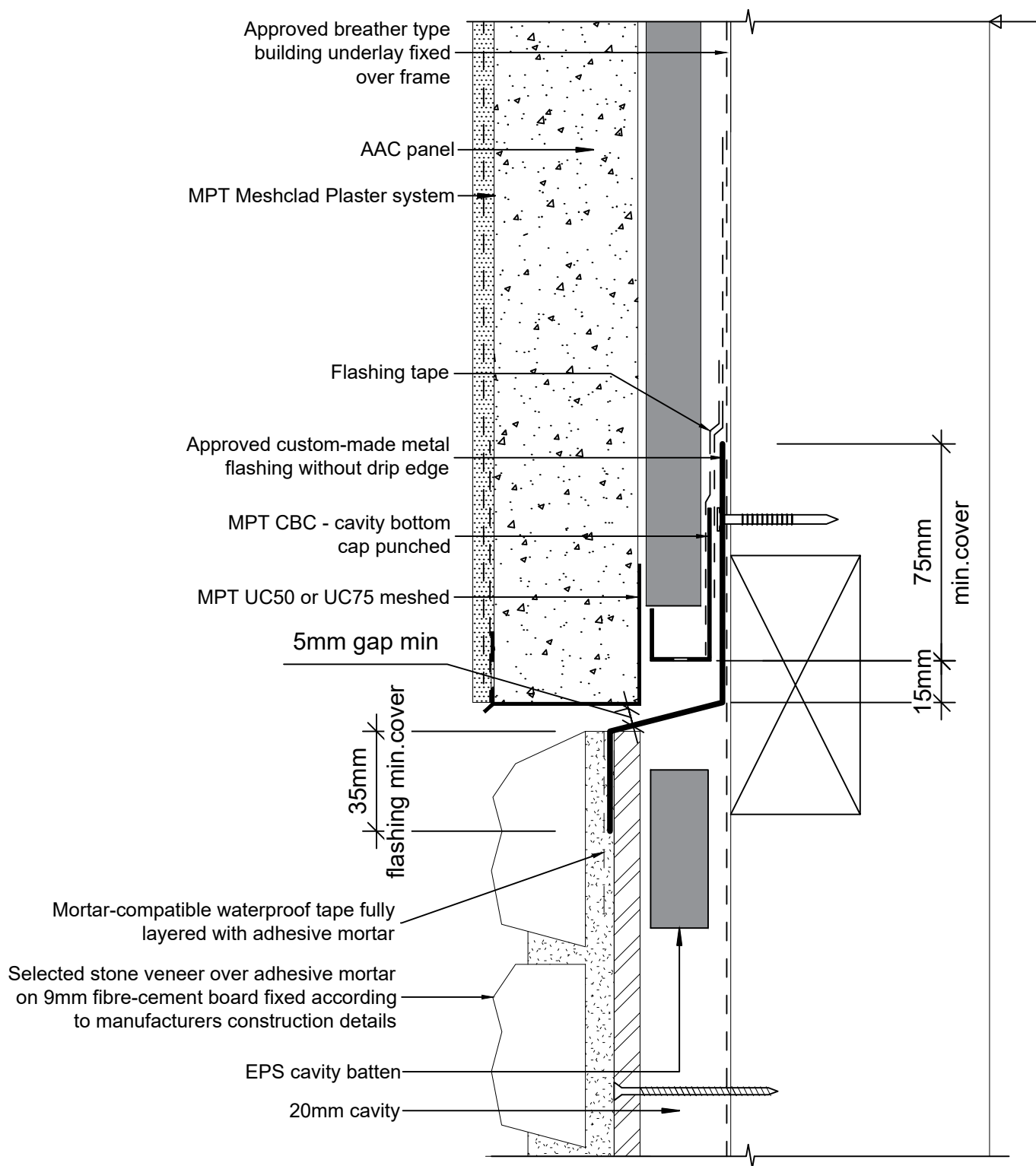
Reference: A\_J001

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## MPT Petrapanel

Joint - Horizontal Joint to Stone Veneer

AAC 50 or 75 mm Panel

Reference: A\_J002

Date: June 2021

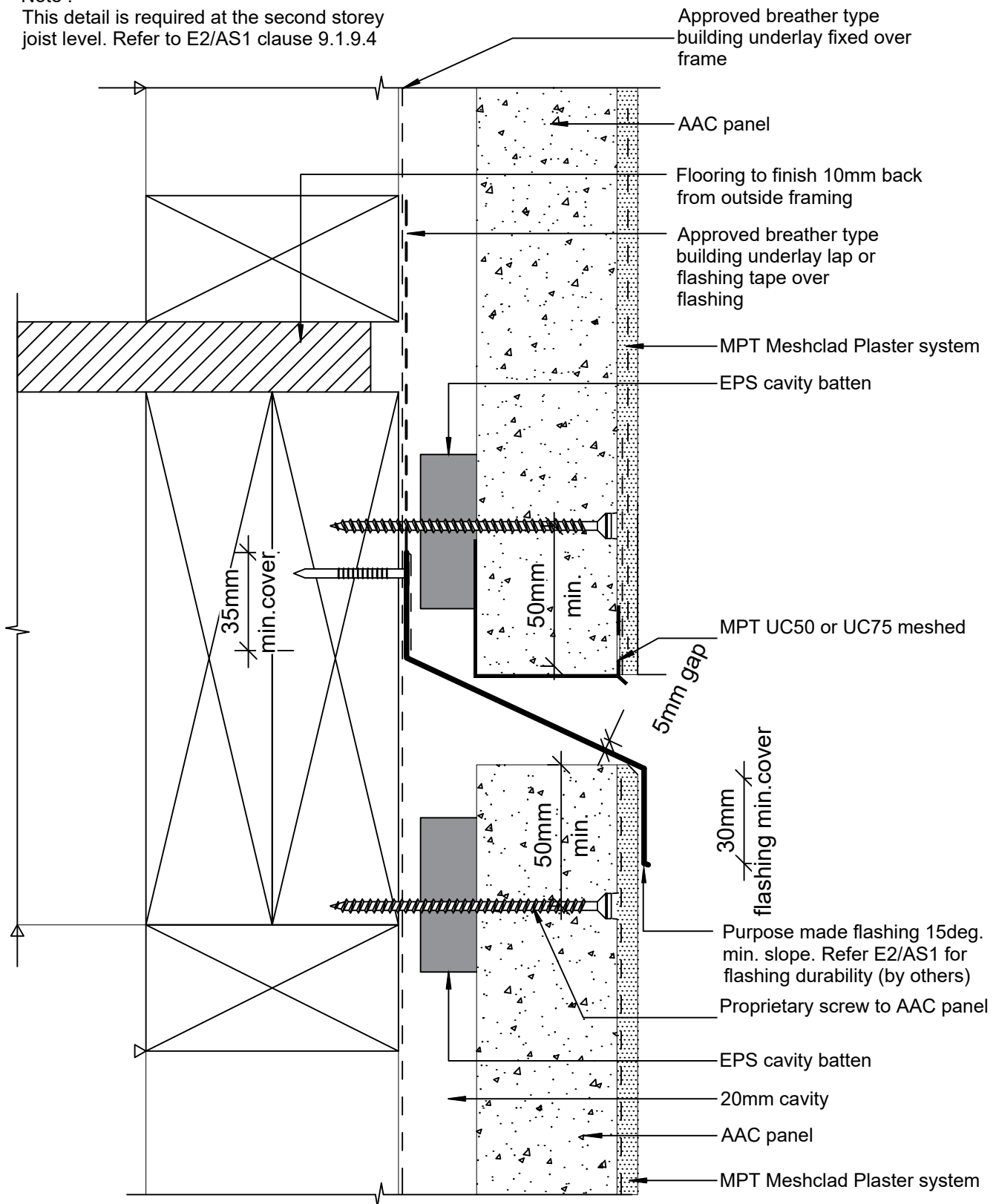
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**Note :**

This detail is required at the second storey joist level. Refer to E2/AS1 clause 9.1.9.4



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## MPT Petrapanel

Joint - Inter-storey Drained Cavity 2 Storeys or Greater

AAC 50 or 75 mm Panel

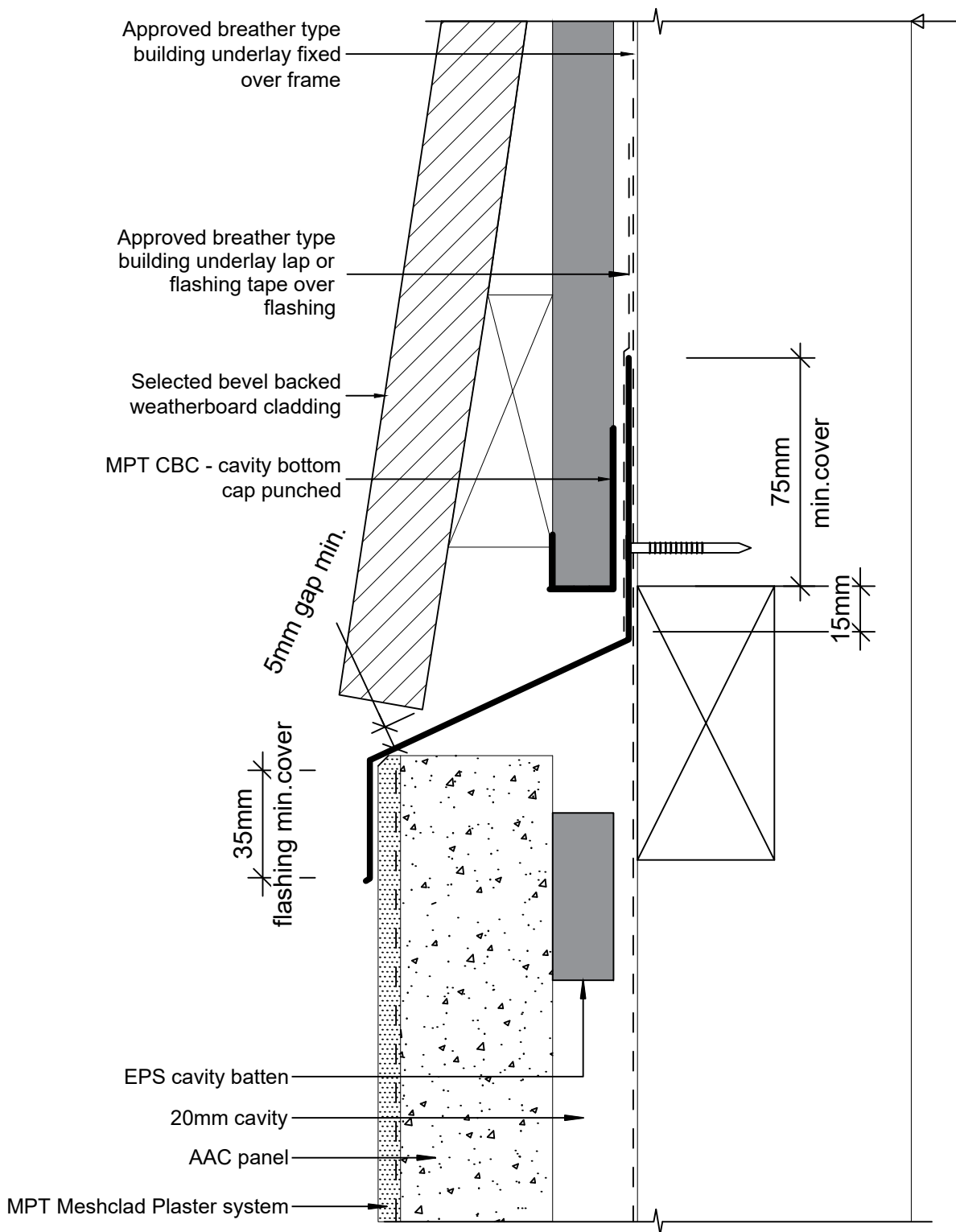
Reference: A\_J003

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## MPT Petrapanel

Joint - Horizontal Joint with Weatherboard

AAC 50 or 75 mm Panel

Reference: A\_J004

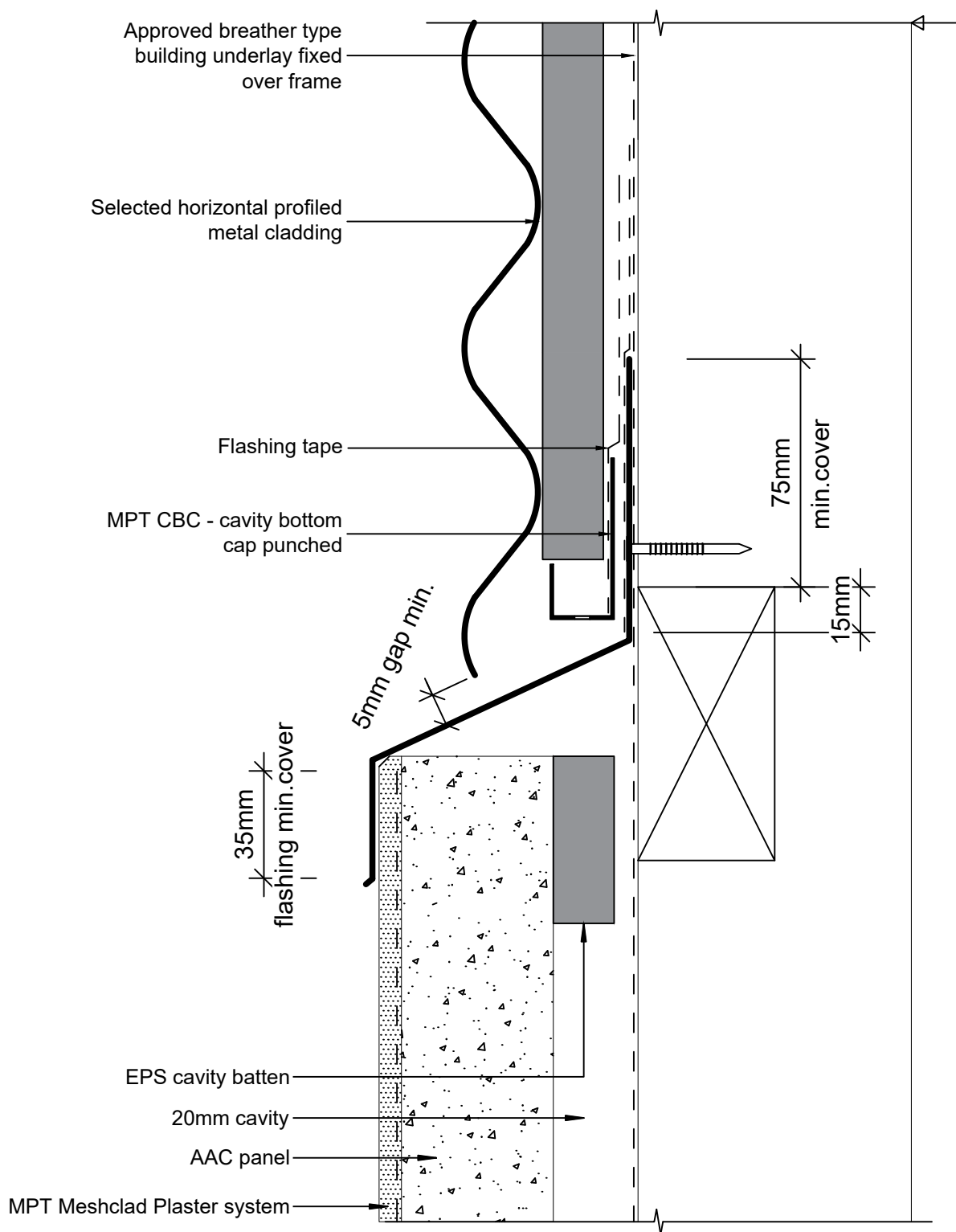
Date: June 2021

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## MPT Petrapanel

### Joint - Horizontal Joint with Metal Profile

AAC 50 or 75 mm Panel

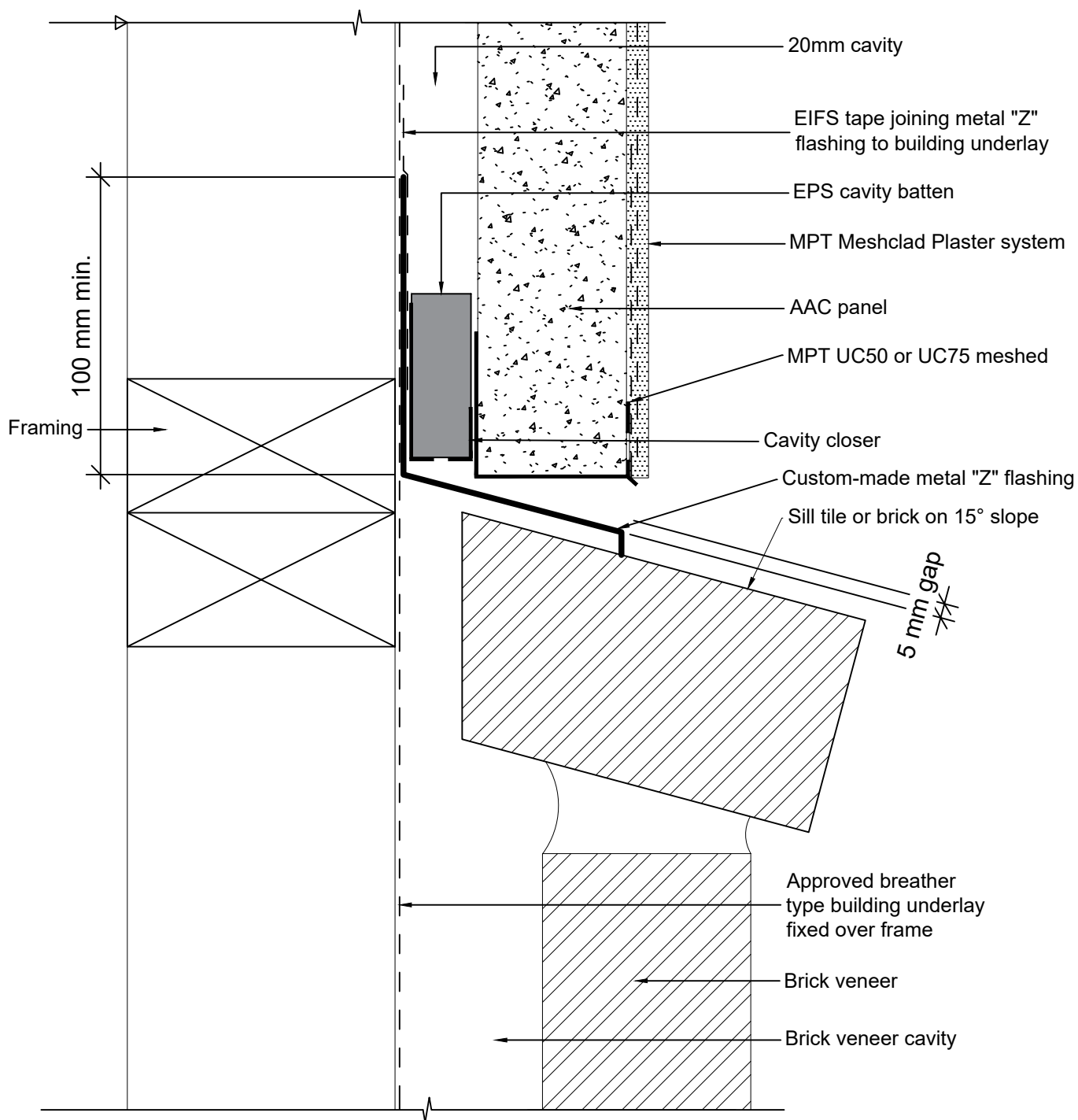
Reference: A\_J005

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## MPT Petrapanel Junction - AAC to Brick Junction

AAC 50 or 75 mm Panel

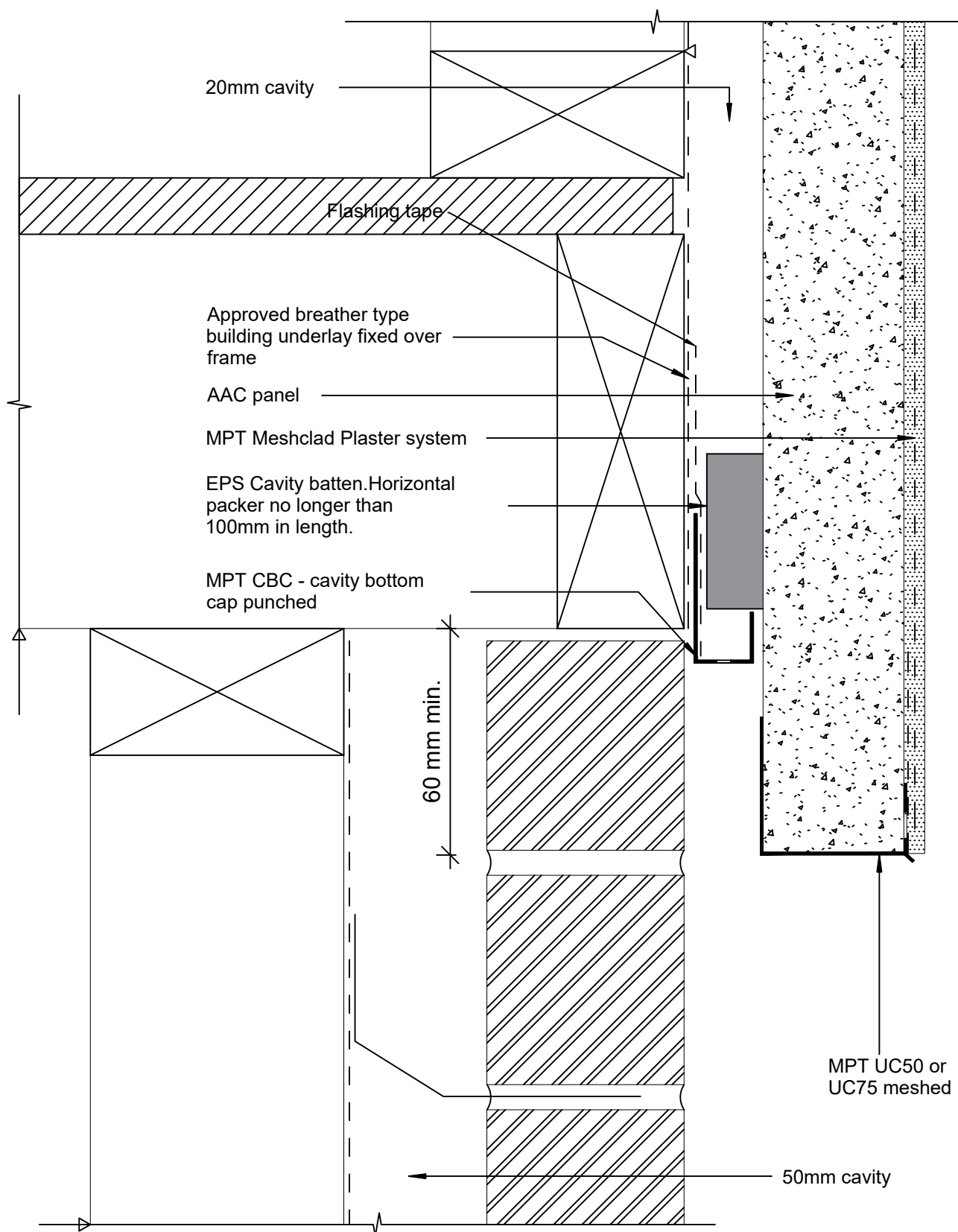
Reference: A\_J006

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 3

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## MPT Petrapanel

Meshclad Overlap to Masonry/Brick

AAC 50 or 75 mm Panel

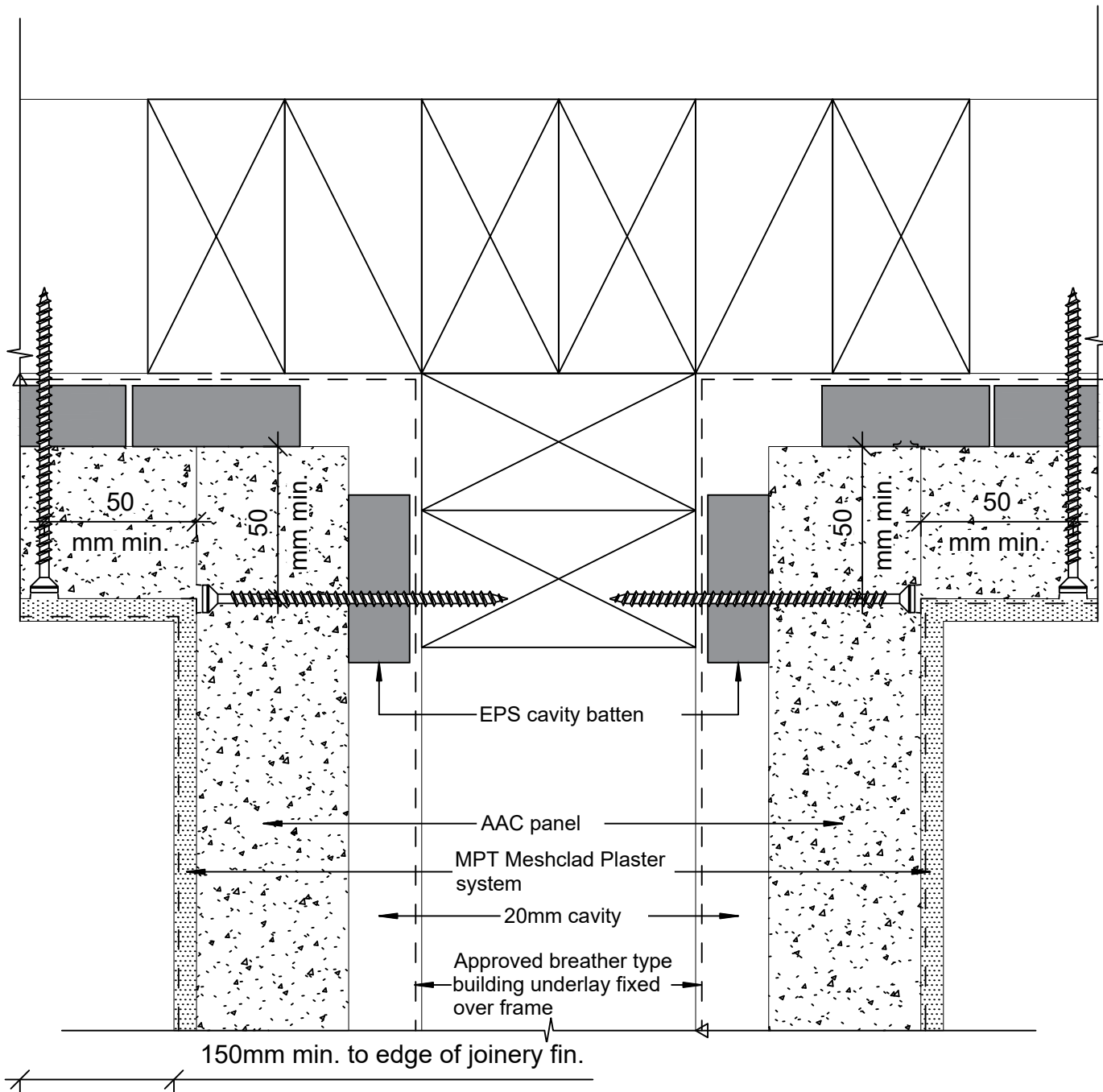
Reference: A\_J007

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 4

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## MPT Petrapanel

Enclosed Deck Balustrade to Wall Junction

AAC 50 or 75 mm Panel

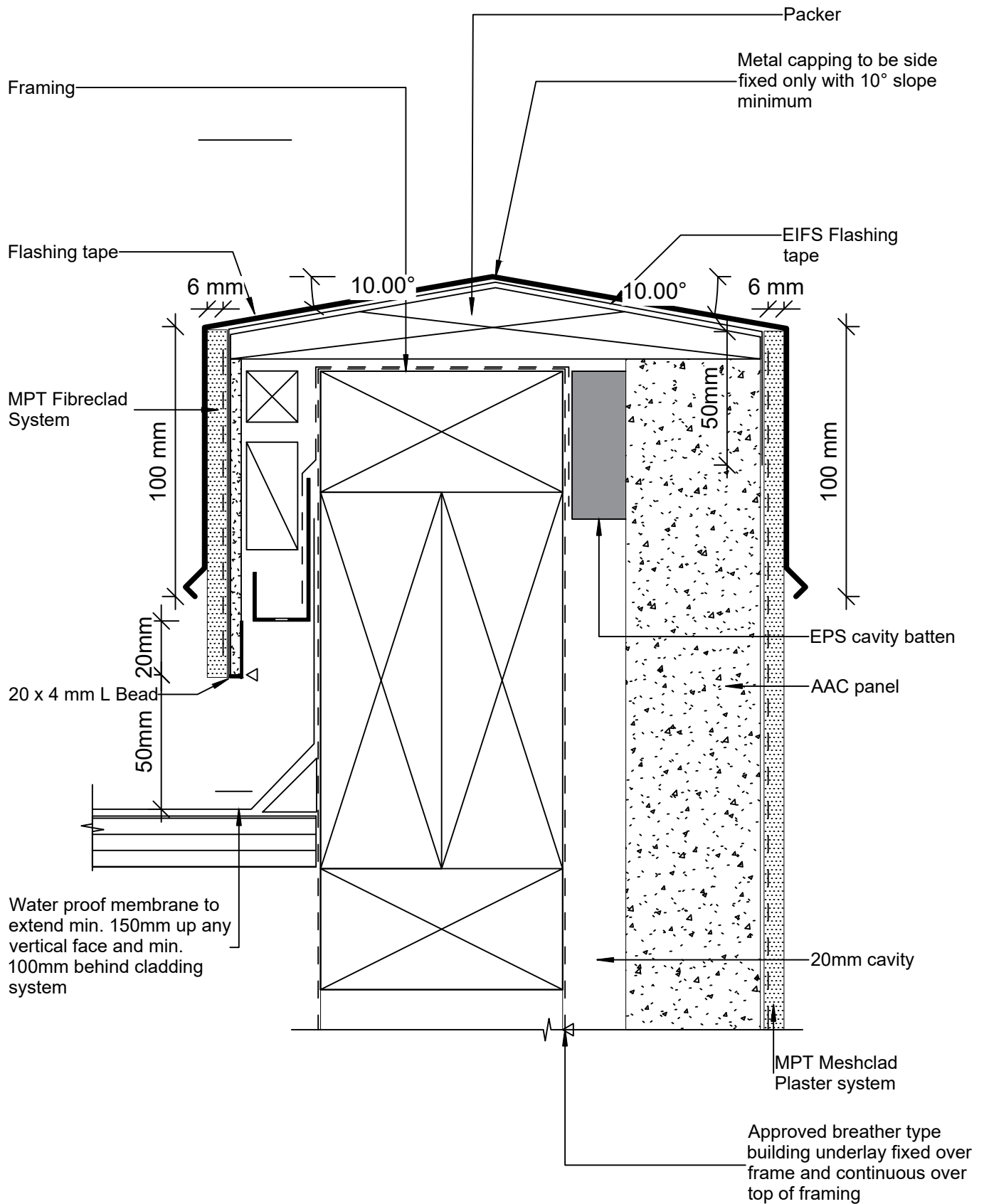
Reference: A\_K001

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 4

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## MPT Petrapanel Non Maintainable Parapet Flashing Detail

AAC 50 or 75 mm Panel

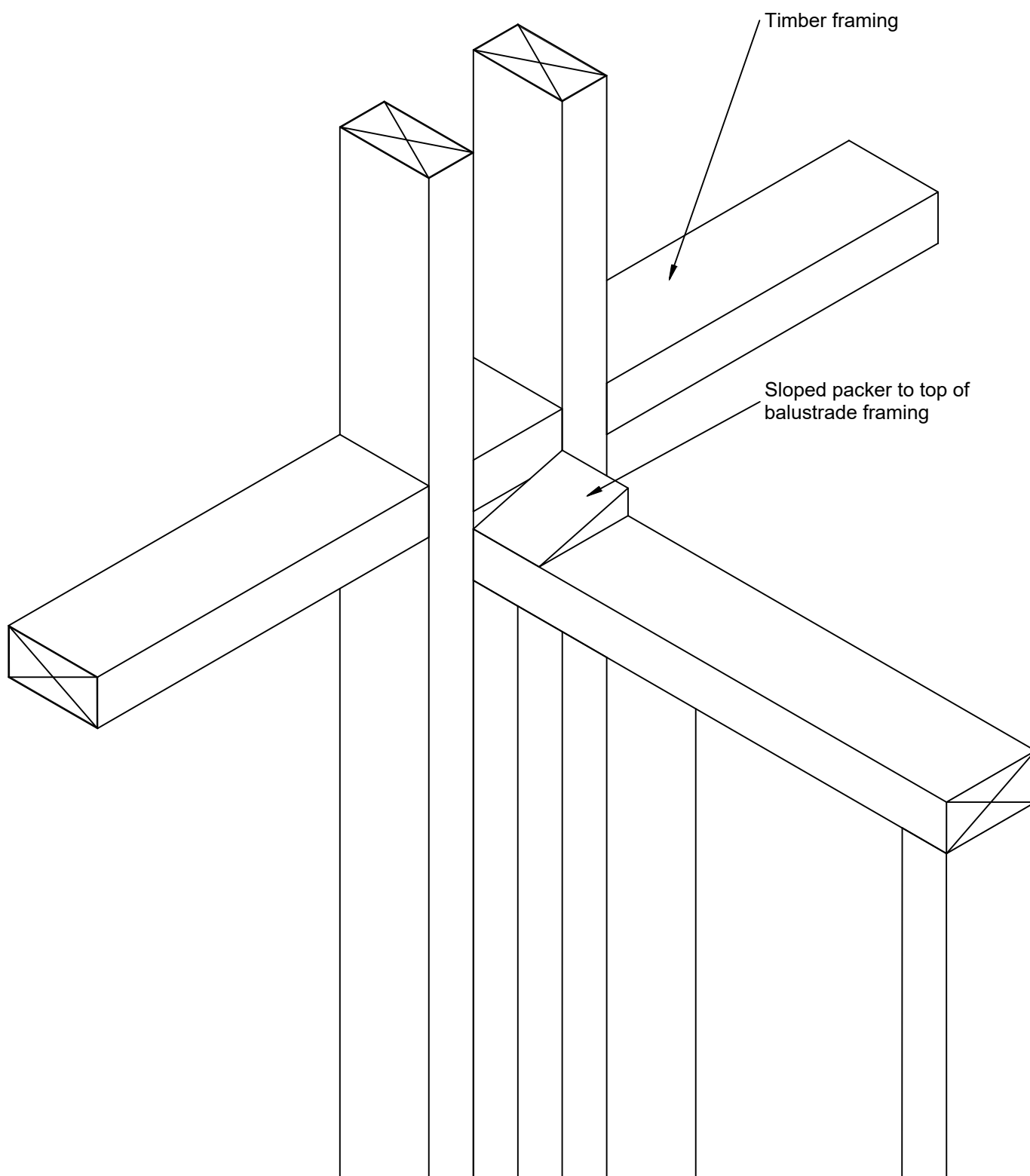
Reference: A\_K002

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 3

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## MPT Petrapanel

Junction - Parapet Balustrade Wall Timber Framing

AAC 50 or 75 mm Panel

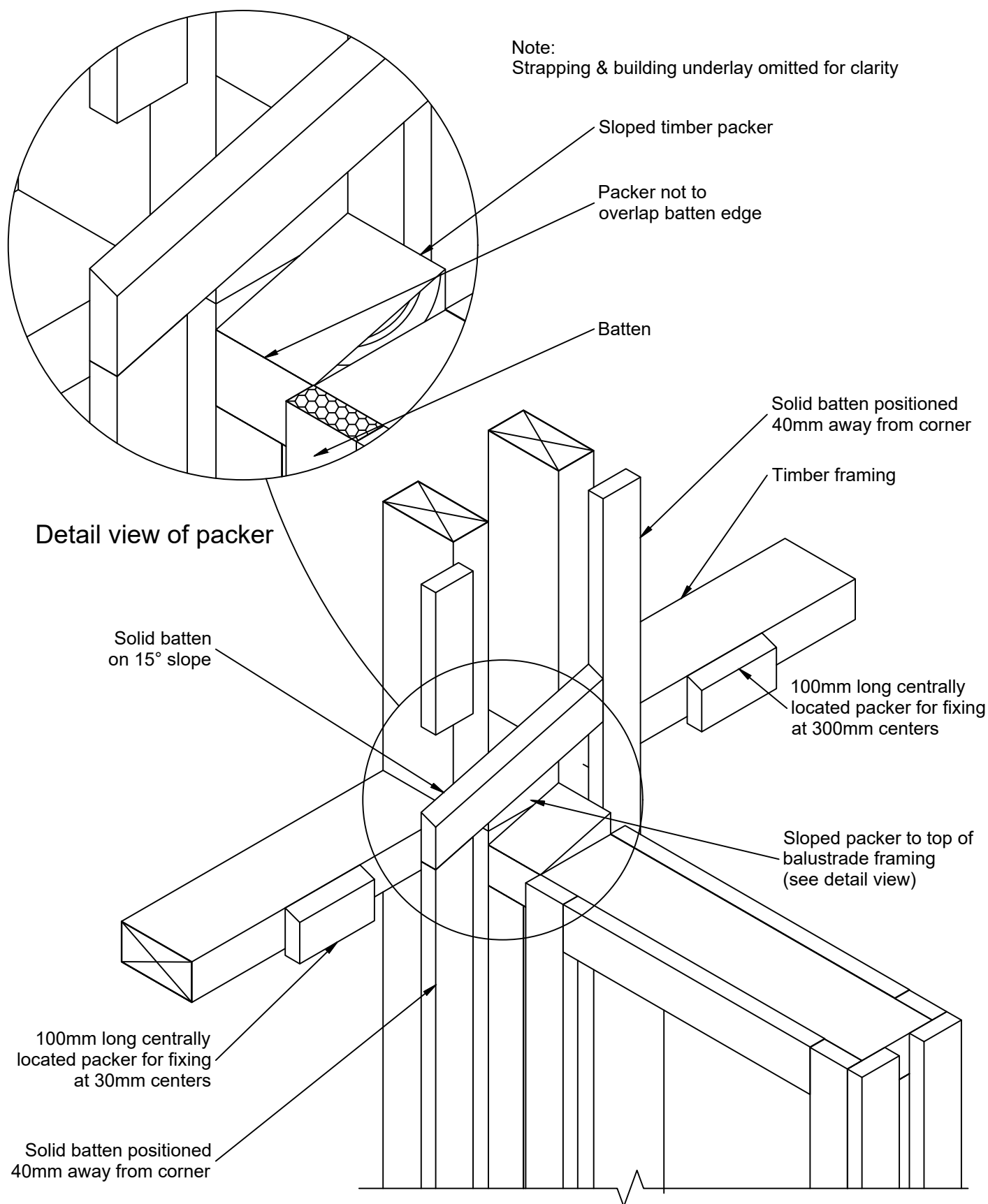
Reference: A\_K003

Date: January 2020

Scale: 1 : 5 @ A4

Revision: 2

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## MPT Petrapanel

Junction - Parapet Balustrade Wall Batten Layout

AAC 50 or 75 mm Panel

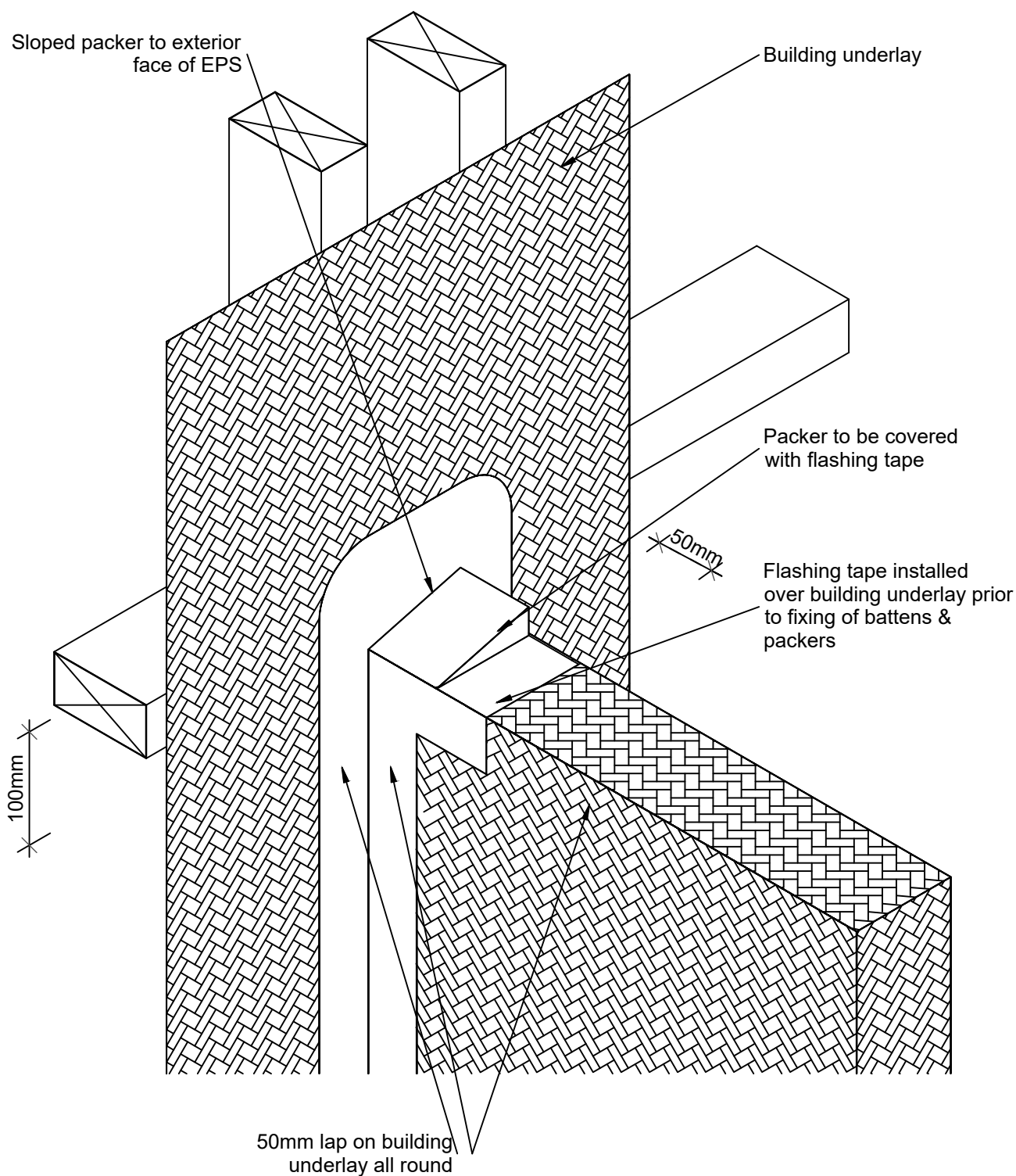
Reference: A\_K004

Date: January 2020

Scale: 1 : 5 @ A4

Revision: 2

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## MPT Petrapanel

Junction - Parapet Balustrade Wall Primary Flashing

AAC 50 or 75 mm Panel

Reference: A\_K005

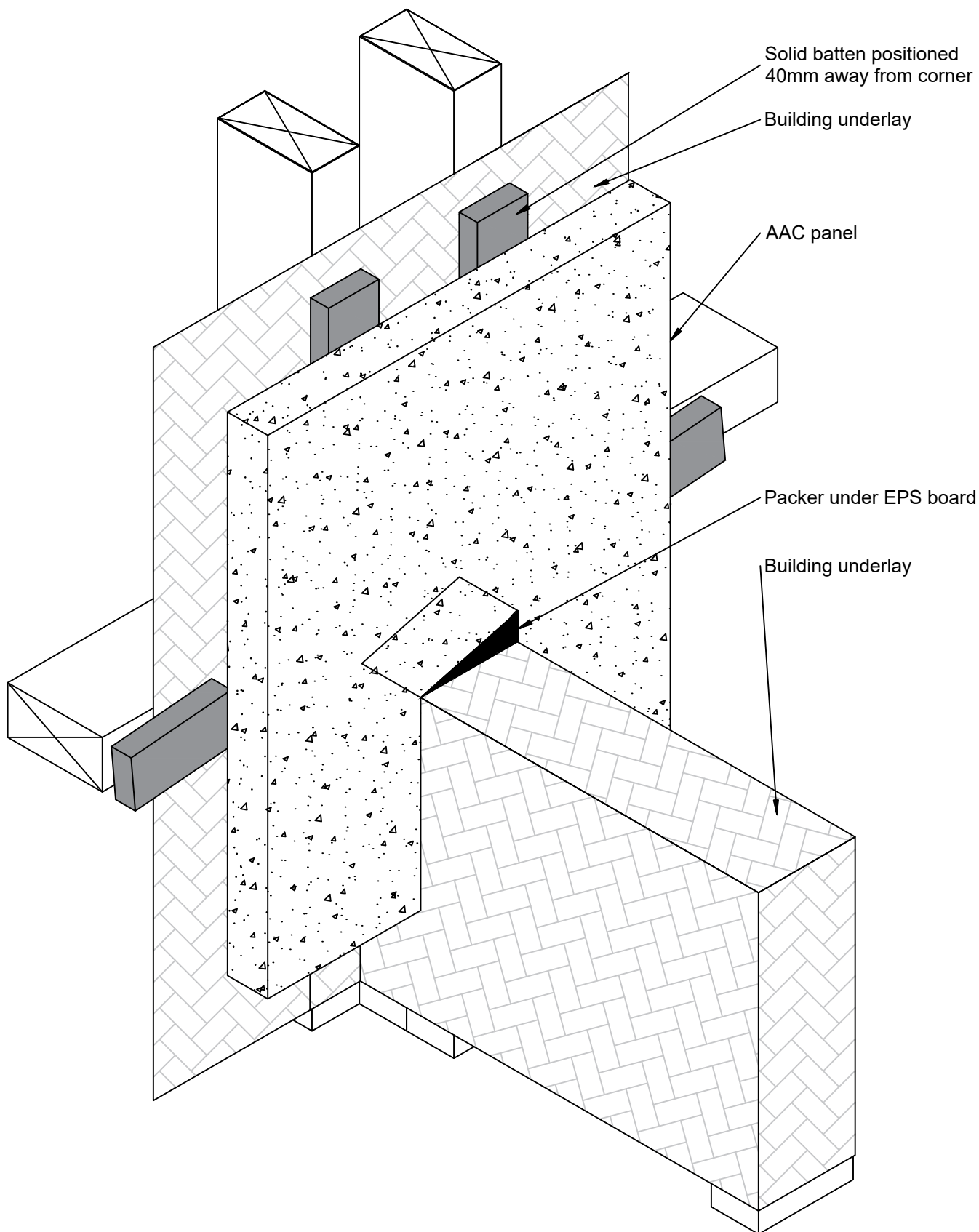
Date: June 2021

Scale: 1 : 5 @ A4

Revision: 4

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## MPT Petrapanel

Junction - Parapet Balustrade Wall Secondary Flashing

AAC 50 or 75 mm Panel

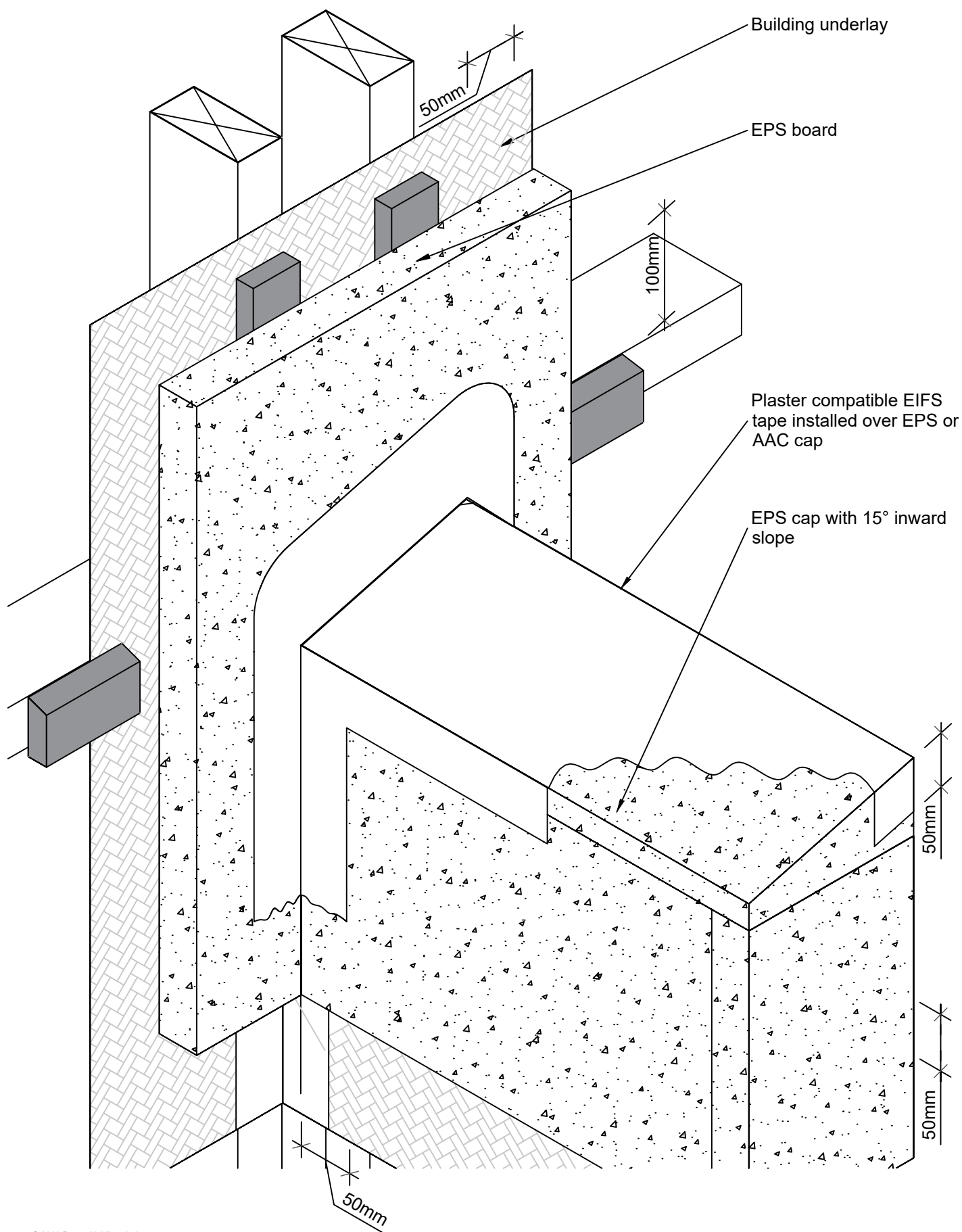
Reference: A\_K006

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## MPT Petrapanel

Junction - Parapet Balustrade Wall Secondary Flashing

AAC 50 or 75 mm Panel

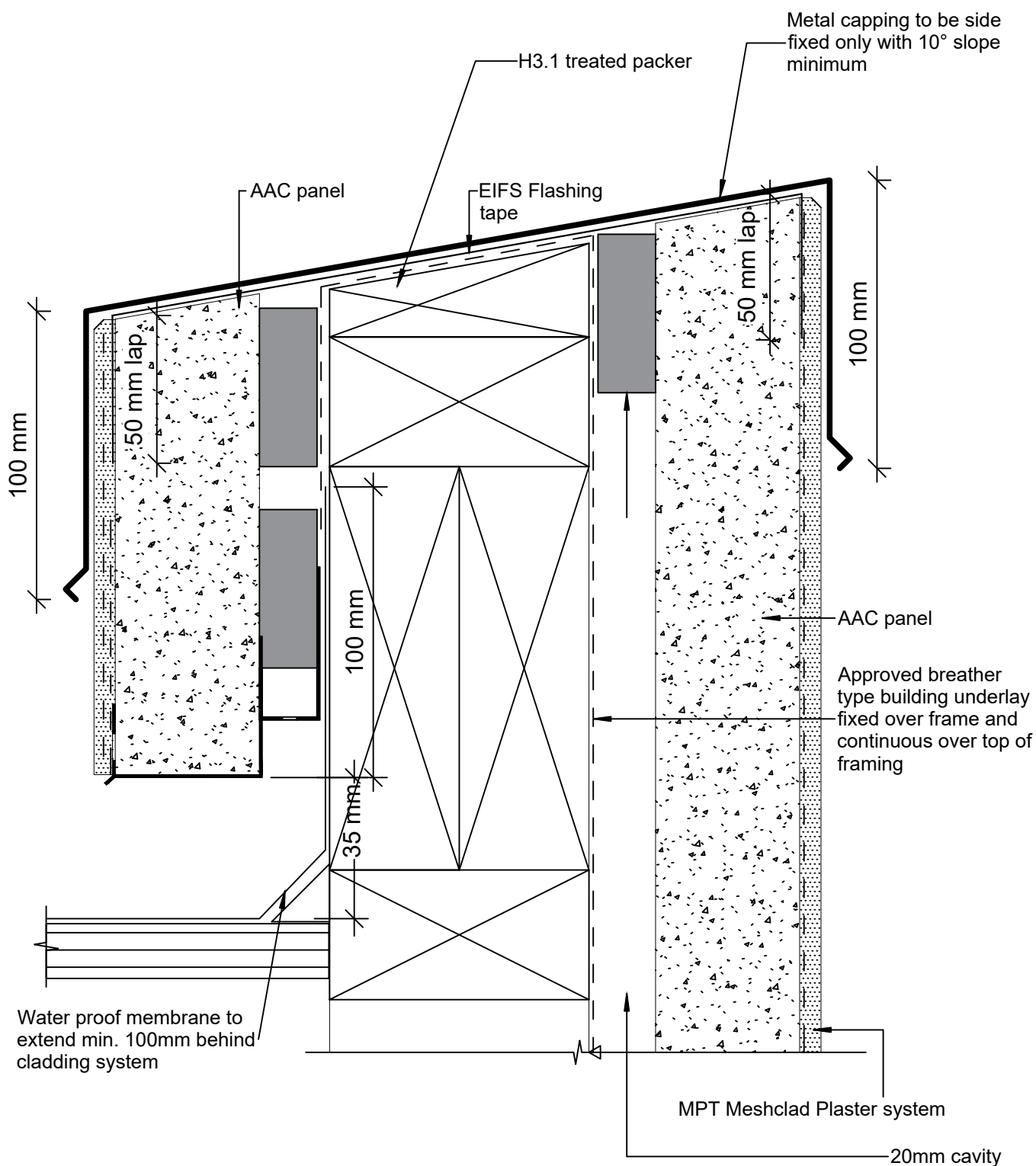
Reference: A\_K007

Date: June 2021

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## MPT Petrapanel

### Non-Maintainable Parapet Flashing Detail

AAC 50 or 75 mm Panel

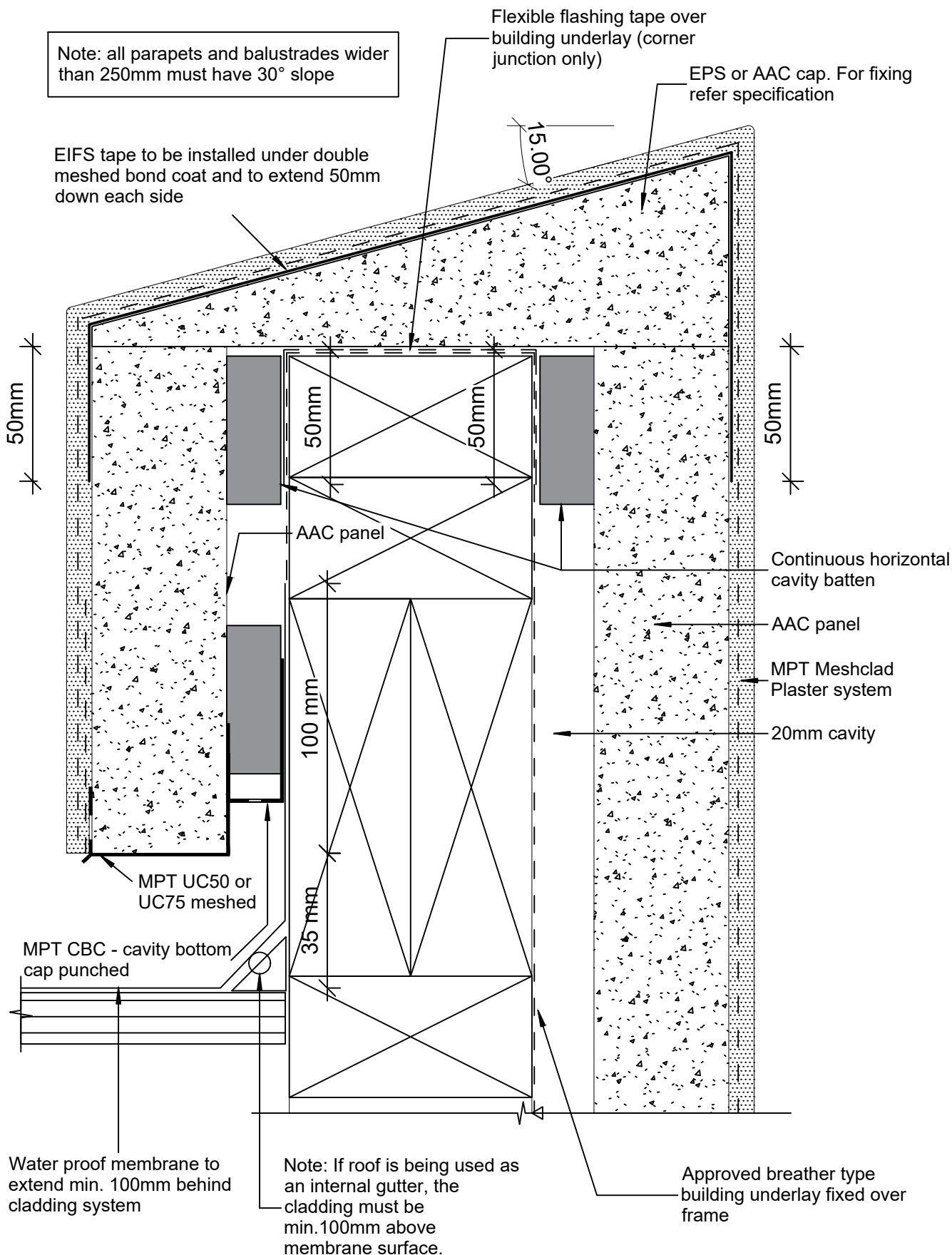
Reference: A\_K008

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## MPT Petrapanel

Plastered Capping - To (Maintainable) Parapets or  
Balustrades

AAC 50 or 75 mm Panel

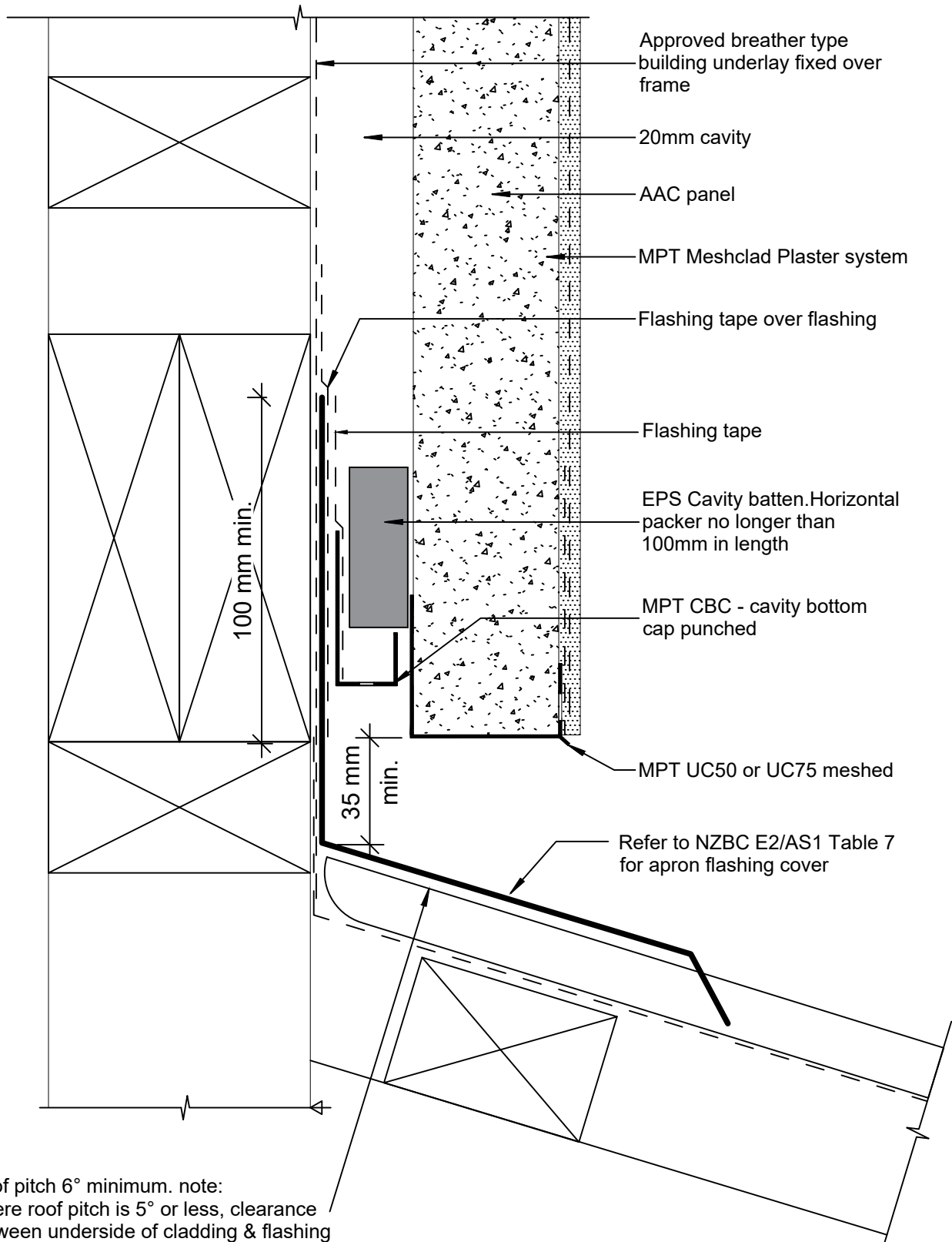
Reference: A\_K010

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Roof pitch 6° minimum. note:  
where roof pitch is 5° or less, clearance  
between underside of cladding & flashing  
must be 50mm minimum.

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## MPT Petrapanel

Roof Abutment Detail - Sloped Roof

AAC 50 or 75 mm Panel

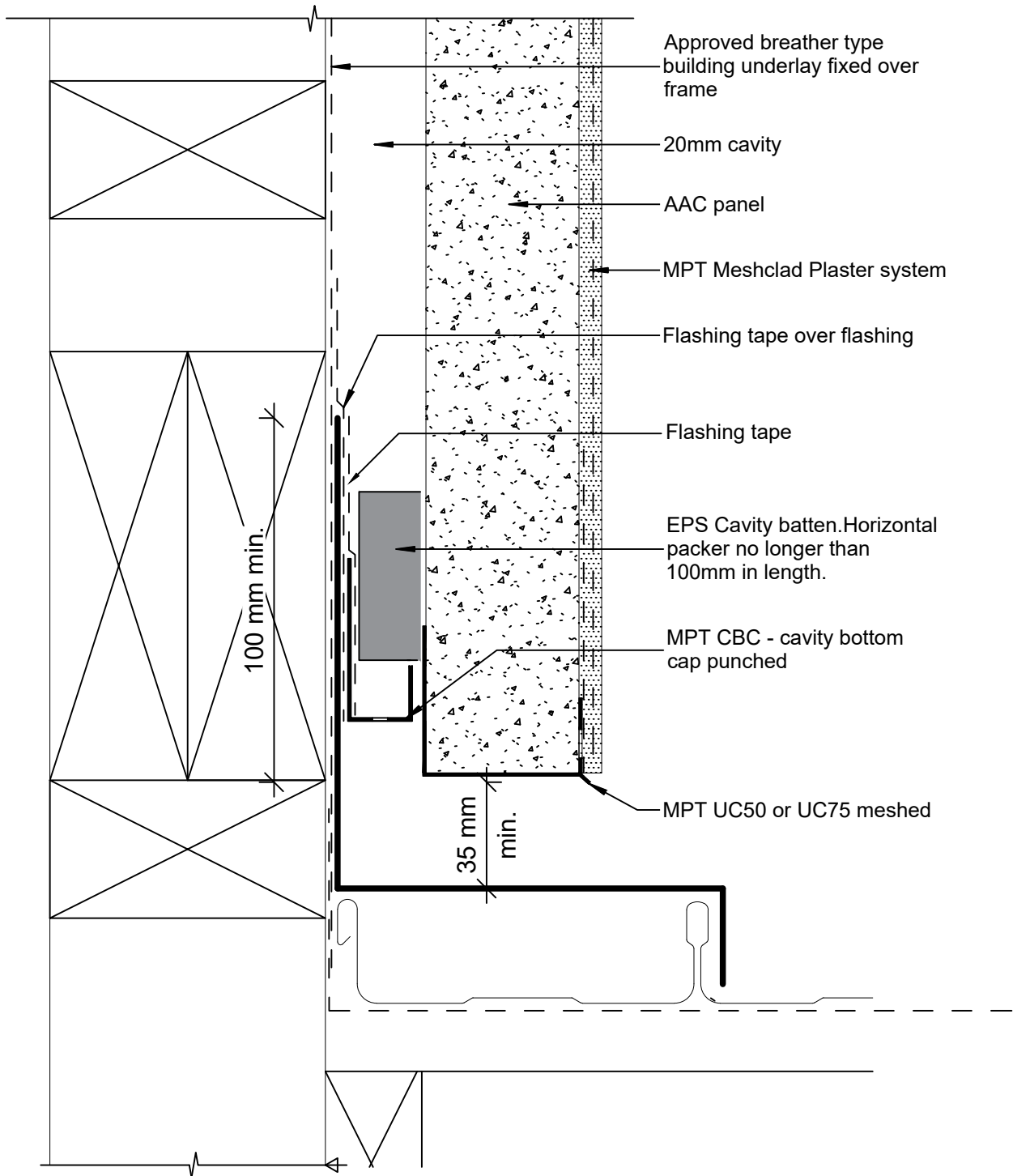
Reference: A\_L001

Date: June 2021

Scale: 1 : 2 @ A4

Revision: 3

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## MPT Petrapanel

### Roof Abutment Detail - Flat Roof

AAC 50 or 75 mm Panel

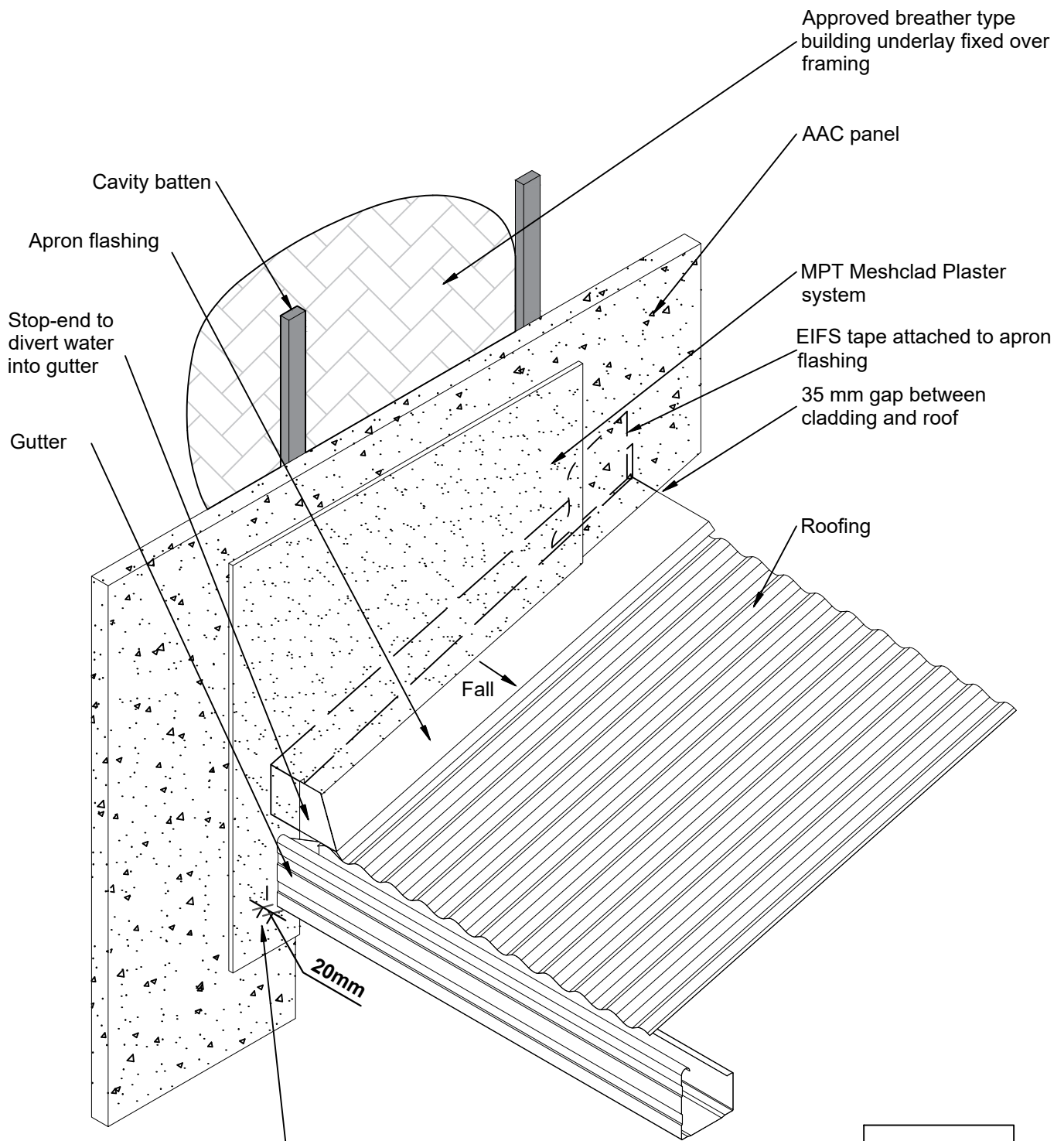
Reference: A\_L002

Date: June 2021

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Revision: 3

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Not to scale

Fascia to stop 10 mm clear of plaster finish. Provide 20 mm distance between the end of the gutter and the plaster surface. Fit transition tray in accordance with E2/AS1 fig 8B.

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## MPT Petrapanel

Junction - Stopend flashing - Roof to Wall

AAC 50 or 75 mm Panel

Reference: A\_L003

Date: June 2021

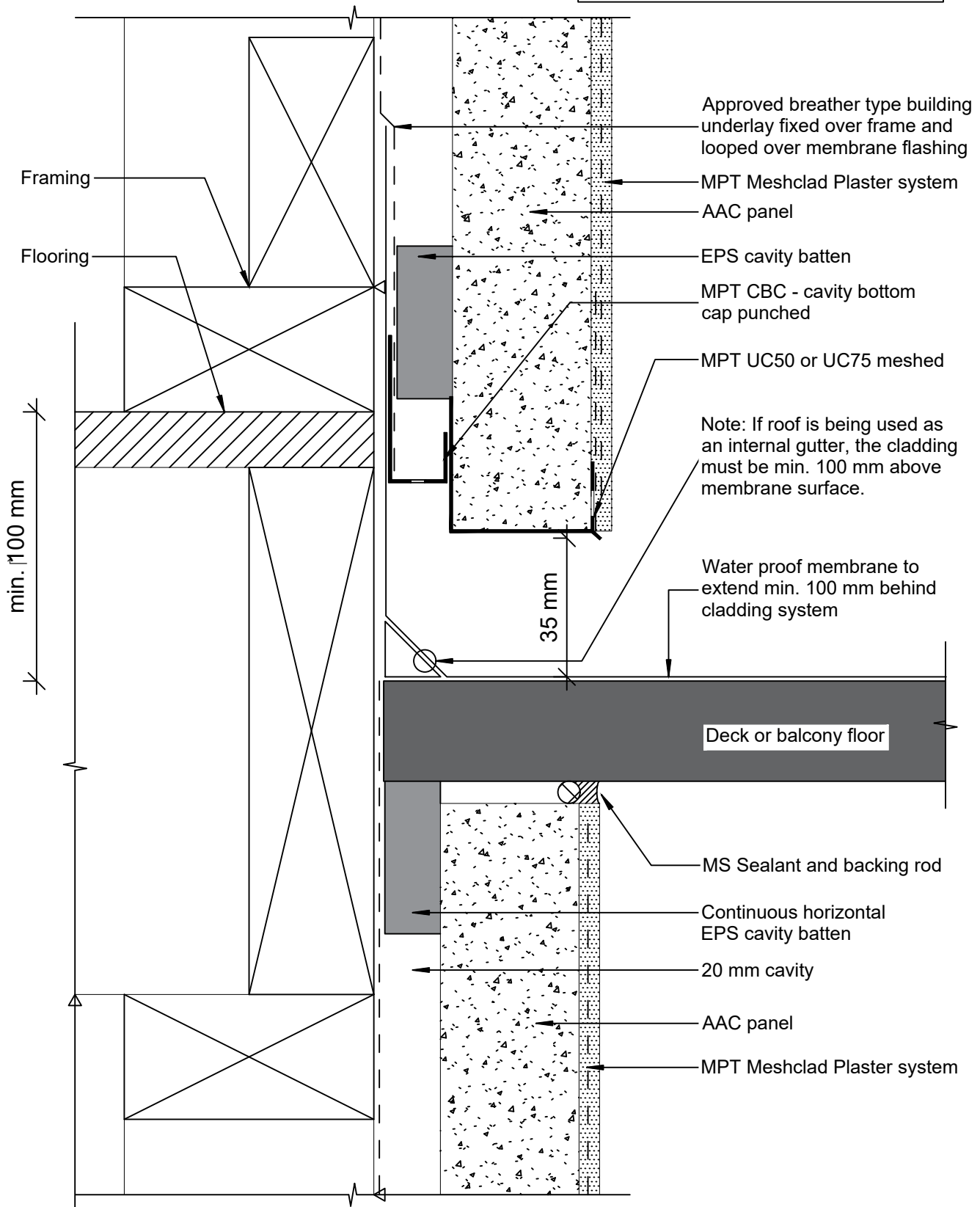
Scale: 1 : 10 @ A4

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Note:  
Flashings around cantilevered floor joists  
are the responsibility of the designer



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## MPT Petrapanel Deck - Cantilevered Joists Detail

AAC 50 or 75 mm Panel

Reference: A\_M001

Date: June 2021

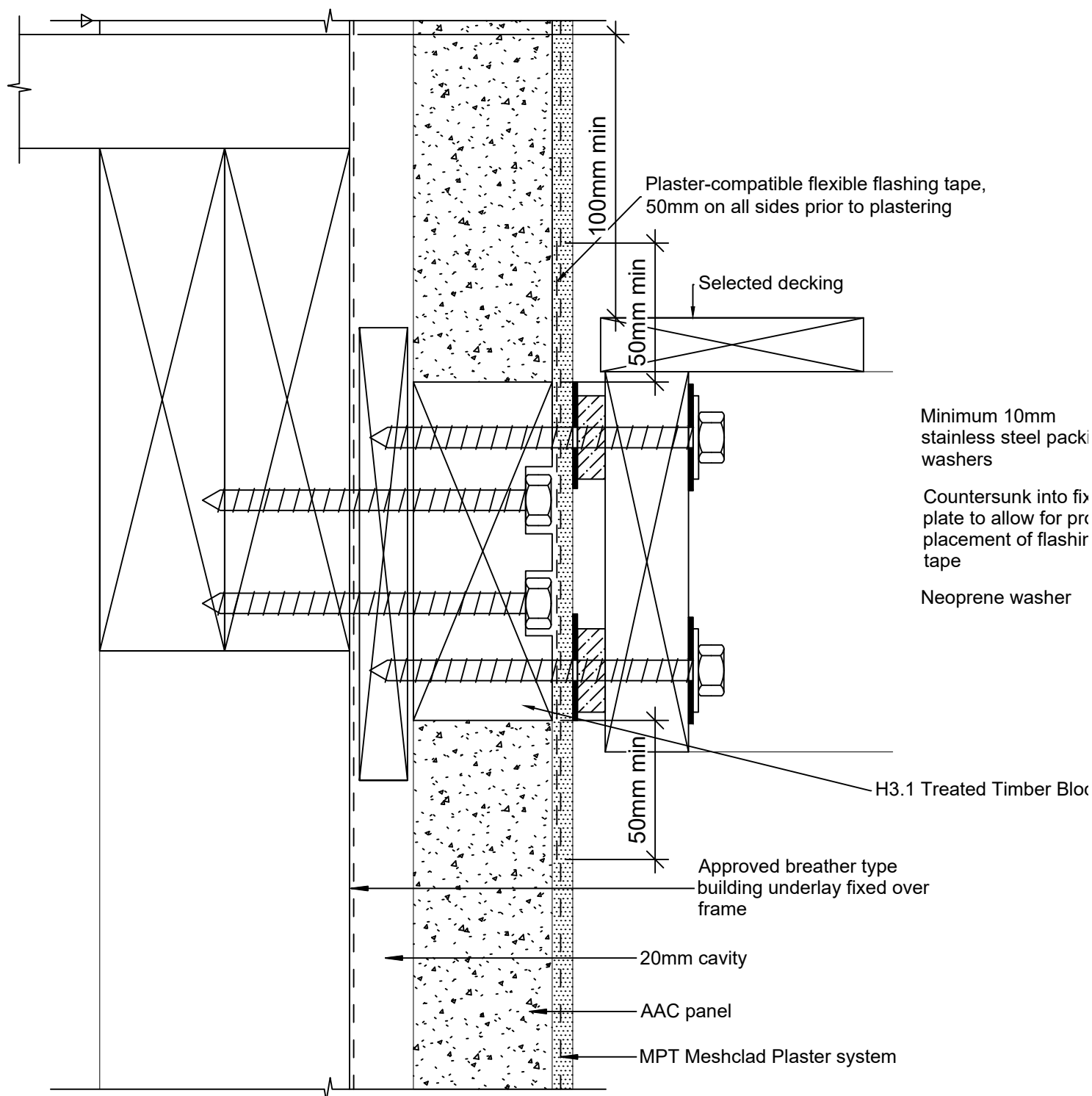
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## MPT Petrapanel

Deck - Cantilevered Deck Joist

AAC 50 or 75 mm Panel

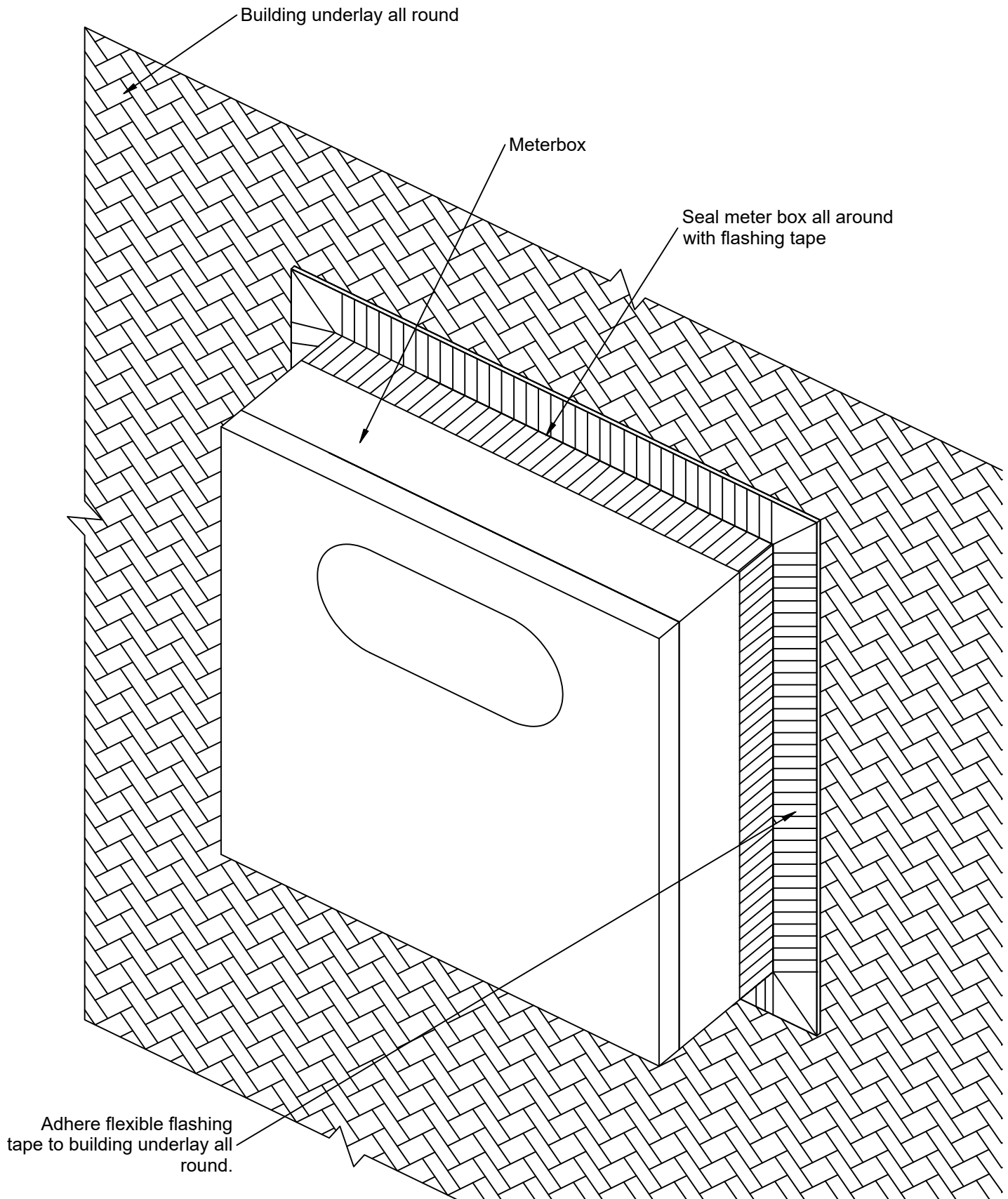
Reference: A\_M003

Date: June 2021

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## MPT Petrapanel

### Wall - Typical Meterbox Installation

AAC 50 or 75 mm Panel

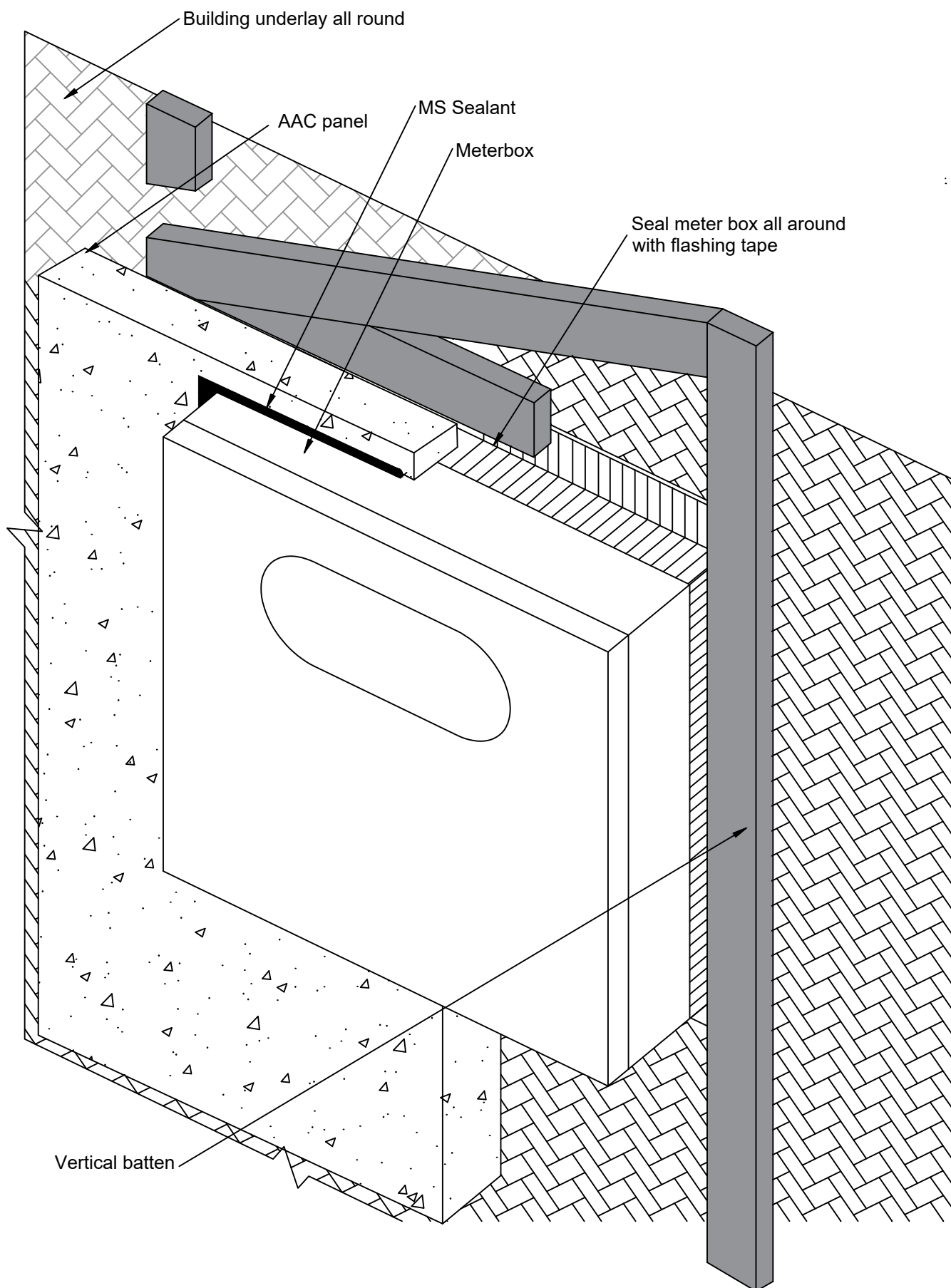
Reference: A\_N001

Date: June 2021

Scale: 1 : 5 @ A4

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## MPT Petrapanel Wall - Typical Meterbox Installation

AAC 50 or 75 mm Panel

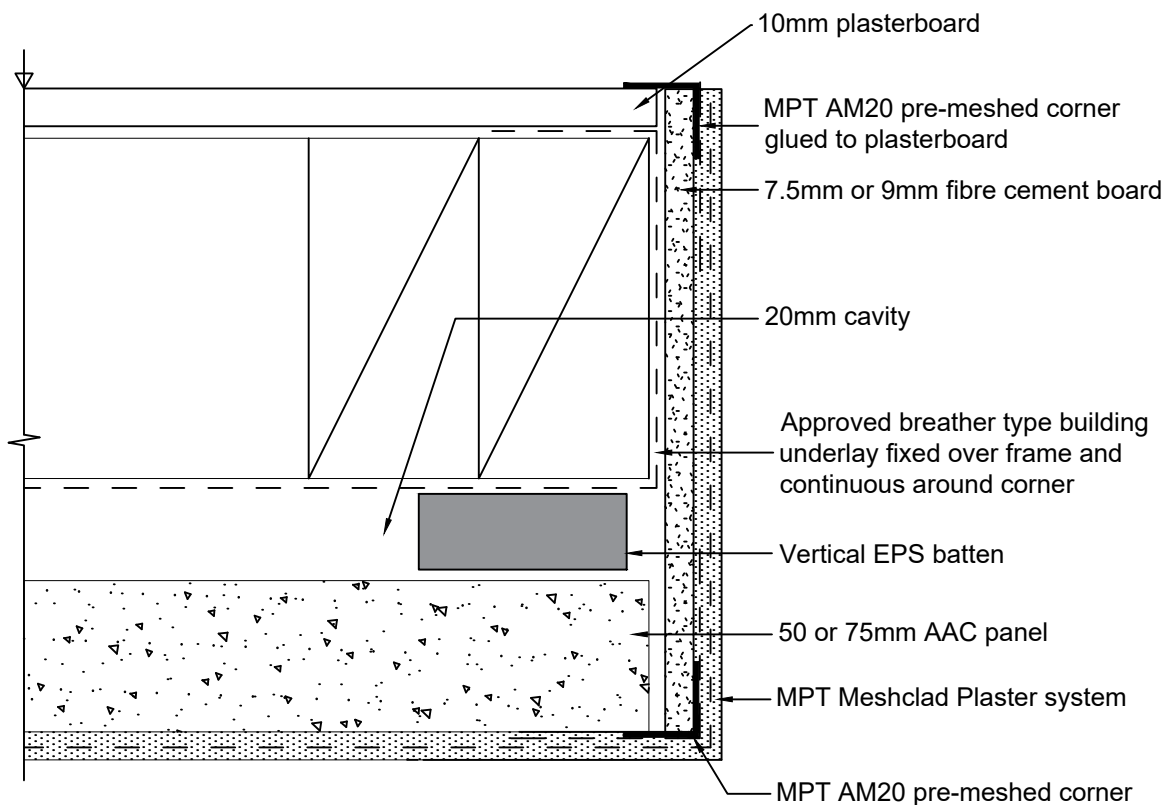
Reference: A\_N002

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## MPT Petrapanel

### Garage Door - Plastered Jamb

AAC 50 or 75 mm Panel

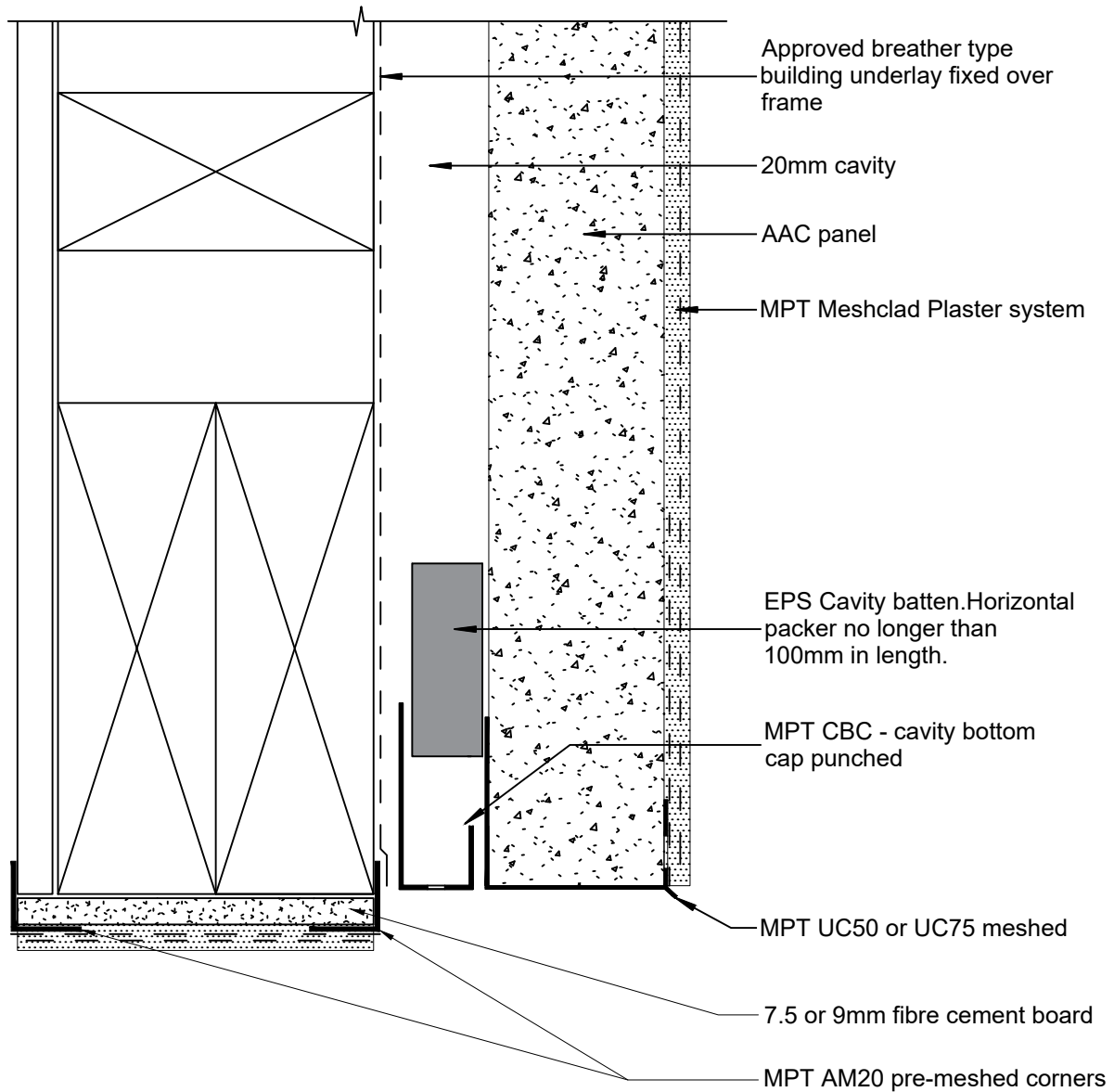
Reference: A\_N005

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## MPT Petrapanel Garage Door - Plastered Head

AAC 50 or 75 mm Panel

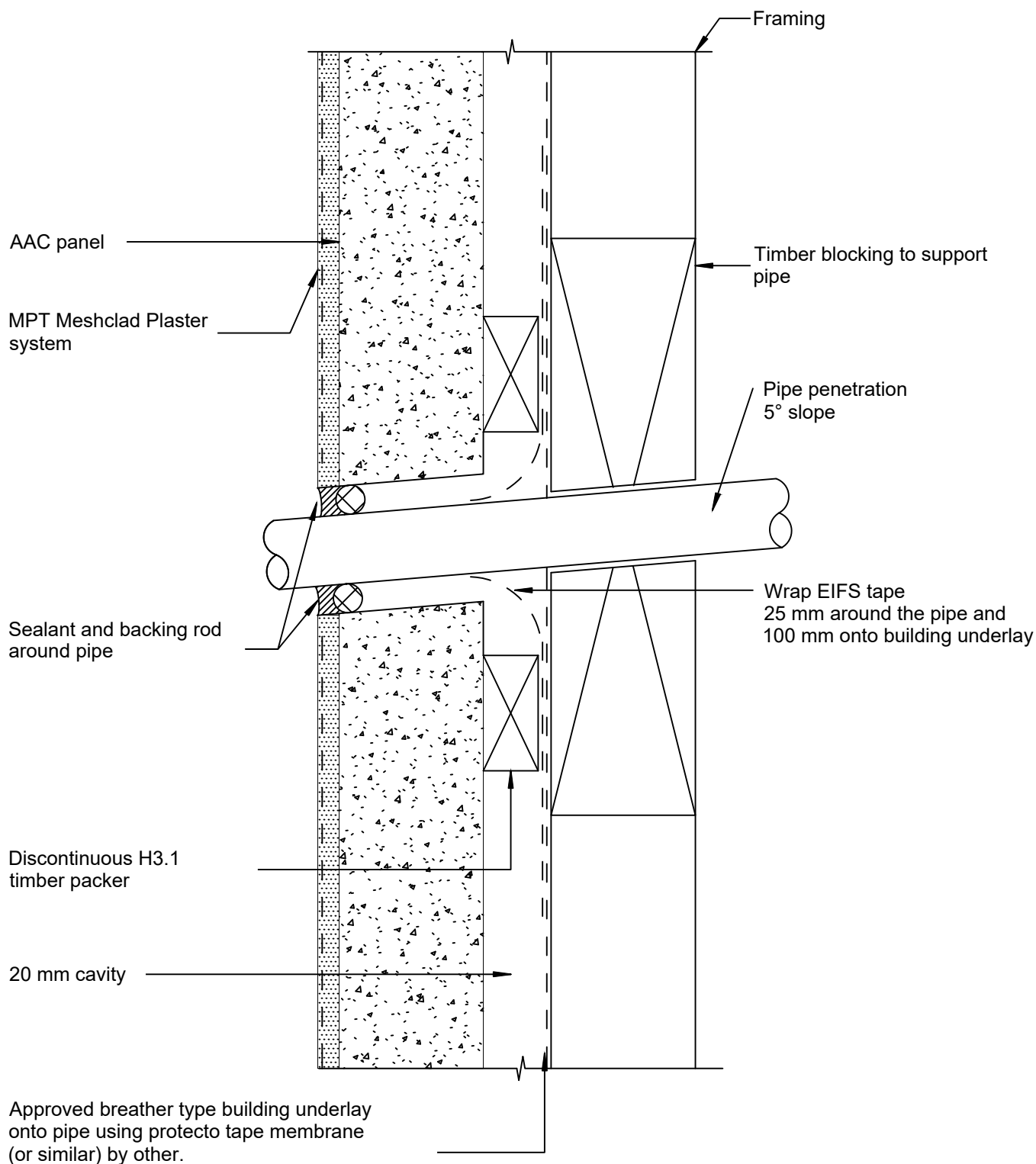
Reference: A\_N006

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## MPT Petrapanel Wall - Pipe Penetration

AAC 50 or 75 mm Panel

Reference: A\_P001

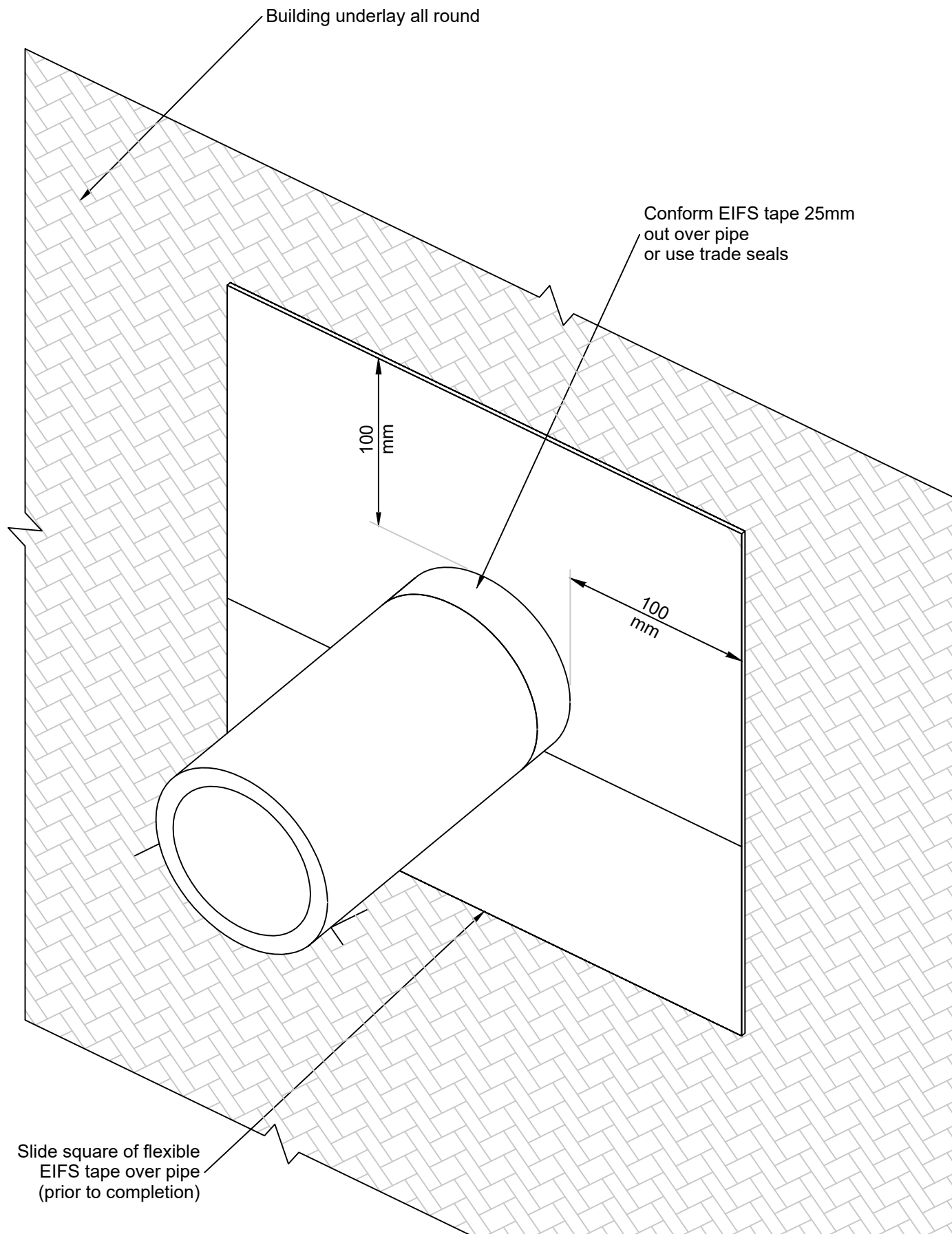
Date: June 2021

Scale: 1 : 2 @ A4

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## MPT Petrapanel

### Wall - Typical Pipe Penetration

AAC 50 or 75 mm Panel

Reference: A\_P002

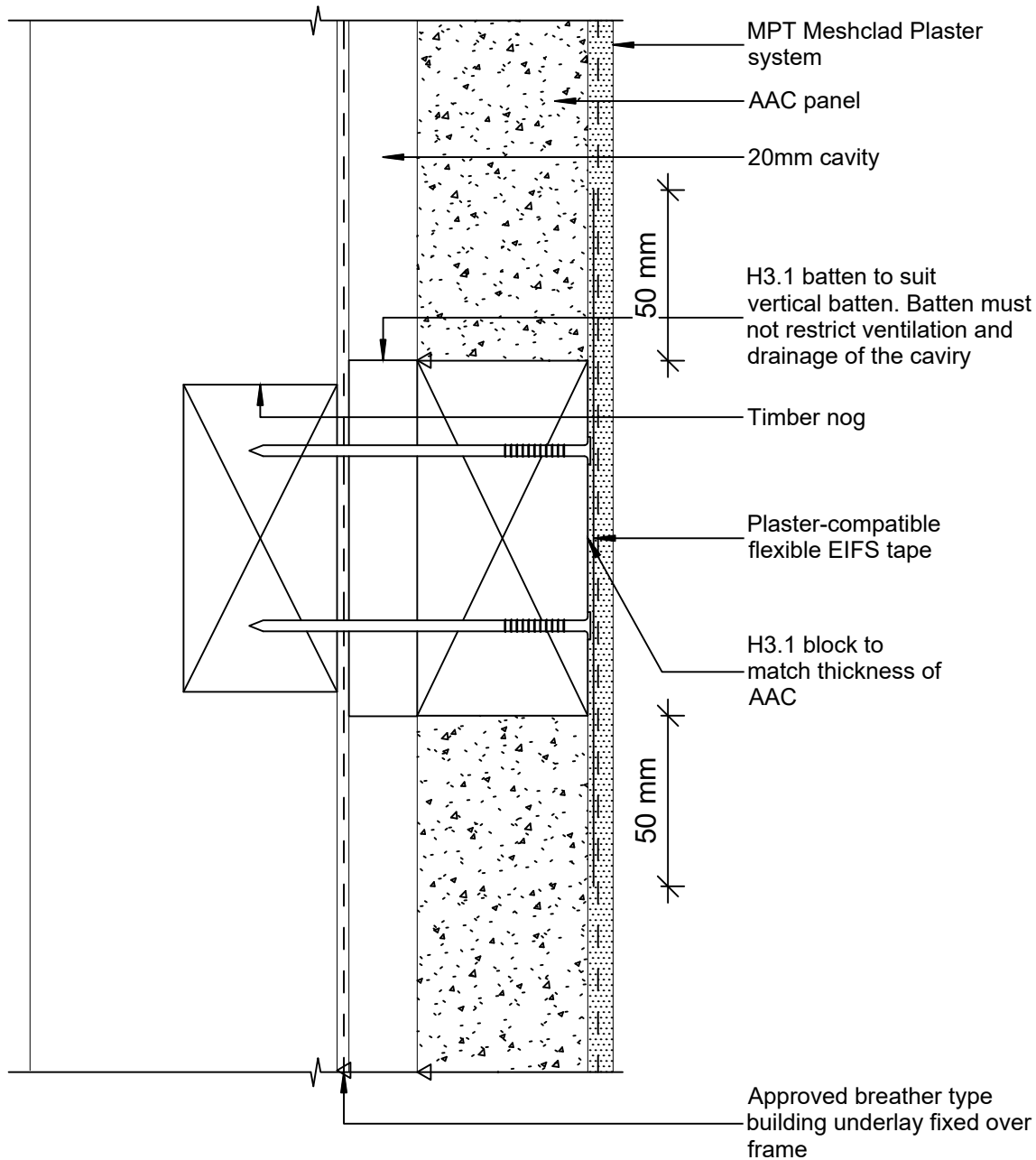
Date: June 2021

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## MPT Petrapanel

Wall - Fixing Blocks For Down Pipes Etc

AAC 50 or 75 mm Panel

Reference: A\_Q001

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