

STO DRAWING REGISTER

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|--|--------------|
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| Sto Brick System Alu.Joinery - Sill Detail - Opt 1 | PB 402 |
| Sto Brick System Alu.Joinery - Sill Detail - Opt 2 | PB 403 |
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| Sto Brick System Entry Door Threshold Detail | PB 406 |
| Sto Brick System Entry Door Jamb Detail | PB 407 |
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| Sto Brick System Sliding Door Jamb Detail | PB 410 |

THESE DETAILS ARE ISSUED AS A GUIDE USING STANDARD BUILDING PRACTICES BASED ON THE NZBC. VARIOUS BUILDING COMPONENTS ARE DETAILED AND IT IS THE RESPONSIBILITY OF EACH TRADE INVOLVED TO ENSURE THAT THEIR PARTICULAR ELEMENTS ARE INSTALLED CORRECTLY. NOTE: REFER TO INDIVIDUAL MANUFACTURERS FOR CURRENT DETAILS AND SPECIFICATIONS - SEE www.sto.co.nz FOR CURRENT DETAILS. RBW DETAILS MUST BE ISSUED BY A; REGISTERED ARCHITECT, LICENSED DESIGNER OR CHARTERED ENGINEER

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| | | |
|---------------------|--------------------------------------|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM DRAWING REGISTER | PB 001 |
| | | 2019 |

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STO DRAWING REGISTER

Drawing Description

Drawing No.

Joinery Series 400 continued

Sto Brick System Garage Door Head Detail
Sto Brick System Garage Door Jamb Detail

PB 411
PB 412

Parapets, Balustrades, Decks Series 500

Sto Brick System Parapet/Metal Flashing Detail
Sto Brick System Parapet/Rendered Detail
Sto Brick System Parapet and/or Encl.Balustrade Wall Junction - Plan View
Sto Brick System Flexible Flashing Install - Isometric
Sto Brick System Parapet Cap Installation Details
Sto Brick System StoFlexyl Meshed Saddle Flashing Install - Isometric
Sto Brick System StoFlexyl Meshed Waterproofing Cap Install - Isometric
Sto Brick System Balustrade/Encl.Deck
Sto Brick System Cantilevered Slatted Deck
Sto Brick System Non Cantilevered Slatted Deck
Sto Brick System Independent Slatted Deck
Sto Brick System Timber Beam / Pergola Detail

PB 500
PB 501
PB 502
PB 503
PB 504
PB 505
PB 506
PB 507
PB 508
PB 509
PB 510
PB 511

Soffit Series 600

Sto Brick System Flat Soffit/Wall Junction
Sto Brick System Raking Soffit/Wall Junction
Sto Brick System Face Fixed Fascia
Sto Brick System Raking Soffit
Sto Brick System Raking Soffit - Sto uPVC Control Joint
Sto Brick System Soffit at Window/Door Head

PB 600
PB 601
PB 602
PB 603
PB 604
PB 605

Roof Series 700

Sto Brick System Apron Flashing
Sto Brick System Parallel Apron Flashing
Sto Brick System Inter-storey Transverse (Apron)Roof/Stopend
Sto Brick System Inter-storey Flat (Membrane)Roof/Stopend Flashing
Sto Brick System Inter-storey Roof Stop End Flashing - PlanView
Sto Brick System Roof Penetration Gutter (Masonry Tile) Detail
Sto Brick System Roof Parallel Hidden Gutter
Sto Brick System Face Fixed Fascia/Barge
Sto Brick System Face Fixed Fascia/Membrane Roof
Sto Brick System Roof/Wall Ridge
Sto Brick System Framed Chimney

PB 700
PB 701
PB 702
PB 703
PB 704
PB 705
PB 706
PB 707
PB 708
PB 709
PB 710

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**STO BRICK
SYSTEM**

**STO BRICK SYSTEM
DRAWING REGISTER**

PB 002

2019

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STO DRAWING REGISTER

Drawing Description

Drawing No.

Dissimilar Material

Weatherboard Series 800

| | |
|---|--------|
| Sto Brick System/Weatherboard - Ext.Corner | PB 800 |
| Sto Brick System/Weatherboard - Int.Corner | PB 801 |
| Sto Brick System/Weatherboard - Vertical Joint Flashing | PB 802 |
| Sto Brick System/Weatherboard - Horizontal Junction - Opt 1 | PB 803 |
| Sto Brick System/Weatherboard - Horizontal Junction - Opt 2 | PB 804 |

Brick Series 810 series *not issued*

Fibre Cement Sheet Series 820

| | |
|---|--------|
| Sto Brick System/FC Sheet - Ext.Corner | PB 820 |
| Sto Brick System/FC Sheet - Int.Corner | PB 821 |
| Sto Brick System/FC Sheet - Vertical Junction | PB 822 |
| Sto Brick System/FC Sheet - Horizontal Junction - Opt 1 | PB 823 |
| Sto Brick System/FC Sheet - Horizontal Junction - Opt 2 | PB 824 |

Concrete Block Series 830 series *not issued*

Manufactured Stone - Schist & Natural Stone Series 840 series *not issued*

Profile Metal Series 850

| | |
|---|--------|
| Sto Brick System/Horiz.Profined Metal - Ext.Cnr | PB 850 |
| Sto Brick System/Horiz.Profined Metal - Int.Cnr | PB 851 |
| Sto Brick System/Horiz.Profined Metal - Vertical Junction - Opt 1 | PB 852 |
| Sto Brick System/Horiz.Profined Metal - Vertical Junction - Opt 2 | PB 853 |
| Sto Brick System/Horiz.Profined Metal - Horizontal Junction - Opt 1 | PB 854 |
| Sto Brick System/Horiz.Profined Metal - Horizontal Junction - Opt 2 | PB 855 |
| Sto Brick System/Vertical Profined Metal - External Corner | PB 856 |
| Sto Brick System/Vertical Profined Metal - Internal Corner | PB 857 |

StoTherm Panel EIFS Series 860

| | |
|---|--------|
| Sto Brick System/StoTherm - External Corner | PB 860 |
| Sto Brick System/StoTherm - Internal Corner | PB 861 |
| Sto Brick System/StoTherm - Vertical Joint | PB 862 |
| Sto Brick System/StoTherm - Horizontal Junction - Opt 1 | PB 863 |
| Sto Brick System/StoTherm - Horizontal Junction - Opt 2 | PB 864 |

DISSIMILAR JOINERY Series 870

TIMBER JOINERY

| | |
|--|--------|
| Sto Brick System Timber Window Joinery - Head Detail | PB 870 |
| Sto Brick System Timber Window Joinery - Sill Detail | PB 871 |
| Sto Brick System Timber Window Joinery - Jamb Detail | PB 872 |
| Sto Brick System Timber Door Joinery - Concrete Floor/Threshold Detail | PB 873 |

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**STO BRICK
SYSTEM**

**STO BRICK SYSTEM
DRAWING REGISTER**

PB 003

2019

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STO BRICK CONSTRUCTION SYSTEM

THE STO BRICK SYSTEM HAS BEEN APPRAISED FOR USE AS A VENEER BRICK CLADDING SYSTEM FOR BUILDINGS WITHIN THE FOLLOWING SCOPE:

- THE SCOPE LIMITATIONS OF NZBC ACCEPTABLE SOLUTION E2/AS1 PARAGRAPH 1.1 ; AND,
- WITH A MAXIMUM HEIGHT OF BRICK VENEER OF 10.0 M ABOVE THE SUPPORTING FOUNDATION, AND A MAXIMUM HEIGHT OF 4.0 M ABOVE A ROOF LINE; AND,
- WITH A DEPTH OF CAVITY OF BETWEEN 40 MM AND 75MM; AND,
- WITH A RISK SCORE OF 0-20, CALCULATED IN ACCORDANCE WITH NZBC ACCEPTABLE SOLUTION E2/AS1 TABLE 2; AND,
- WITH TIMBER FRAMING CONSTRUCTED ON SLAB-ON-GROUND IN ACCORDANCE WITH NZS 3604 AND/OR
- CONCRETE MASONRY FOUNDATION CONSTRUCTED IN ACCORDANCE WITH NZS 4229; AND,
- SITUATED IN NZS 3604 BUILDING WIND ZONES UP TO AND INCLUDING 'EXTRA HIGH'.

STO BRICK SYSTEM CAVITY CONSTRUCTION

- NO SOFFIT OR WINDOW BRICK VENTS
- POREN uPVC JOINERY FLASHINGS
- POREN 2400 x 200 x 75mm STEEL REINFORCED LINTELS FOR OPENINGS
- POREN 600 x 200 x 75mm LIGHTWEIGHT BIG BRICKS
- POREN BRICK MORTAR FOR STRENGTH
- STO POREN RENDER SYSTEM

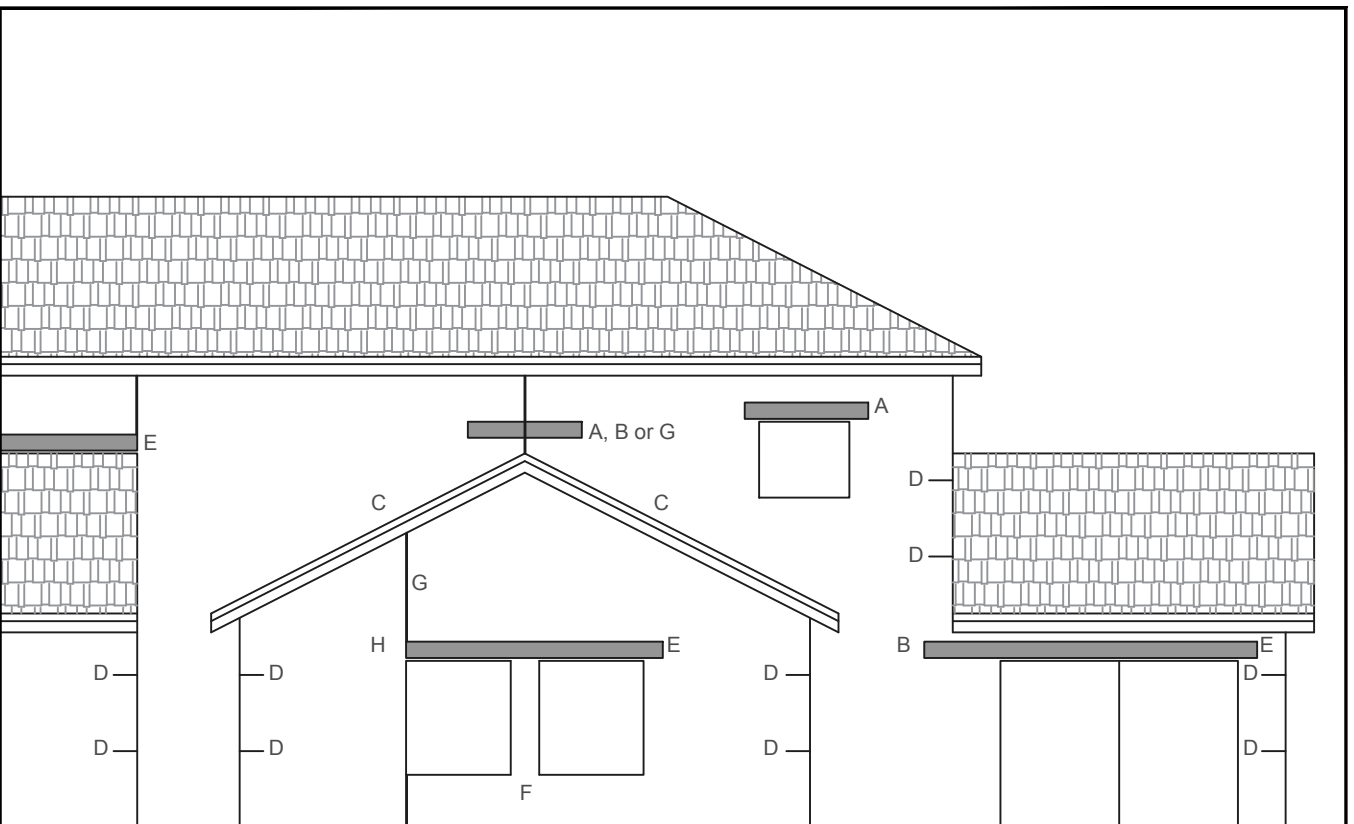
STO BRICK SYSTEM RENDER

INCORPORATING:

1. S-PROTECT WS 205 SEALER TO SEAL BARE BRICKS
2. STOPOREN RENDER 25kg BAG
MINERAL MESHED BASE COAT or STOLEVELL NOVO 15kg BAG RENDER FOR STRAIGHTENING WALLS, CAN BE MACHINE APPLIED.
3. STOPLEX W SEALER 10lt CONTAINER
EUROPEAN CONSOLIDATION SEALER
4. STOLIT K or MP COLOURED FINISHING RENDER 25kg PAIL
EUROPEAN FIBRE REINFORCED NON-CEMENT COLOURED FINISHING RENDER AVAILABLE IN 1.0/1.5/2.0/3.0mm SIZED TEXTURE AND MP or MP NATURAL COLOURED SPONGE RENDER.
5. STOCOLOR : MAXICRYL MATT FACADE PAINT 15lt PAIL
: LASTIC SATIN FACADE PAINT 15lt PAIL
: LOTUSAN MINERAL RESIN PAINT 15lt PAIL
6. STOARMAT MIRAL RENDER SYSTEM CAN ALSO BE USED FOR TWENTY (20) YEAR WARRANTY

| | | |
|---------------------|--------------------------------------|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM INTRODUCTION | PB 004 |
| | | 2019 |

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- | | |
|---|---|
| A | POREN LINTEL OVER OPENINGS AND TO REINFORCE STRESS POINTS |
| B | OVERLAP LINTEL MIN 600mm PAST ANY NARROW WIDTHS OR STRESS POINTS |
| C | CONTINUOUS GALVANISED SHELF BRACKET REQUIRED ON PARALLEL SLOPING ROOFS |
| D | WIRE REINFORCED IN EXTERIOR CORNERS @800mm CENTRES |
| E | POREN LINTELS WITH POREN 310mm WIDE SHELF BRACKETS AT JOINS ON OPENINGS OVER 2000mm LONG OR AT INTER-STOREY PARALLEL ROOFS |
| F | MINIMUM BRICK WIDTH 200mm |
| G | CONTROL JOINTS REQUIRED EVERY 12.0 LINEAL METRES WHERE A CONTROL JOINT OCCURS AT H, FINISH POREN LINTEL ON POREN SHELF BRACKET |
| H | FINISH LINTEL ON POREN SHELF BRACKETS FOR CONTINUOUS CONTROL JOINTS |

NOTE: BRICK TIES REQUIRED AT 400mm CENTRES VERTICALLY & 600mm CENTRES HORIZONTALLY; AT ALL LINTEL JOINS OR TERMINATIONS AND 150mm MAX. FROM CONTROL JOINTS

| | | |
|---------------------|-------------------------------|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM | PB-005 |
| | NARROW WIDTHS & STRESS POINTS | 2019 |

Lintels Supporting Roof Only (Table 8.9 of NZS 3604)

| Max Veneer Height (m) | Roof Type | Loaded Dimension (m) | Max Lintel Span (m) for Ritch Beam Size | | | | | | | | | | | | | | |
|-----------------------|-----------|----------------------|---|-------|-------|-------|-------|--------|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| | | | Mitek | | | | | Pryda | | | | | | | | | |
| | | | FB15L | FB20M | FB25L | FB25M | FB30M | 150PF6 | 200PF6 | 200PF8 | 200PF10 | 250PF6 | 250PF8 | 250PF10 | 300PF6 | 300PF8 | 300PF10 |
| 600mm | Light | 2 | 2.8 | 4.2 | 4.4 | 5.3 | 6.4 | 3.1 | 4.2 | 4.5 | 4.8 | 5.3 | 5.7 | 6.1 | 6.4 | 6.9 | 7.3 |
| | | 3 | 2.6 | 3.8 | 4.0 | 4.9 | 5.9 | 2.8 | 2.8 | 4.1 | 4.4 | 4.9 | 5.2 | 5.6 | 5.9 | 6.3 | 6.7 |
| | | 4 | 2.4 | 3.6 | 3.8 | 4.5 | 5.5 | 2.6 | 2.6 | 3.9 | 4.1 | 4.5 | 4.9 | 5.2 | 5.5 | 5.9 | 6.3 |
| | Heavy | 6 | 2.2 | 3.2 | 3.4 | 4.1 | 4.9 | 2.4 | 3.2 | 3.5 | 3.7 | 4.1 | 4.4 | 4.7 | 4.9 | 5.3 | 5.6 |
| | | 2 | 2.4 | 3.6 | 3.8 | 4.6 | 5.6 | 2.6 | 3.6 | 3.8 | 4.1 | 4.5 | 4.8 | 5.1 | 5.4 | 5.8 | 6.2 |
| | | 3 | 2.2 | 3.3 | 3.5 | 4.2 | 5.1 | 2.4 | 3.2 | 3.5 | 3.7 | 4.1 | 4.4 | 4.7 | 4.9 | 5.3 | 5.7 |
| 1200mm | Light | 4 | 2.2 | 3.1 | 3.2 | 3.9 | 4.7 | 2.2 | 3.0 | 3.2 | 3.4 | 3.8 | 4.1 | 4.3 | 4.6 | 4.9 | 5.3 |
| | | 6 | 1.9 | 2.8 | 2.9 | 3.5 | 4.2 | 2.1 | 2.7 | 2.9 | 3.1 | 3.4 | 3.7 | 3.9 | 4.1 | 4.4 | 4.7 |
| | Heavy | 2 | 2.7 | 4.0 | 4.2 | 5.1 | 6.2 | 3.0 | 4.0 | 4.3 | 4.6 | 5.1 | 5.5 | 5.8 | 6.1 | 6.6 | 7.0 |
| | | 3 | 2.5 | 3.7 | 3.9 | 4.7 | 5.7 | 2.8 | 3.7 | 4.0 | 4.2 | 4.7 | 5.0 | 5.4 | 5.7 | 6.1 | 6.5 |
| | | 4 | 2.4 | 3.5 | 3.7 | 4.4 | 5.3 | 2.6 | 3.5 | 3.7 | 4.0 | 4.4 | 4.7 | 5.0 | 5.3 | 5.7 | 6.1 |
| | | 6 | 2.2 | 3.2 | 3.3 | 4.0 | 4.8 | 2.4 | 3.2 | 3.4 | 3.6 | 4.0 | 4.3 | 4.6 | 4.8 | 5.2 | 5.5 |
| Unlimited | Light | 2 | 2.4 | 3.6 | 3.7 | 4.5 | 5.4 | 2.6 | 3.5 | 3.7 | 3.9 | 4.4 | 4.7 | 5.0 | 5.3 | 5.7 | 6.0 |
| | | 3 | 2.2 | 3.3 | 3.4 | 4.1 | 5.0 | 2.4 | 3.2 | 3.4 | 3.6 | 4.0 | 4.3 | 4.6 | 4.8 | 5.2 | 5.5 |
| | | 4 | 2.2 | 3.1 | 3.2 | 3.8 | 4.6 | 2.2 | 3.0 | 3.2 | 3.4 | 3.7 | 4.0 | 4.3 | 4.5 | 4.9 | 5.2 |
| | Heavy | 6 | 1.9 | 2.7 | 2.9 | 3.5 | 4.2 | 2.1 | 2.7 | 2.9 | 3.1 | 3.4 | 3.6 | 3.8 | 4.1 | 4.4 | 4.6 |
| | | 2 | 2.7 | 4.0 | 4.2 | 5.0 | 5.9 | 3.0 | 4.0 | 4.3 | 4.5 | 4.9 | 5.3 | 5.6 | 5.9 | 6.3 | 6.6 |
| | | 3 | 2.5 | 3.7 | 3.9 | 4.6 | 5.6 | 2.8 | 3.7 | 4.0 | 4.2 | 4.6 | 4.9 | 5.2 | 5.5 | 5.9 | 6.2 |
| Unlimited | Light | 4 | 2.4 | 3.5 | 3.7 | 4.4 | 5.2 | 2.6 | 3.5 | 3.7 | 4.0 | 4.4 | 4.7 | 4.9 | 5.2 | 5.6 | 5.9 |
| | | 6 | 2.2 | 3.2 | 3.3 | 4.0 | 4.8 | 2.4 | 3.2 | 3.4 | 3.6 | 4.0 | 4.3 | 4.5 | 4.8 | 5.1 | 5.4 |
| | Heavy | 2 | 2.4 | 3.6 | 3.7 | 4.5 | 5.3 | 2.6 | 3.5 | 3.7 | 3.9 | 4.3 | 4.6 | 4.9 | 5.2 | 5.5 | 5.9 |
| | | 3 | 2.2 | 3.3 | 3.4 | 4.1 | 4.9 | 2.4 | 3.2 | 3.4 | 3.6 | 4.0 | 4.3 | 4.5 | 4.8 | 5.1 | 5.4 |
| | | 4 | 2.2 | 3.1 | 3.2 | 3.8 | 4.6 | 2.2 | 3.0 | 3.2 | 3.4 | 3.7 | 4.0 | 4.2 | 4.5 | 4.8 | 5.1 |
| | | 6 | 1.9 | 2.7 | 2.9 | 3.5 | 4.2 | 2.1 | 2.7 | 2.9 | 3.1 | 3.4 | 3.6 | 3.8 | 4.1 | 4.4 | 4.6 |

Lintels Supporting Wall & Floor (Table 8.12 of NZS 3604)

| Max Veneer Height (m) | Roof Type | Loaded Dimension (m) | Max Lintel Span (m) for Ritch Beam Size | | | | | | | | | | | | | | |
|-----------------------|-----------|----------------------|---|-------|-------|-------|-------|--------|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| | | | Mitek | | | | | Pryda | | | | | | | | | |
| | | | FB15L | FB20M | FB25L | FB25M | FB30M | 150PF6 | 200PF6 | 200PF8 | 200PF10 | 250PF6 | 250PF8 | 250PF10 | 300PF6 | 300PF8 | 300PF10 |
| Unlimited | Heavy | 3 | 2.1 | 3.0 | 3.2 | 3.9 | 4.7 | 2.2 | 2.9 | 3.1 | 3.3 | 3.7 | 3.7 | 4.2 | 4.4 | 4.8 | 5.1 |

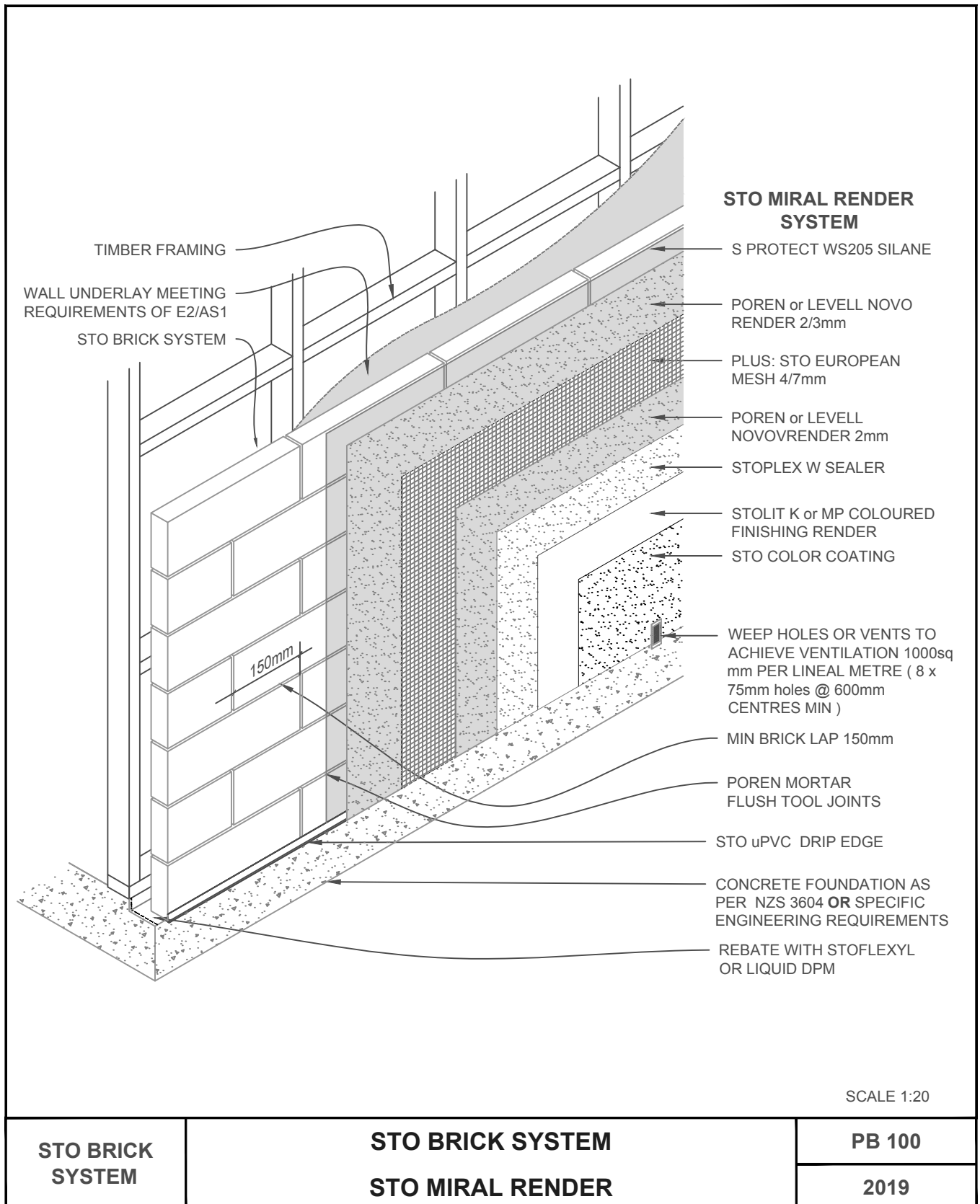
Lintels Supporting Roof, Wall, Floor (Table 8.11 of NZS 3604)

| Max Veneer Height (m) | Roof Type | Loaded Dimension (m) | Max Lintel Span (m) for Ritch Beam Size | | | | | | | | | | | | | | |
|-----------------------|-----------|----------------------|---|-------|-------|-------|-------|--------|--------|--------|---------|--------|--------|---------|--------|--------|---------|
| | | | Mitek | | | | | Pryda | | | | | | | | | |
| | | | FB15L | FB20M | FB25L | FB25M | FB30M | 150PF6 | 200PF6 | 200PF8 | 200PF10 | 250PF6 | 250PF8 | 250PF10 | 300PF6 | 300PF8 | 300PF10 |
| Unlimited | Light | 2 | 2.1 | 3.0 | 3.1 | 3.7 | 4.5 | 2.1 | 2.8 | 3.0 | 3.1 | 3.5 | 3.7 | 4.0 | 4.2 | 4.5 | 4.8 |
| | | 3 | 2.0 | 2.9 | 3.0 | 3.6 | 4.4 | 2.1 | 2.7 | 2.9 | 3.0 | 3.4 | 3.6 | 3.8 | 4.1 | 4.4 | 4.6 |
| | | 4 | 2.0 | 2.8 | 2.9 | 3.5 | 4.2 | 2.0 | 2.6 | 2.8 | 2.9 | 3.3 | 3.5 | 3.7 | 3.9 | 4.2 | 4.5 |
| | Heavy | 6 | 1.9 | 2.6 | 2.8 | 3.3 | 4.0 | 1.9 | 2.4 | 2.6 | 2.8 | 3.1 | 3.3 | 3.5 | 3.7 | 4.0 | 4.3 |
| | | 2 | 2.0 | 2.8 | 2.9 | 3.5 | 4.3 | 2.0 | 2.6 | 2.8 | 3.0 | 3.3 | 3.5 | 3.8 | 4.0 | 4.3 | 4.5 |
| | | 3 | 1.9 | 2.7 | 2.8 | 3.4 | 4.1 | 1.9 | 2.5 | 2.7 | 2.8 | 3.1 | 3.4 | 3.6 | 3.8 | 4.1 | 4.3 |
| Unlimited | Light | 4 | 1.8 | 2.6 | 2.7 | 3.3 | 3.9 | 1.9 | 2.4 | 2.6 | 2.7 | 3.0 | 3.3 | 3.5 | 3.7 | 3.9 | 4.2 |
| | | 6 | 1.7 | 2.4 | 2.5 | 3.0 | 3.7 | 1.8 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.7 | 3.9 |
| | Heavy | 2 | 2.0 | 2.8 | 2.9 | 3.5 | 4.3 | 2.0 | 2.6 | 2.8 | 3.0 | 3.3 | 3.5 | 3.8 | 4.0 | 4.3 | 4.5 |
| | | 3 | 1.9 | 2.7 | 2.8 | 3.4 | 4.1 | 1.9 | 2.5 | 2.7 | 2.8 | 3.1 | 3.4 | 3.6 | 3.8 | 4.1 | 4.3 |
| | | 4 | 1.8 | 2.6 | 2.7 | 3.3 | 3.9 | 1.9 | 2.4 | 2.6 | 2.7 | 3.0 | 3.3 | 3.5 | 3.7 | 3.9 | 4.2 |
| | | 6 | 1.7 | 2.4 | 2.5 | 3.0 | 3.7 | 1.8 | 2.2 | 2.4 | 2.6 | 2.8 | 3.0 | 3.2 | 3.4 | 3.7 | 3.9 |

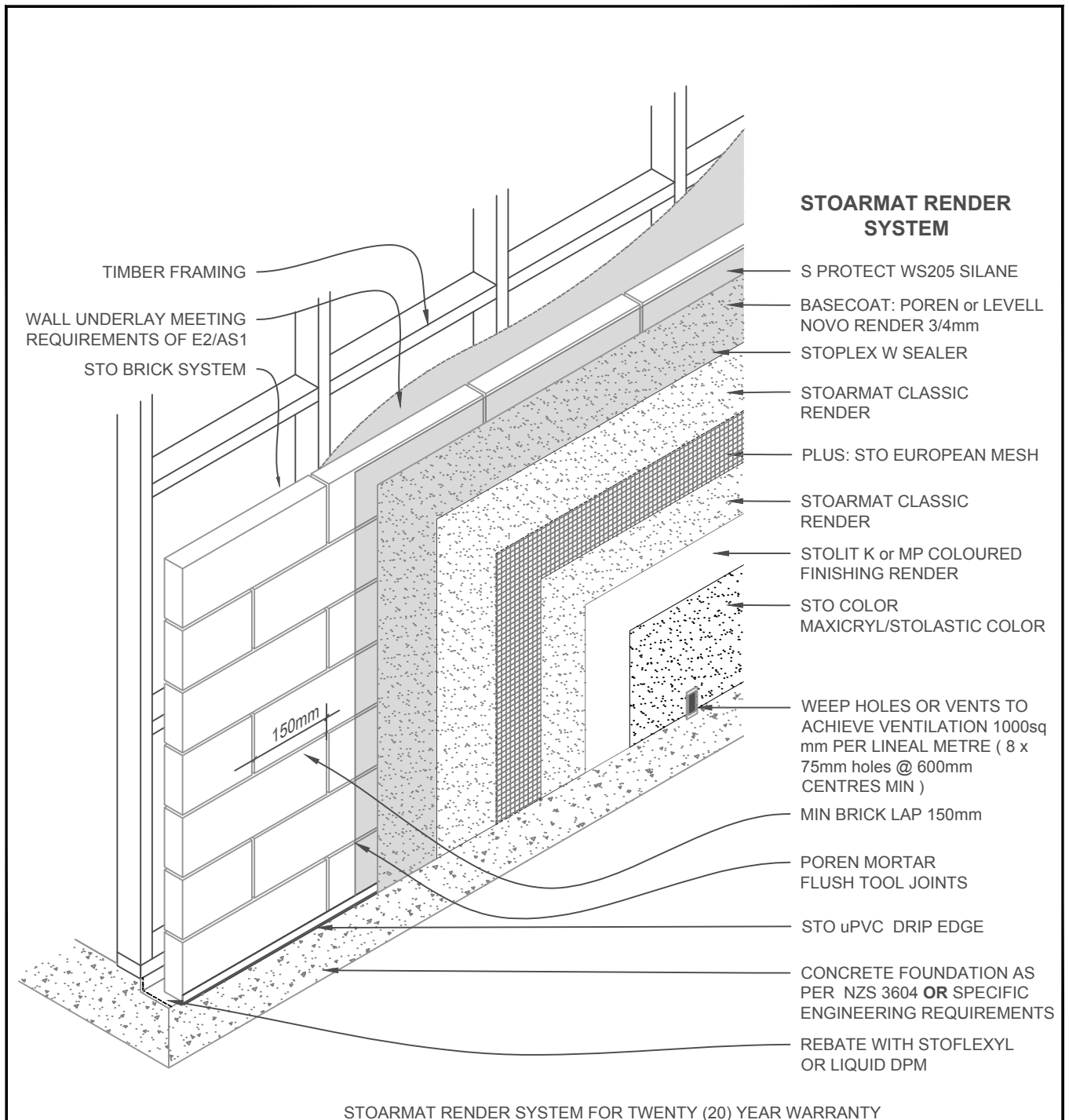
FLITCH BEAM CALCULATION TABLES TO SUPPORT POREN LINTEL AT OPENINGS

| | | |
|------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM FLITCH BEAM CALCULATION TABLES | PB-006 |
| | | 2019 |

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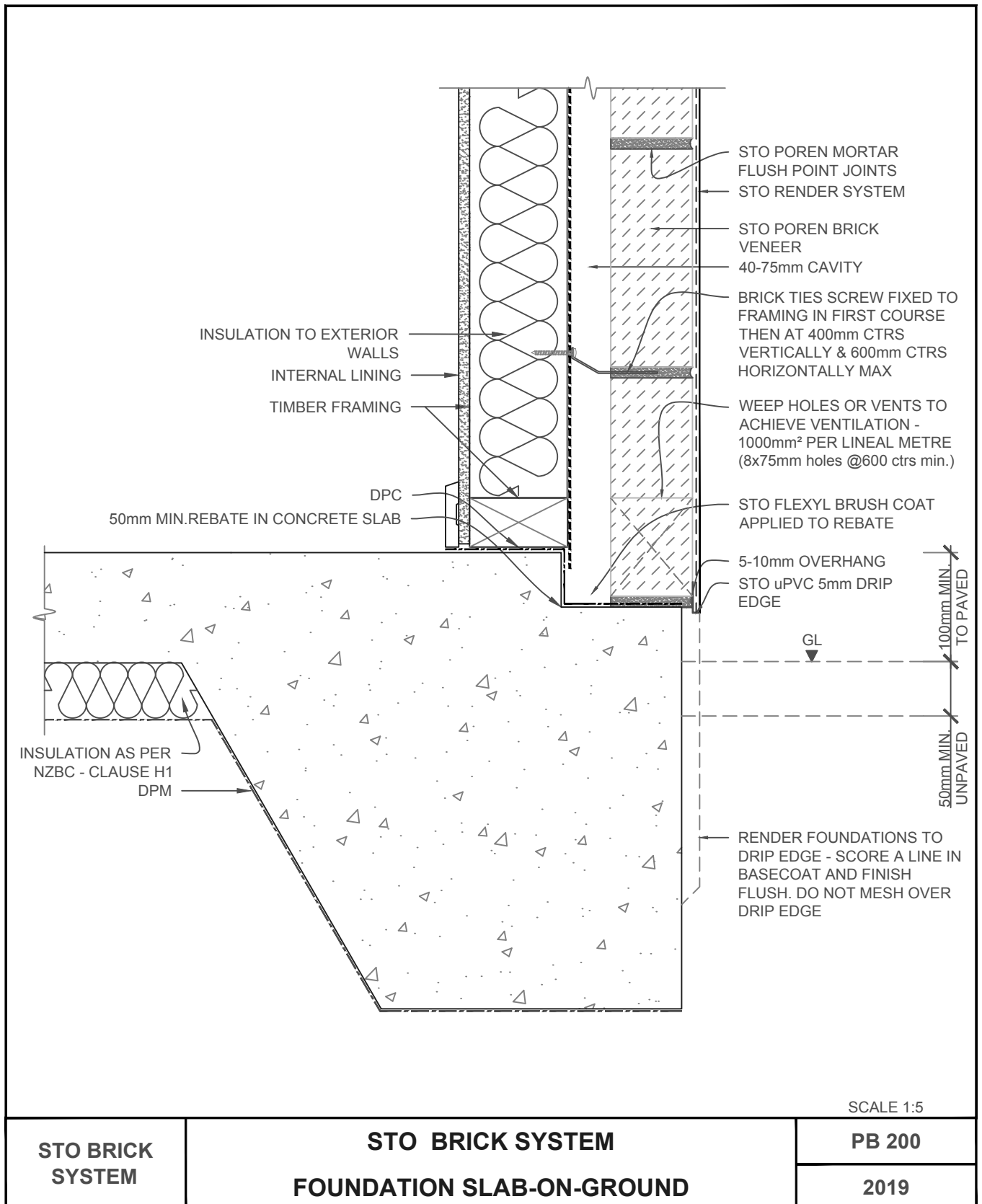
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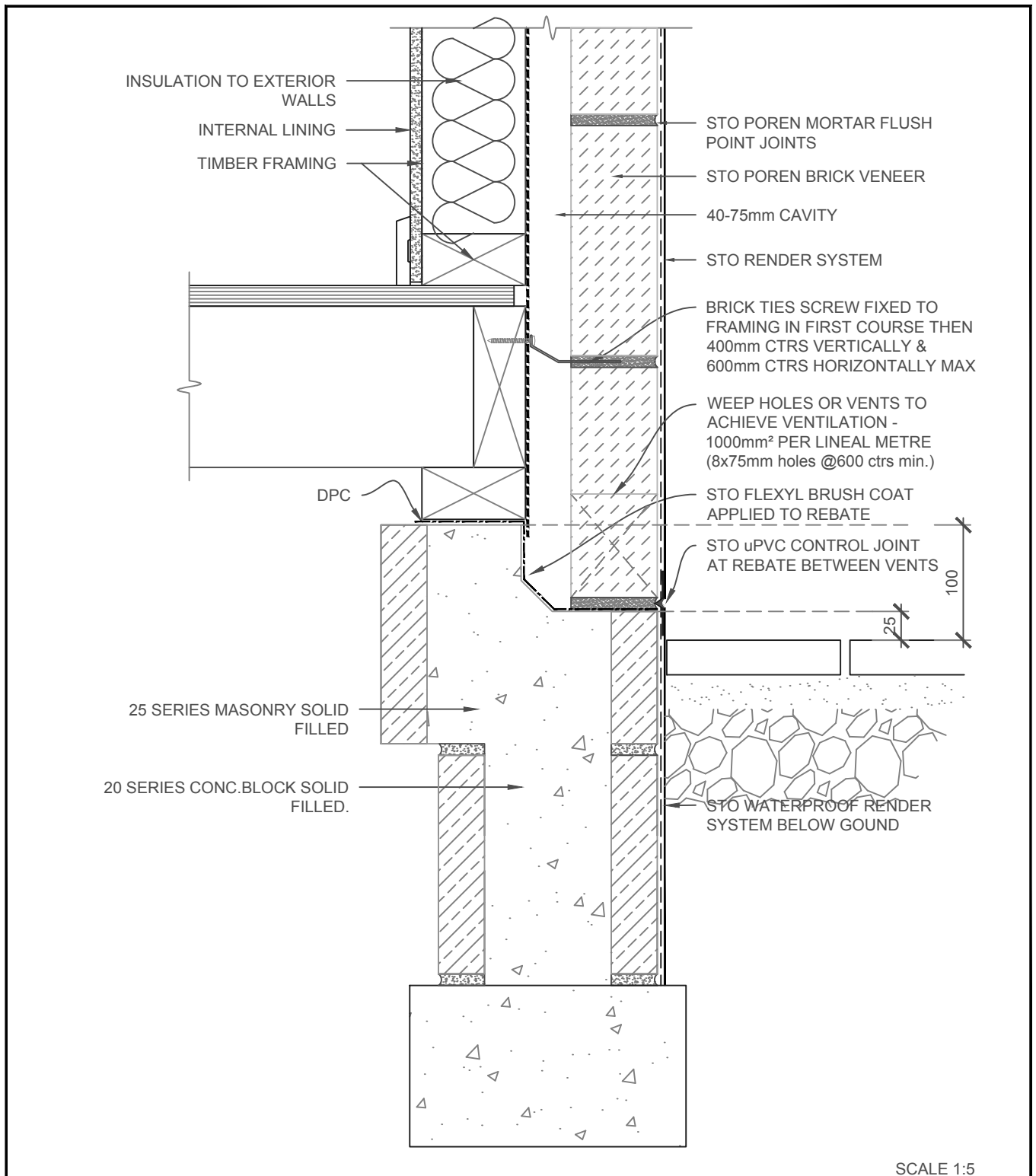


SCALE 1:20

| | | |
|------------------|-------------------------------------|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM STOARMAT RENDER | PB 101 |
| | | 2019 |

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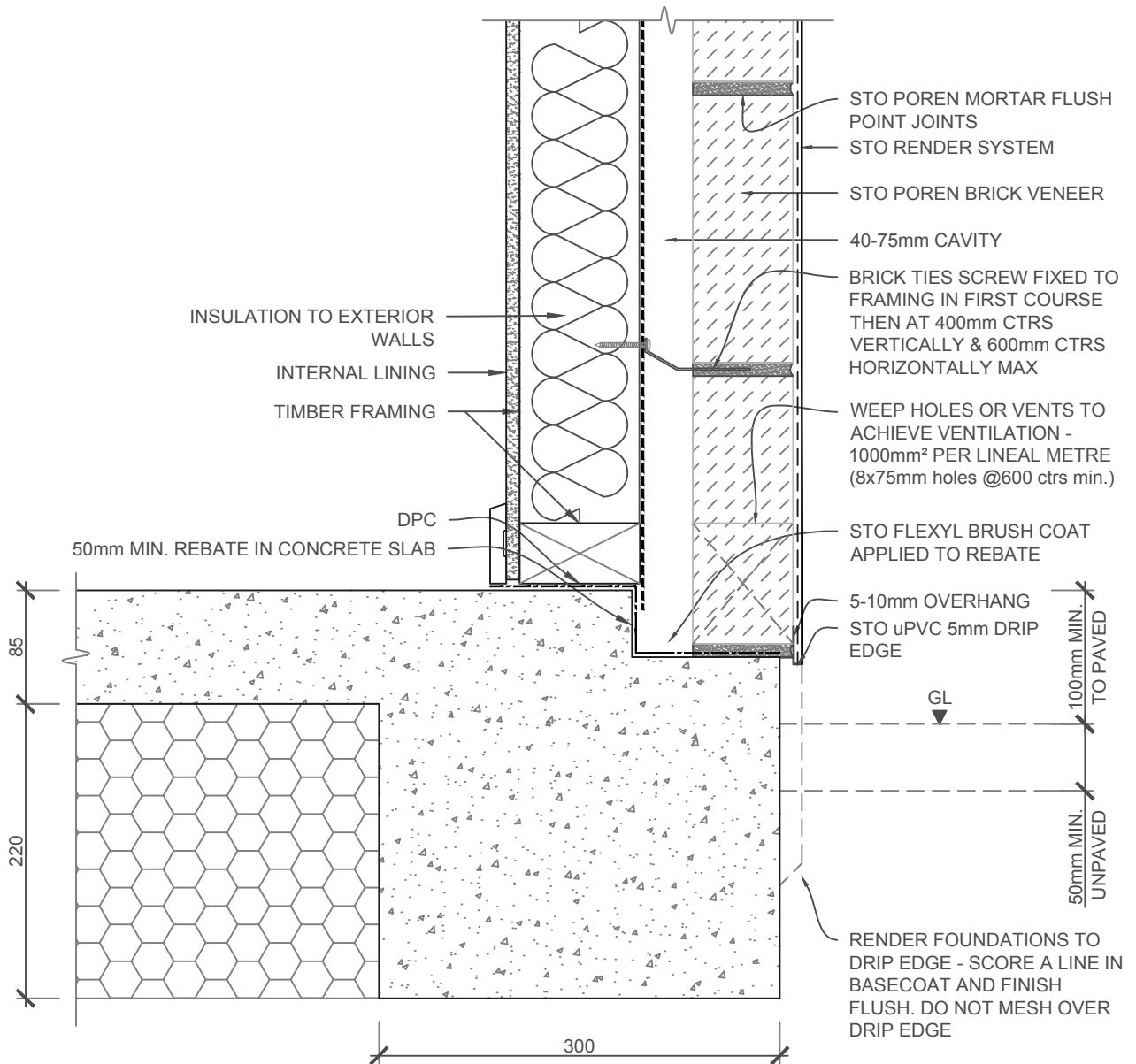




SCALE 1:5

| | | |
|--------------------------------|---|---|
| <p>STO BRICK SYSTEM</p> | <p>STO BRICK SYSTEM</p> <p>CONC.BLOCK FOUNDATION/TIMBER FLOOR</p> | <p>PB 201</p> <p>2019</p> |
|--------------------------------|---|---|

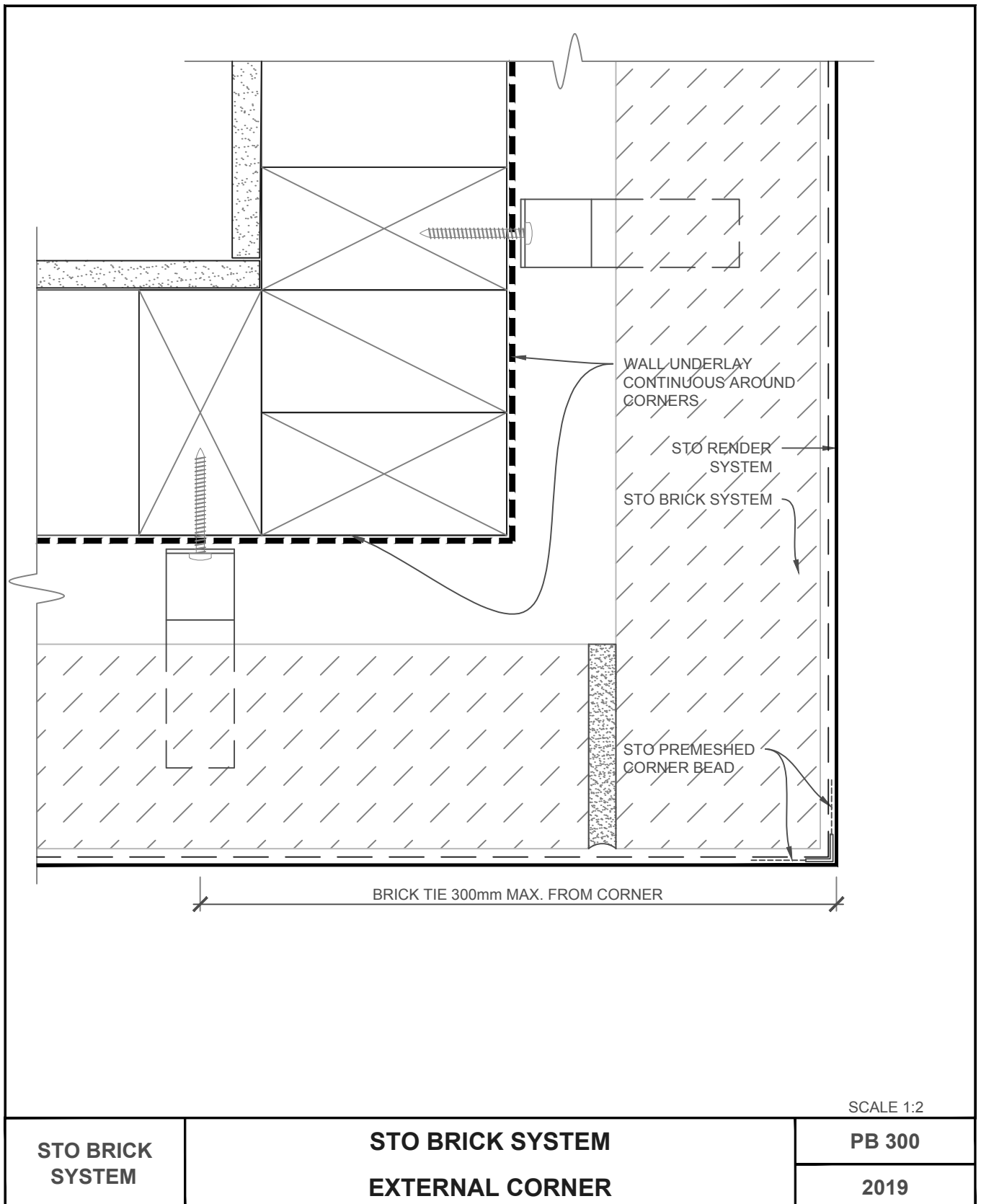
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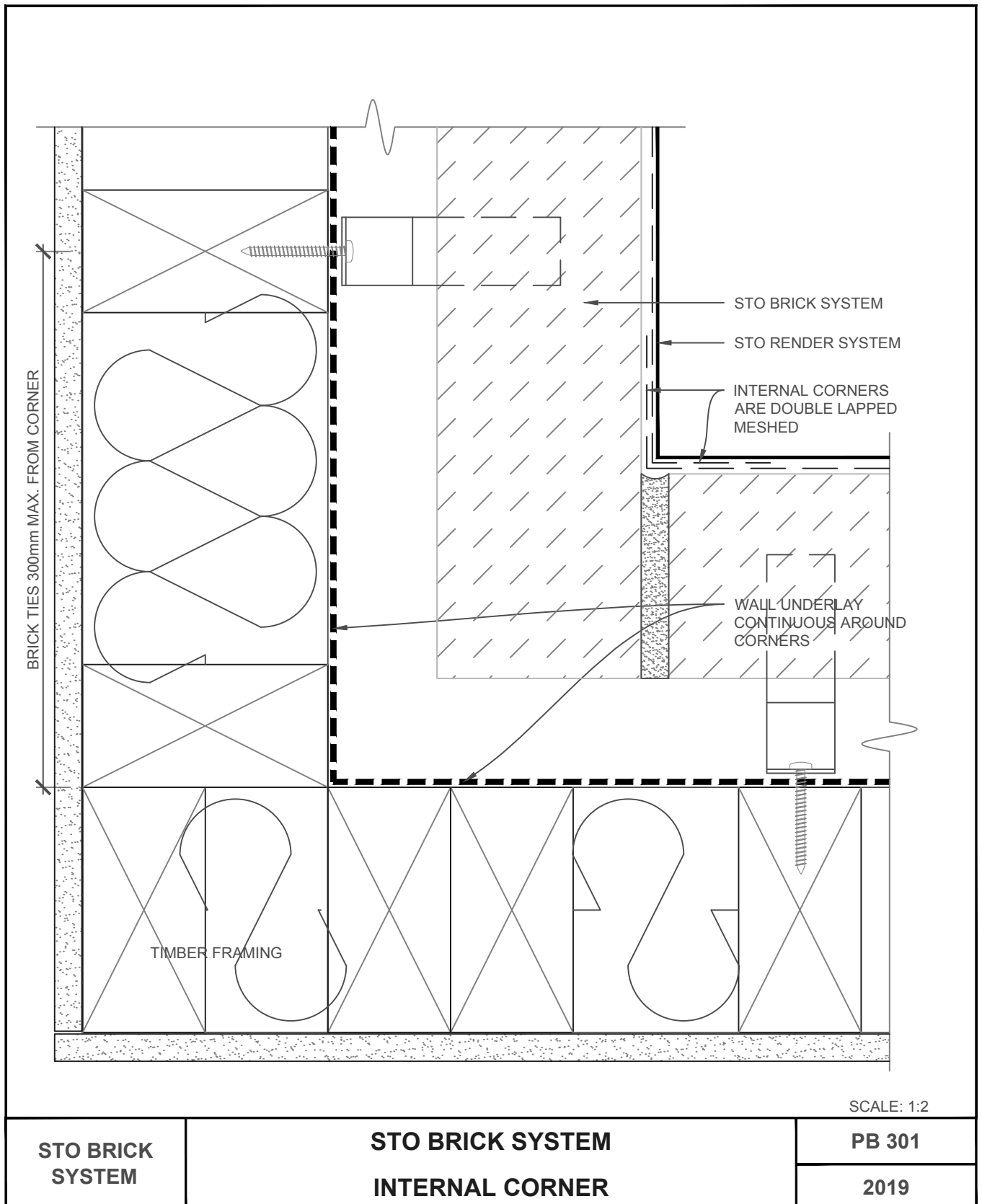


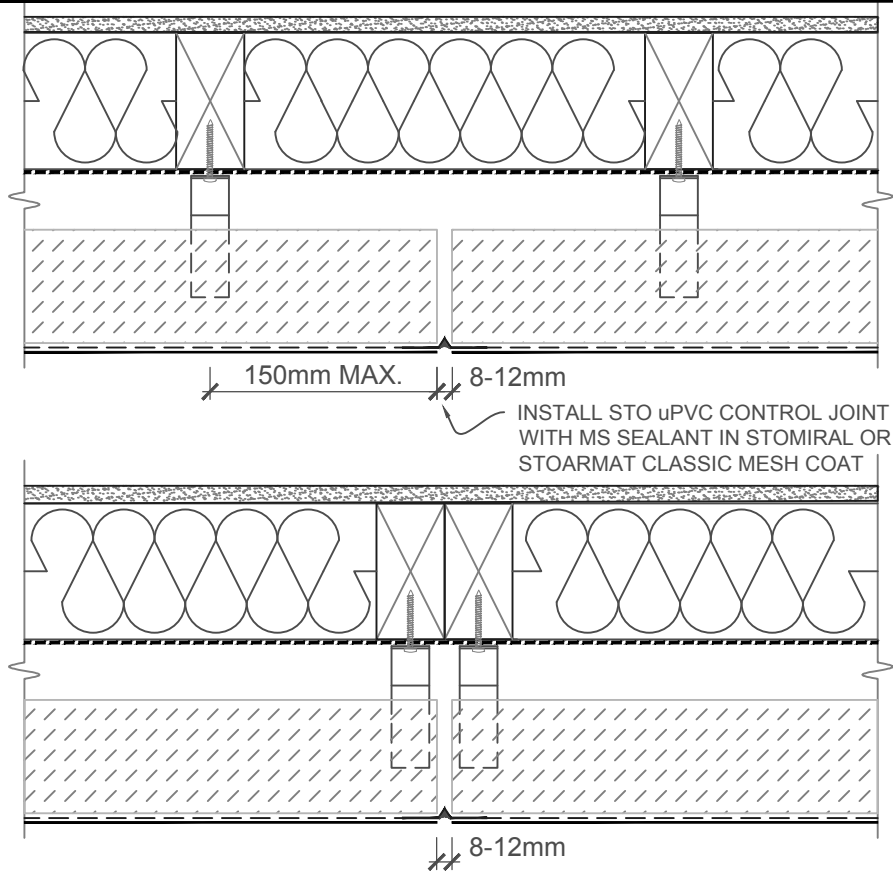
SCALE 1:5

| | | |
|------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM INSULATED FLOOR SYSTEM / EDGE DETAIL | PB 202 |
| | | 2019 |

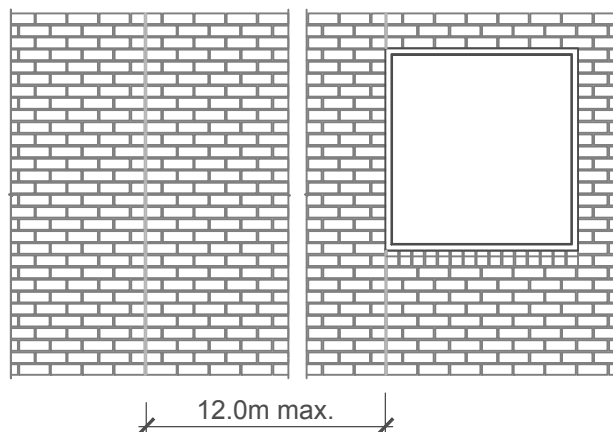
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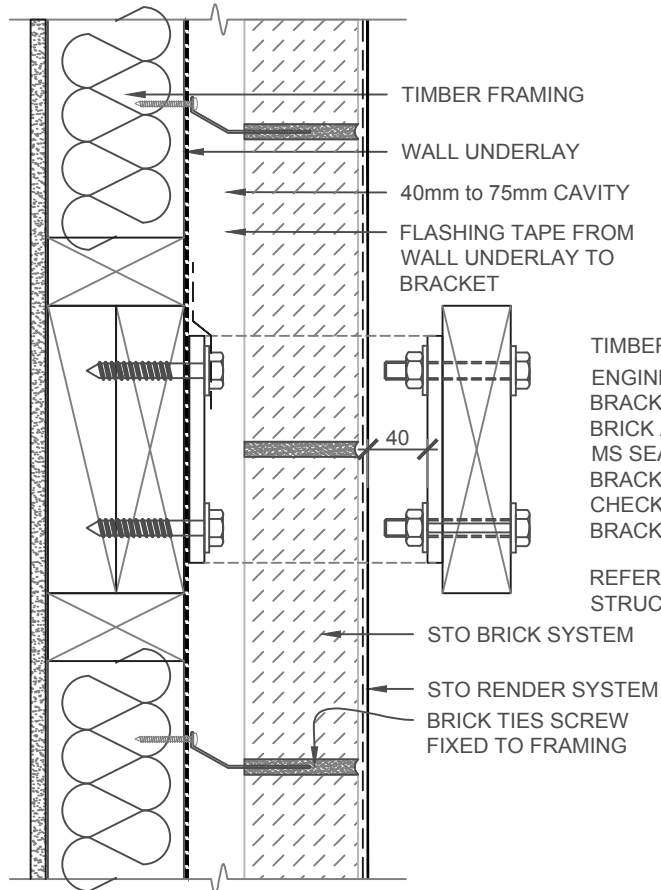


NOTE: VERTICAL CONTROL JOINTS AT MAXIMUM 12m CENTRES OR WHERE THE HEIGHT OF THE WALL CHANGES BY MORE THAN 20%.
HORIZONTAL CONTROL JOINTS ONLY REQUIRED AT DISSIMILAR MATERIAL JUNCTIONS.

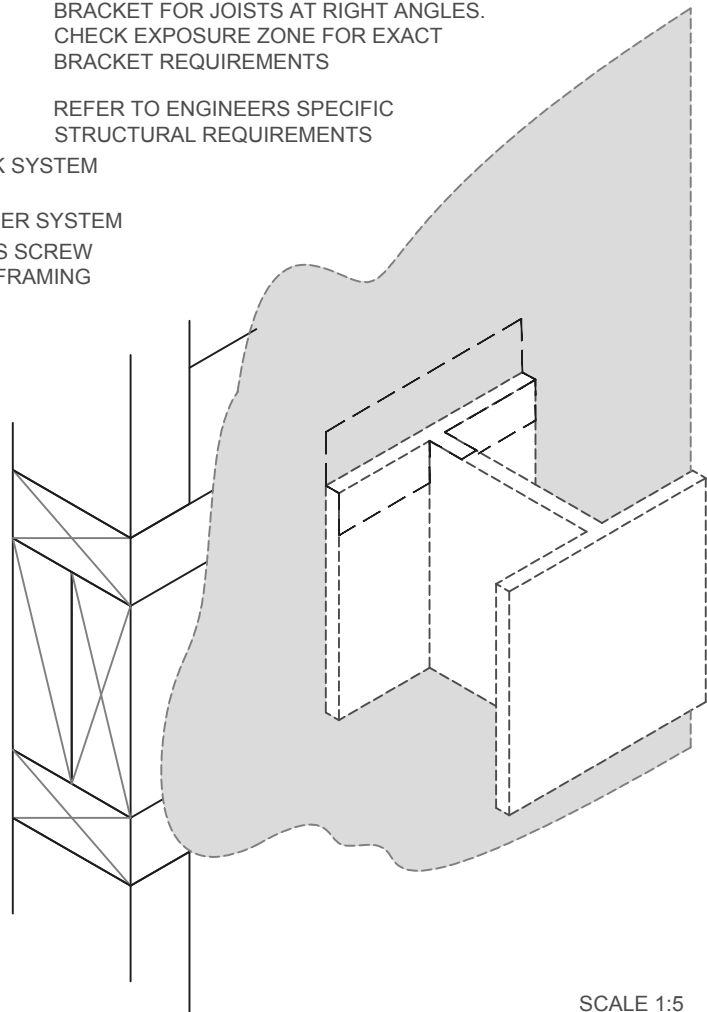


| | | |
|---------------------|------------------------|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM | PB 302 |
| | VERTICAL CONTROL JOINT | 2019 |

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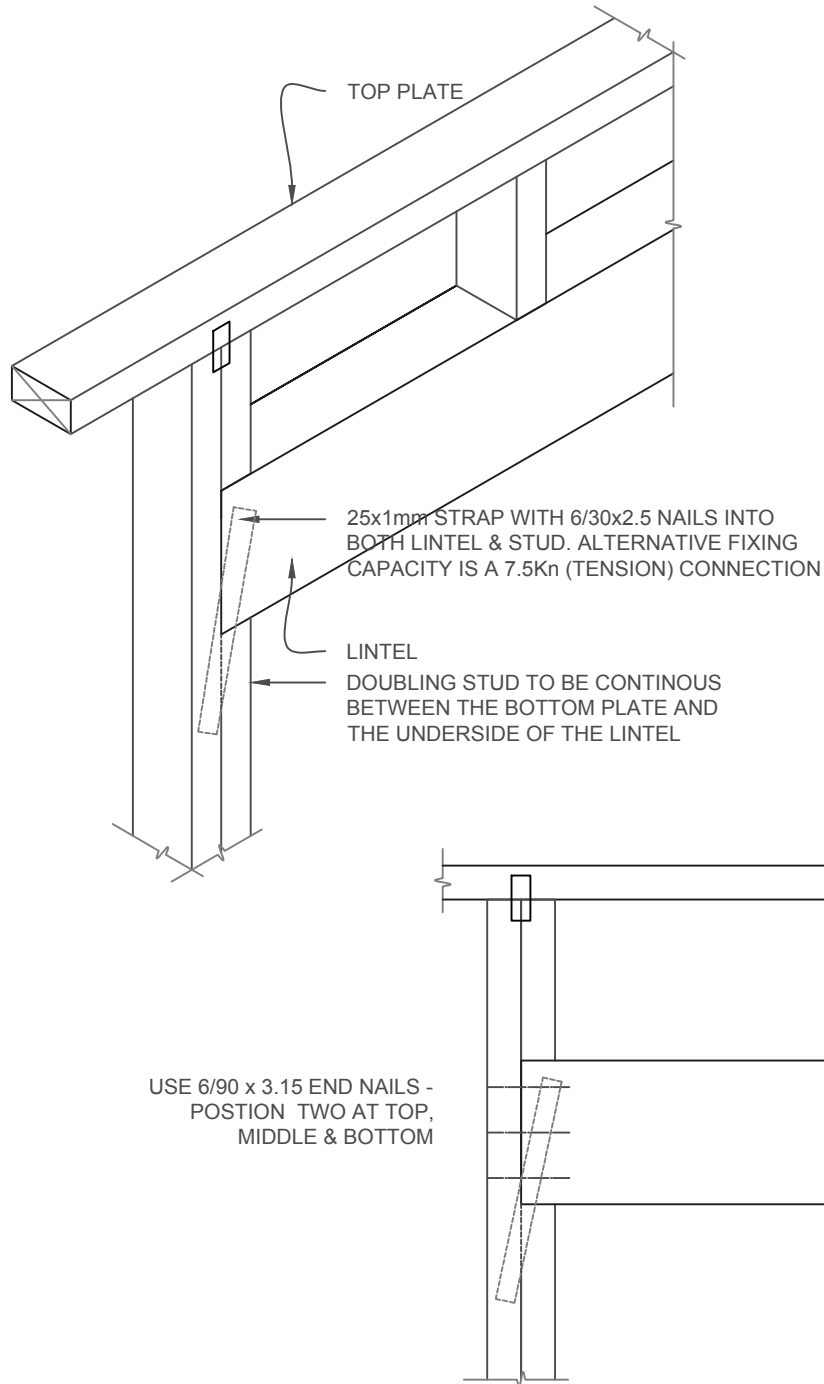
NOTE: MANUFACTURED GALV. STEEL 'H' or 'U' BRACKET FOR PARALLEL CONNECTION. USE 'L' BRACKET FOR RIGHT ANGLED CONNECTIONS. CHECK EXPOSURE ZONE FOR EXACT BRACKET REQUIREMENTS



SCALE 1:5

| | | |
|--------------------------------|---|---|
| <p>STO BRICK SYSTEM</p> | <p>STO BRICK SYSTEM</p> <p>GALVANISED FIXING BRACKETS</p> | <p>PB 303</p> <p>2019</p> |
|--------------------------------|---|---|

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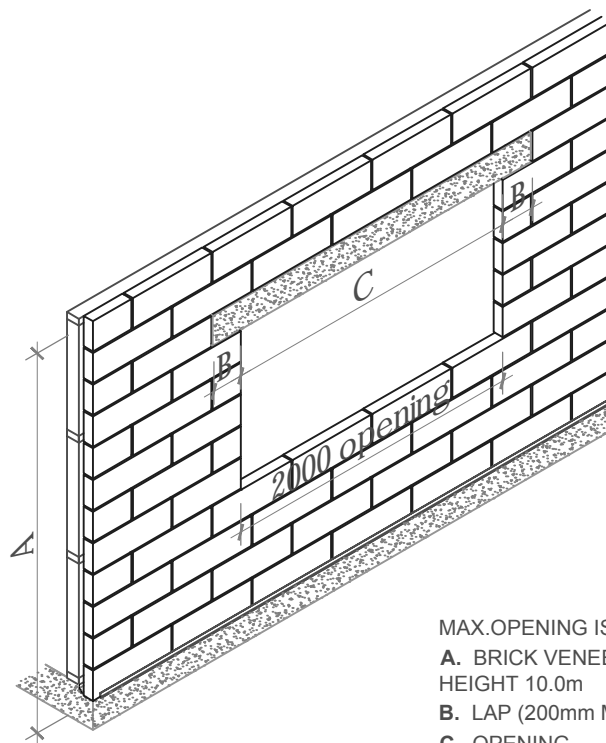
NOTE: SEE PB 307 FOR OPENINGS OVER 2.0M

SCALE 1:10

| | | |
|------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM STANDARD LINTEL CONNECTION | PB 304 |
| | | 2019 |

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REFER TO POREN SPAN TABLES FOR
MITEK or PRYDA TIMBER LINTEL SIZES



MAX.OPENING IS **2000mm**

A. BRICK VENEER HEIGHT (MAX.WALL
HEIGHT 10.0m)

B. LAP (200mm MIN.)

C. OPENING

LINTEL LENGTH CALCULATION

$C + (2 \times B) = \text{LINTEL LENGTH}$

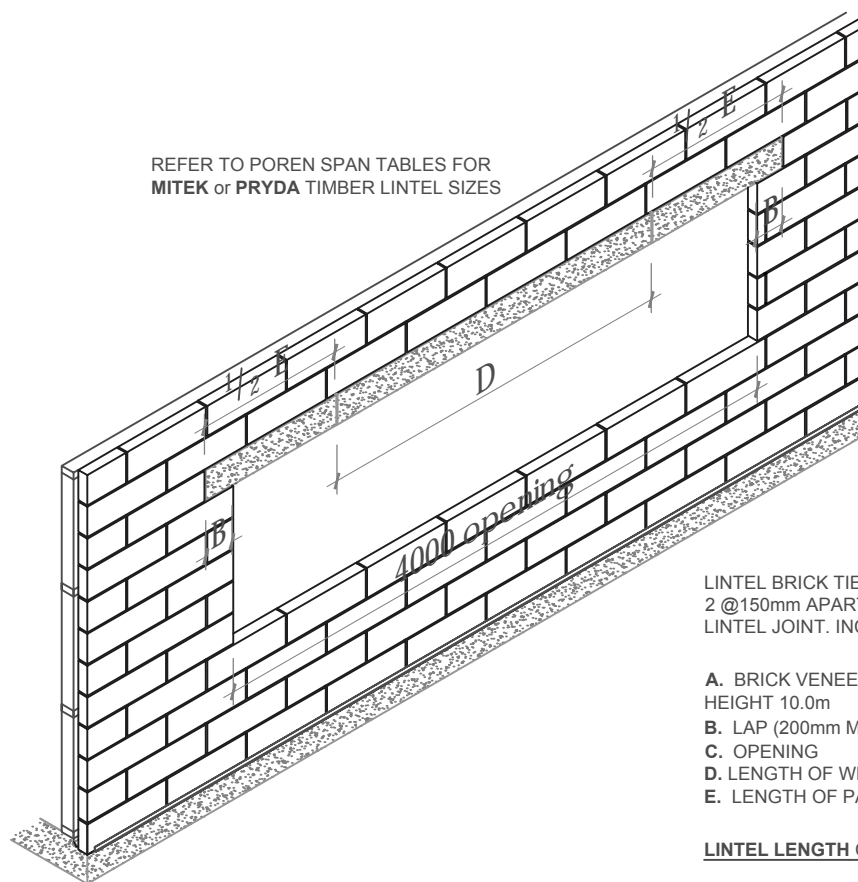
EG: $2000\text{mm} + (2 \times 200\text{mm}) = 2400\text{mm}$

LINTEL BRICK TIES 600mm MIN.CTRS -
SPANS OVER 2000mm REQUIRE POREN
SHELF BRACKETS

SCALE 1:50

| | | |
|---------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM LINTEL OPENING (unsupported) | PB 305 |
| | | 2019 |

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REFER TO POREN SPAN TABLES FOR
MITEK or PRYDA TIMBER LINTEL SIZES

LINTEL BRICK TIES @ 600mm CTRS MIN.
2 @150mm APART AT EACH MORTARED
LINTEL JOINT. INCLUDE ENDS

- A. BRICK VENEER HEIGHT (MAXIMUM WALL
HEIGHT 10.0m)
- B. LAP (200mm MIN.)
- C. OPENING
- D. LENGTH OF WHOLE LINTEL (2400mm)
- E. LENGTH OF PARTIAL LINTEL

LINTEL LENGTH CALCULATION

OPENING + (2xB) = OVERALL LINTEL LENGTH
OVERALL LINTEL LENGTH - D + E
 $E / 2 = \frac{1}{2} E$

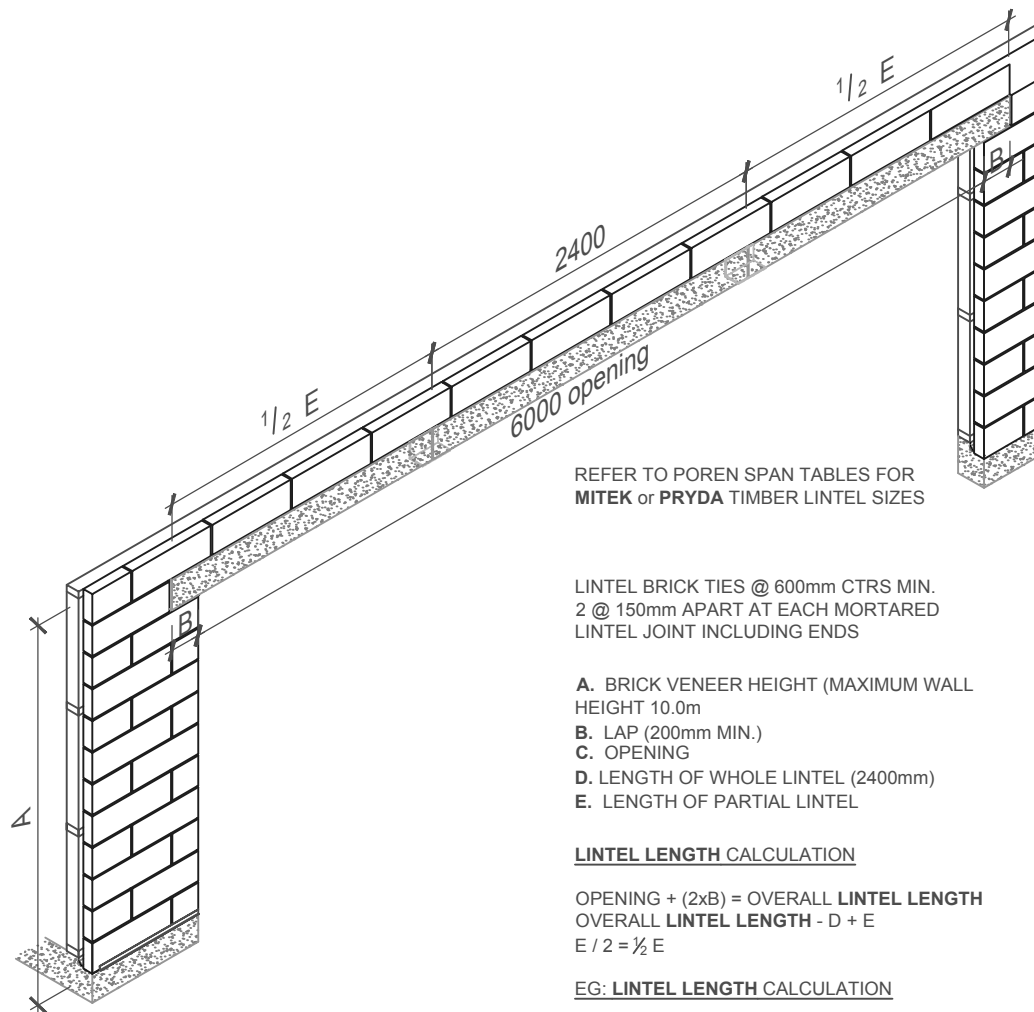
EG: LINTEL LENGTH CALCULATION

4000mm + (2x200) = 4400mm
4400mm - 2400mm = 2000mm
2000 / 2 = 1000mm

SCALE 1:50

| | | |
|---------------------|---|--------------------|
| STO BRICK SYSTEM | STO PBRICK SYSTEM LINTEL OPENING (supported) - OPT 1 | PB 306 2019 |
|---------------------|---|--------------------|

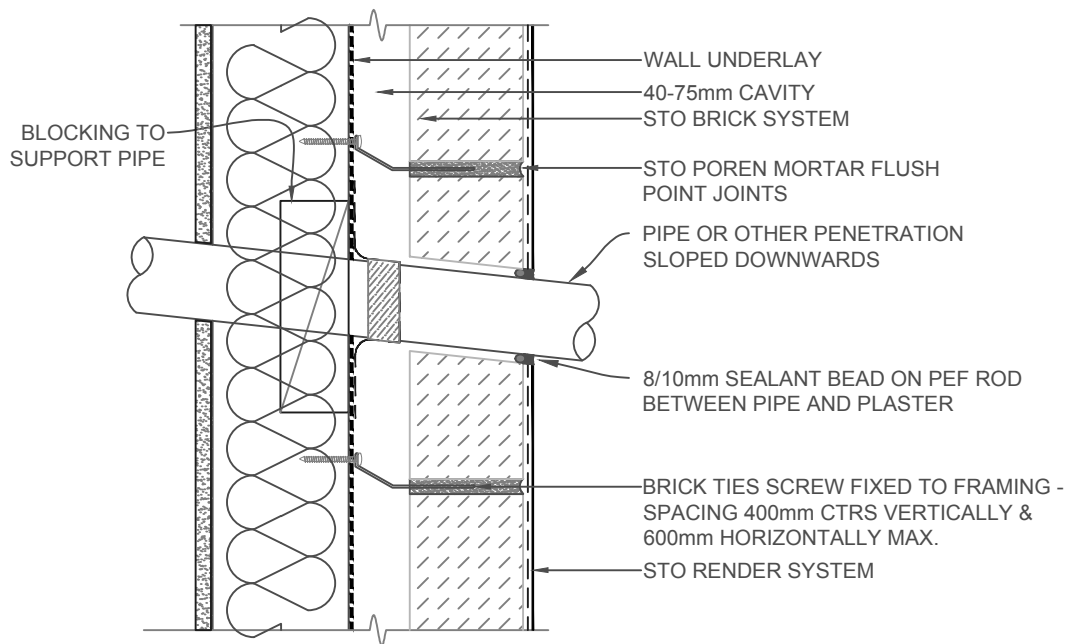
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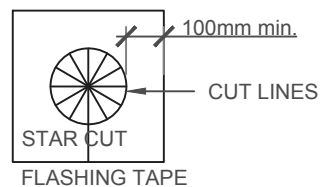
SCALE 1:50

| | | |
|---------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM LINTEL OPENING (supported) - OPT 2 | PB 307 |
| | | 2019 |

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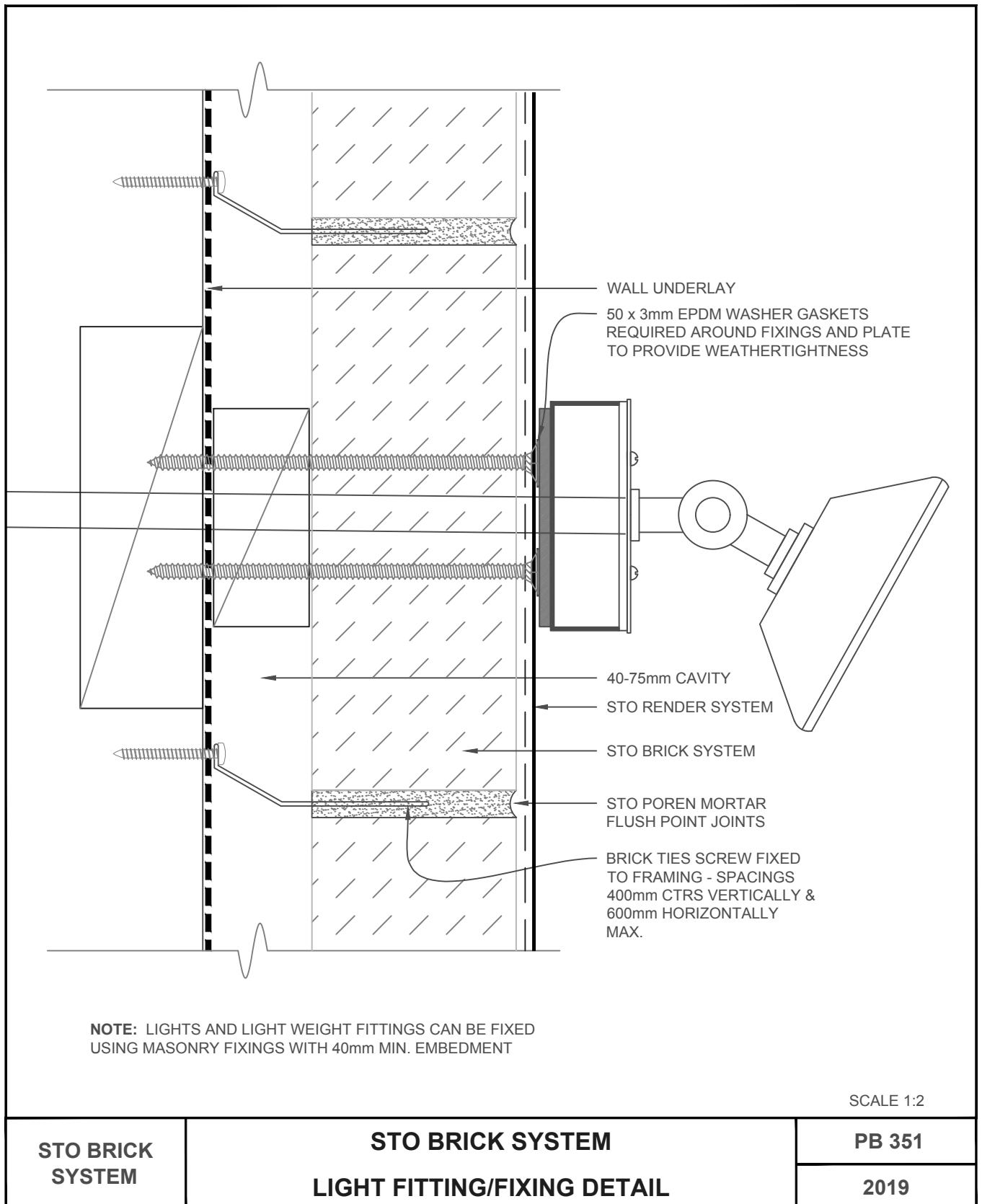
NOTE: INSTALL FLASHING TAPE WITH 100mm CLEARANCE AROUND PIPE ONTO WALL UNDERLAY AND WRAP 25mm ROUND PIPE.
WHERE MIN 75mm BLOCKING SUPPORTS THE WALL UNDERLAY ALL AROUND THE PENETRATION THE FLASHING TAPE CAN BE OMITTED BUT A FACE FIXED EXTERIOR FLANGE WITH SEALANT IS REQUIRED AS PER E2/AS1 FIG.68

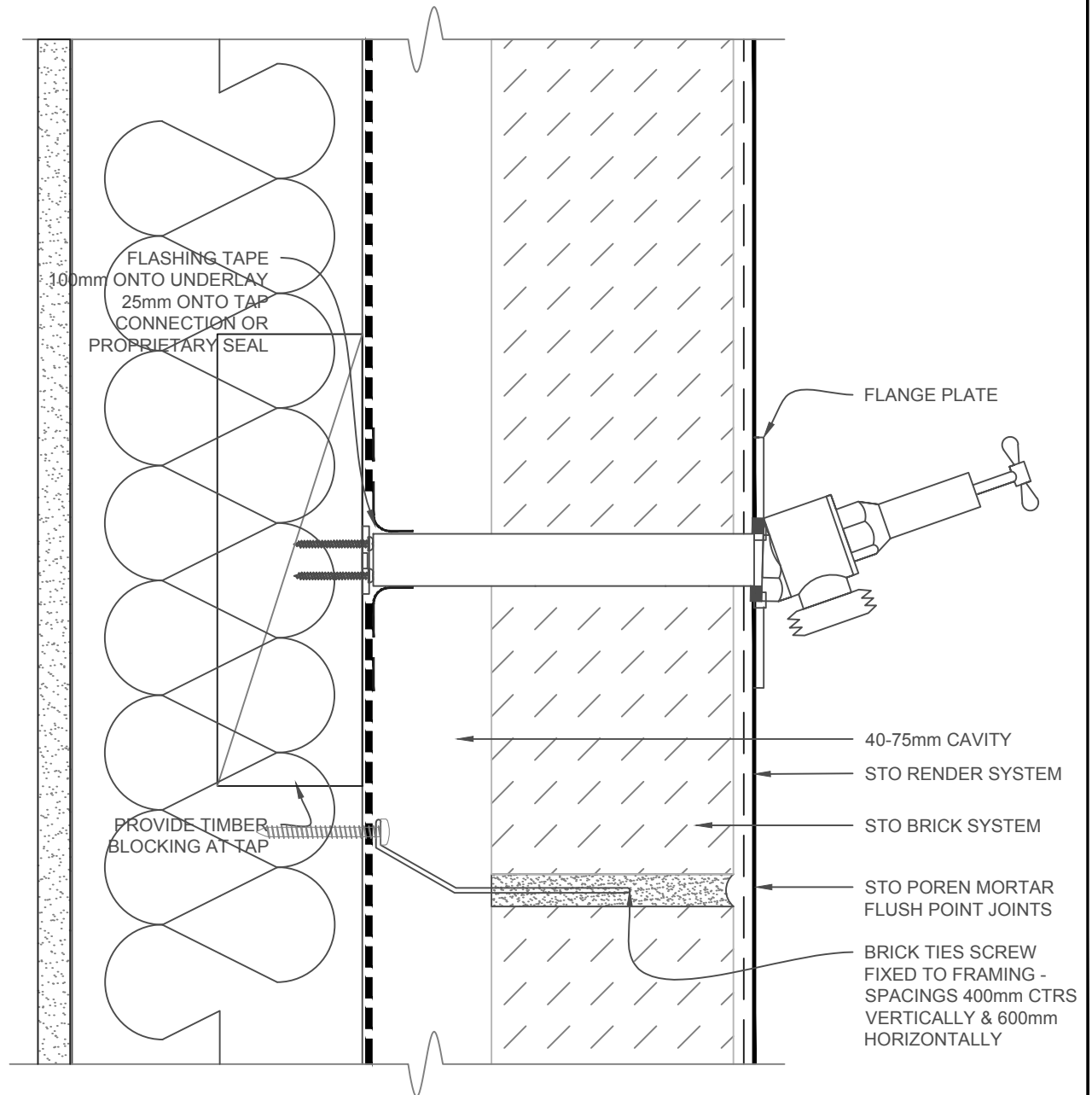


SCALE 1:5

| | | |
|-----------------------------|---|---------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM PIPE PENETRATION DETAIL | PB 350 |
| | | 2019 |

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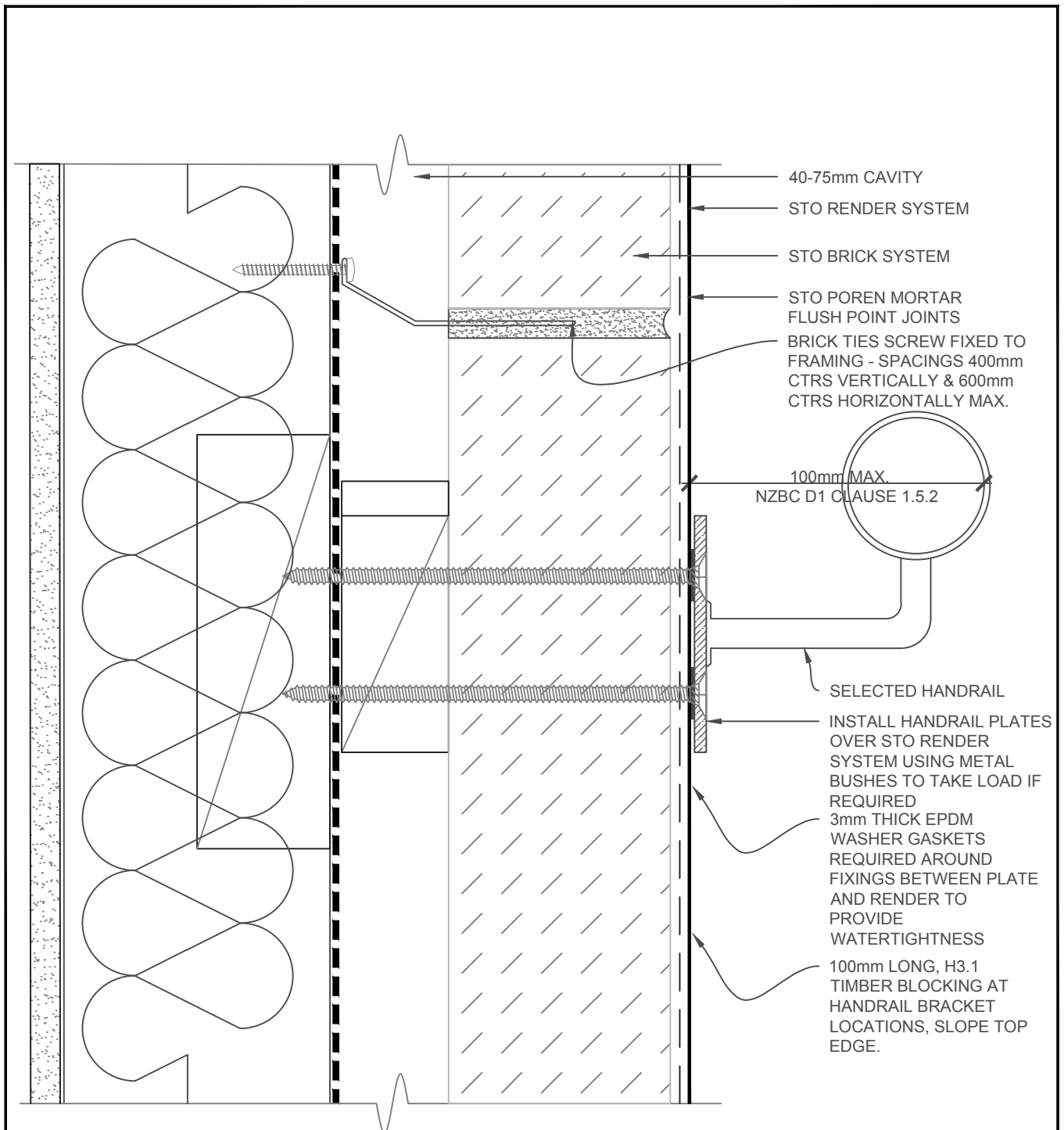




SCALE 1:2

| | | |
|------------------------------------|--|---|
| <p>STO BRICK SYSTEM</p> | <p>STO BRICK SYSTEM TAP FITTING/FIXING DETAIL</p> | <p>PB 352</p> <p>2019</p> |
|------------------------------------|--|---|

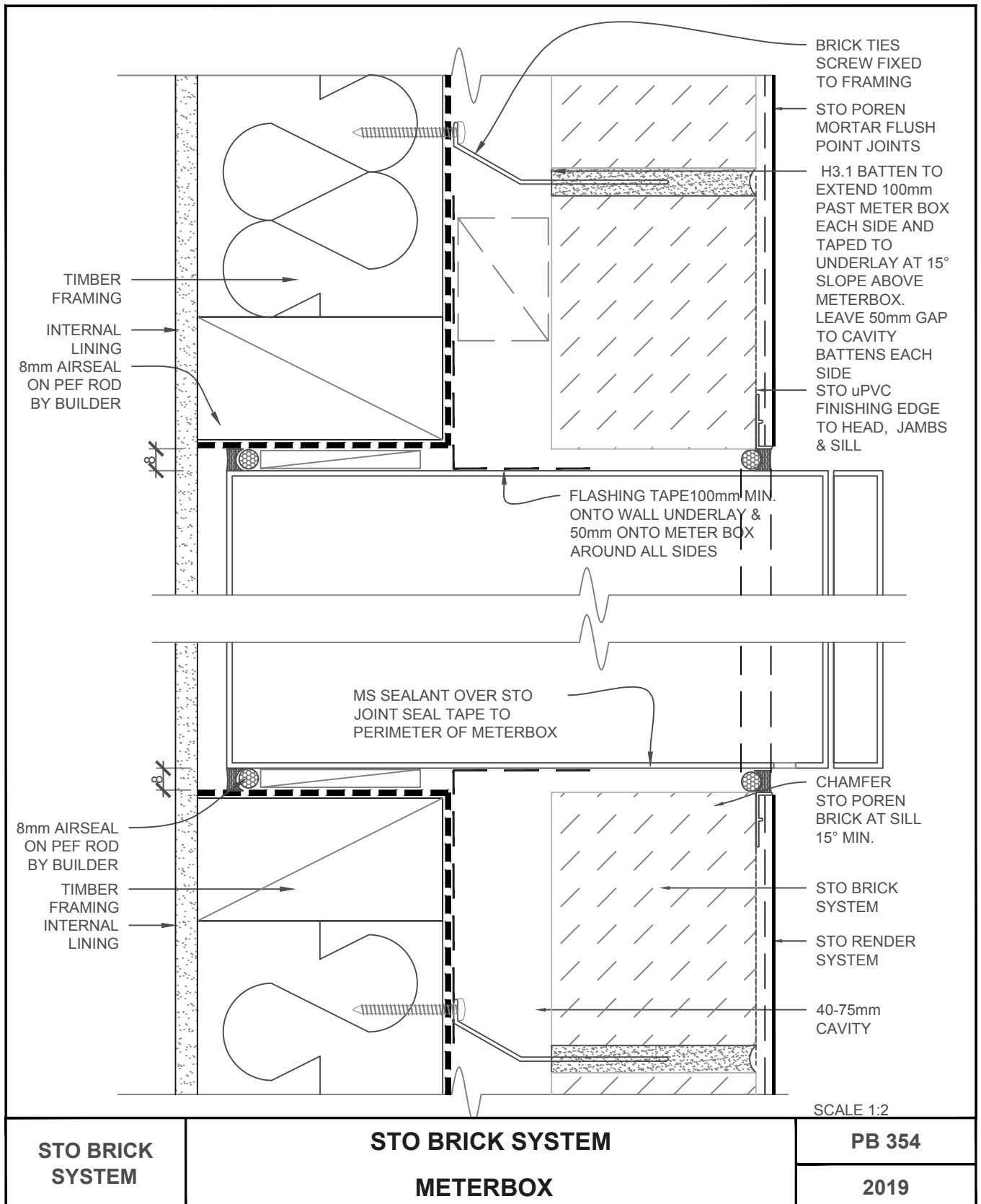
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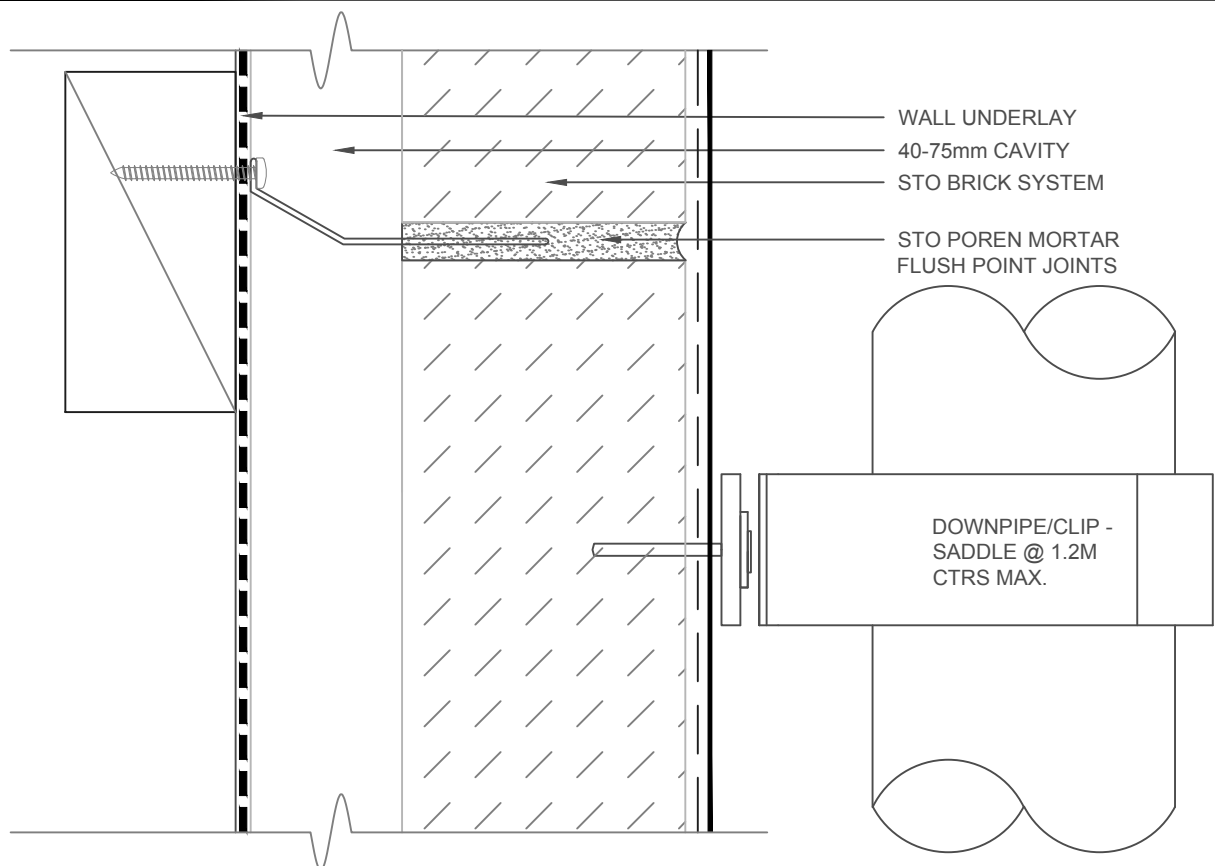
SCALE 1:2

| | | |
|---------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM HANDRAIL BRACKET/FIXING DETAIL | PB 353 |
| | | 2019 |

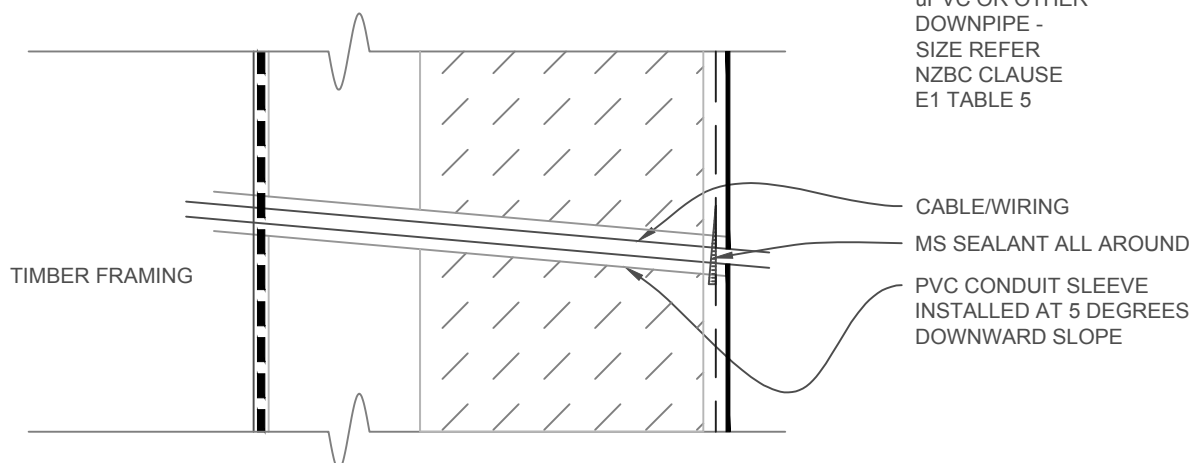
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1. DOWNPIPE/CLIP - SADDLE DETAIL



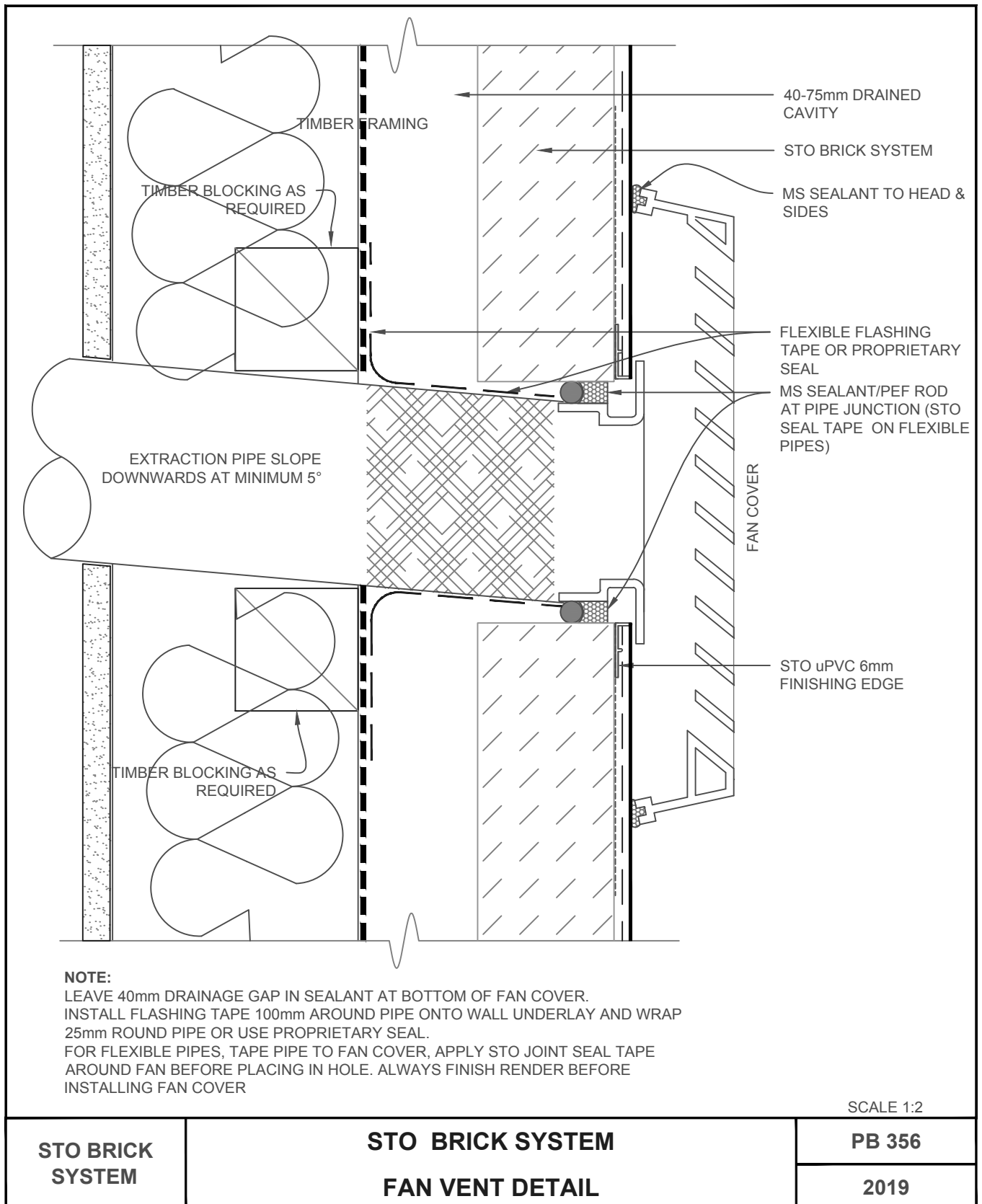
2. WIRING PENETRATION DETAIL

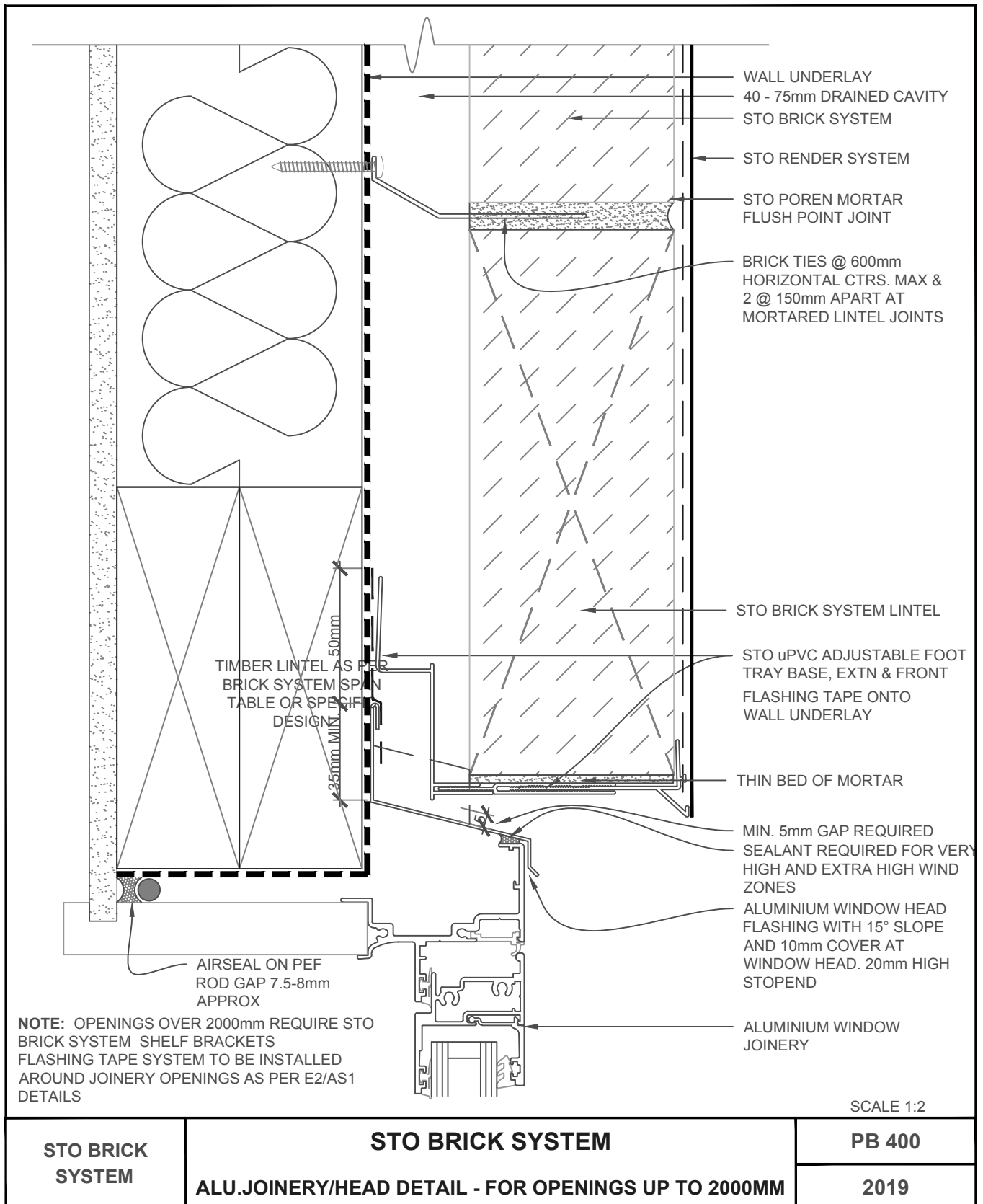
NOTE: ENSURE THE AMOUNT OF PENETRATIONS THROUGH THE SYSTEM IS KEPT TO A MINIMUM. THE WEATHERSEALING OF ALL WIRING, ETC AS SHOWN, IS THE RESPONSIBILITY OF THE APPLICABLE TRADE

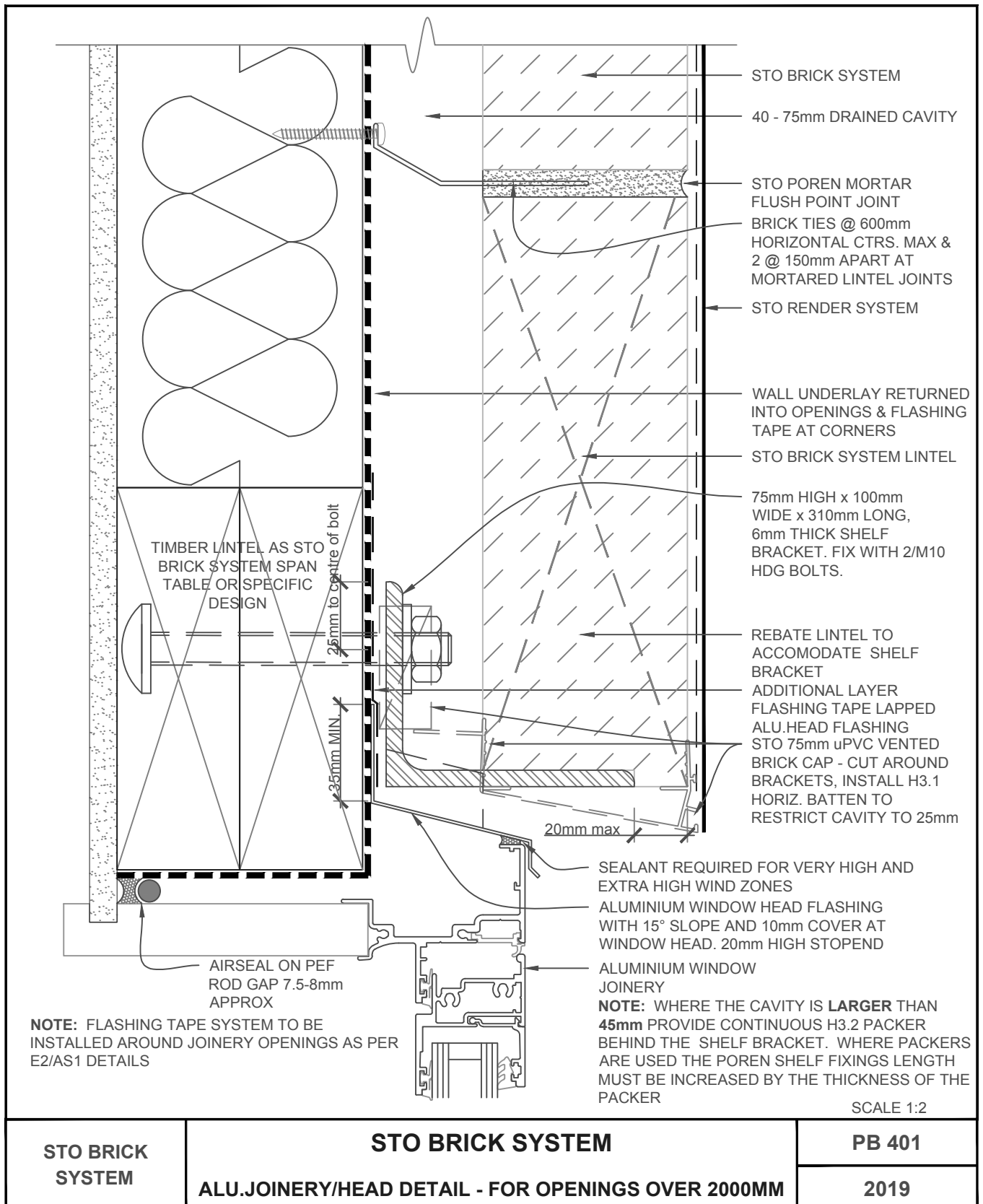
SCALE 1:2

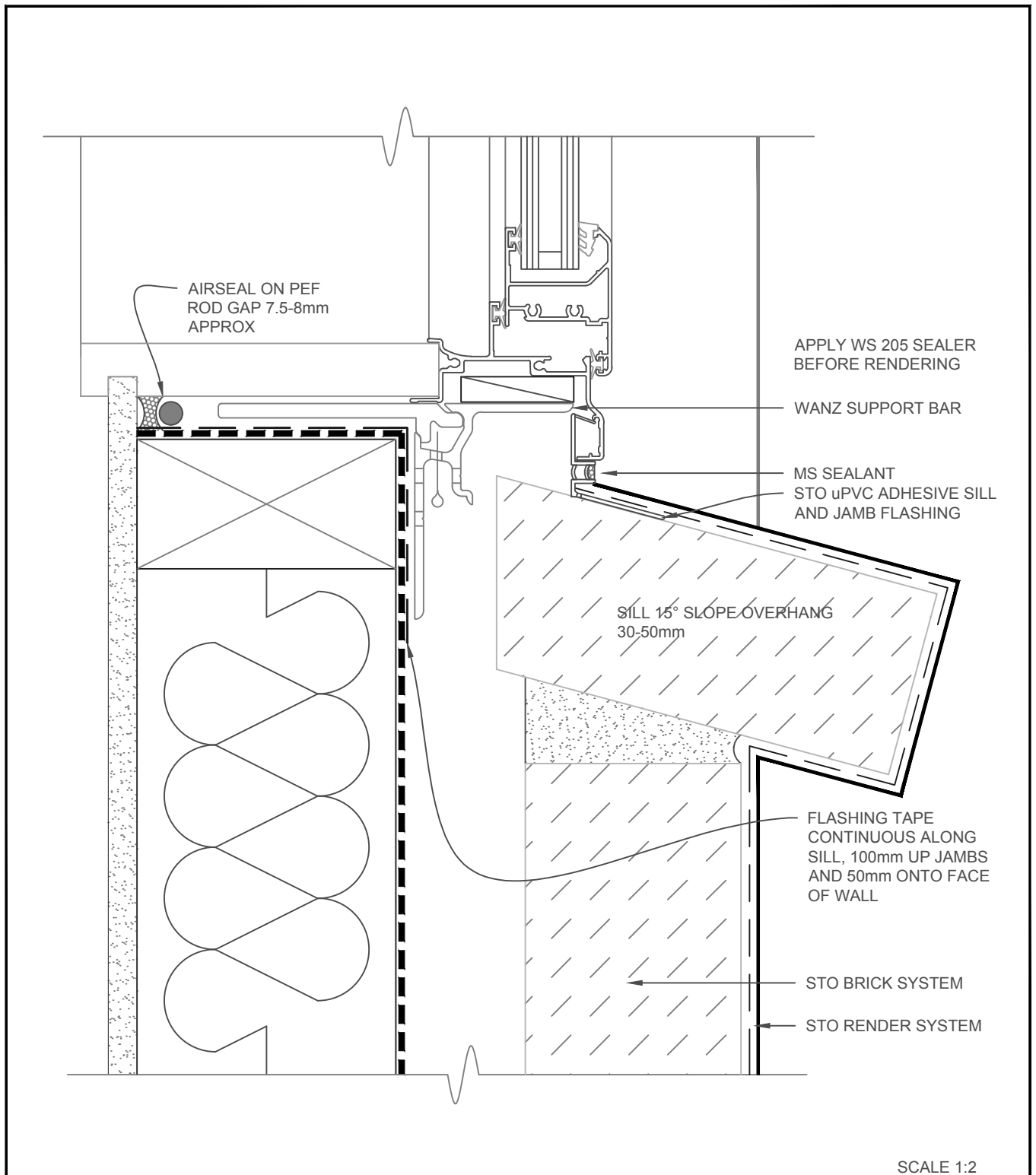
| | | |
|-----------------------------|---|----------------------------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM DOWNPIPE SADDLE FIXING & WIRING DETAILS | PB 355 2019 |
|-----------------------------|---|----------------------------------|

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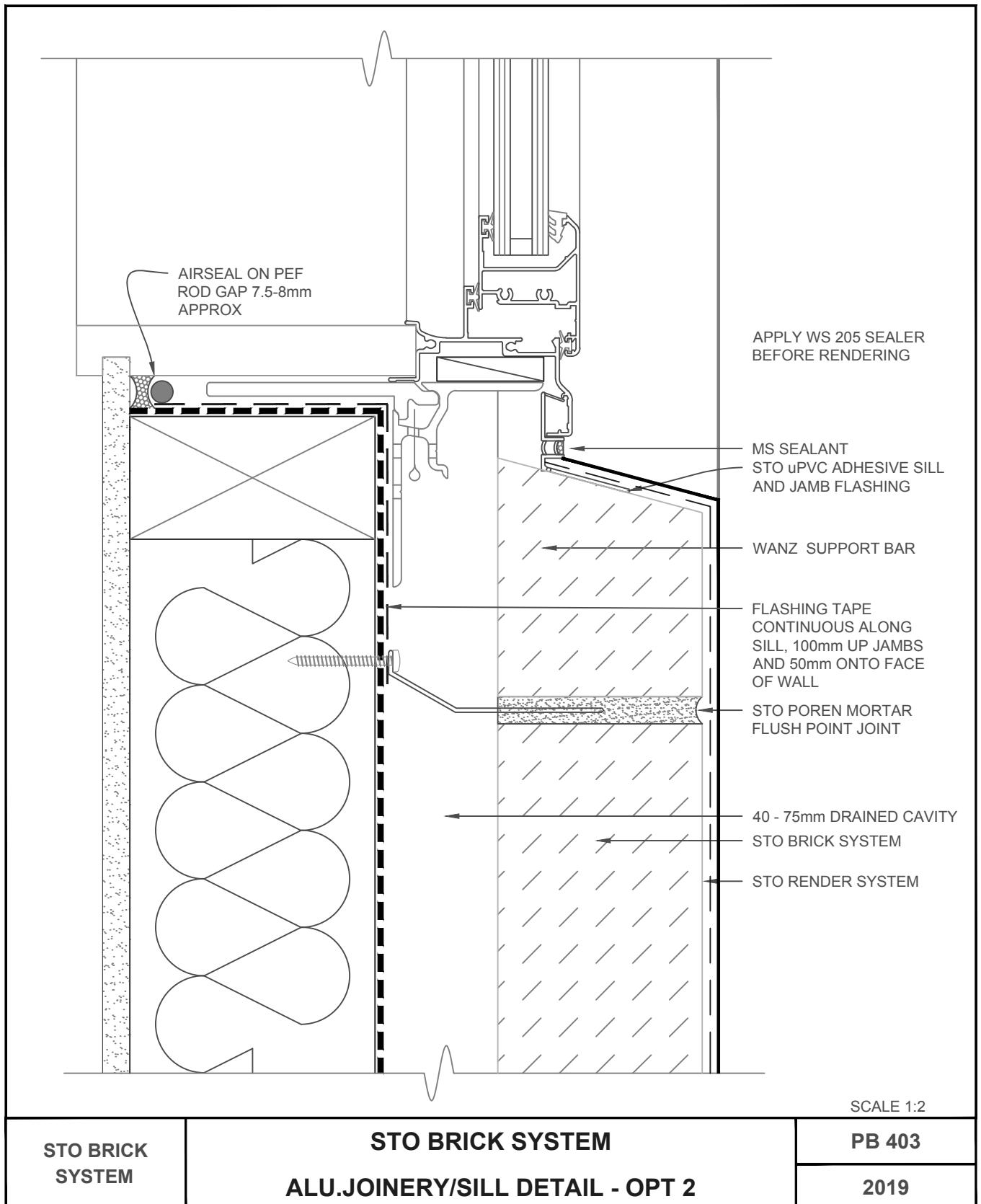




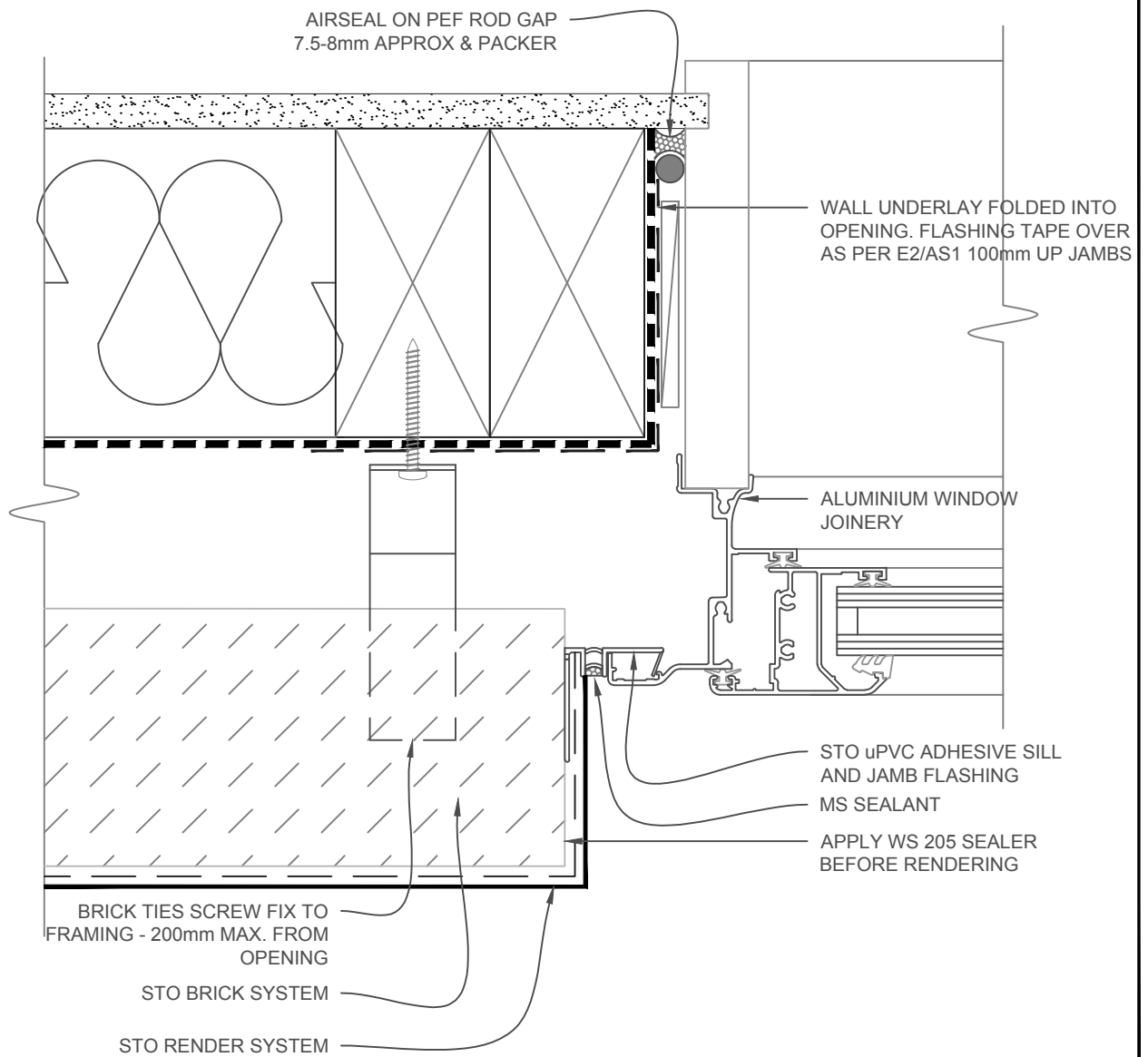


| | | |
|---------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM ALU.JOINERY/SILL DETAIL - OPT 1 | PB 402 |
| | | 2019 |

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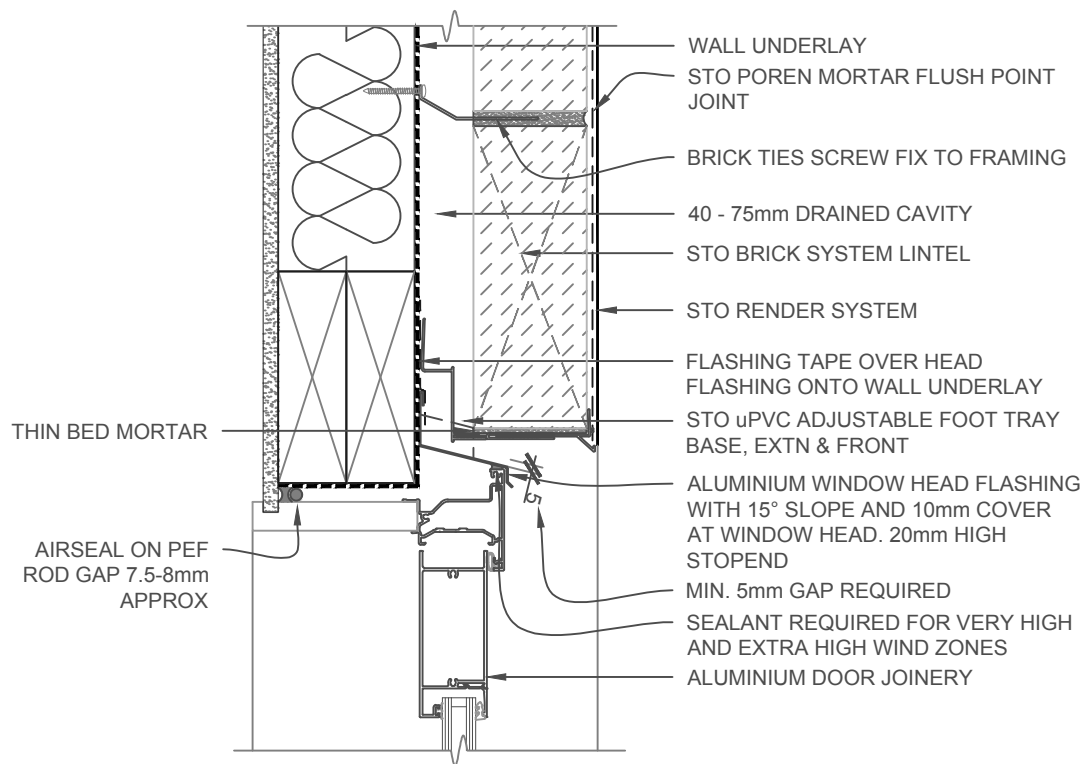


NOTE: STO uPVC JOINERY FLASHING TO BE INSTALLED DURING STO BRICK SYSTEM CONSTRUCTION

SCALE 1:2

| | | |
|------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM ALU.JOINERY/JAMB DETAIL | PB 404 |
| | | 2019 |

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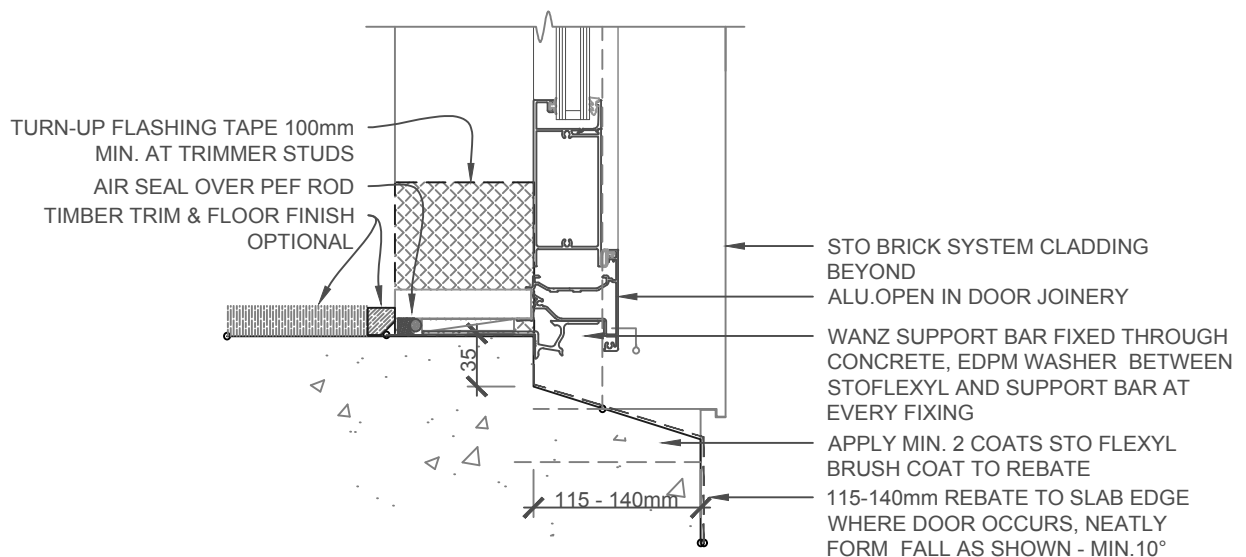


NOTE: OPENINGS OVER 2000mm
 REQUIRE STO BRICK SYSTEM
 SHELF BRACKETS - REFER DWG PB
 401

SCALE 1:5

| | | |
|---------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM ENTRY DOOR HEAD DETAIL | PB 405 |
| | | 2019 |

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SCALE 1:5

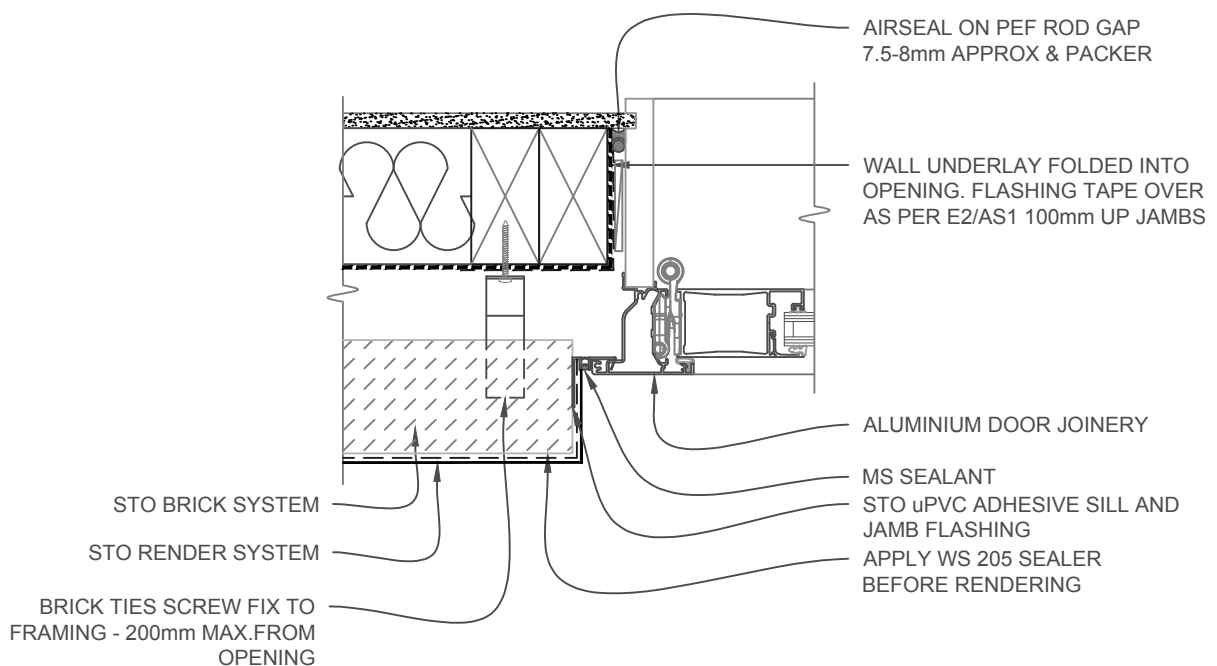
**STO BRICK
SYSTEM**

**STO BRICK SYSTEM
ENTRY DOOR THRESHOLD DETAIL**

PB 406

2019

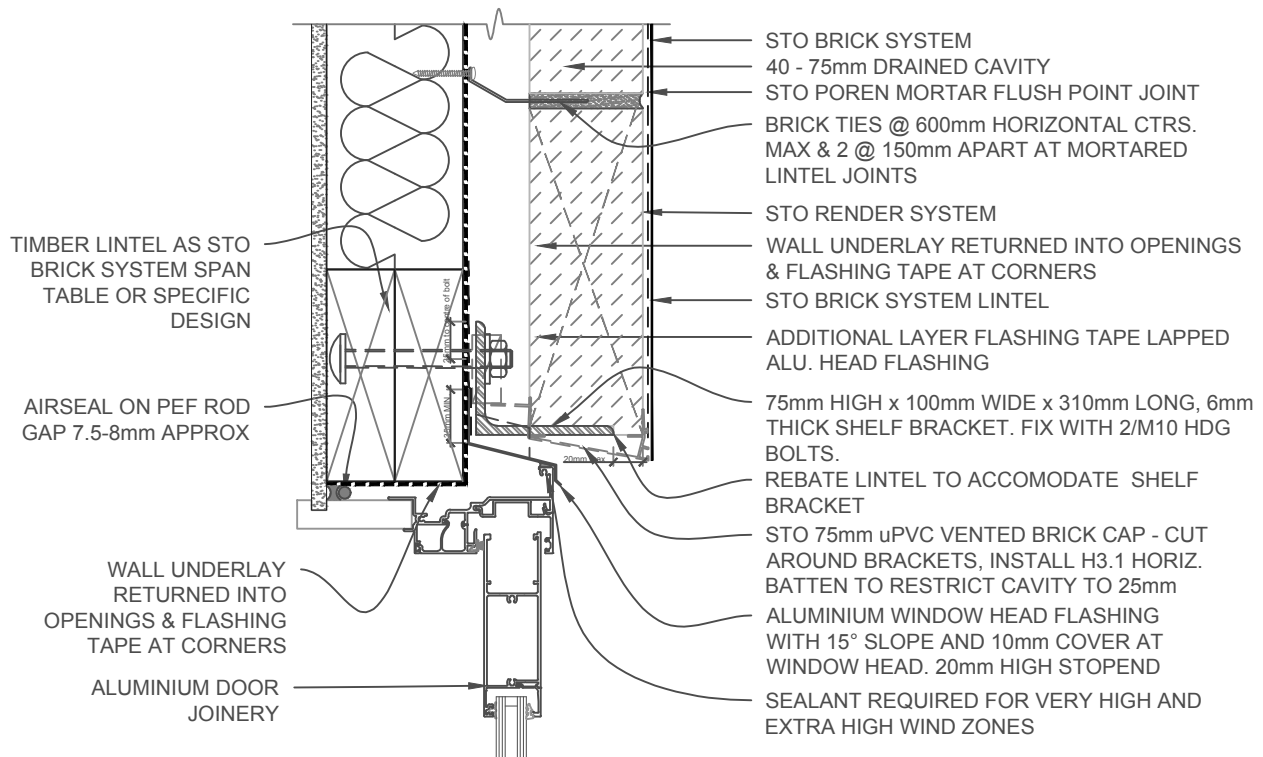
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NOTE: STO uPVC JOINERY FLASHING TO BE INSTALLED DURING STO BRICK SYSTEM CONSTRUCTION

SCALE 1:5

| | | |
|------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM ENTRY DOOR JAMB DETAIL | PB 407 |
| | | 2019 |



NOTE: FLASHING TAPE SYSTEM TO BE INSTALLED AROUND JOINERY OPENINGS AS PER E2/AS1 DETAILS

NOTE: WHERE THE CAVITY IS **LARGER** THAN **45mm** PROVIDE H3.2 PACKER BEHIND THE STO BRICK SYSTEM SHELF BRACKET. WHERE PACKERS ARE USED THE SHELF FIXINGS LENGTH MUST BE INCREASED BY THE THICKNESS OF THE PACKER

OPENINGS OVER 2000mm REQUIRE STO BRICK SYSTEM SHELF BRACKETS. REBATE BRICKS SO SHELF BRACKETS FINISH FLUSH WITH BRICK

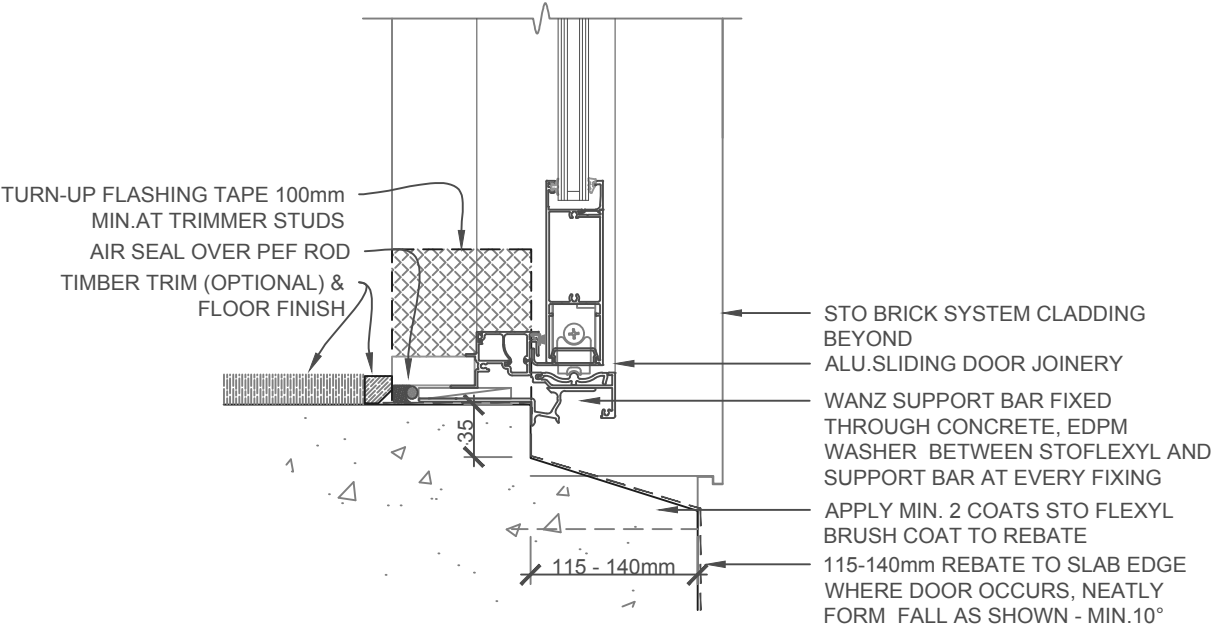
SCALE 1:5

**STO BRICK
SYSTEM**

**STO BRICK SYSTEM
SLIDING DOOR HEAD DETAIL**

PB 408

2019

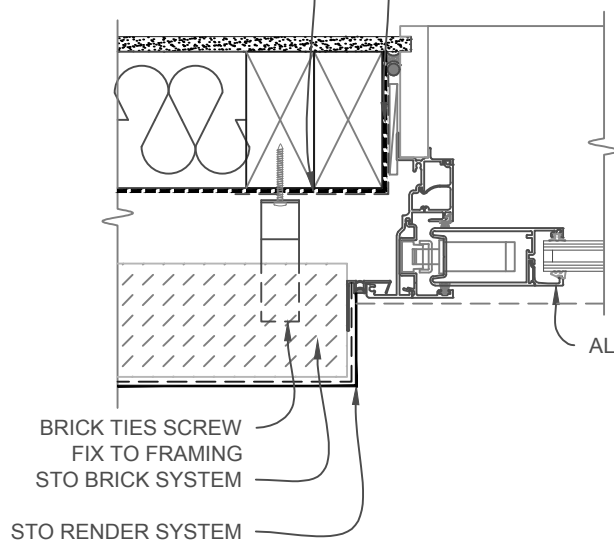


SCALE 1:5

| | | |
|----------------|---|--------|
| 2019 SYSTEM | STO BRICK SYSTEM SLIDING DOOR THRESHOLD - CONCRETE FLOOR | PB 409 |
| | | 2015 |

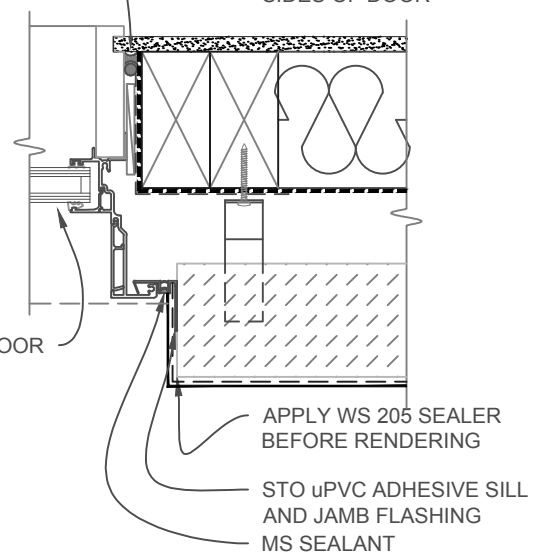
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WALL UNDERLAY FOLDED
INTO OPENING. FLASHING
TAPE OVER AS PER
E2/AS1 100mm UP JAMBS



ALUMINIUM DOOR
JOINERY

AIRSEAL ON PEF
BACKING ROD TO ALL
SIDES OF DOOR



NOTE: STO uPVC JOINERY FLASHING TO BE INSTALLED
DURING STO BRICK SYSTEM CONSTRUCTION

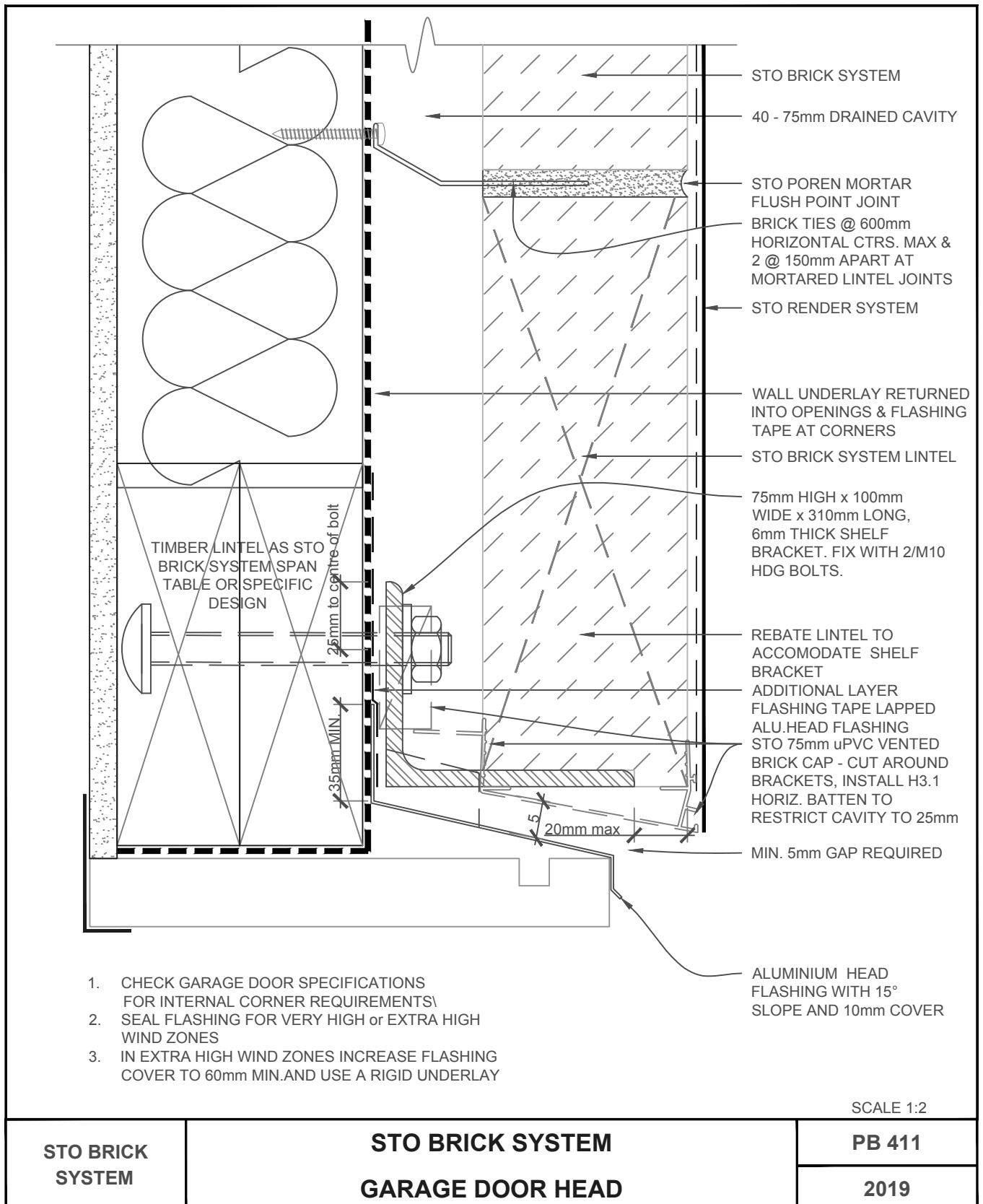
SCALE 1:5

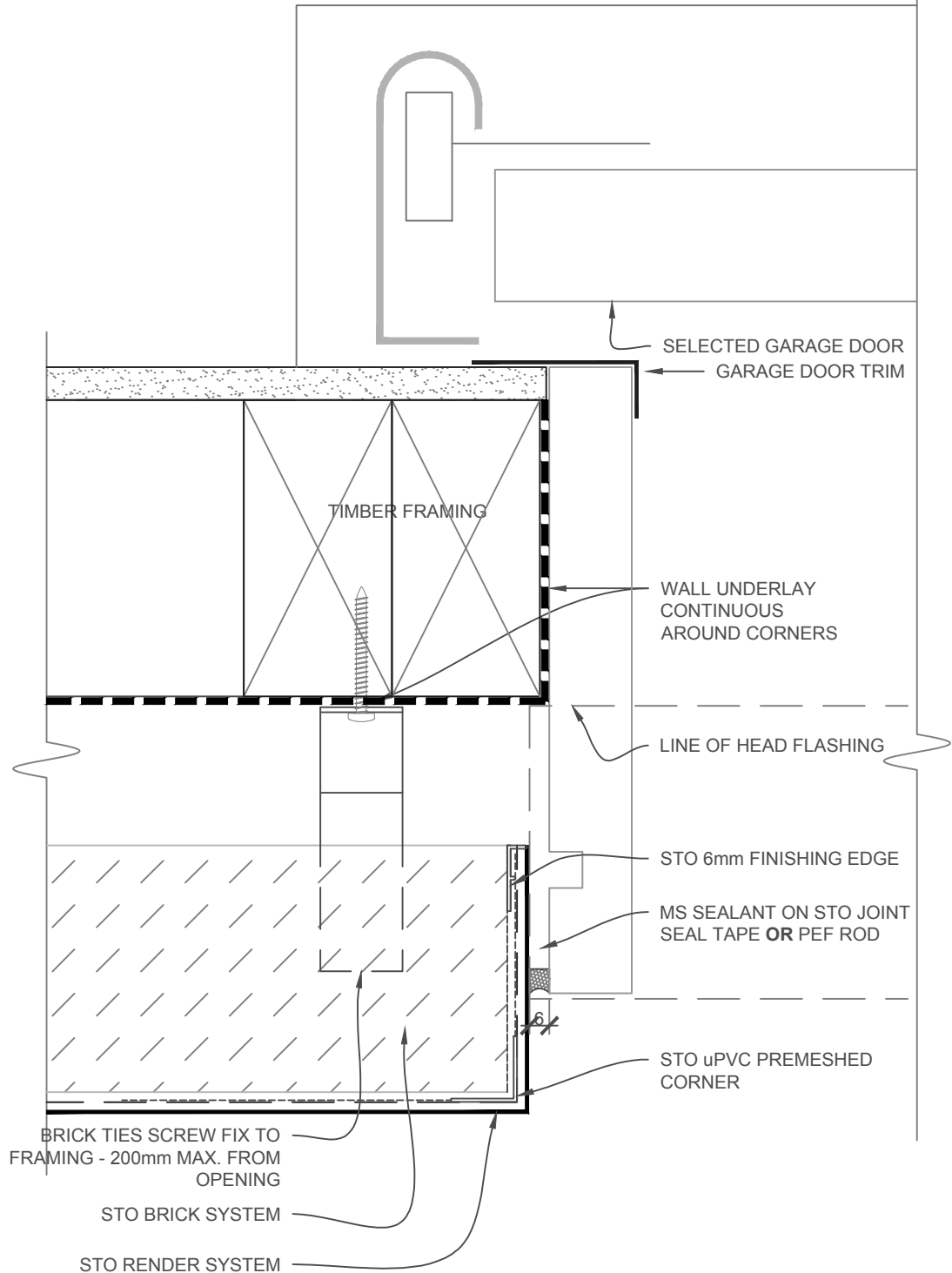
**STO BRICK
SYSTEM**

**STO BRICK SYSTEM
SLIDING DOOR JAMB DETAIL**

PB 410

2019



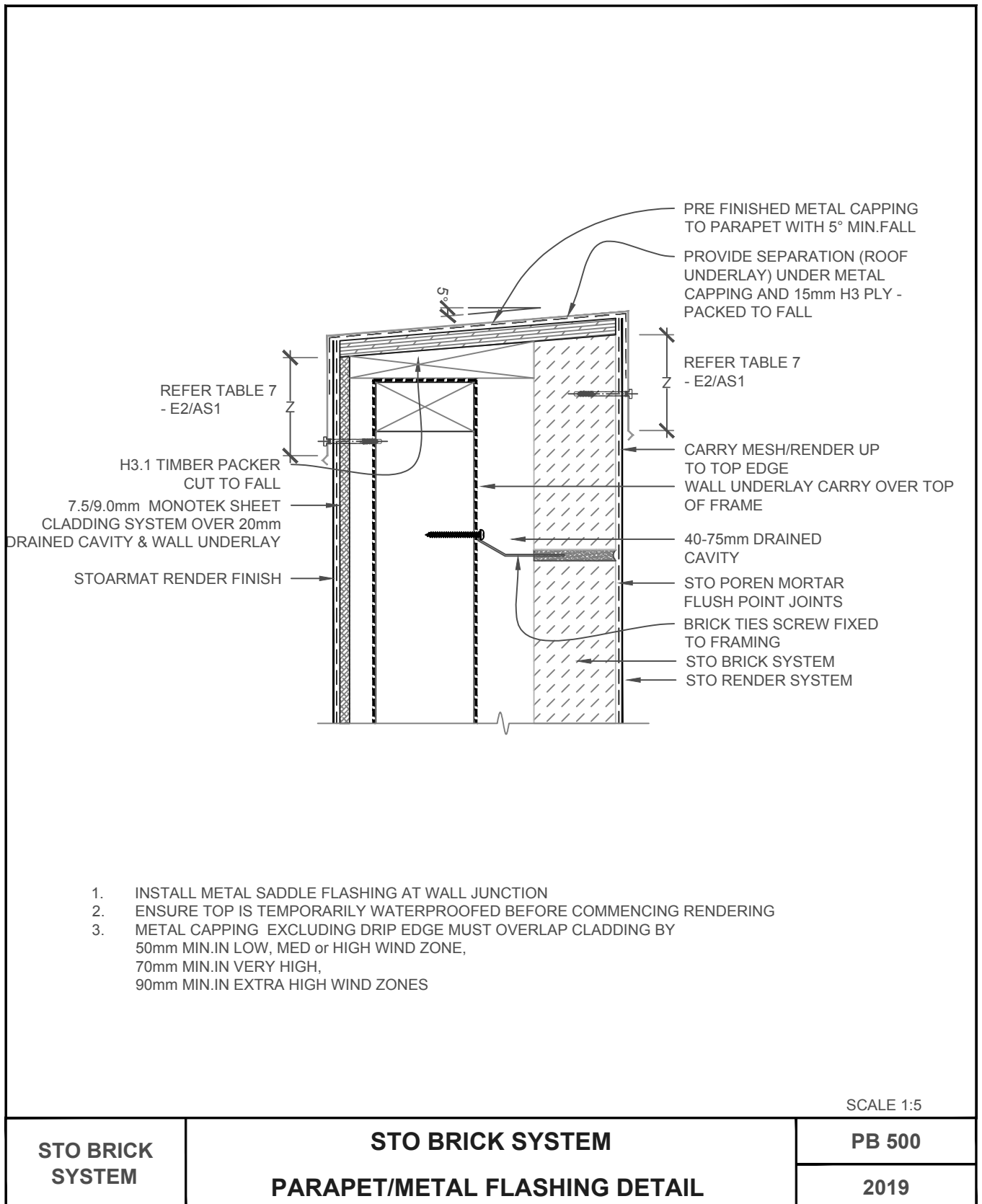


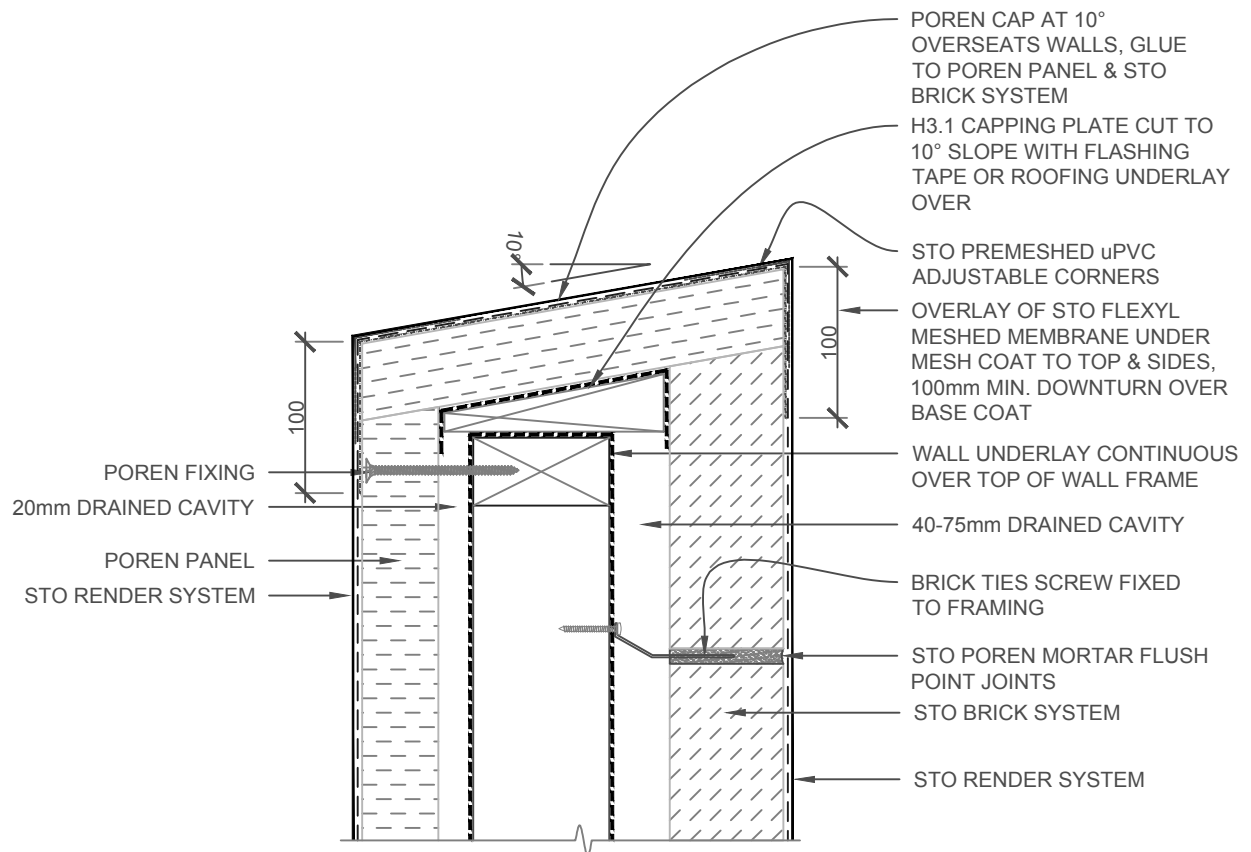
**STO BRICK
SYSTEM**

**STO BRICK SYSTEM
GARAGE DOOR JAMB**

PB 412

2019



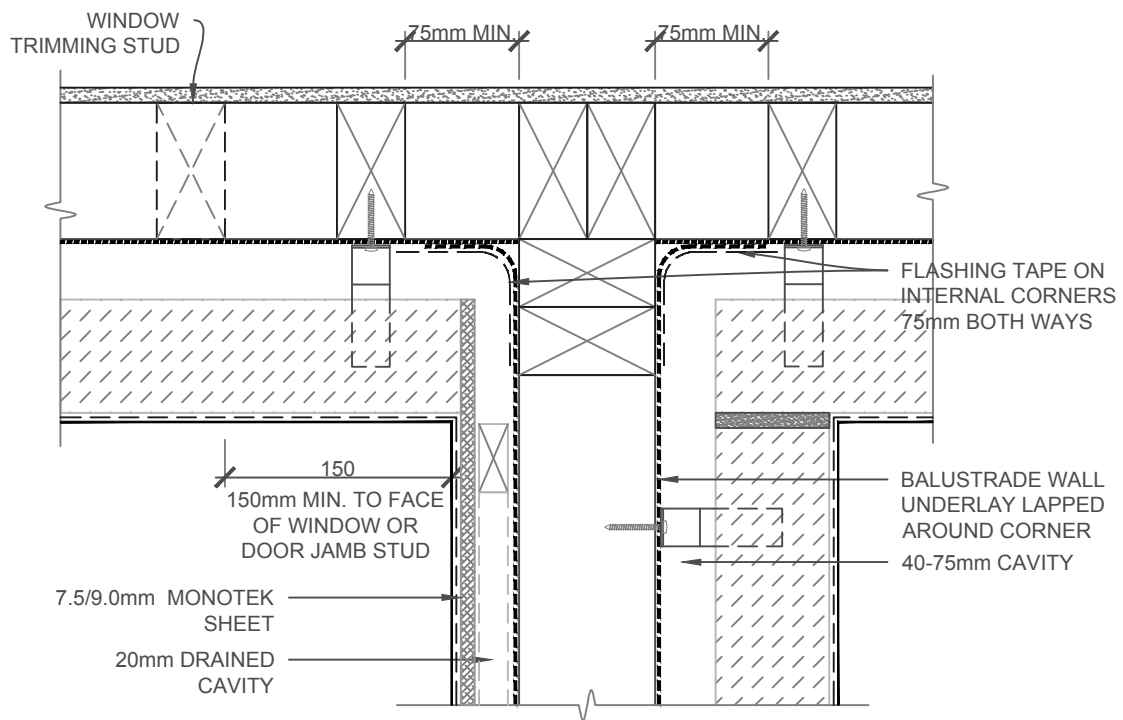


NOTE:
 STO FLEXYL MESHED WATERPROOFING MEMBRANE HAS BEEN TESTED BY **BRANZ** TO MEET THE REQUIREMENTS OF **AS/NZS 4858** AS REQUIRED BY E2/AS1 FOR WATERPROOF MEMBRANES USED WITH EXTERIOR RENDER SYSTEMS.
 WHEN STOMIRAL RENDER SYSTEM USED, STO FLEXYL MESHED WATERPROOFING MEMBRANE IS USED DIRECTLY OVER THE PANEL.

SCALE 1:5

| | | |
|-----------------------------|---|---------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM RENDERED PARAPET DETAIL | PB 501 |
| | | 2019 |

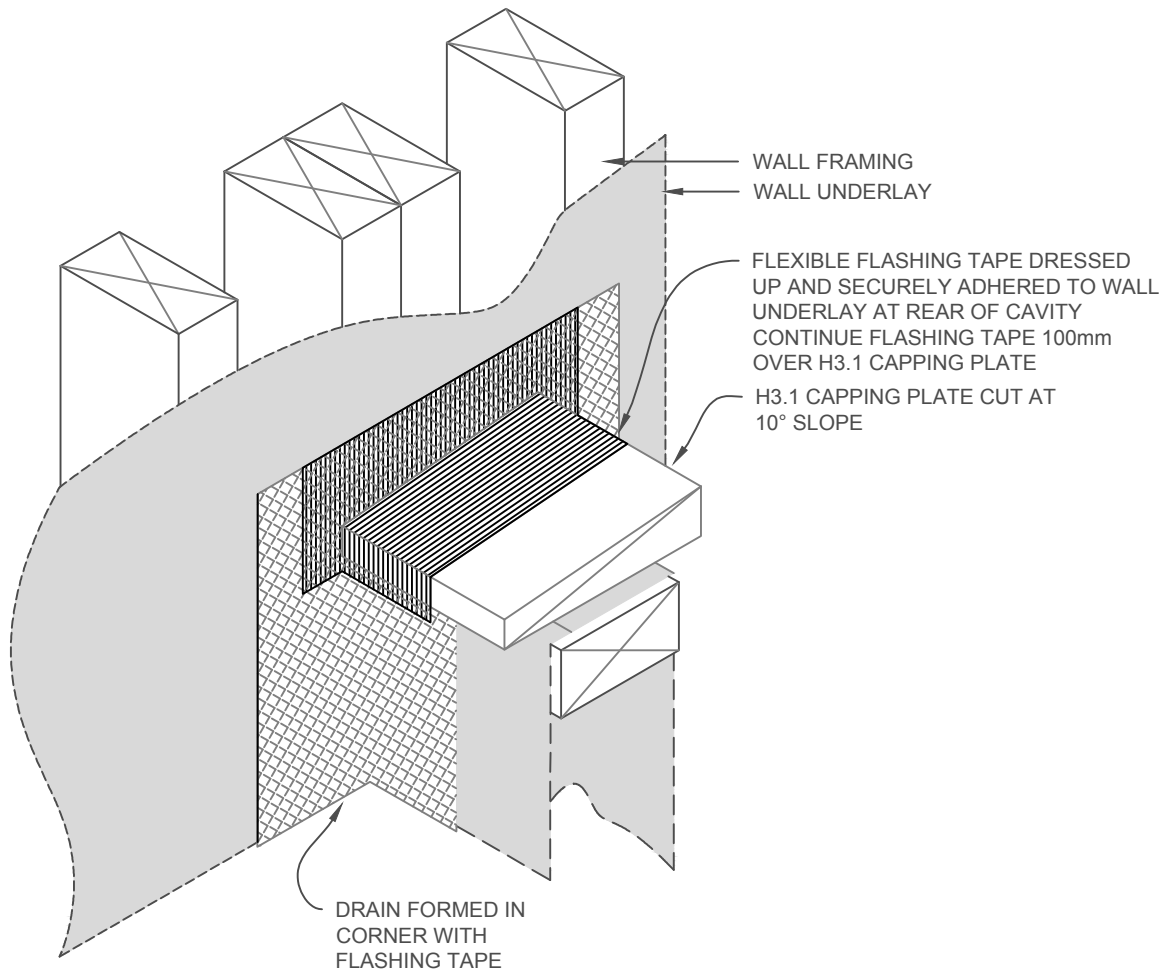
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SCALE 1:5

| | | |
|------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM PARAPET and/or ENCL.BALUSTRADE TO WALL - PLAN | PB 502 |
| | | 2019 |

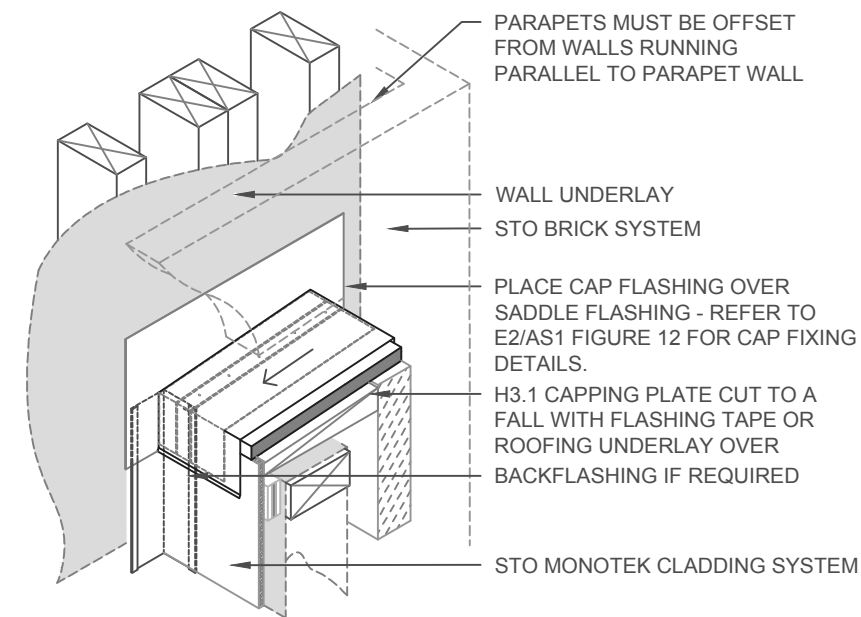
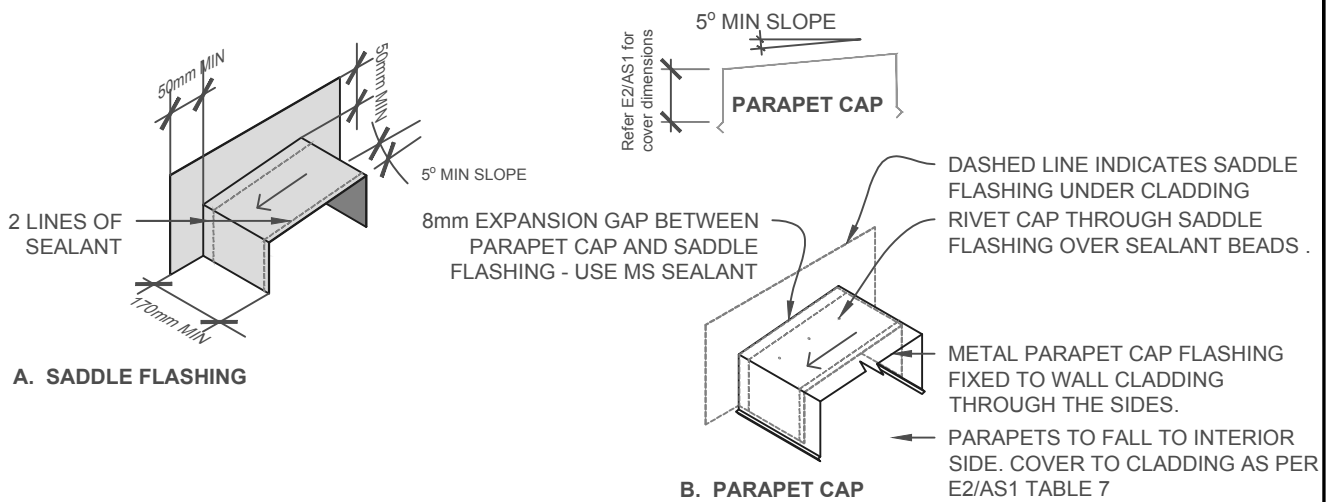
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SCALE 1:5

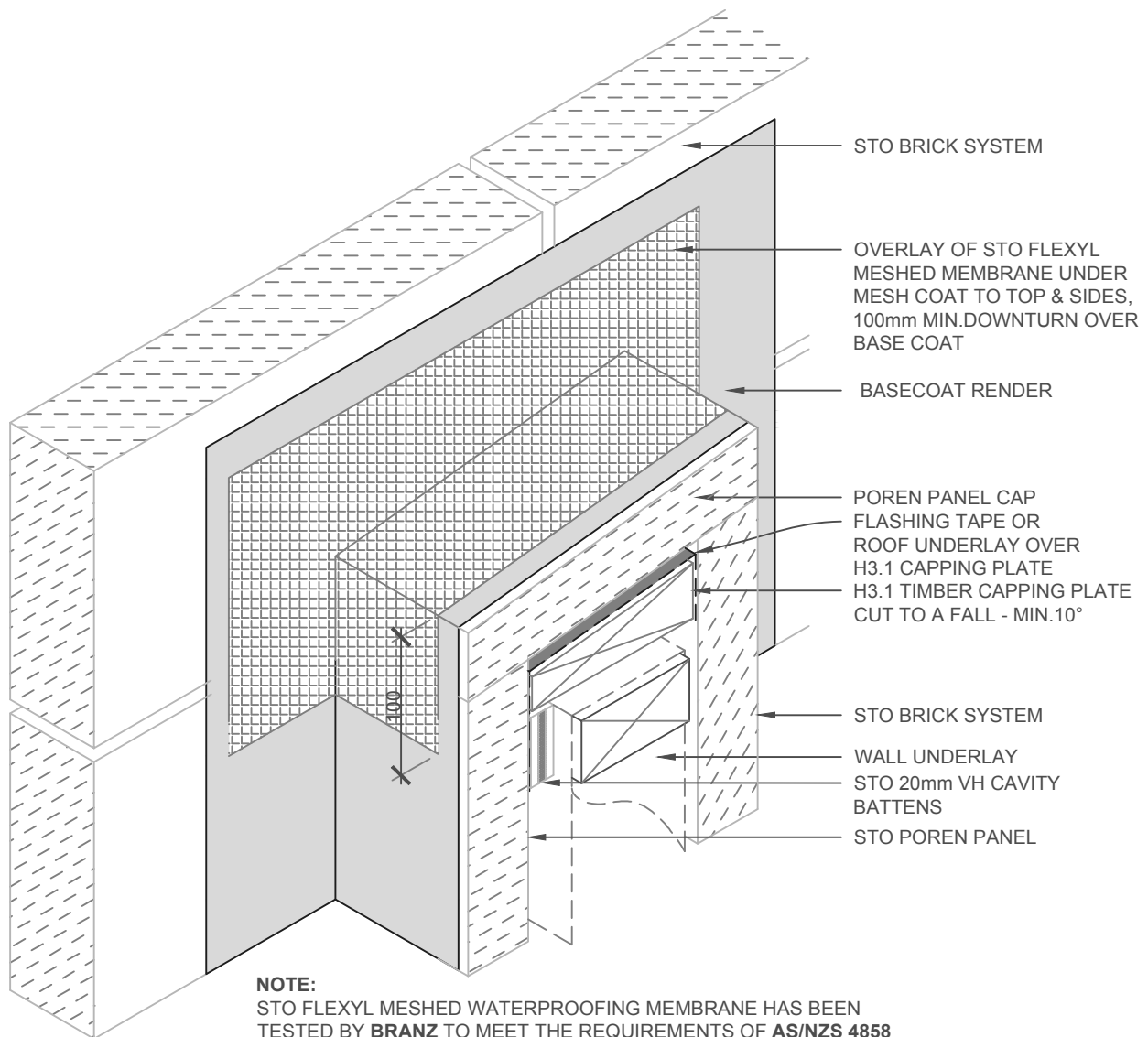
| | | |
|-----------------------------|---|---------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM FLEXIBLE FLASHING INSTALL - ISOMETRIC | PB 503 |
| | | 2019 |

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NOTE: SADDLE FLASHING INSTALLED OVER CLADDING ON PARAPET WALLS.

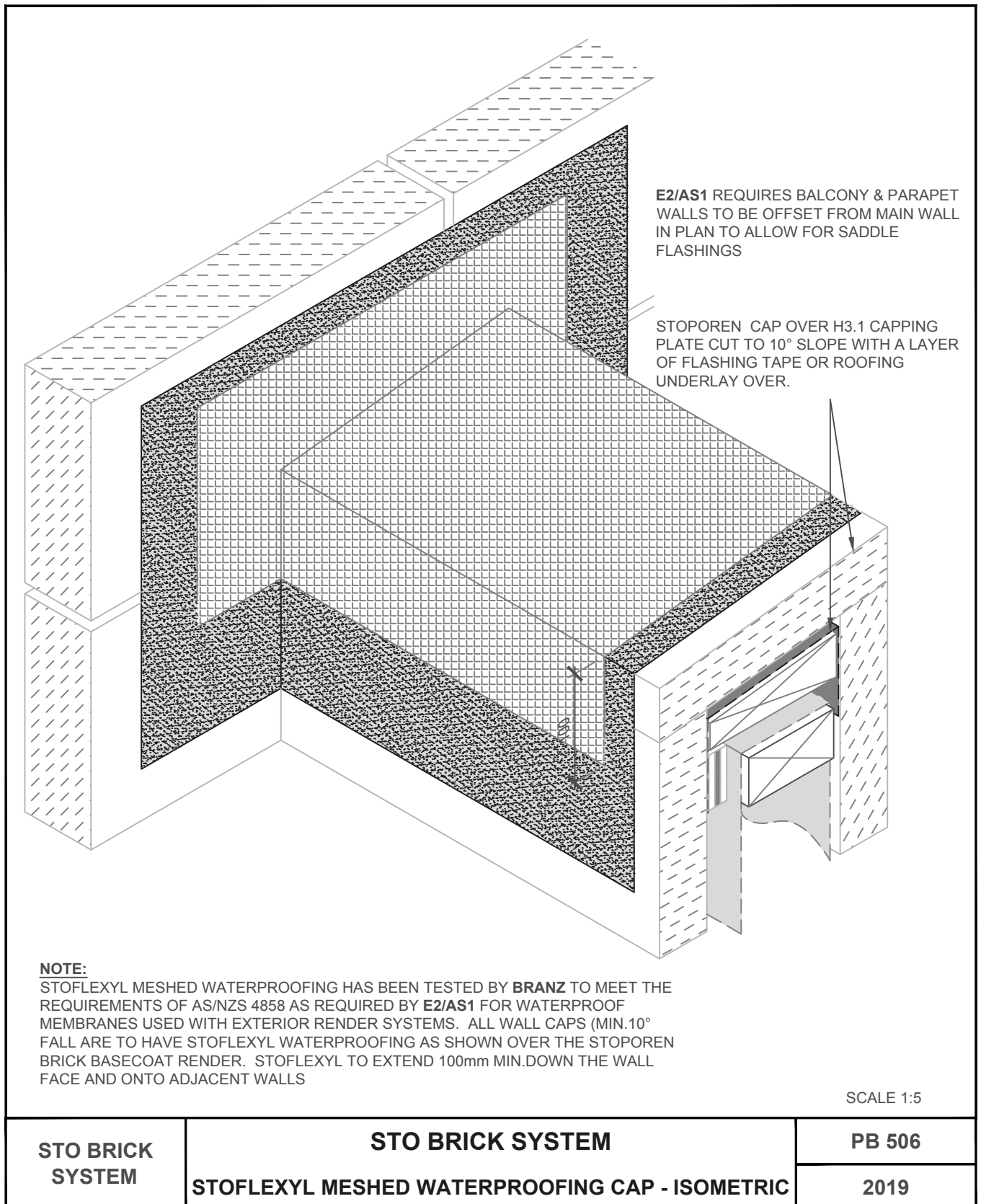
| | | |
|--------------------------------|---|---|
| <p>STO BRICK SYSTEM</p> | <p>STO BRICK SYSTEM</p> <p>PARAPET CAP INSTALLATION DETAILS</p> | <p>PB 504</p> <p>2019</p> |
|--------------------------------|---|---|



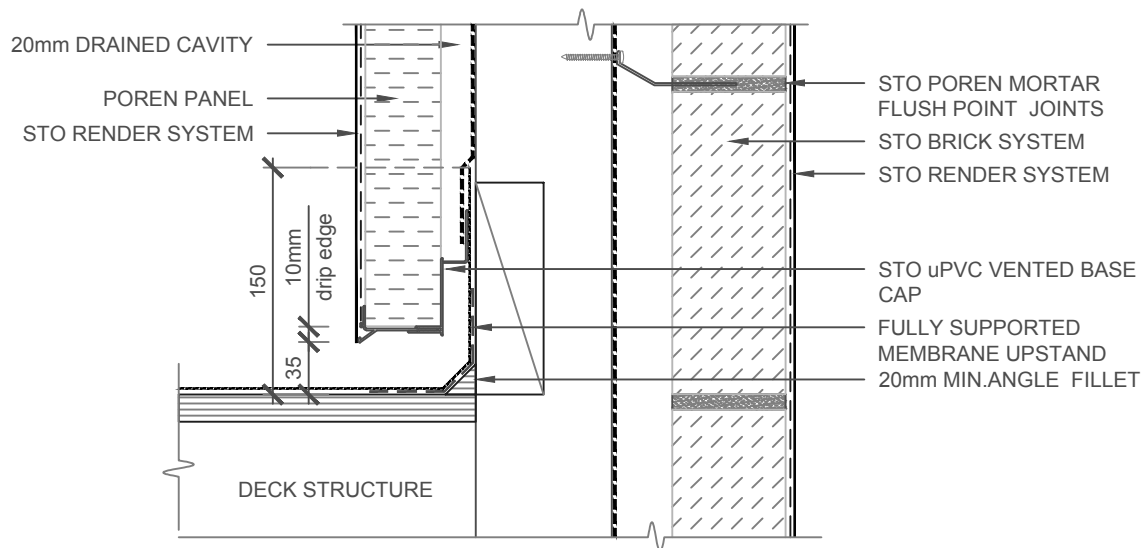
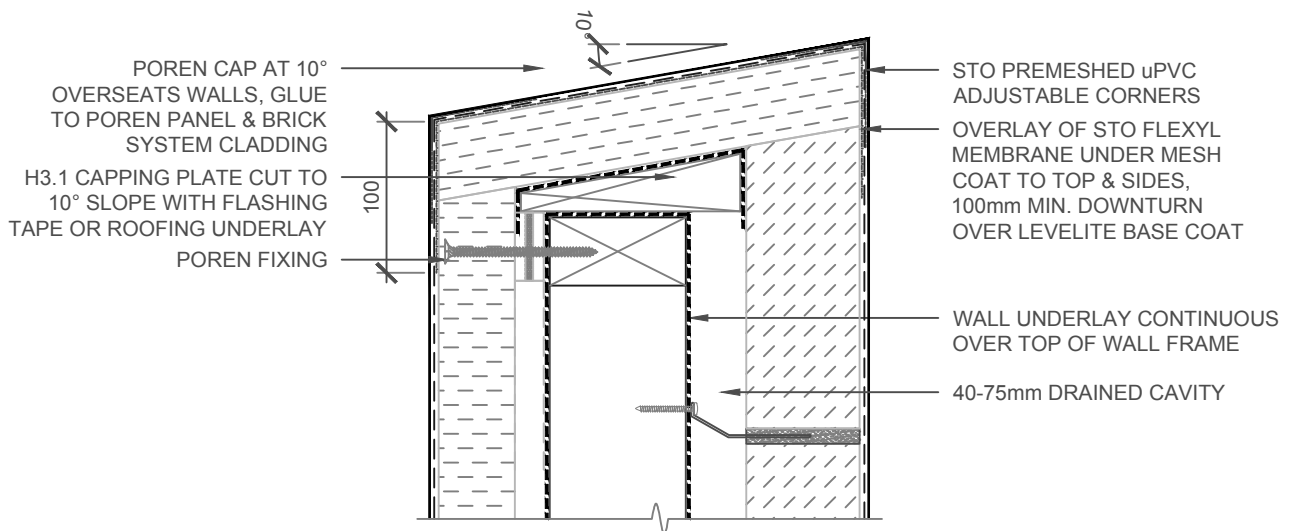
NOTE:
STO FLEXYL MESHED WATERPROOFING MEMBRANE HAS BEEN TESTED BY **BRANZ** TO MEET THE REQUIREMENTS OF **AS/NZS 4858** AS REQUIRED BY E2/AS1 FOR WATERPROOF MEMBRANES USED WITH EXTERIOR RENDER SYSTEMS.
WHEN STOMIRAL RENDER SYSTEM USED, STO FLEXYL MESHED WATERPROOFING MEMBRANE IS USED DIRECTLY OVER THE PANEL.

SCALE 1:5

| | | |
|--------------------------------|---|---|
| <p>STO BRICK SYSTEM</p> | <p>STO BRICK SYSTEM</p> <p>STOFLEXYL MESHED SADDLE FLASHING - ISOMETRIC</p> | <p>PB 505</p> <p>2019</p> |
|--------------------------------|---|---|



NOTE:
HANDRAIL REQUIRED WHERE
BALUSTRADE IS UNDER 1000mm

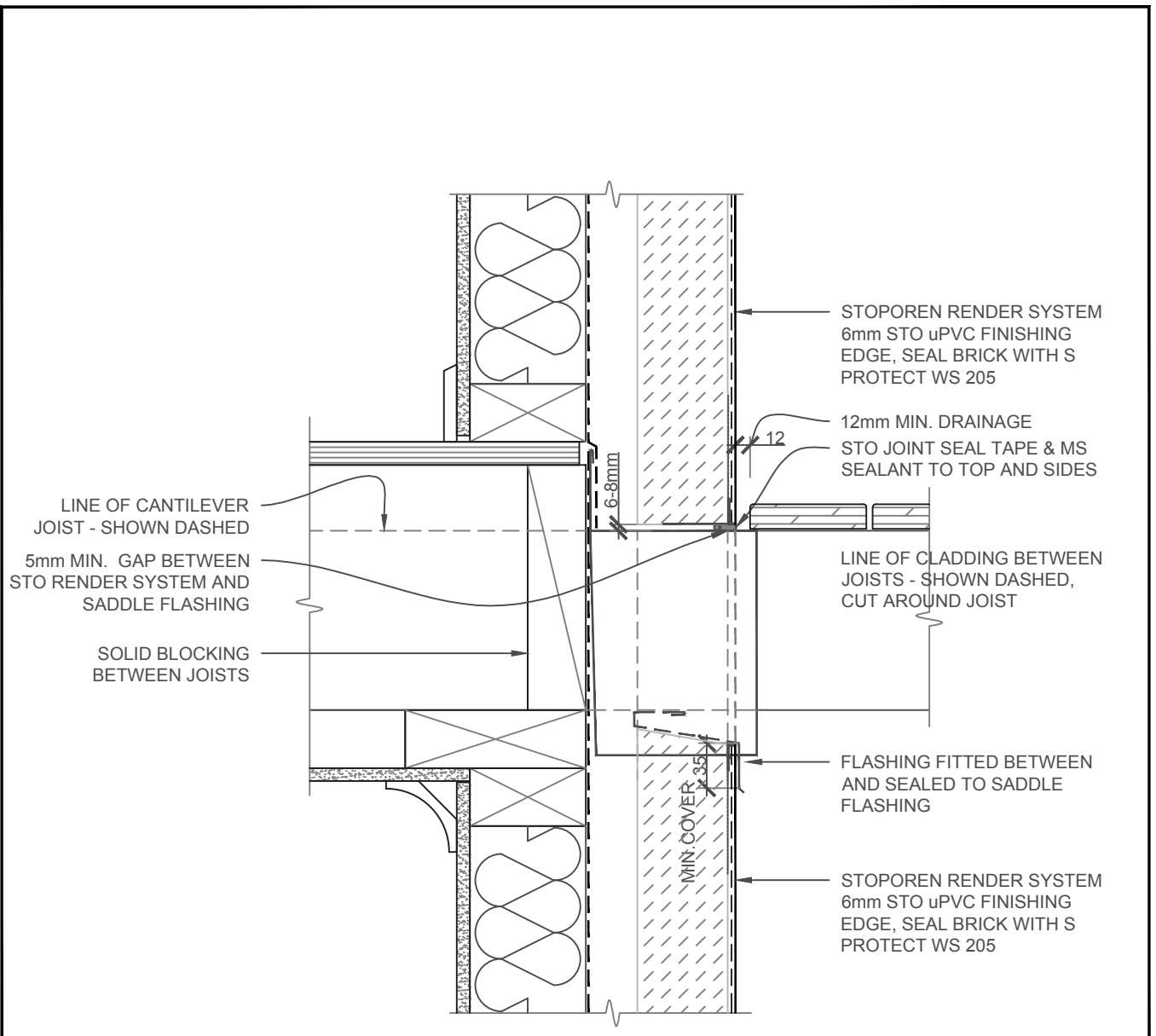


NOTE:
STO FLEXYL MESHED WATERPROOFING MEMBRANE HAS BEEN TESTED BY **BRANZ** TO MEET THE REQUIREMENTS OF **AS/NZS 4858** AS REQUIRED BY E2/AS1 FOR WATERPROOF MEMBRANES USED WITH EXTERIOR RENDER SYSTEMS.
WHEN STOMIRAL RENDER SYSTEM USED, STO FLEXYL MESHED WATERPROOFING MEMBRANE IS USED DIRECTLY OVER THE PANEL.

SCALE 1:5

| | | |
|------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM PARAPET/BALUSTRADE ENCL.DECK | PB 507 |
| | | 2019 |

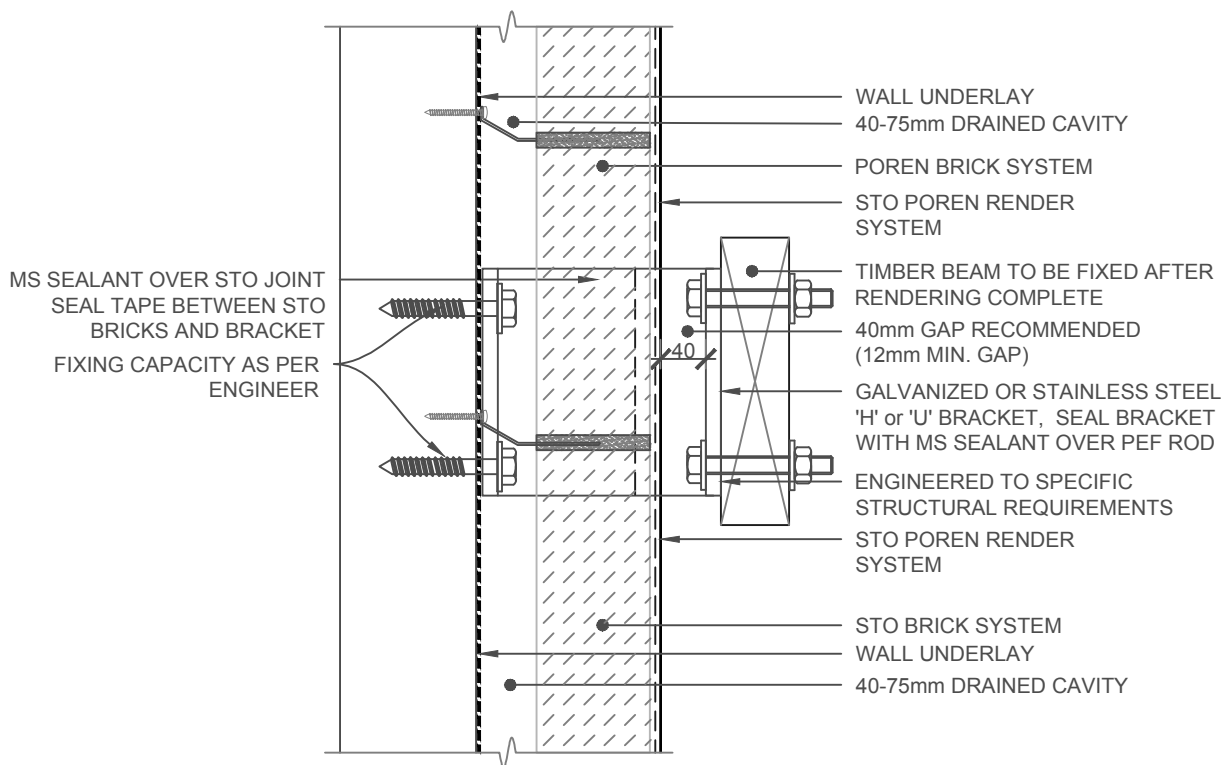
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NOTE:
 REFER E2/AS1 Fig.16 FOR FLASHING REQUIREMENTS. PROVIDE 5mm MIN. WIDE SEALANT JOINT AT CLADDING/SADDLE FLASHING JUNCTION.
 50mm MIN. SET DOWN FROM FLOOR OR THRESHOLD TO TOP OF CANTILEVERED SLATTED DECKS

SCALE 1:5

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|------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM CANTILEVERED SLATTED DECK | PB 508 |
| | | 2019 |



NOTE: INSTALL FLASHING TAPE OVER BRACKET ONTO BUILDING UNDERLAY AS PER E2/AS1
fig 68, ALSO REFER TO DETAIL 510

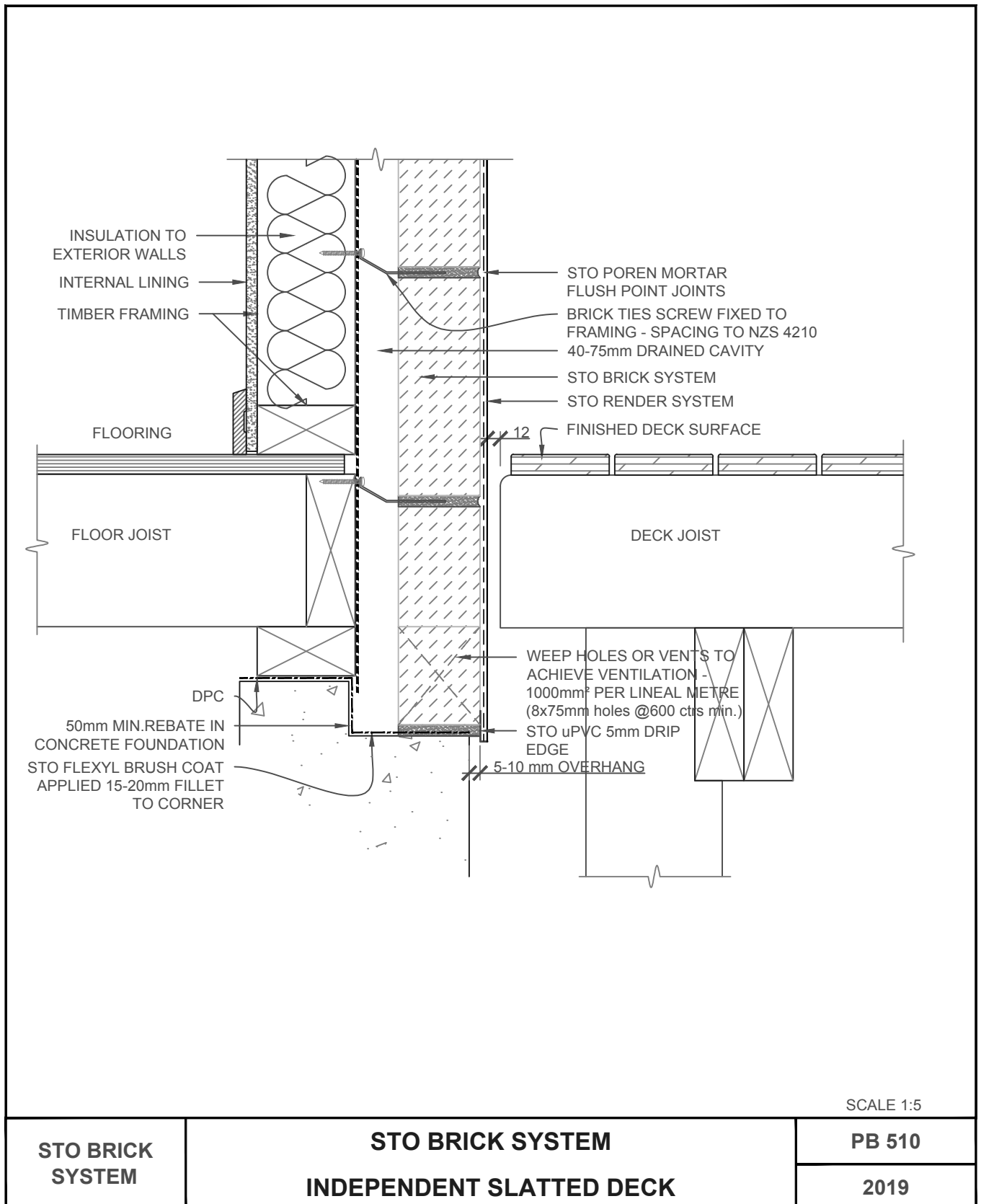
MANUFACTURED GALVANIZED STEEL 'H' OR 'U' BRACKET FOR PARALLEL JOISTS OR
USE 'L' BRACKET FOR RIGHT ANGLE CONNECTIONS

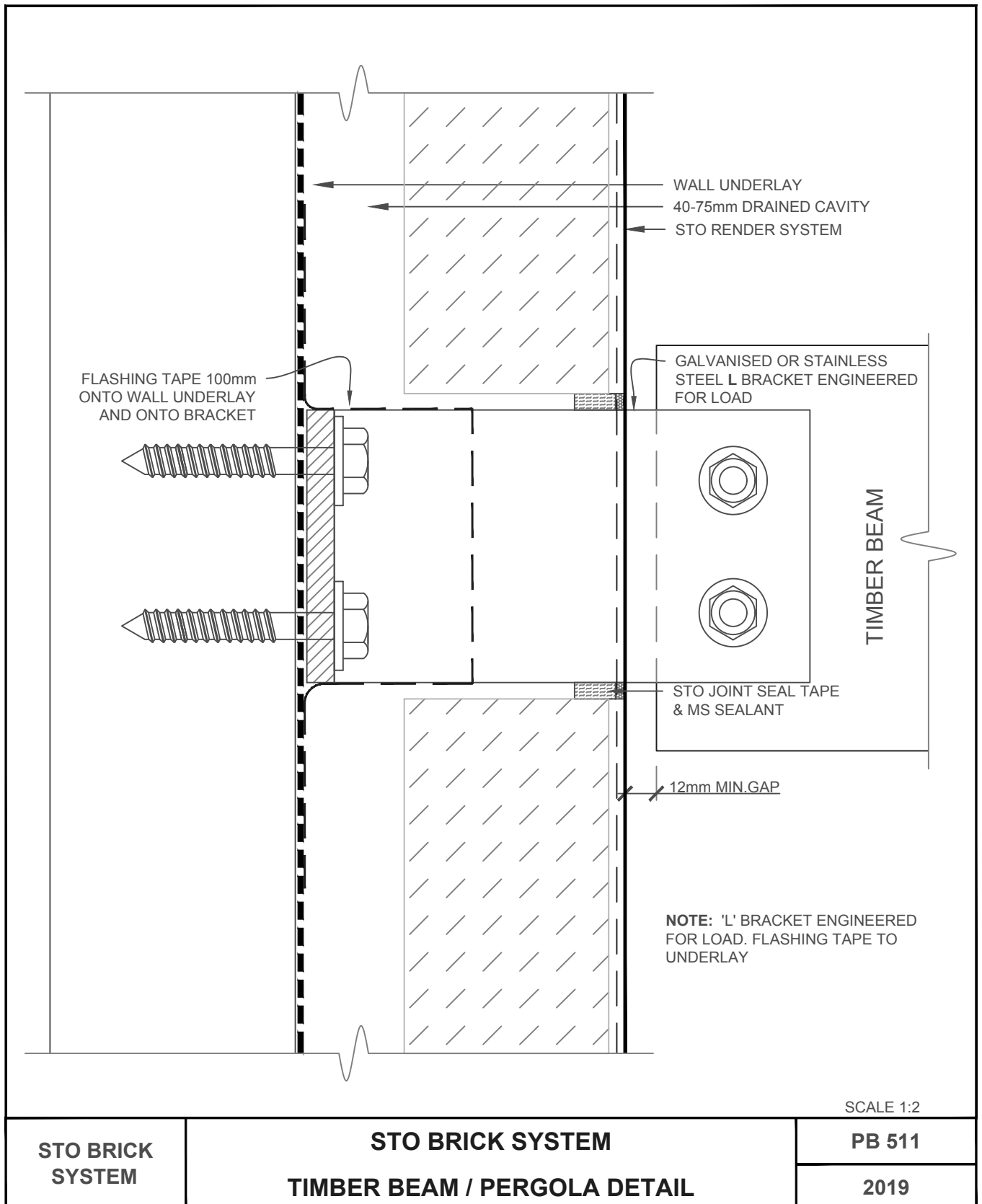
INSTALL DECK JOIST AFTER CLADDING IS RENDERED
40mm GAP RECOMMENDED FOR FIXINGS AND RENDER

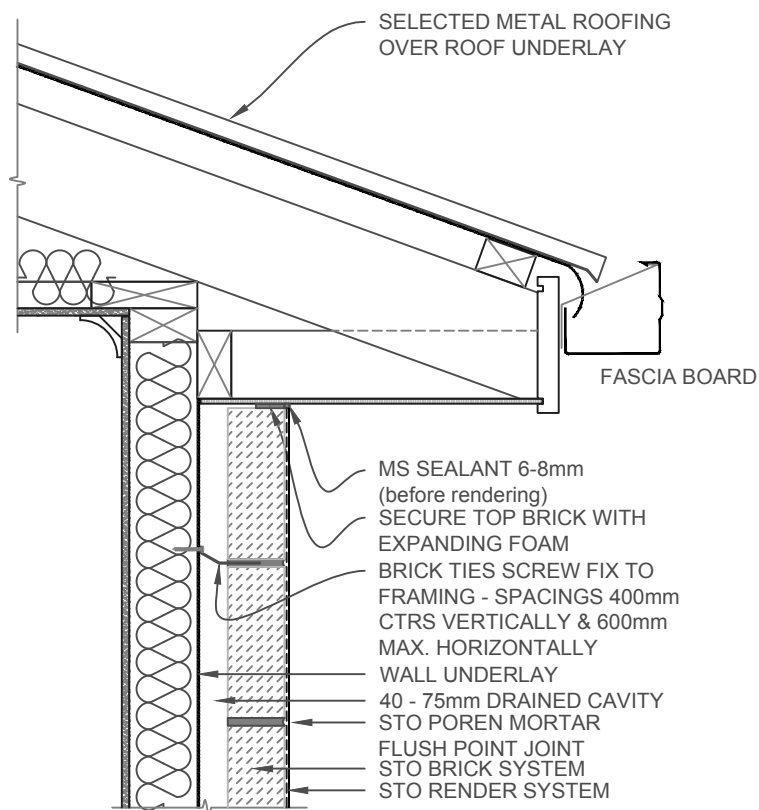
SCALE 1:5

| | | |
|---------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM NON CANTILEVERED SLATTED DECK | PB 509 |
| | | 2019 |

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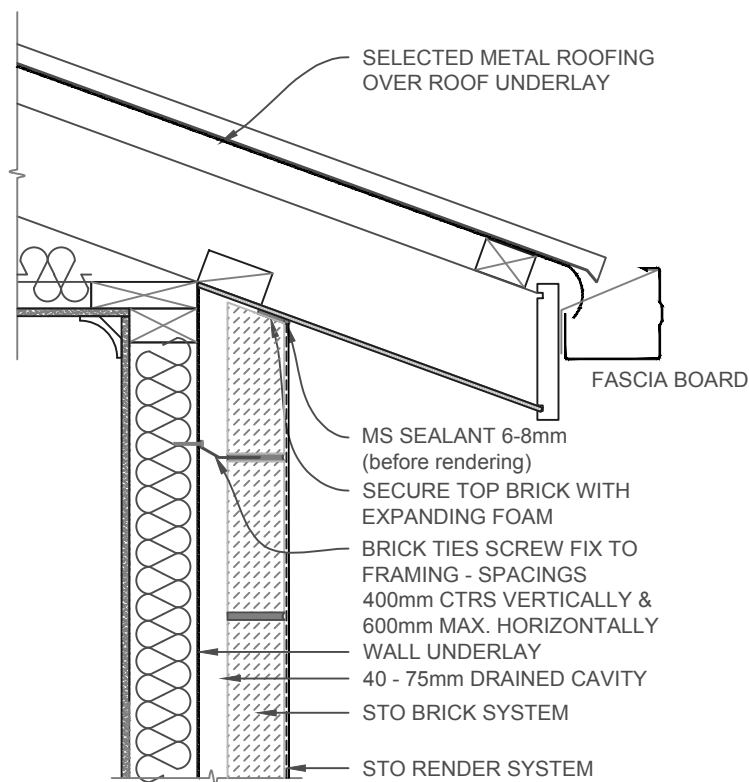


NOTE: VENTING AT SOFFITS IS **NOT** REQUIRED WITH STO BRICK DRY CAVITY SYSTEM

SCALE 1:10

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|-----------------------------|---|------------------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM FLAT SOFFIT/WALL JUNCTION | PB 600 2019 |
|-----------------------------|---|------------------------|

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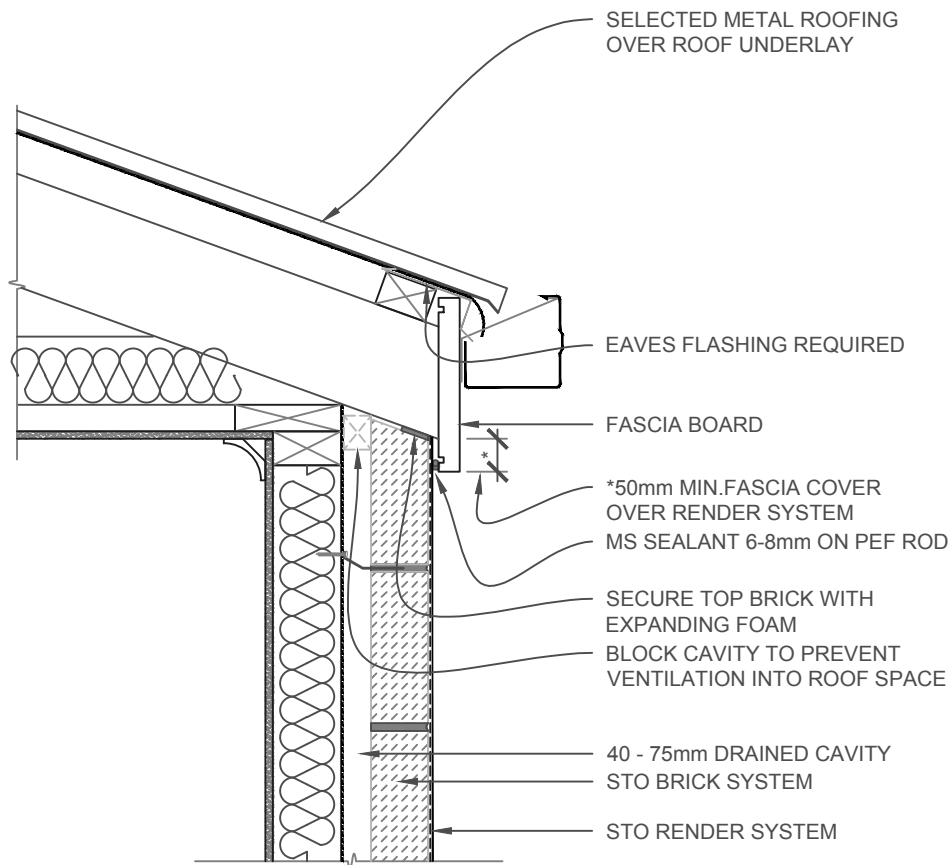


NOTE: VENTING AT SOFFITS **IS NOT** REQUIRED
WITH STO POREN BRICK DRY CAVITY SYSTEM

SCALE 1:10

| | | |
|-----------------------------|---|----------------------------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM RAKING SOFFIT/WALL JUNCTION | PB 601 2019 |
|-----------------------------|---|----------------------------------|

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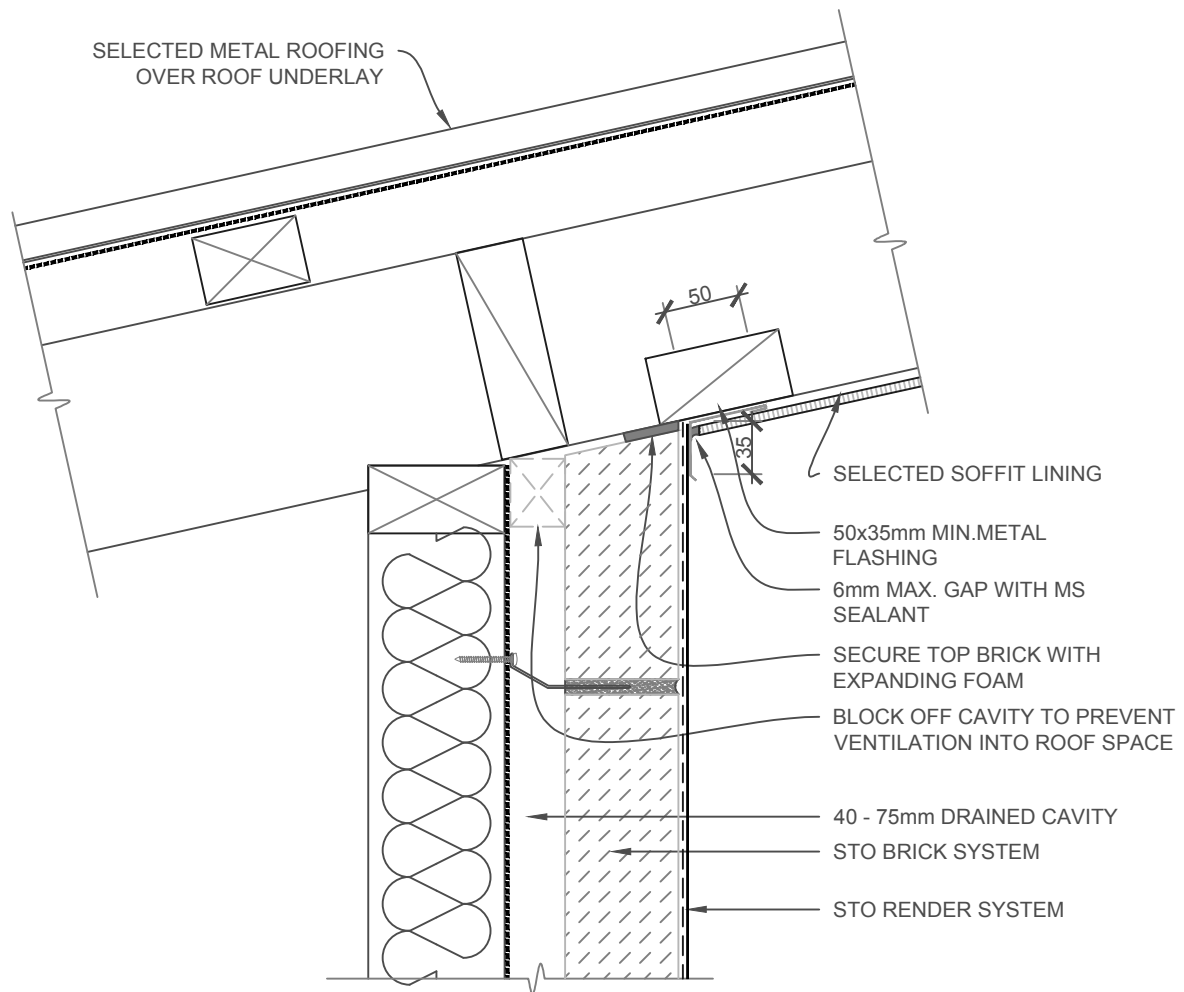
NOTE: VENTING AT SOFFITS IS **NOT** REQUIRED WITH STO BRICK DRY CAVITY SYSTEM

EAVE FLASHINGS ARE REQUIRED WHEN SOFFIT WIDTH IS 100mm OR LESS FROM WALL CLADDING, ROOF PITCH IS LESS THAN 10° AND WIND ZONES ARE VERY HIGH OR EXTRA HIGH

SCALE 1:10

| | | |
|------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM FACED FIXED FASCIA | PB 602 |
| | | 2019 |

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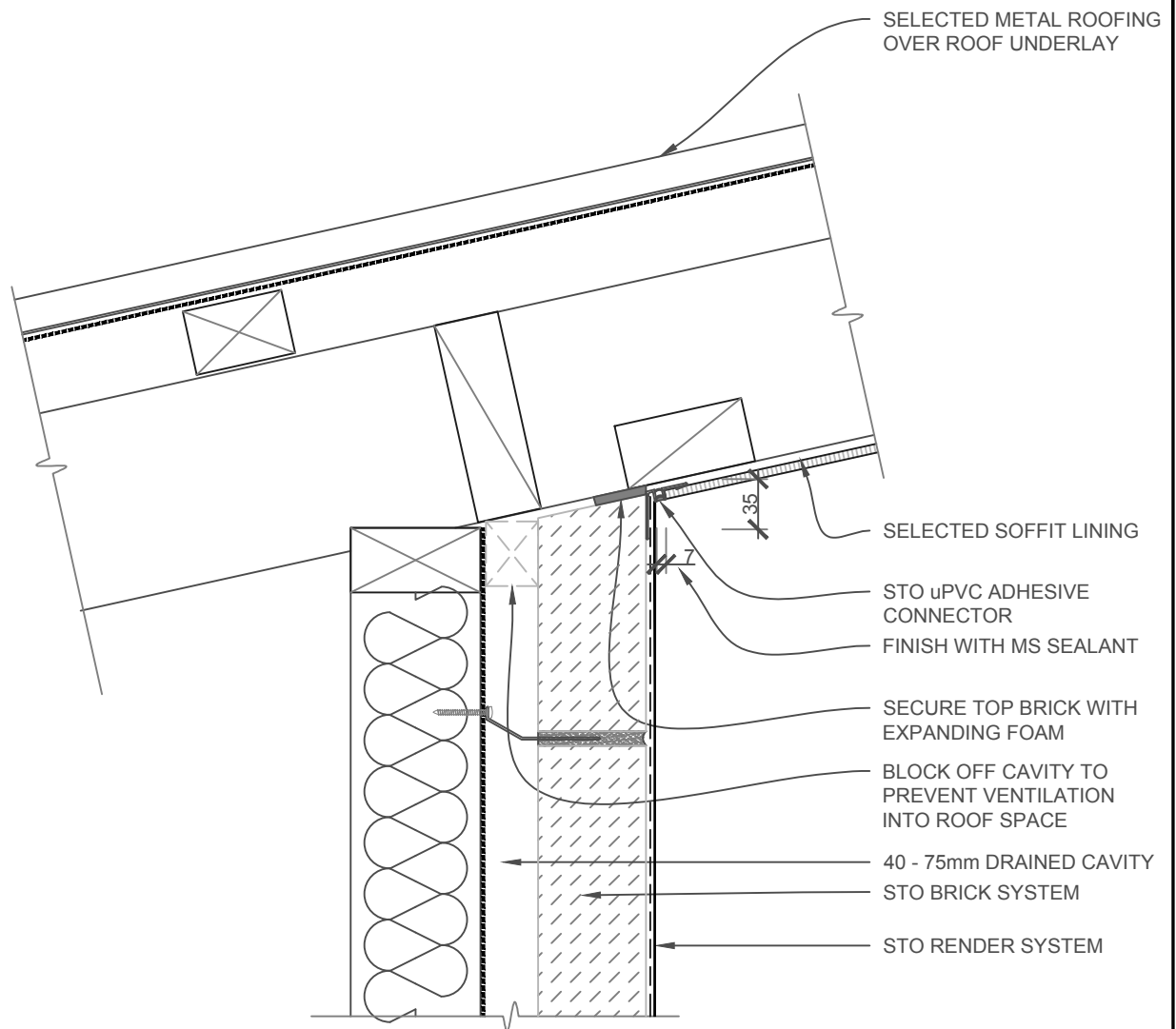
NOTE: VENTING AT SOFFITS IS **NOT** REQUIRED WITH STO BRICK DRY CAVITY SYSTEM

ANGLE OF SOFFIT RESTRICTED TO BETWEEN 91°-115°

SCALE 1:5

| | | |
|-----------------------------|---|---------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM RAKING SOFFIT | PB 603 |
| | | 2019 |

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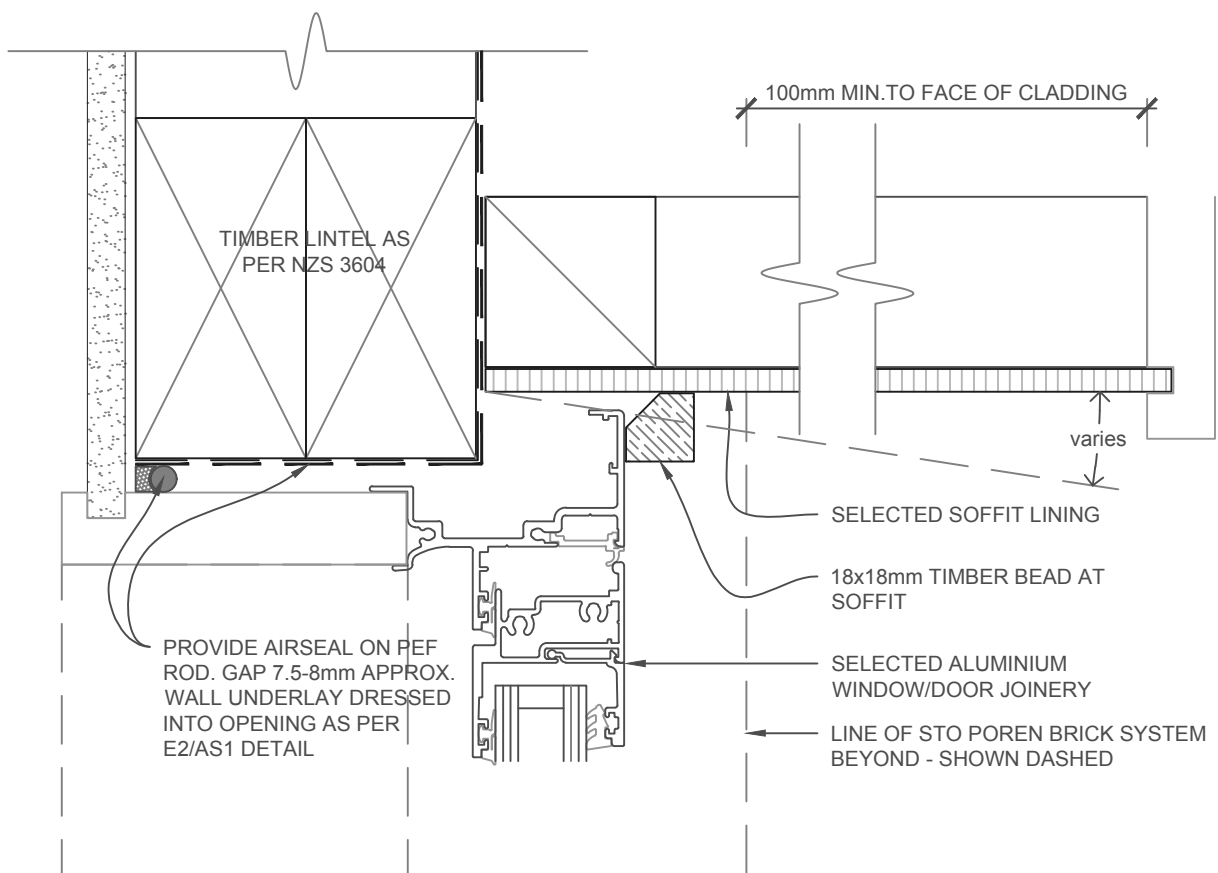
NOTE: VENTING AT SOFFITS **IS NOT** REQUIRED WITH STO BRICK CAVITY SYSTEM

ANGLE OF SOFFIT RESTRICTED TO BETWEEN 91°-115°

SCALE 1:5

| | | |
|------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM RAKING SOFFIT - STO uPVC ADHESIVE CONNECTOR | PB 604 |
| | | 2019 |

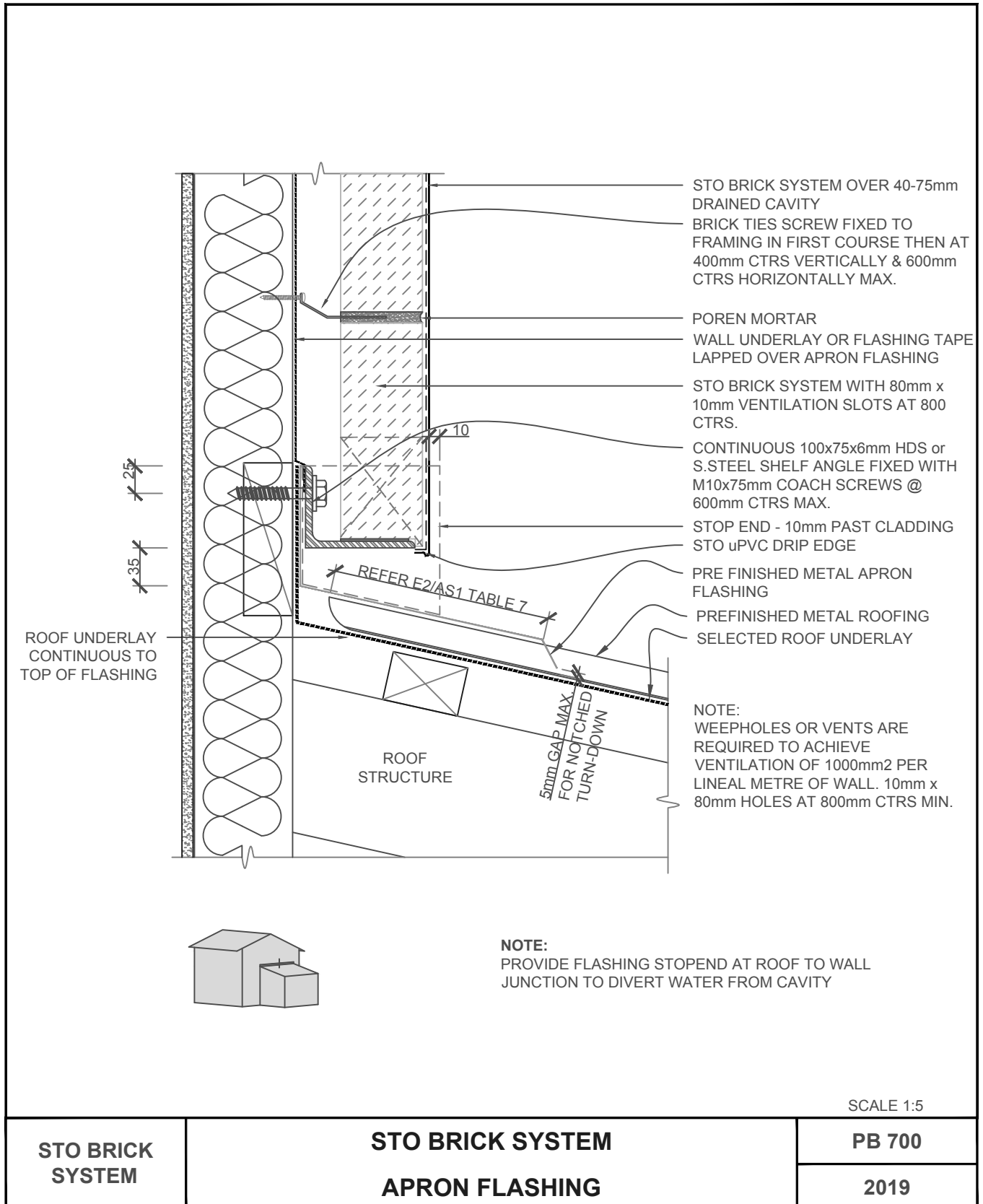
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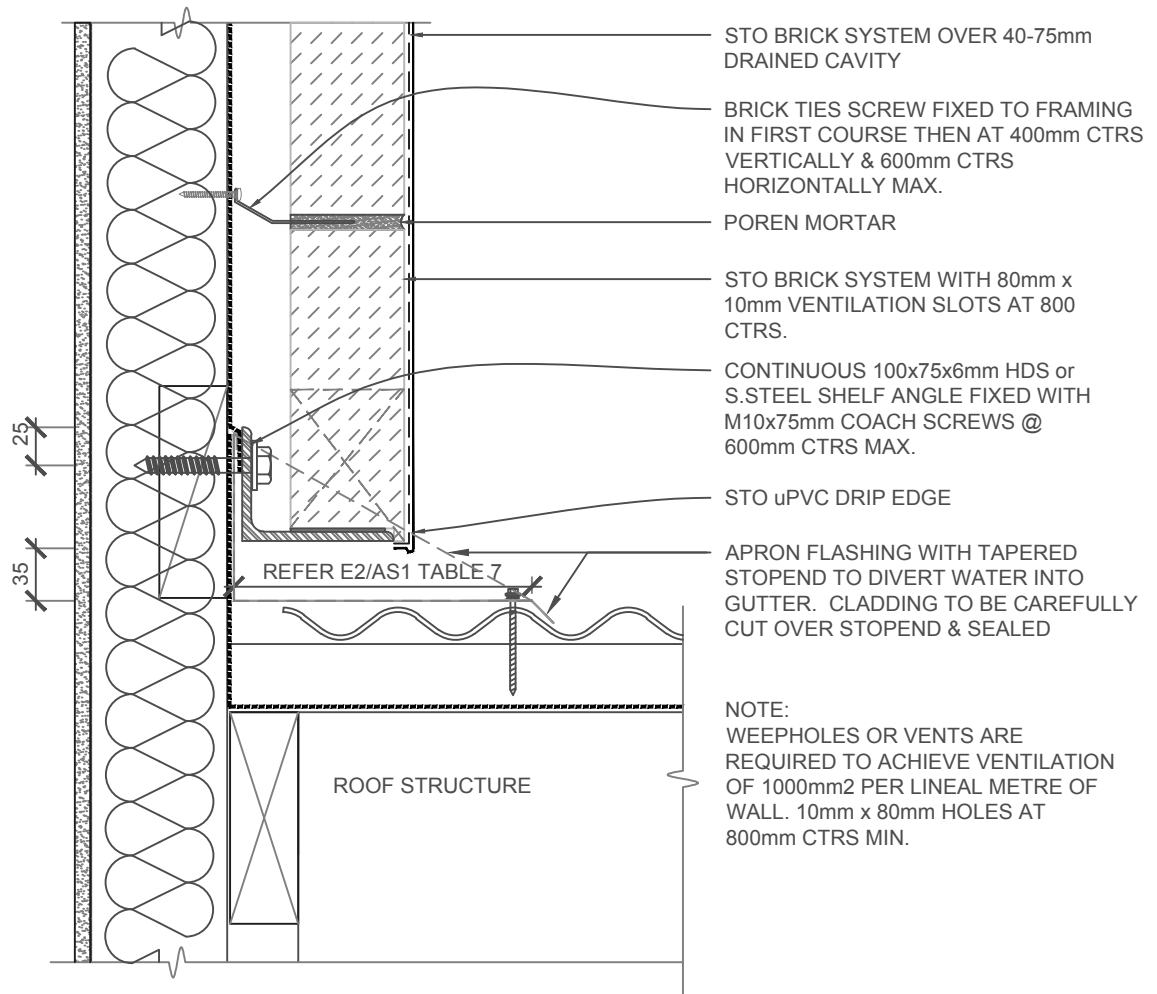


SCALE 1:2

| | | |
|-----------------------------|--|---------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM SOFFIT AT WINDOW/DOOR HEAD | PP 605 |
| | | 2019 |

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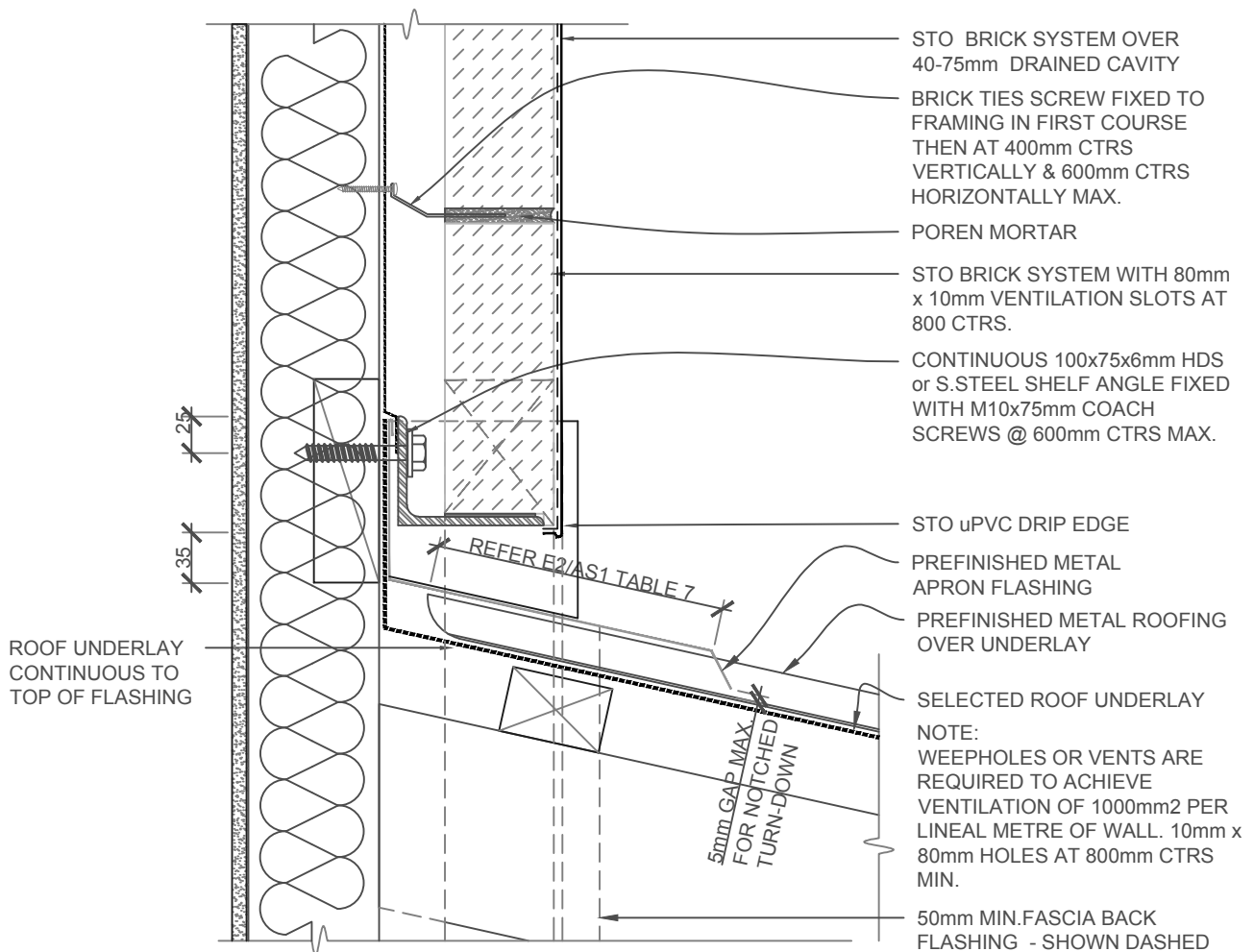


NOTE: PROVIDE FLASHING STOPEND AT ROOF TO GUTTER JUNCTION TO DIVERT WATER INTO THE GUTTER - Refer Drawing PB606

SCALE 1:5

| | | |
|------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM PARALLEL APRON FLASHING | PB 701 |
| | | 2019 |

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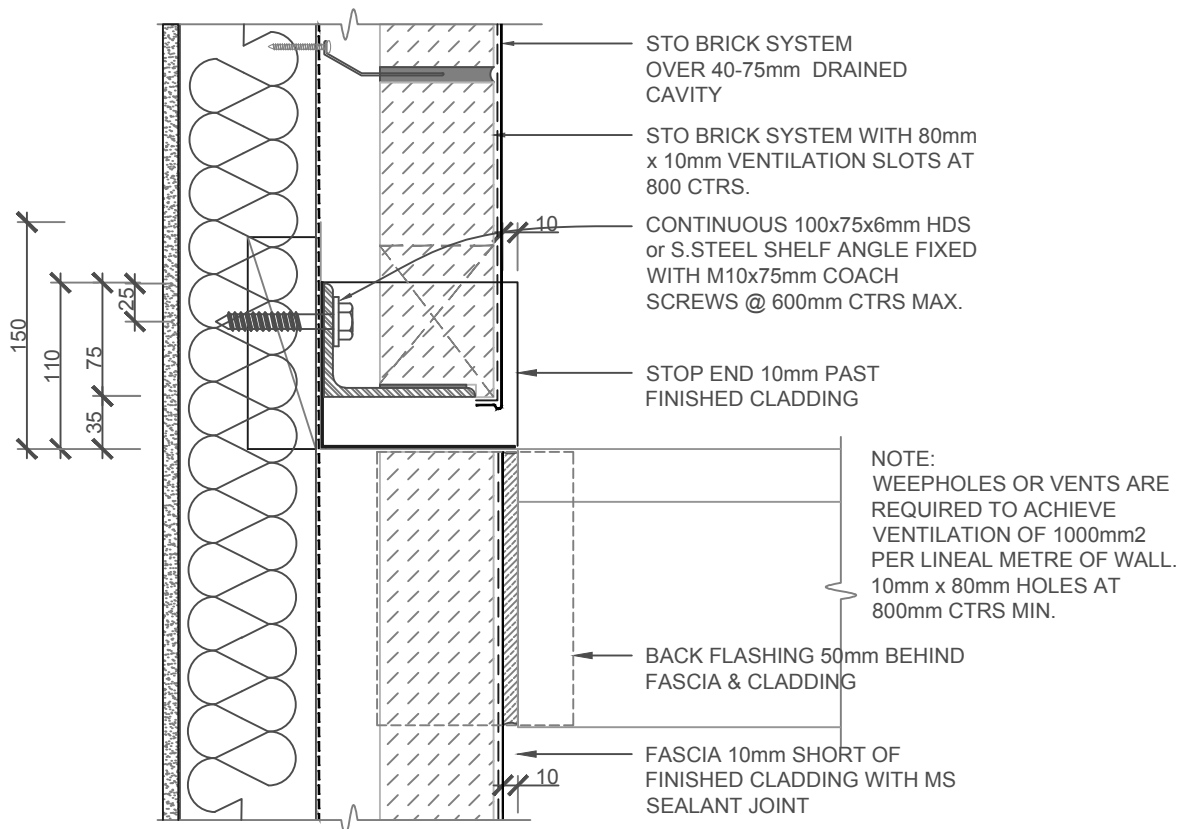
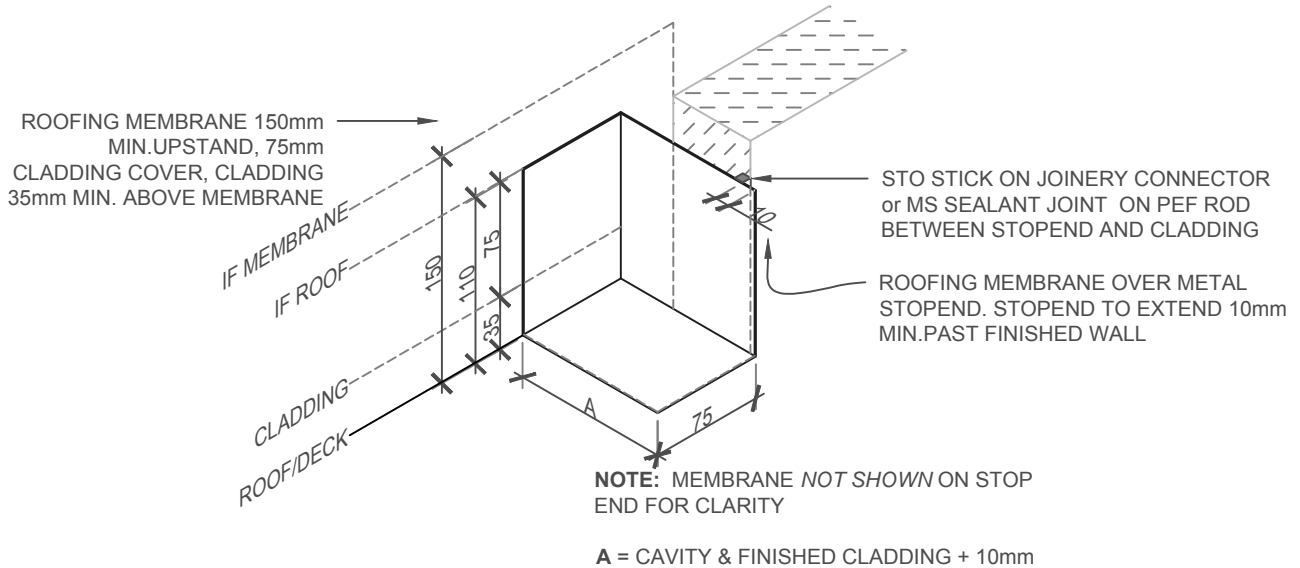
NOTE: CONTRACTOR TO FIT STOPEND FLASHING & HEMMED FLASHING FOR FASCIAS 50mm BEHIND CLADDING, 50mm BEHIND FASCIA. STO CONTRACTOR TO APPLY FINISHED SEALANT JOINT BETWEEN FASCIA & RENDER. UNDERLAY or FLASHING TAPE OVER FLASHING UPSTAND.

PARAPETS - REFER 500 SERIES - PARAPET DETAILS

SCALE 1:5

| | | |
|------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM INTERSTOREY TRANSVERSE (APRON) ROOF STOPEND | PB 702 |
| | | 2019 |

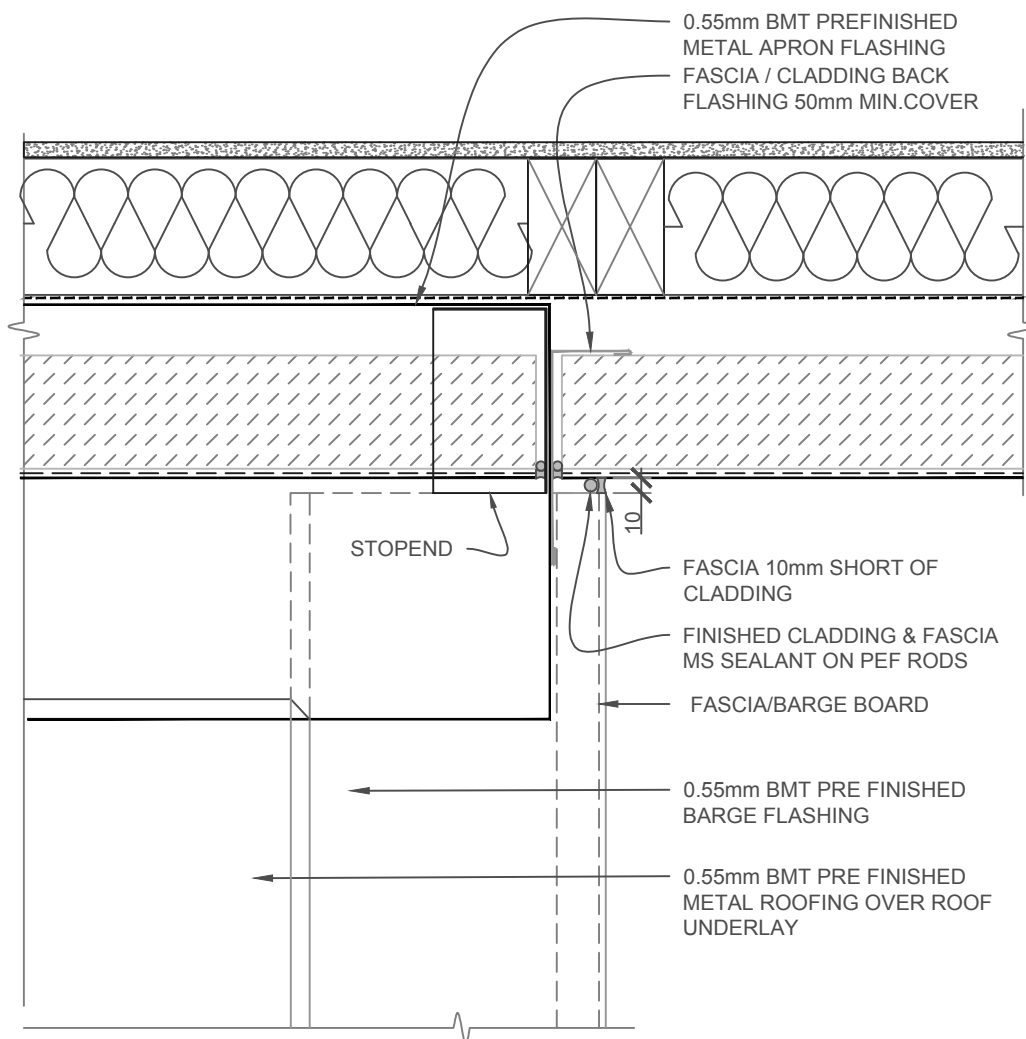
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SCALE 1:5

| | | |
|---------------------|---|--------------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM INTERSTOREY MEMBRANE ROOF STOPEND | PB 703 2019 |
|---------------------|---|--------------------|

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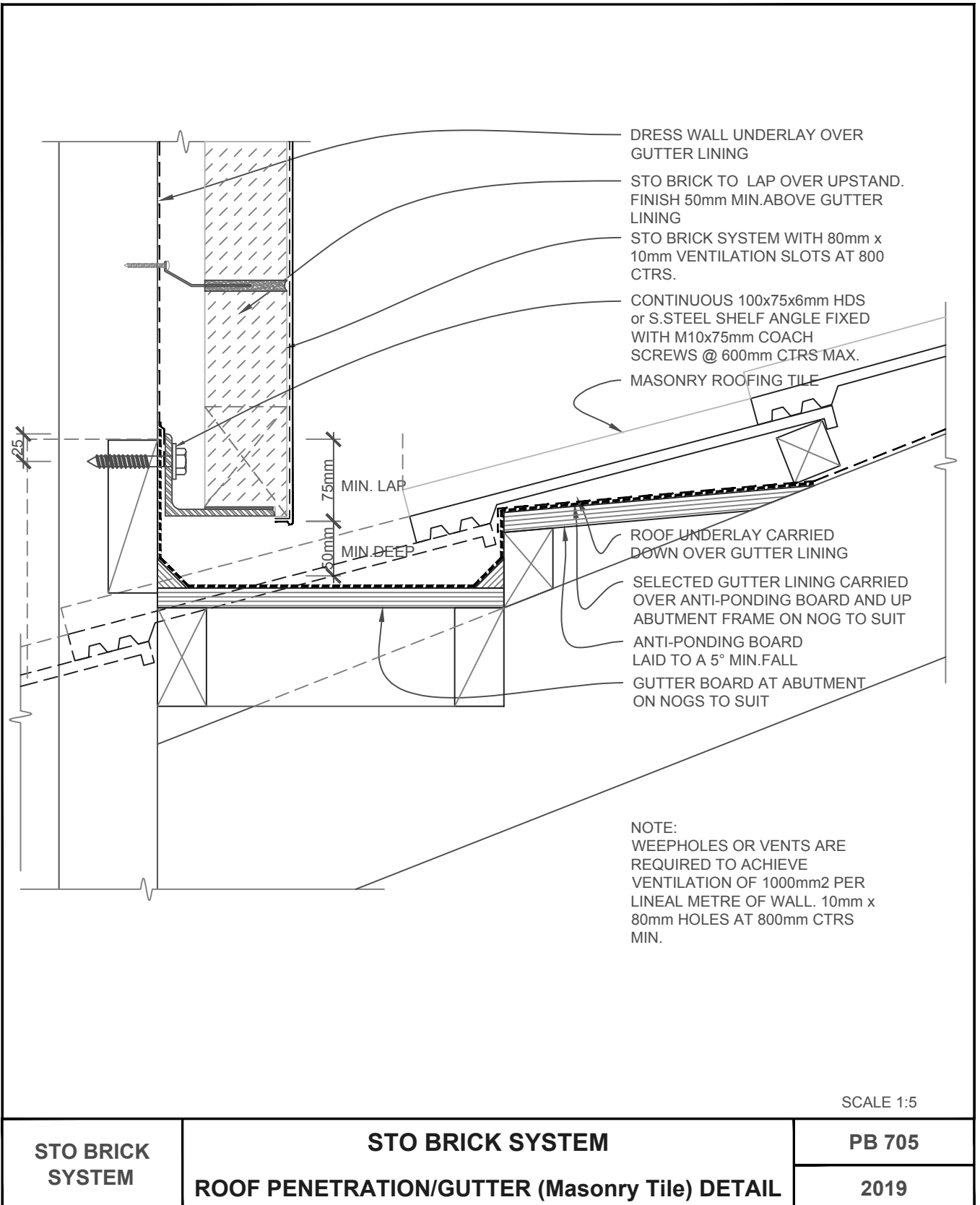


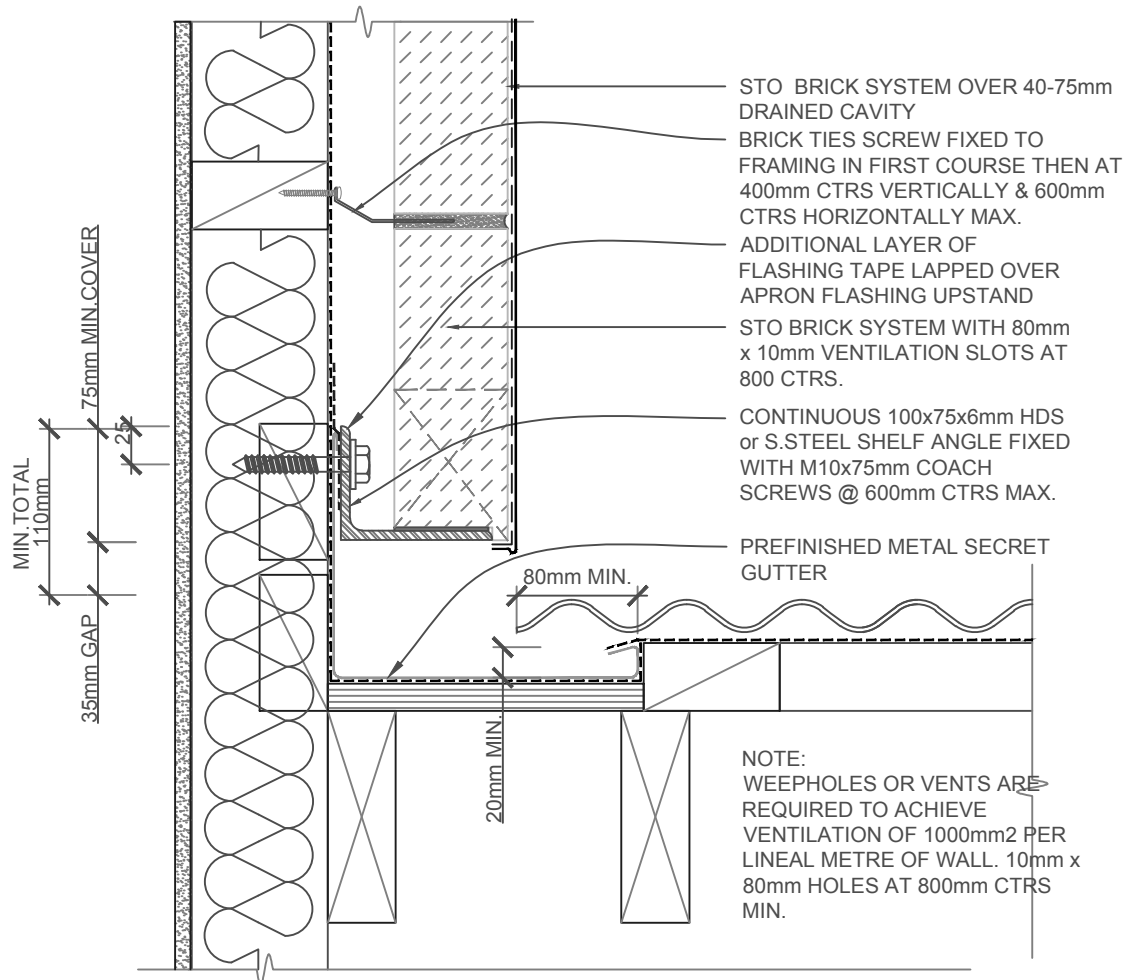
USE STO uPVC FINISHING EDGE OR CORNER ANGLE
AROUND FLASHING TO PANEL JUNCTIONS WITH MIN 5mm
GAP FOR SEALANT OVER PEF ROD

SCALE 1:5

| | | |
|---------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM INTER-STOREY ROOF STOPEND - PLAN VIEW | PB 704 |
| | | 2019 |

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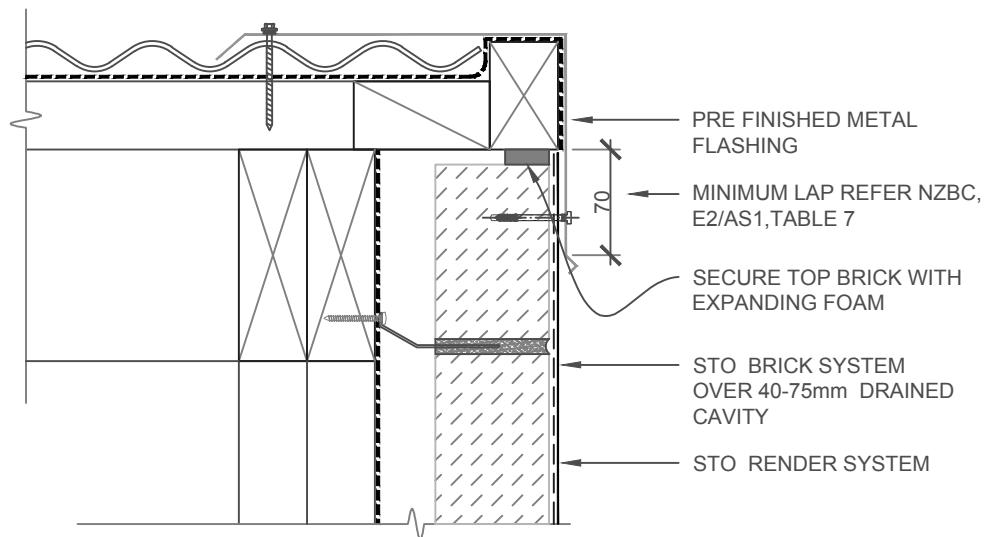




NOTE: WHERE GUTTER FINISHES WITHIN THE LENGTH OF THE WALL, STEP LOWER PART OF GUTTER OUT TO 10mm PAST THE *CLADDING* LINE, WHILE MAINTAINING REQUIRED CLEARANCES, TO ALLOW THE GUTTER TO FEED INTO THE LOWER *EAVES* GUTTER.
- REFER FIGS. 37 & 50 INCLUDING SECTION 8.1.6.2 E2/AS1

SCALE 1:5

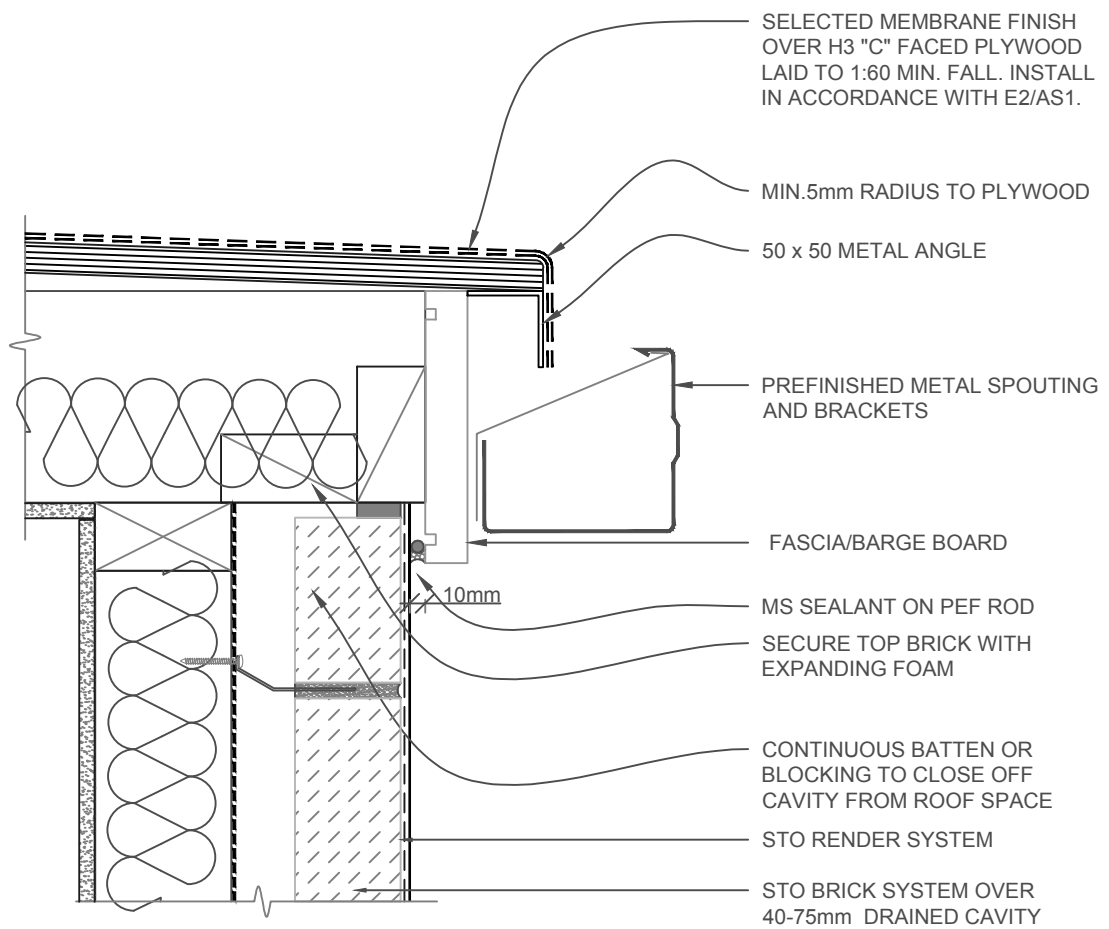
| | | |
|------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM PARALLEL ROOF/HIDDEN GUTTER | PB 706 |
| | | 2019 |



SCALE 1:5

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| STO BRICK SYSTEM | STO BRICK SYSTEM FACE FIXED FASCIA/BARGE | PB 707 |
| | | 2019 |

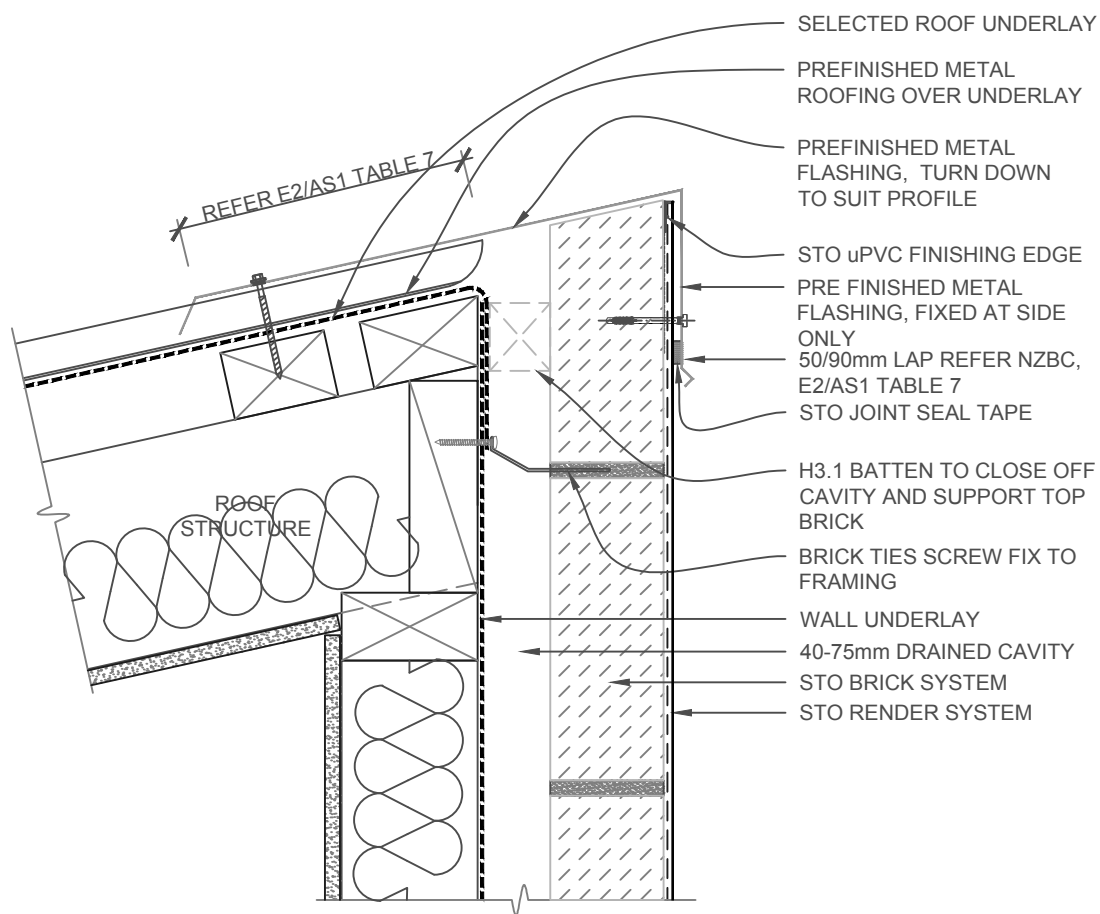
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SCALE 1:5

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| STO BRICK SYSTEM | STO BRICK SYSTEM FACE FIXED FASCIA/MEMBRANE ROOF | PP 708 |
| | | 2019 |

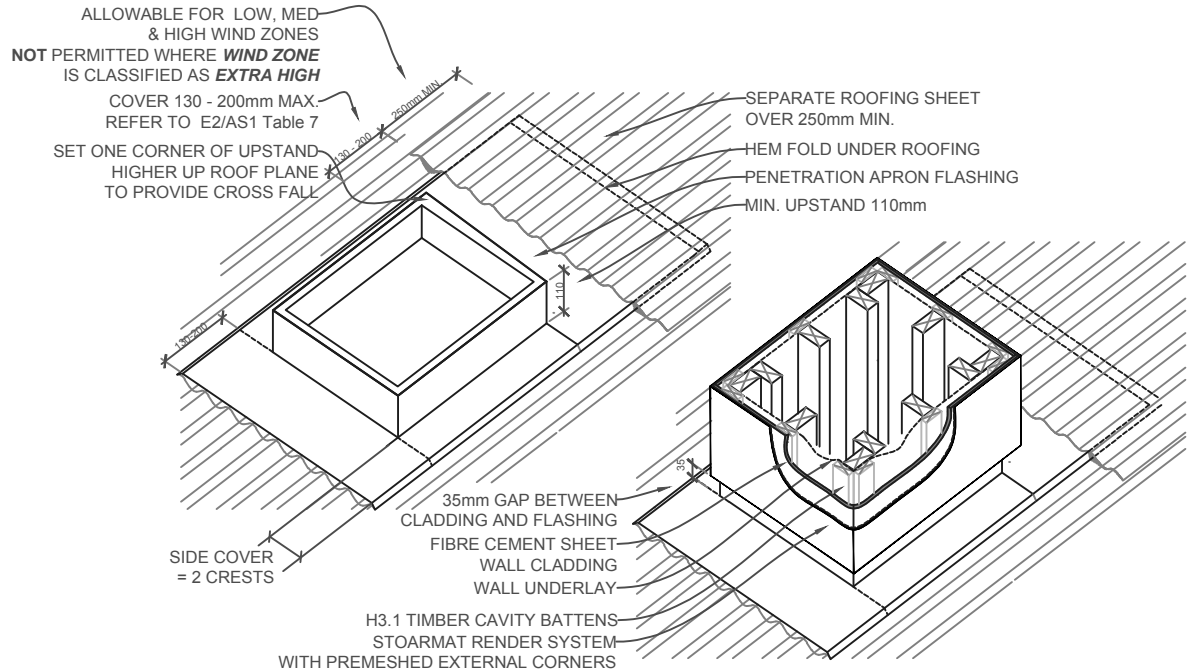
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SCALE 1:5

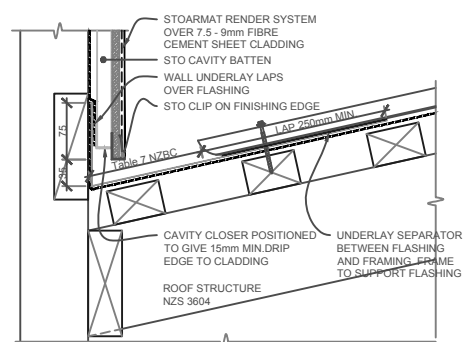
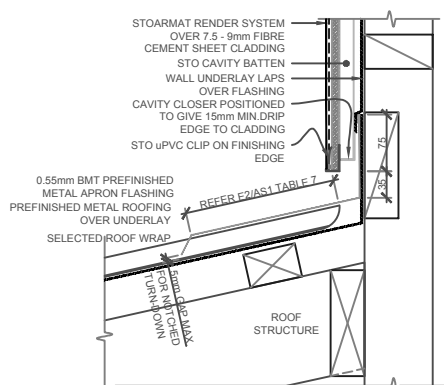
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|------------------|-------------------------------------|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM ROOF/WALL RIDGE | PP 709 |
| | | 2019 |

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NOTE:
SUITABLE FOR RECTANGULAR PENETRATIONS
UP TO 1200mm WIDE.
ROOF PITCH MUST BE 10° or HIGHER - REFER
TO E2/AS1 TABLE 9 or 17 FOR MAX. ROOF
LENGTH ABOVE PENETRATIONS. BLOCKING
REQUIRED FOR PENETRATIONS OVER 200mm

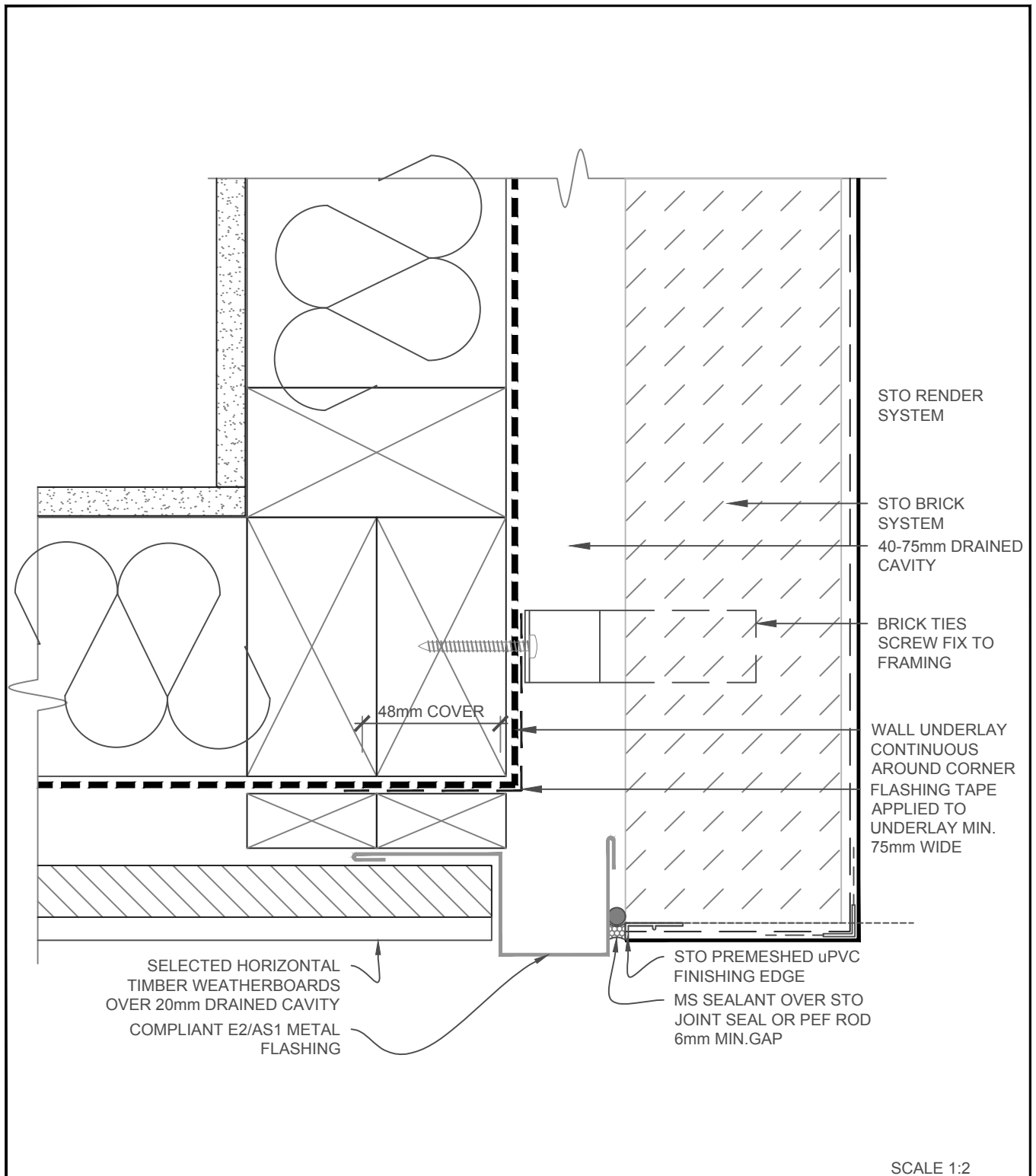
SCALE 1:20
FRAMED CHIMNEY



SCALE 1:10

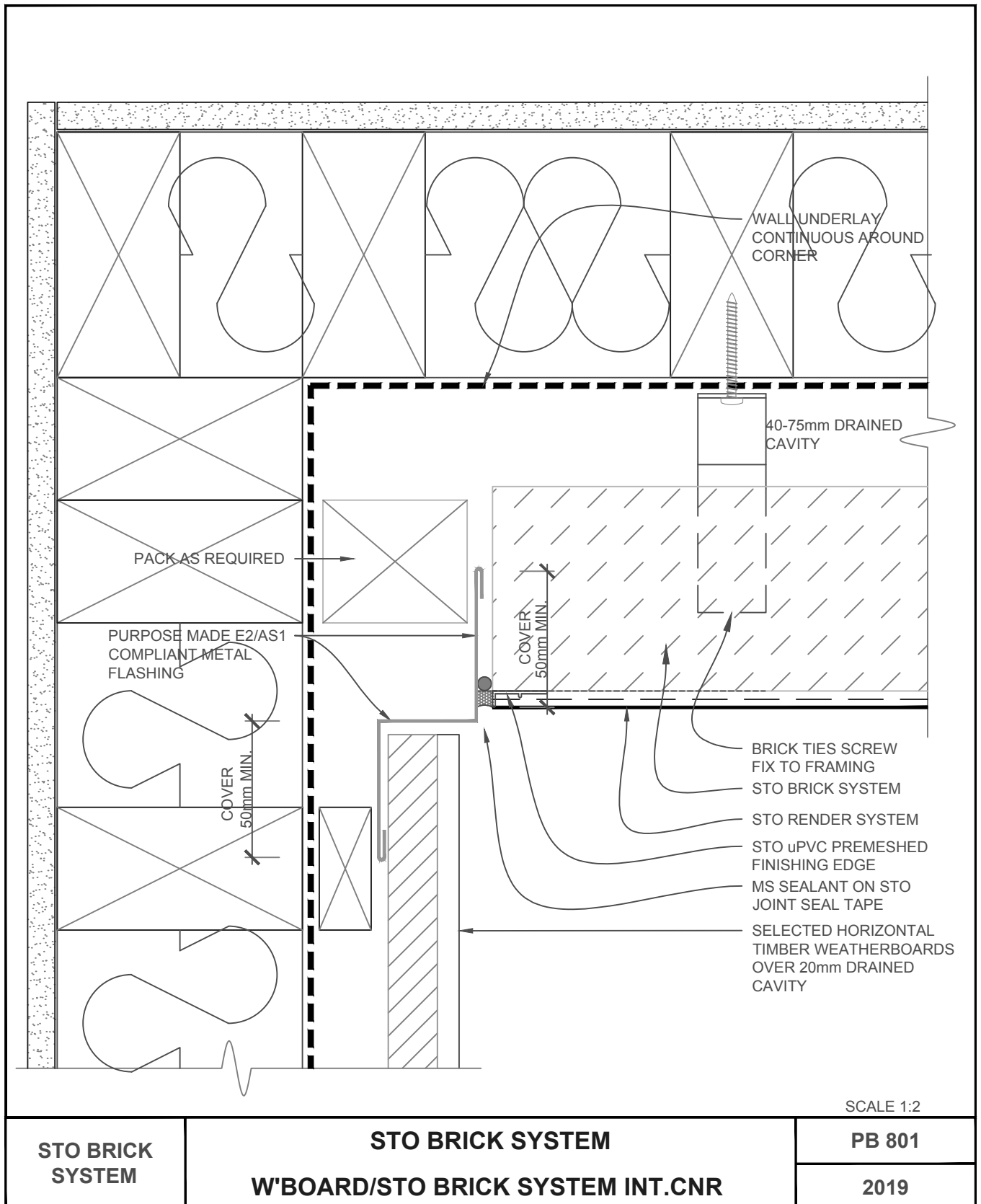
| | | |
|---------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM FRAMED CHIMNEY OR PENETRATION UP TO 1200mm | PB 710 |
| | | 2019 |

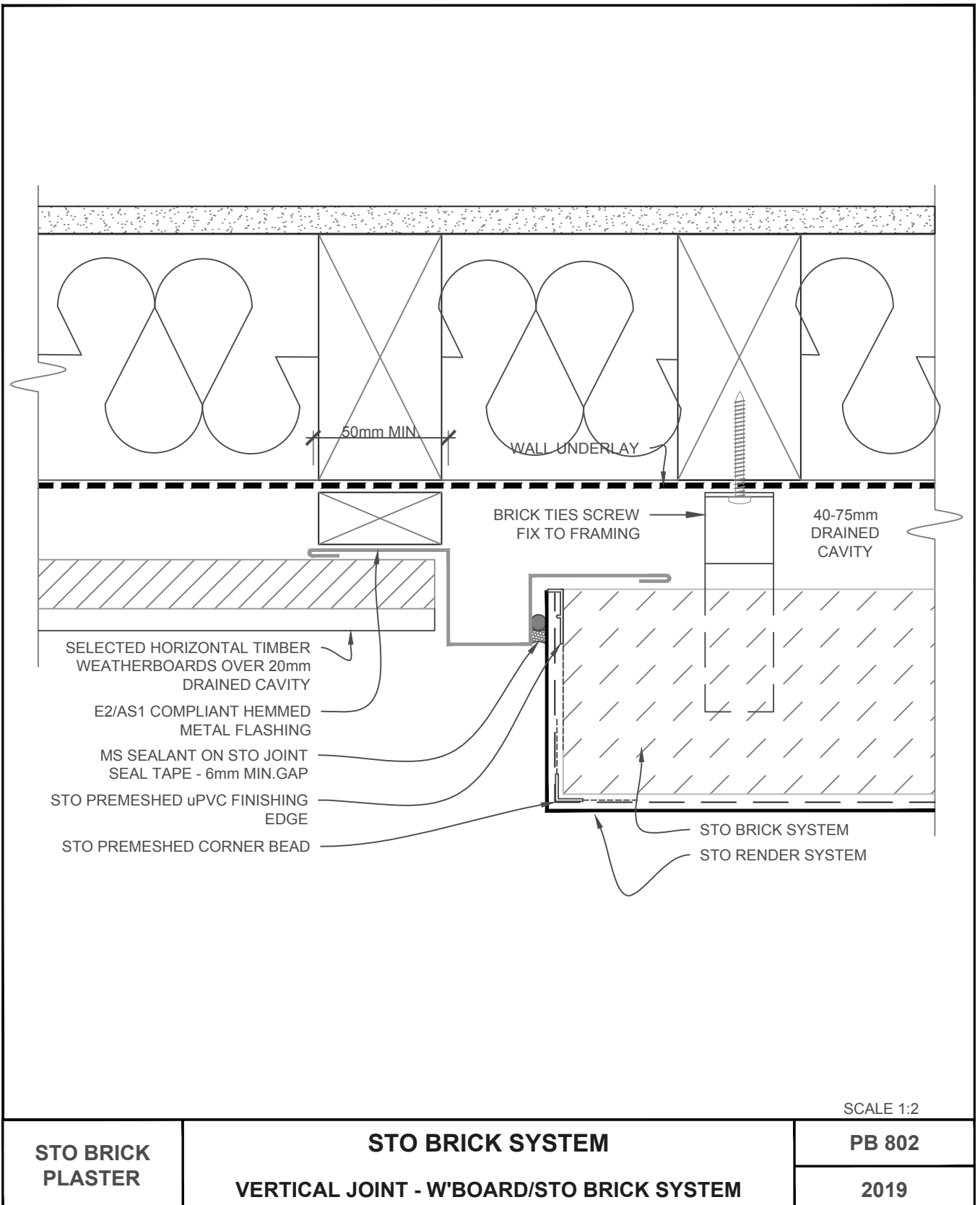
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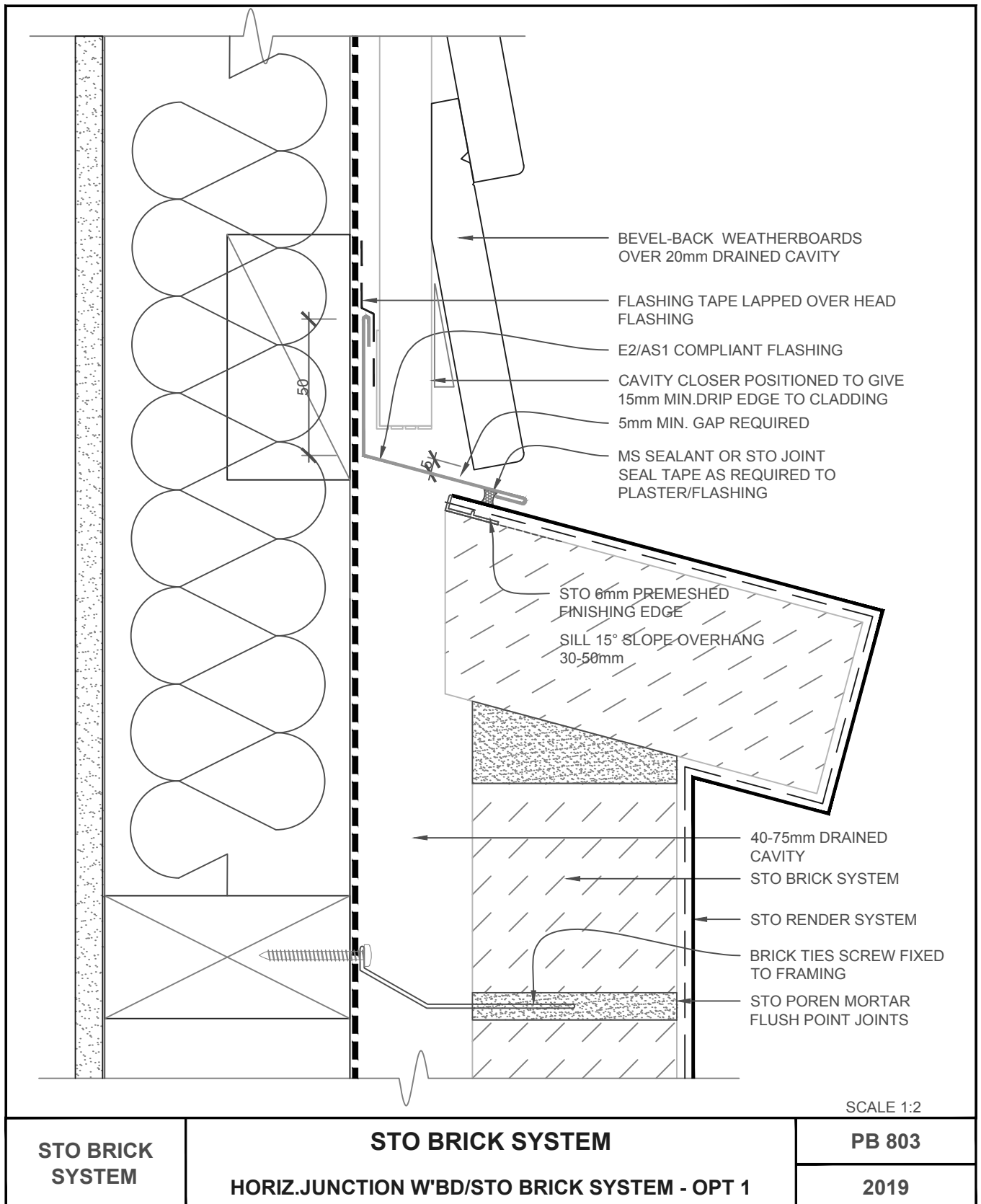


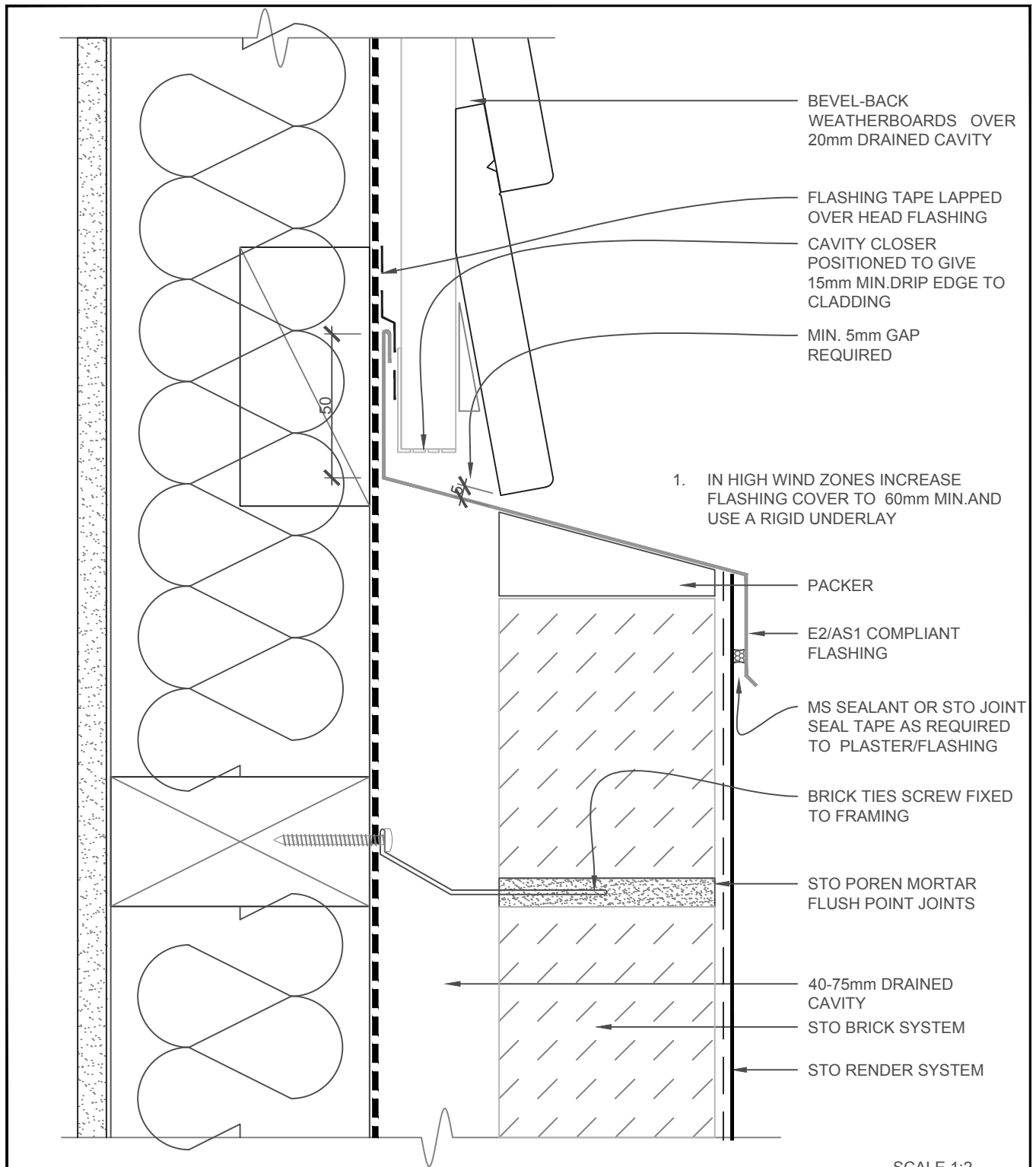
| | | |
|------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM | PB 800 |
| | WEATHERBOARD/STO BRICK SYSTEM - EXT.CNR | 2019 |

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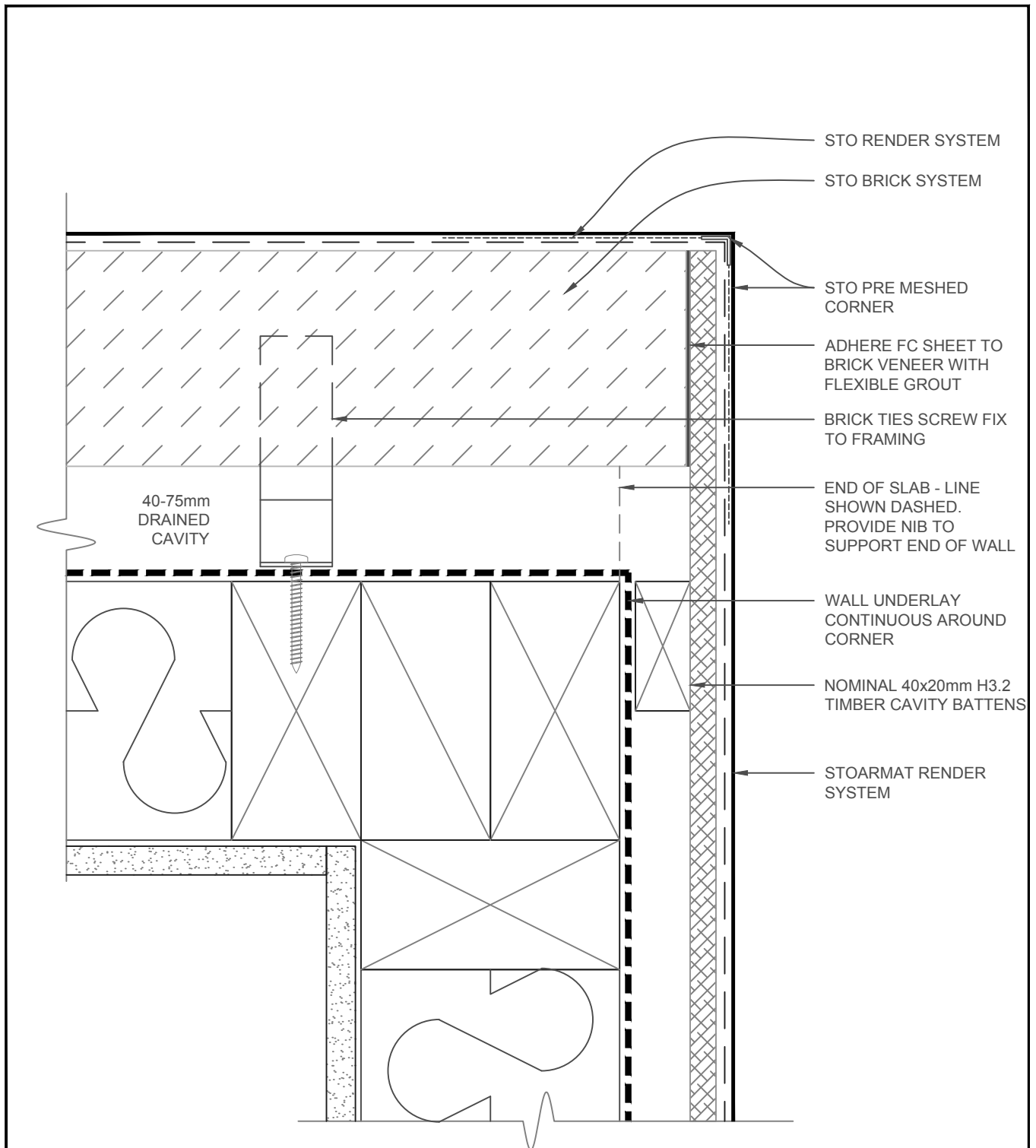






| | | |
|------------------|--|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM HORIZ.JUNCTION W'BD/STO BRICK SYSTEM - OPT 2 | PB 804 |
| | | 2019 |

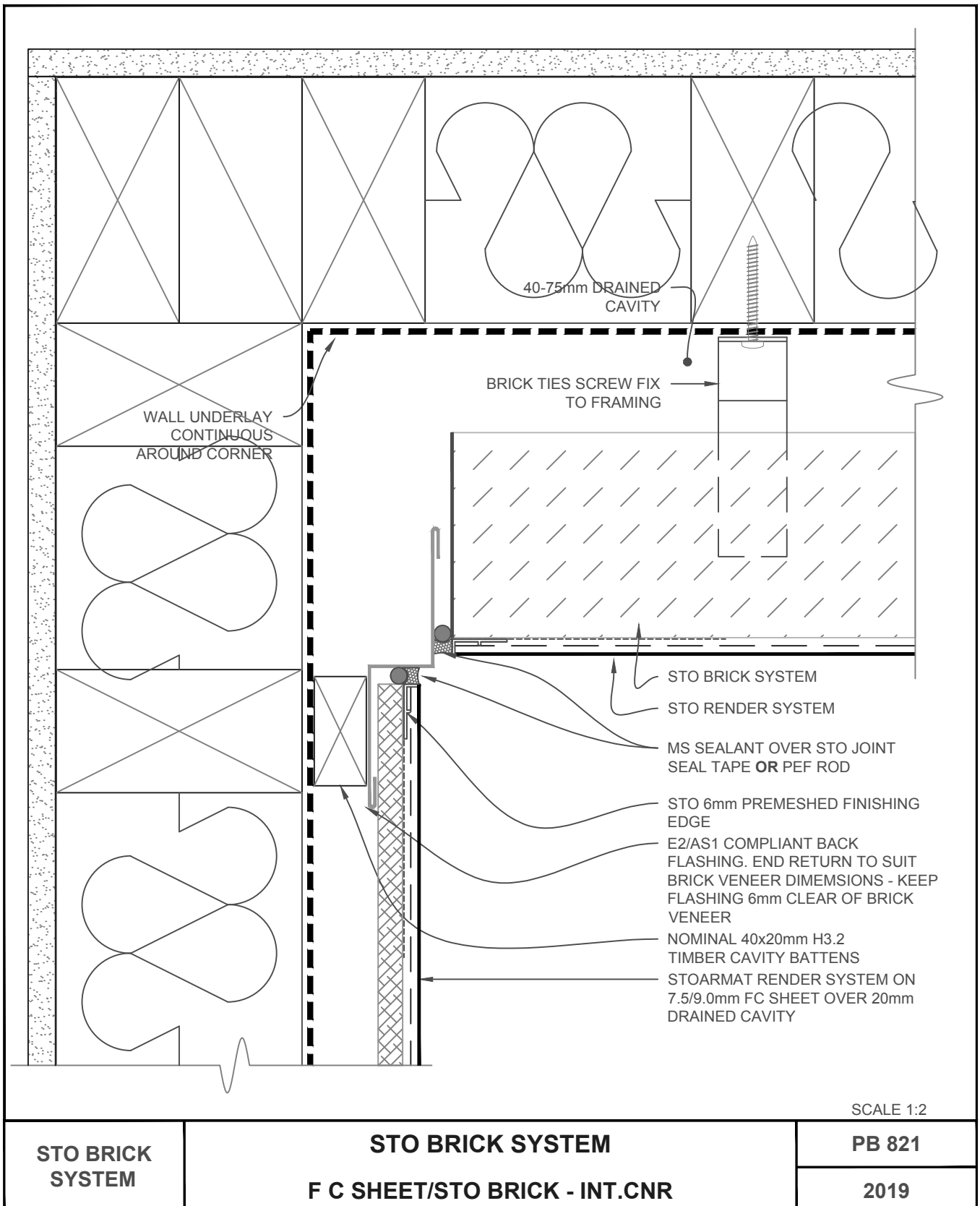
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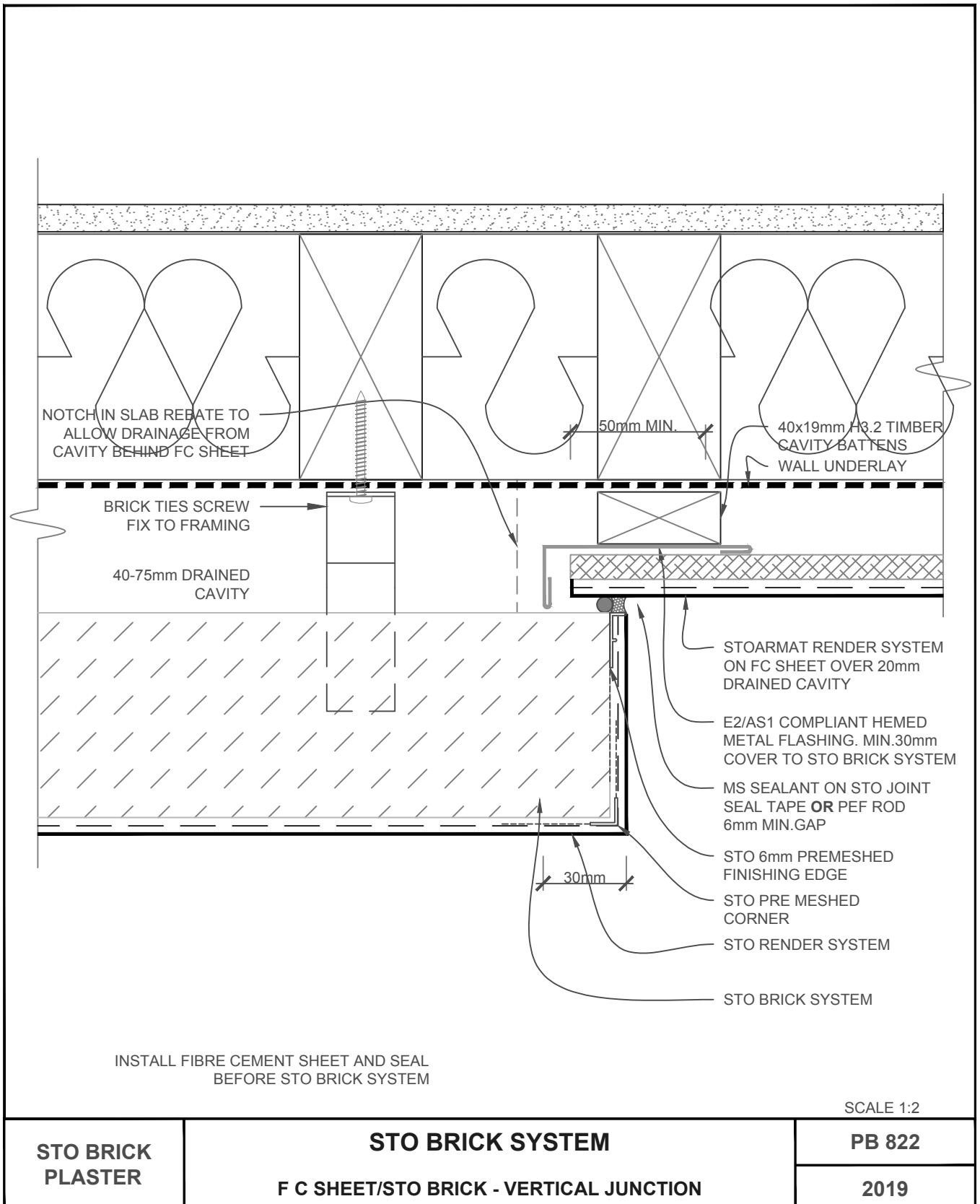


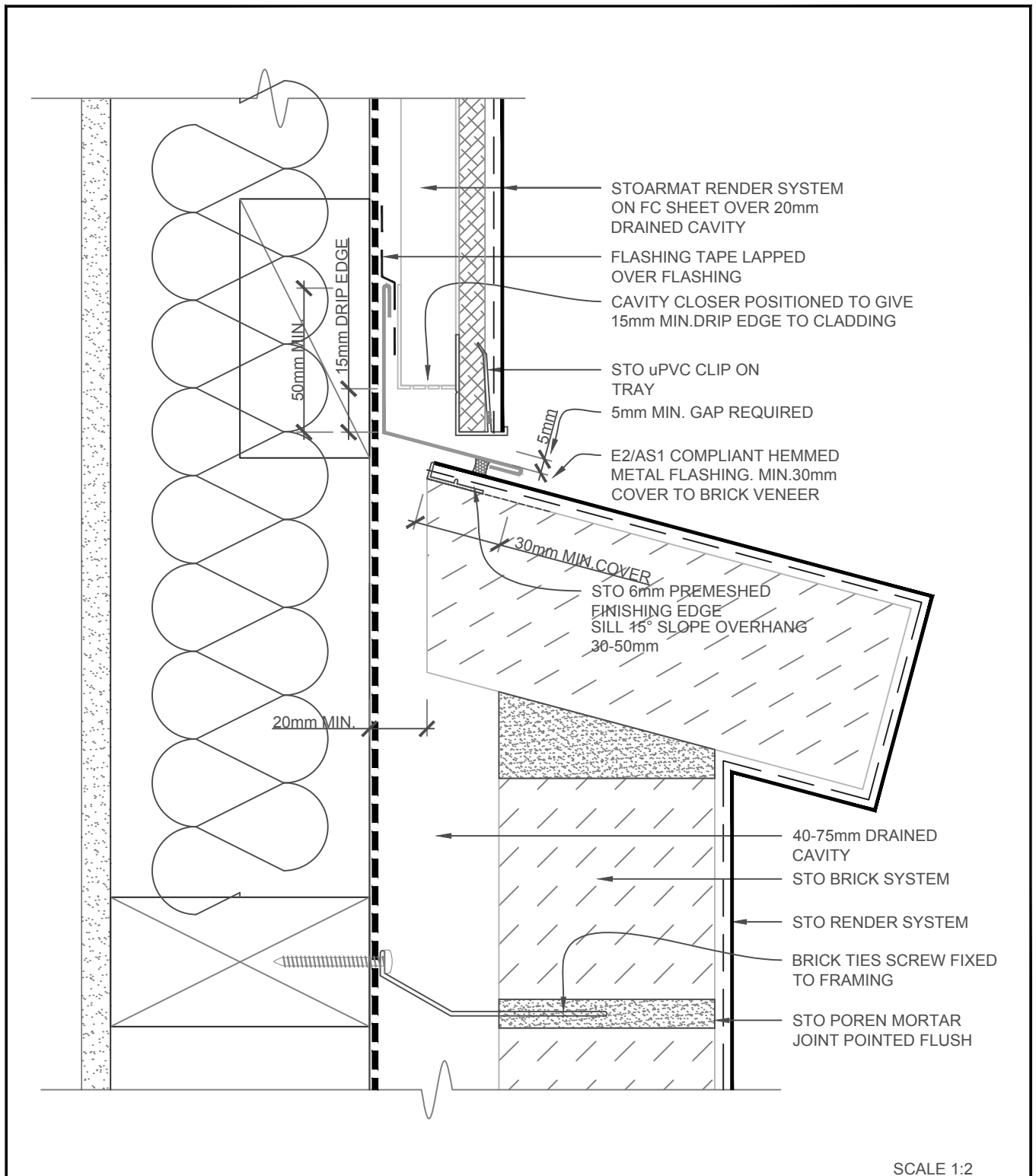
SCALE 1:2

| | | |
|------------------|---|--------|
| STO BRICK SYSTEM | STO BRICK SYSTEM F C SHEET/STO BRICK - EXT.CNR | PB 820 |
| | | 2019 |

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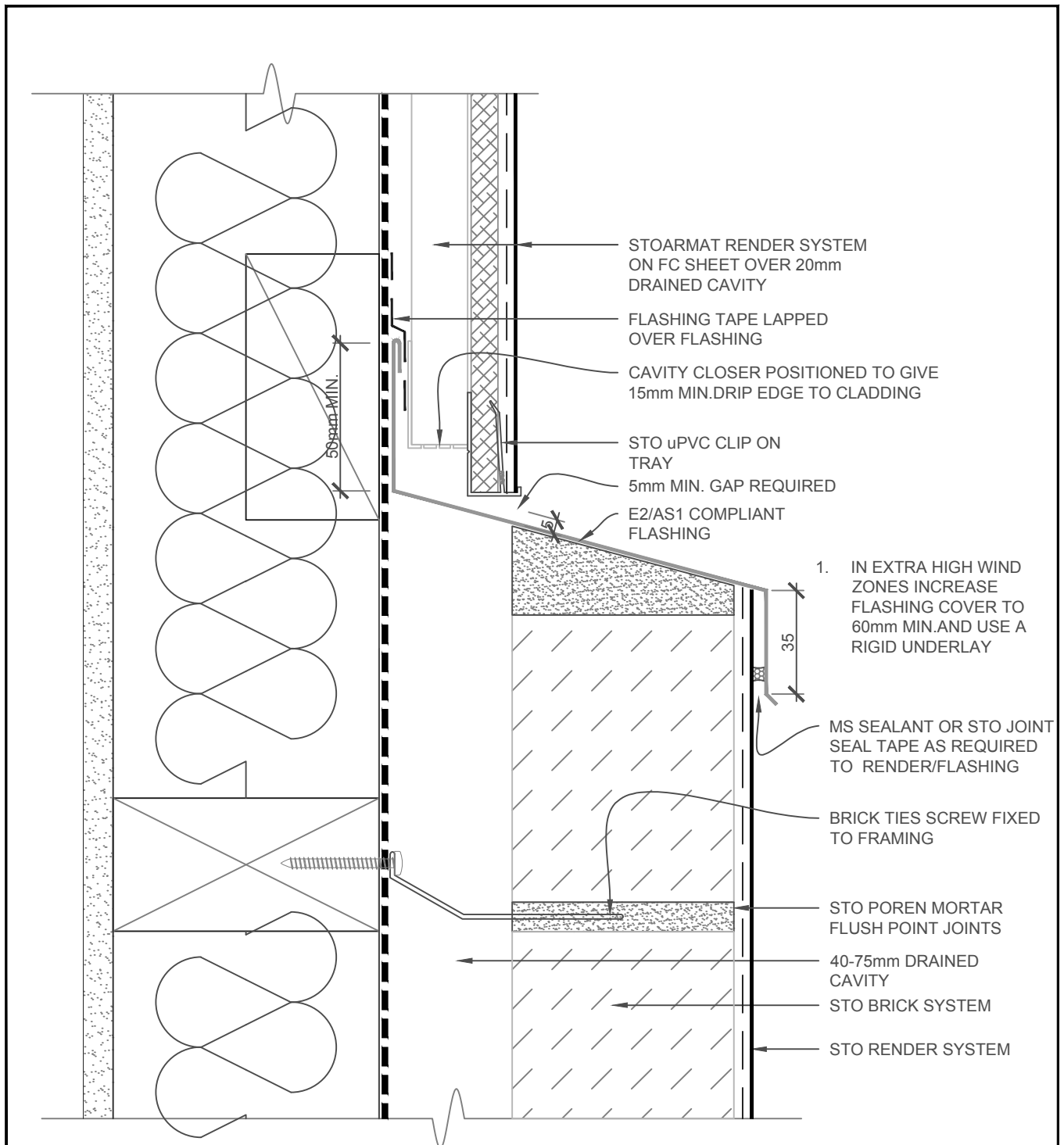




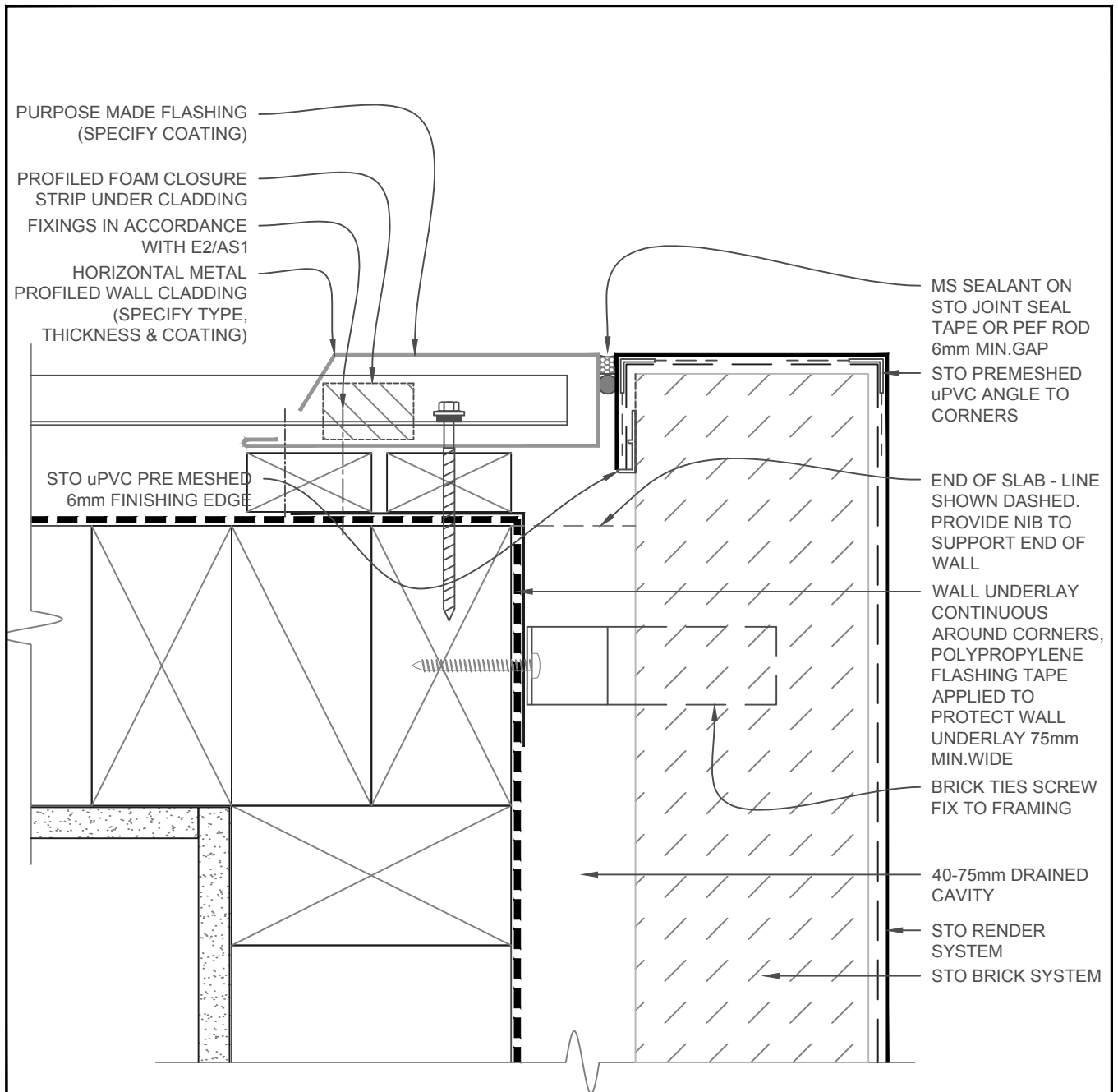


| | | |
|------------------------------------|---|---|
| <p>STO BRICK SYSTEM</p> | <p>STO BRICK SYSTEM</p> <p>FC SHEET - HORIZONTAL JUNCTION - OPT 1</p> | <p>PB 823</p> <p>2019</p> |
|------------------------------------|---|---|

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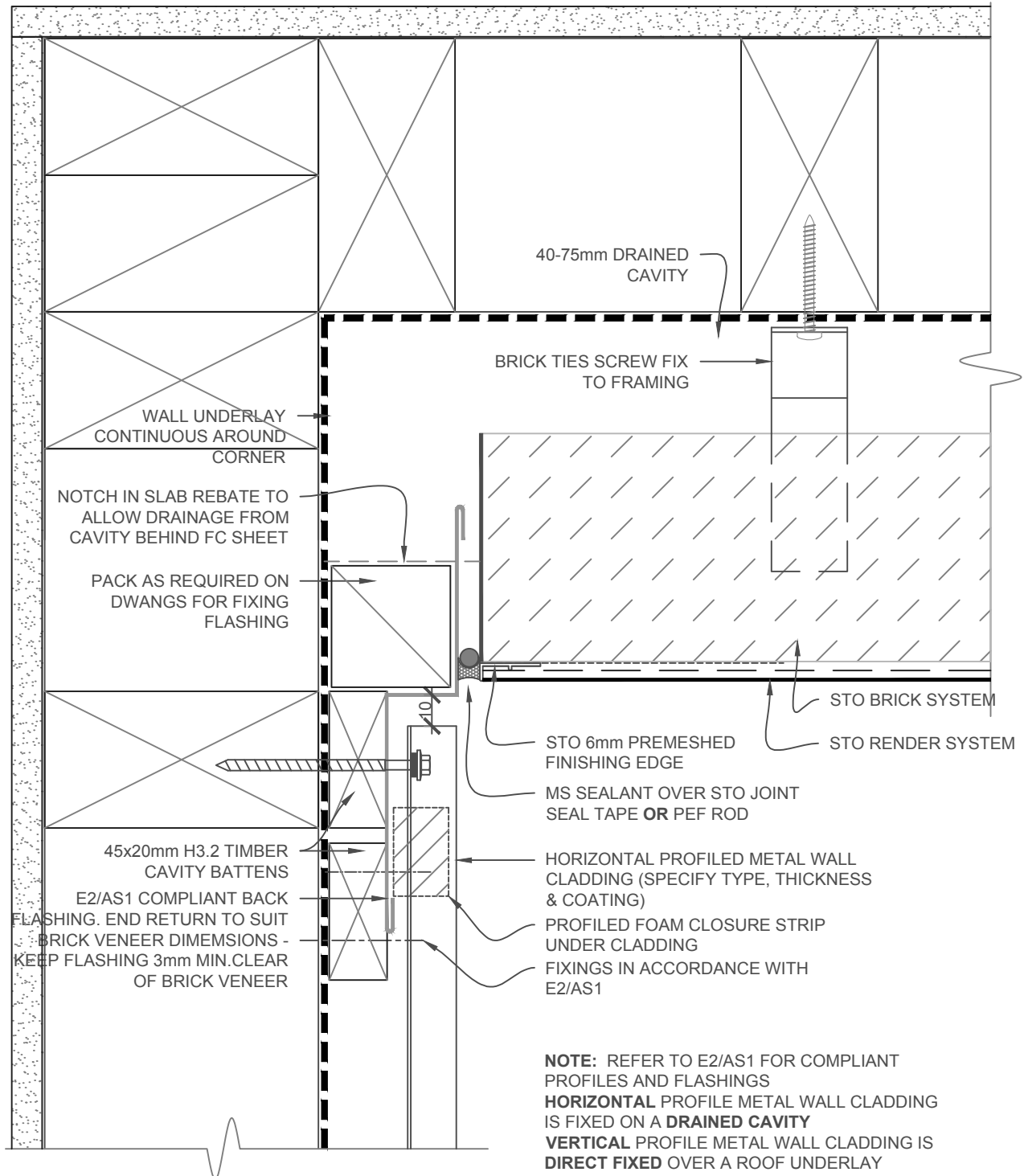
| | | |
|------------------------------------|---|---|
| <p>STO BRICK SYSTEM</p> | <p>STO BRICK SYSTEM</p> <p>FC SHEET - HORIZONTAL JUNCTION - OPT 2</p> | <p>PB 824</p> <p>2019</p> |
|------------------------------------|---|---|



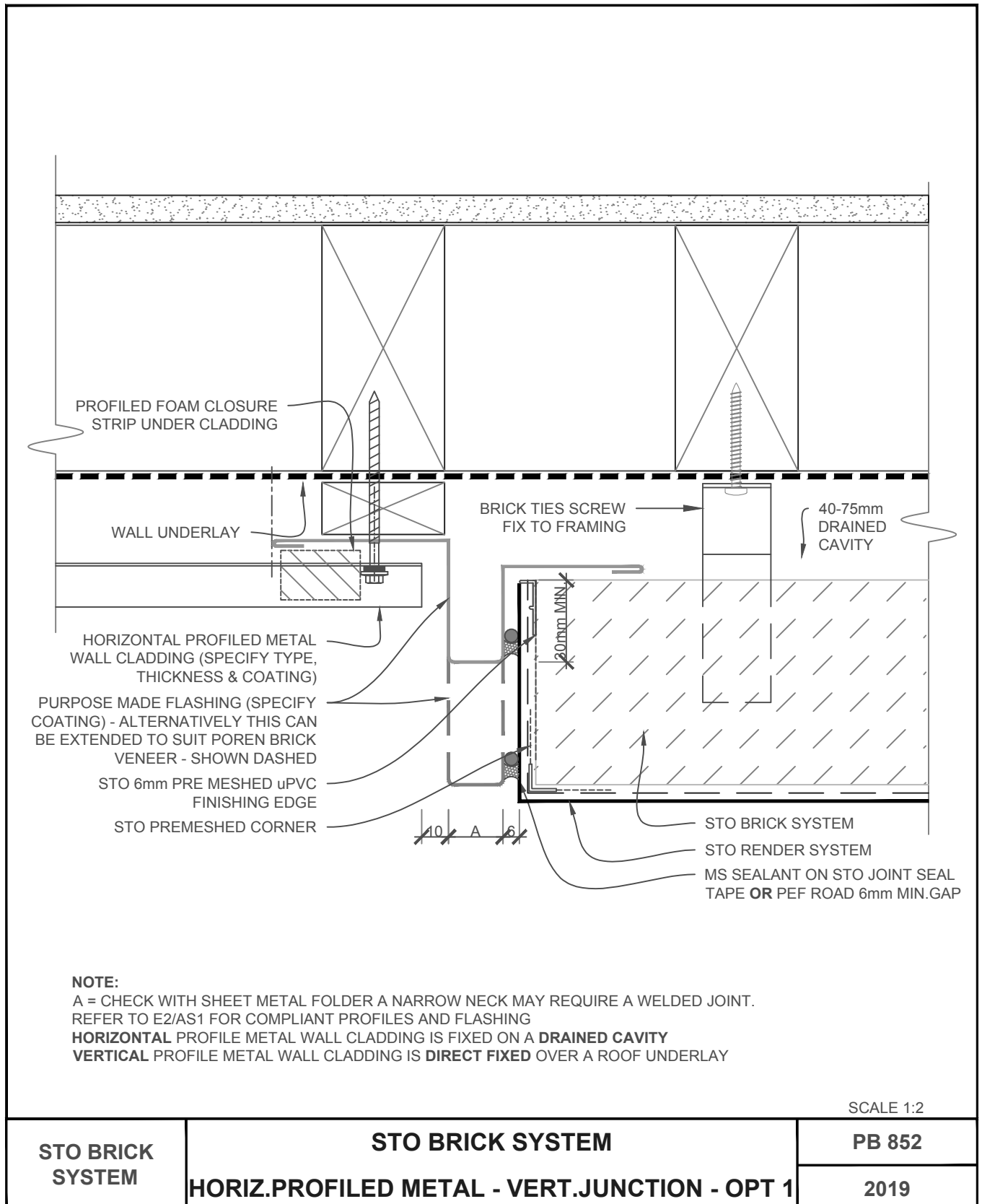
REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS
 HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A DRAINED CAVITY
 VERTICAL PROFILE METAL WALL CLADDING IS DIRECT FIXED OVER A ROOF UNDERLAY

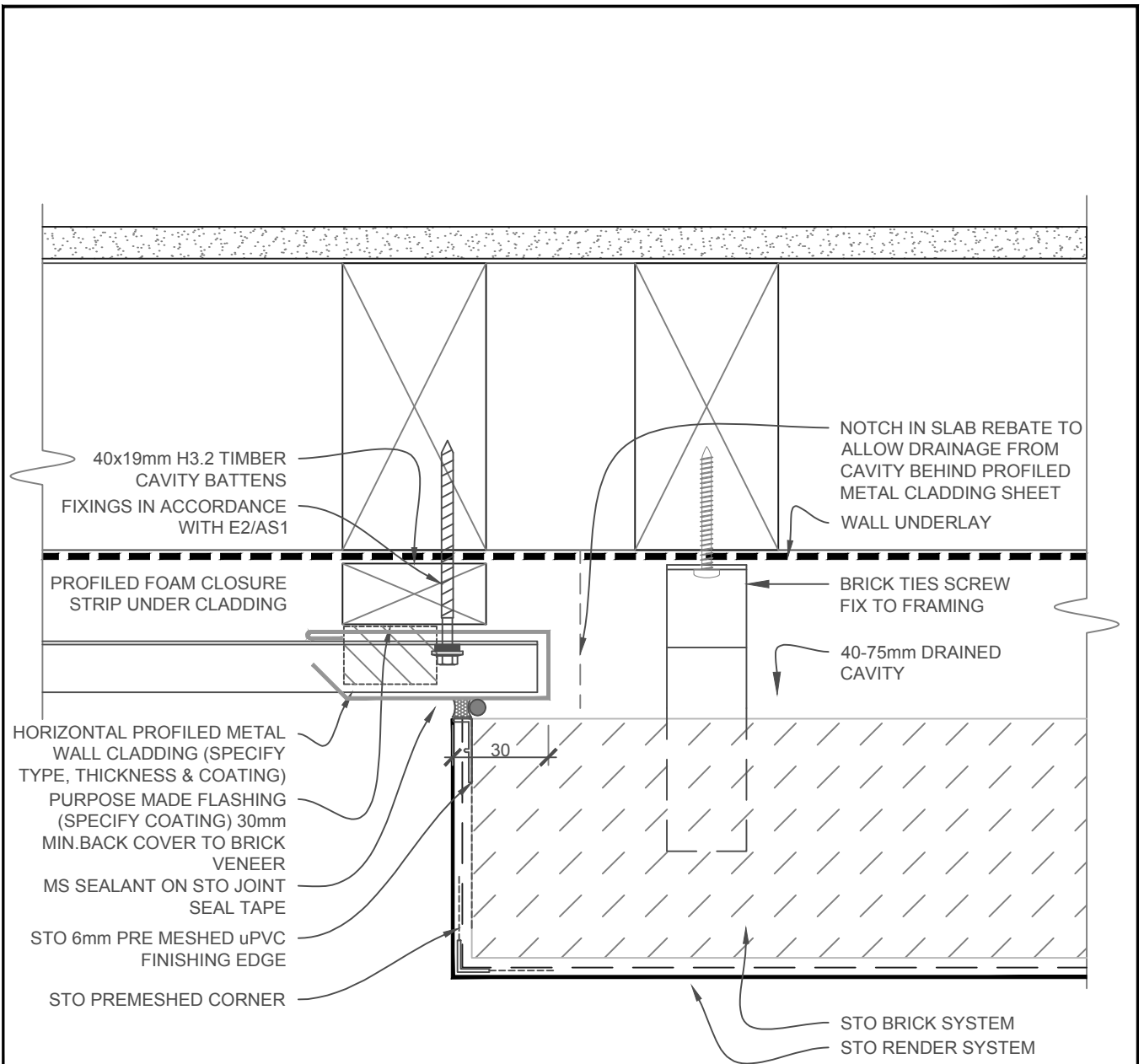
SCALE 1:2

| | | |
|-----------------------------|---|---------------|
| STO BRICK SYSTEM | STO BRICK SYSTEM HORIZ. PROFILED METAL - EXT.CNR | PB 850 |
| | | 2019 |



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| STO BRICK SYSTEM | STO BRICK SYSTEM HORIZ.PROFILED METAL - INT.CNR | PB 851 |
| | | 2019 |





NOTE:

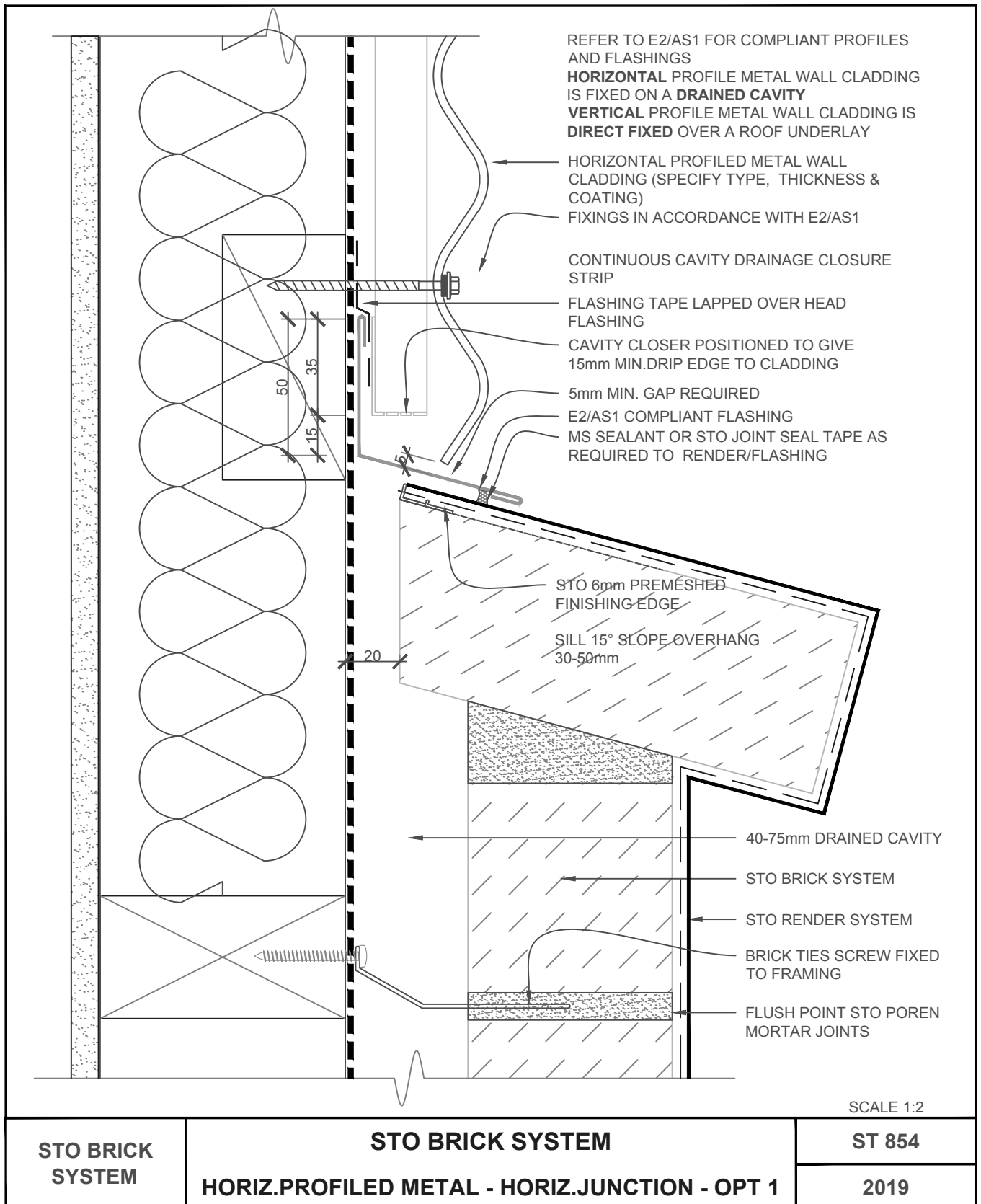
HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A **DRAINED CAVITY**

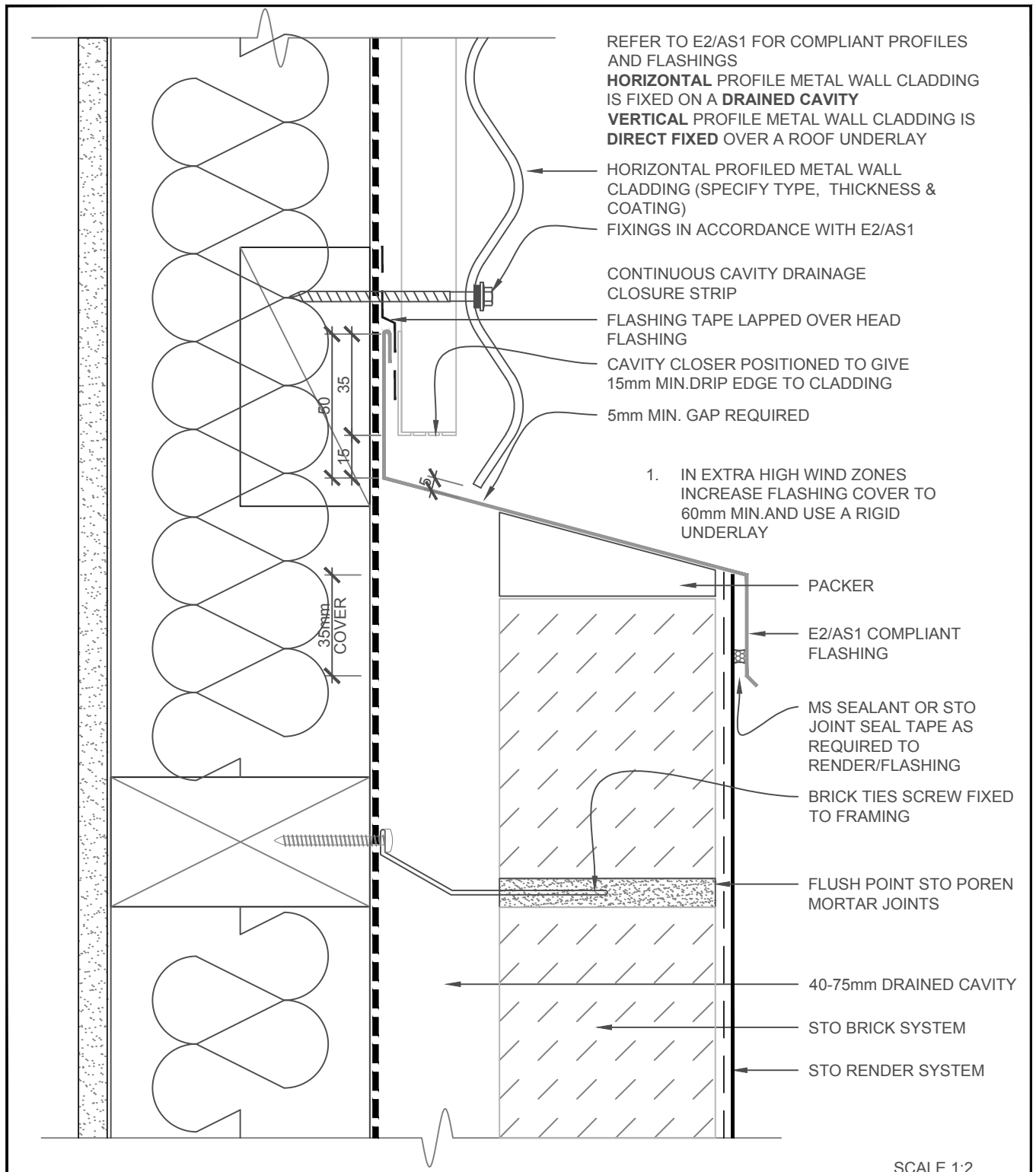
VERTICAL PROFILE METAL WALL CLADDING IS **DIRECT FIXED** OVER A ROOF UNDERLAY

SCALE 1:2

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| STO BRICK SYSTEM | STO BRICK SYSTEM HORIZ.PROFILED METAL - VERT.JUNCTION - OPT 2 | PB 853 |
| | | 2019 |

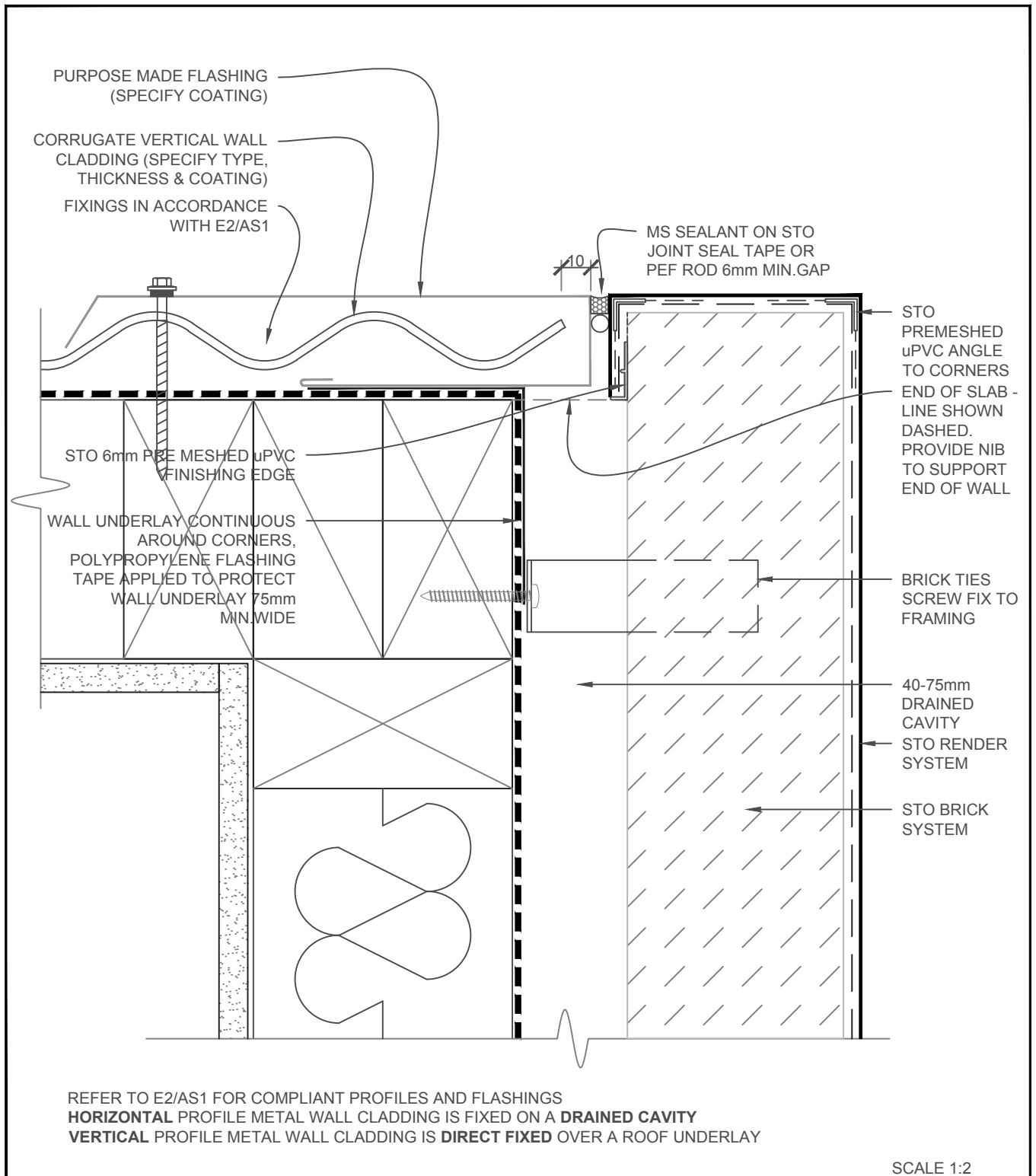
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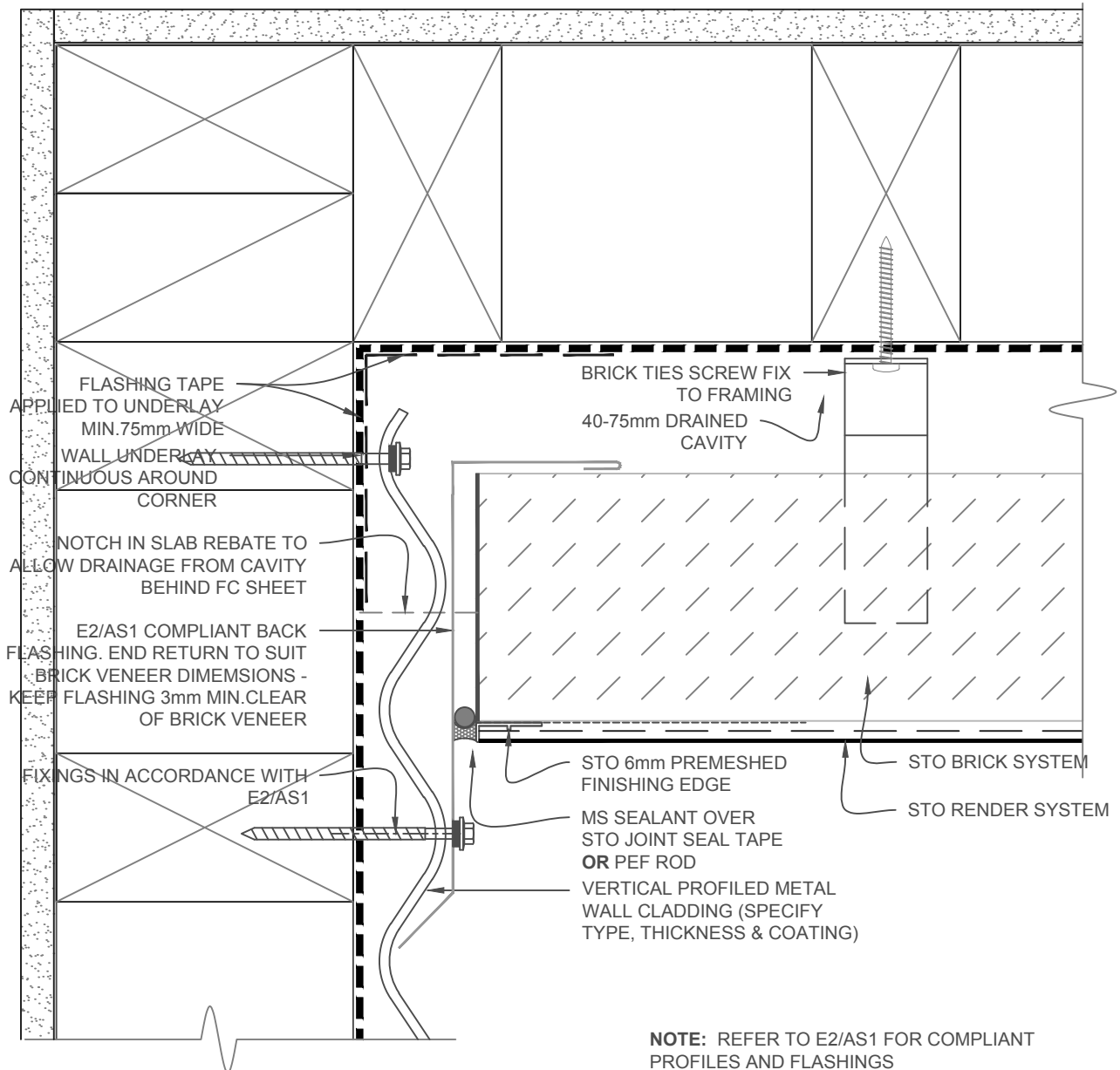


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| STO BRICK SYSTEM | STO BRICK SYSTEM HORIZ.PROFILED METAL - HORIZ.JUNCTION - OPT 2 | PB 855 |
| | | 2019 |

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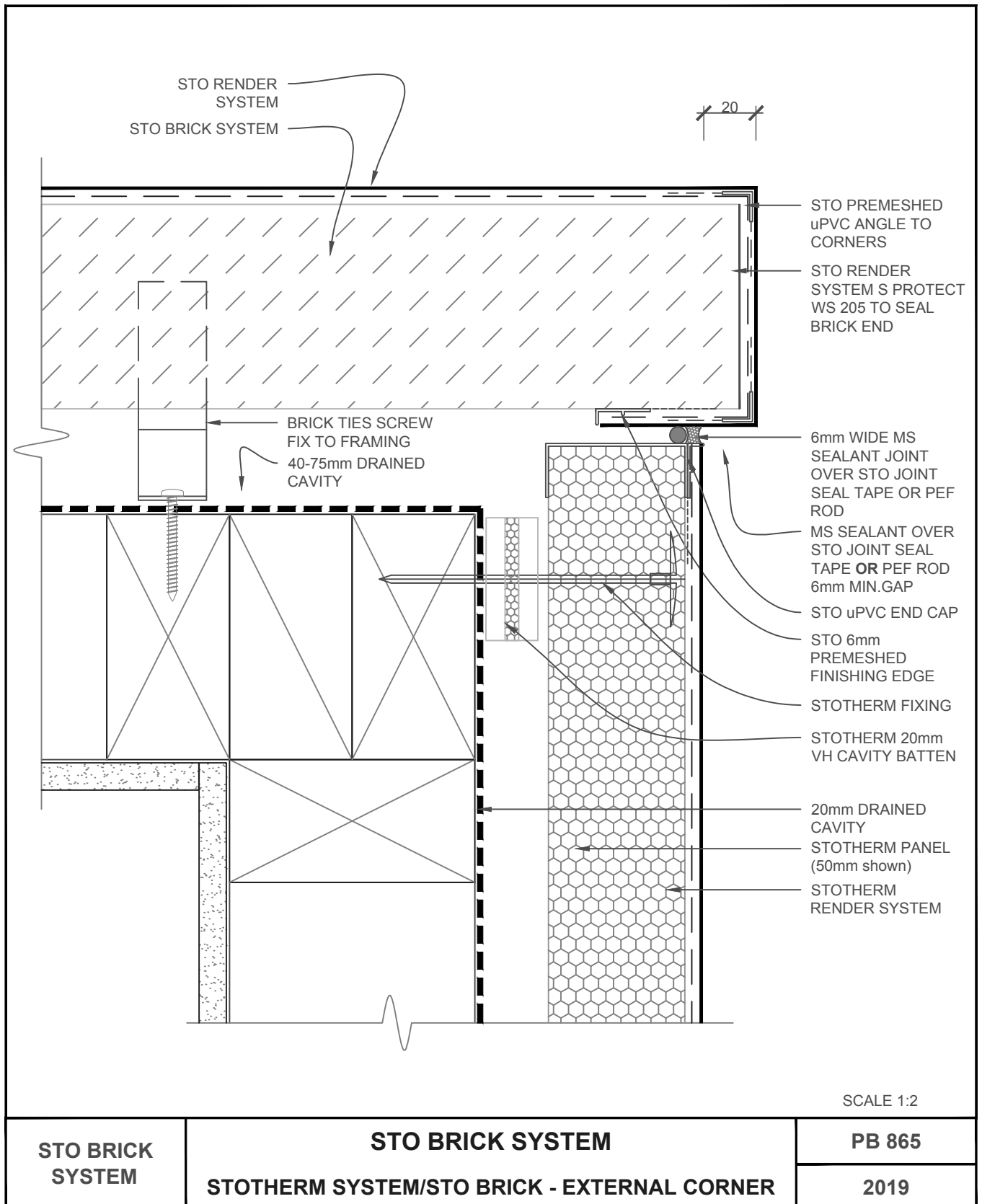
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| STO BRICK SYSTEM | STO BRICK SYSTEM VERTICAL PROFILED METAL CLADDING - EXT.CNR | PB 856 |
| | | 2019 |



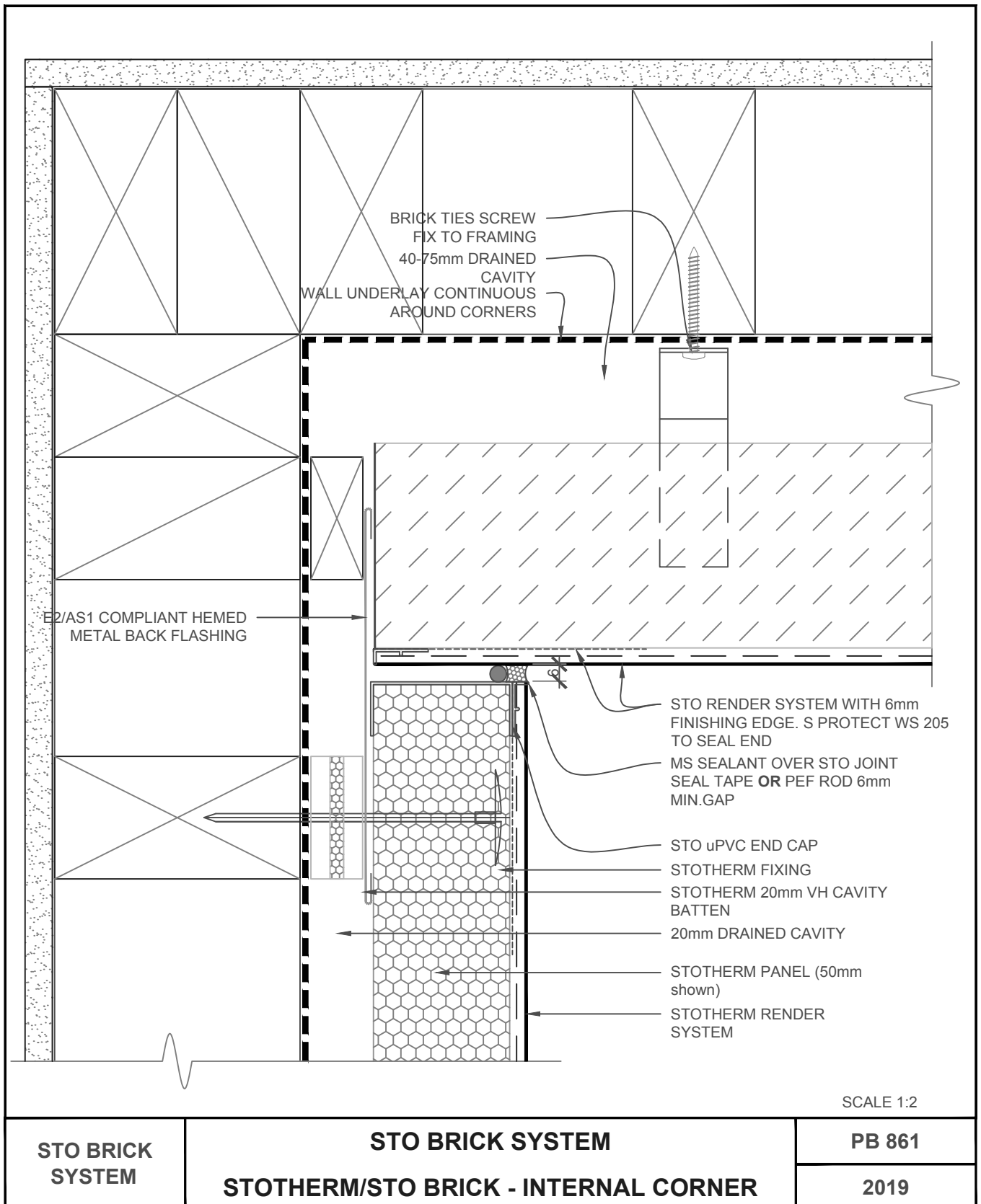
NOTE: REFER TO E2/AS1 FOR COMPLIANT PROFILES AND FLASHINGS
HORIZONTAL PROFILE METAL WALL CLADDING IS FIXED ON A **DRAINED CAVITY**
VERTICAL PROFILE METAL WALL CLADDING IS **DIRECT FIXED** OVER A ROOF UNDERLAY

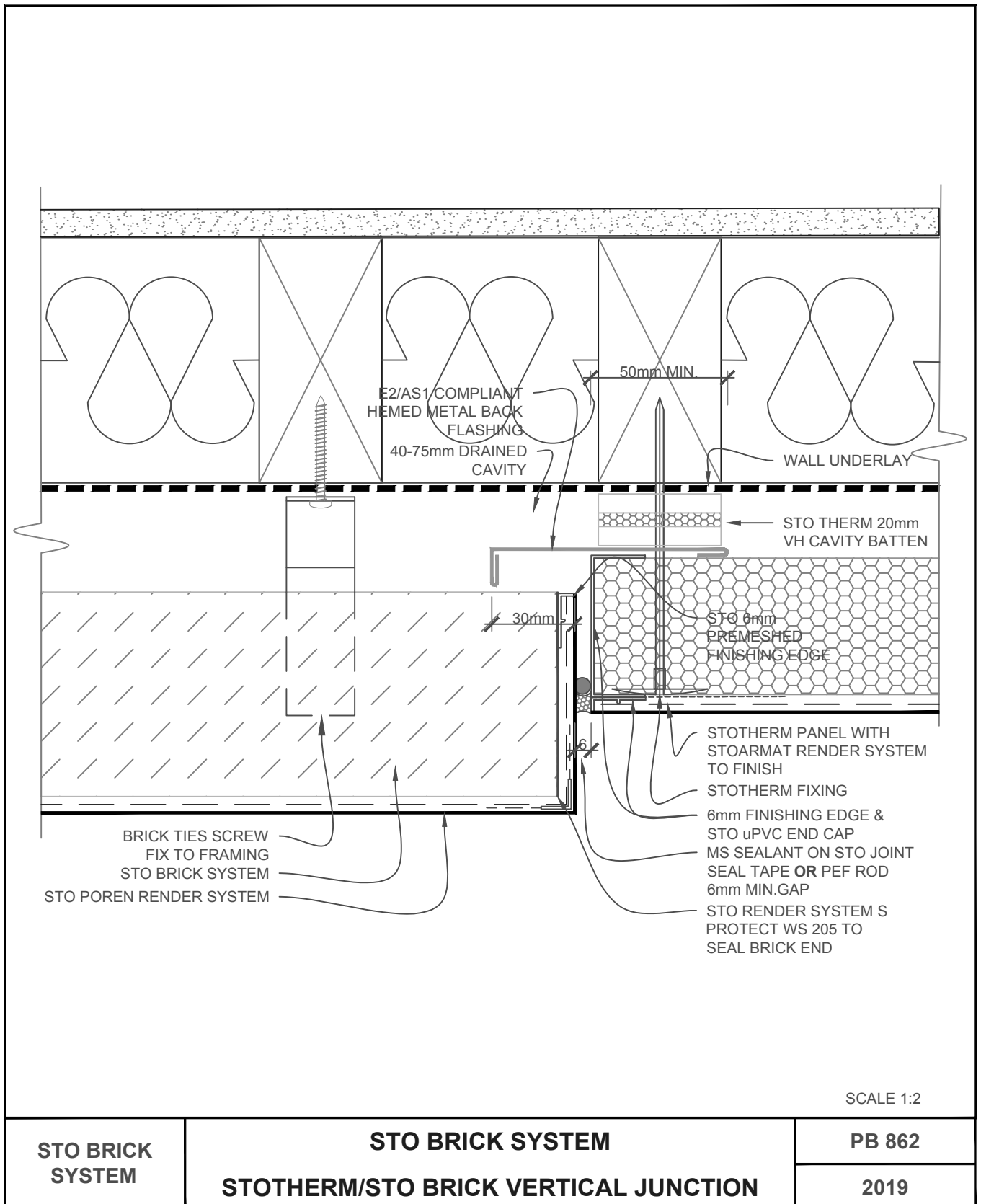
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| STO BRICK SYSTEM | STO BRICK SYSTEM | PB 857 |
| | VERTICAL PROFILED METAL - INTERNAL CORNER | 2019 |

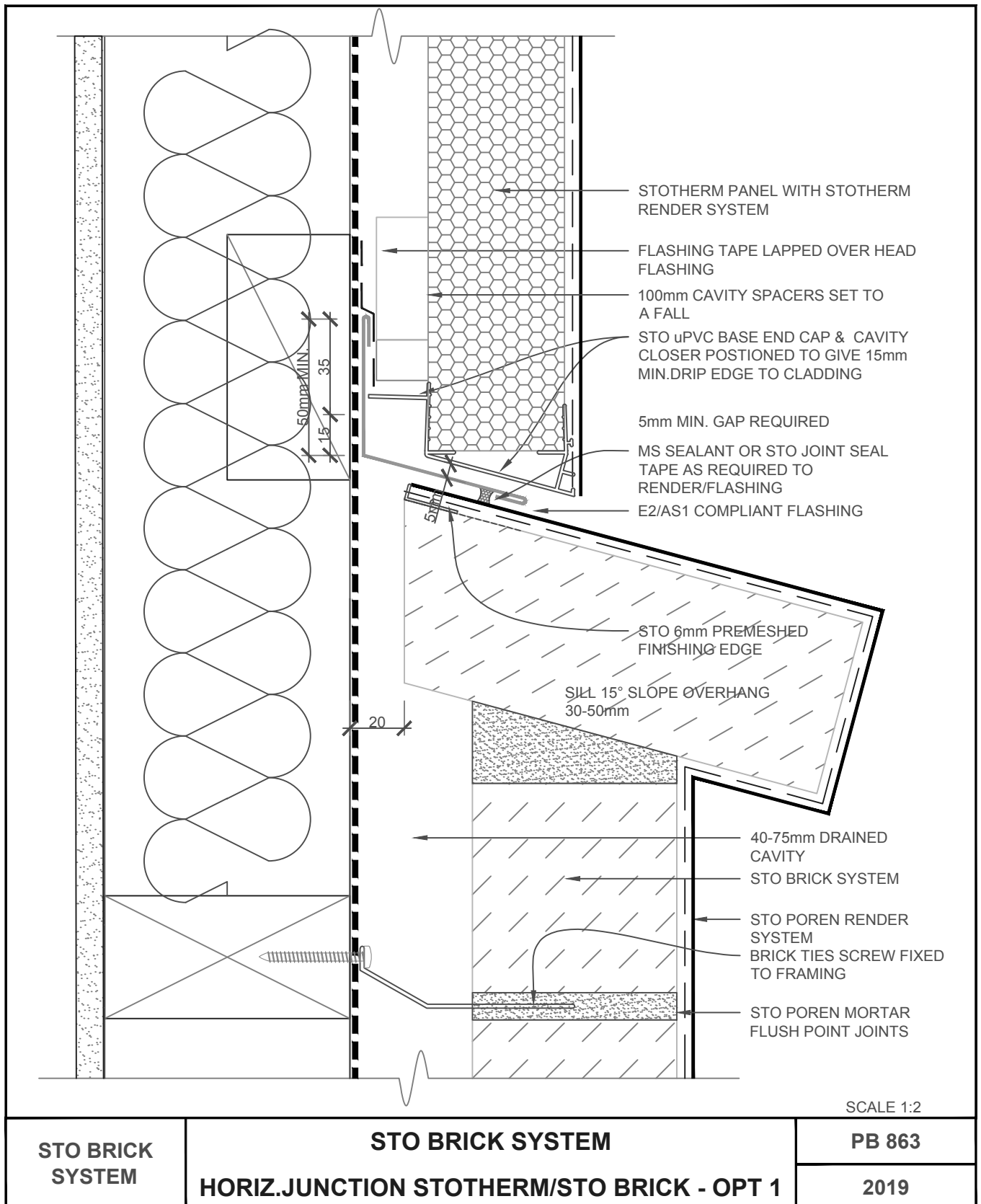


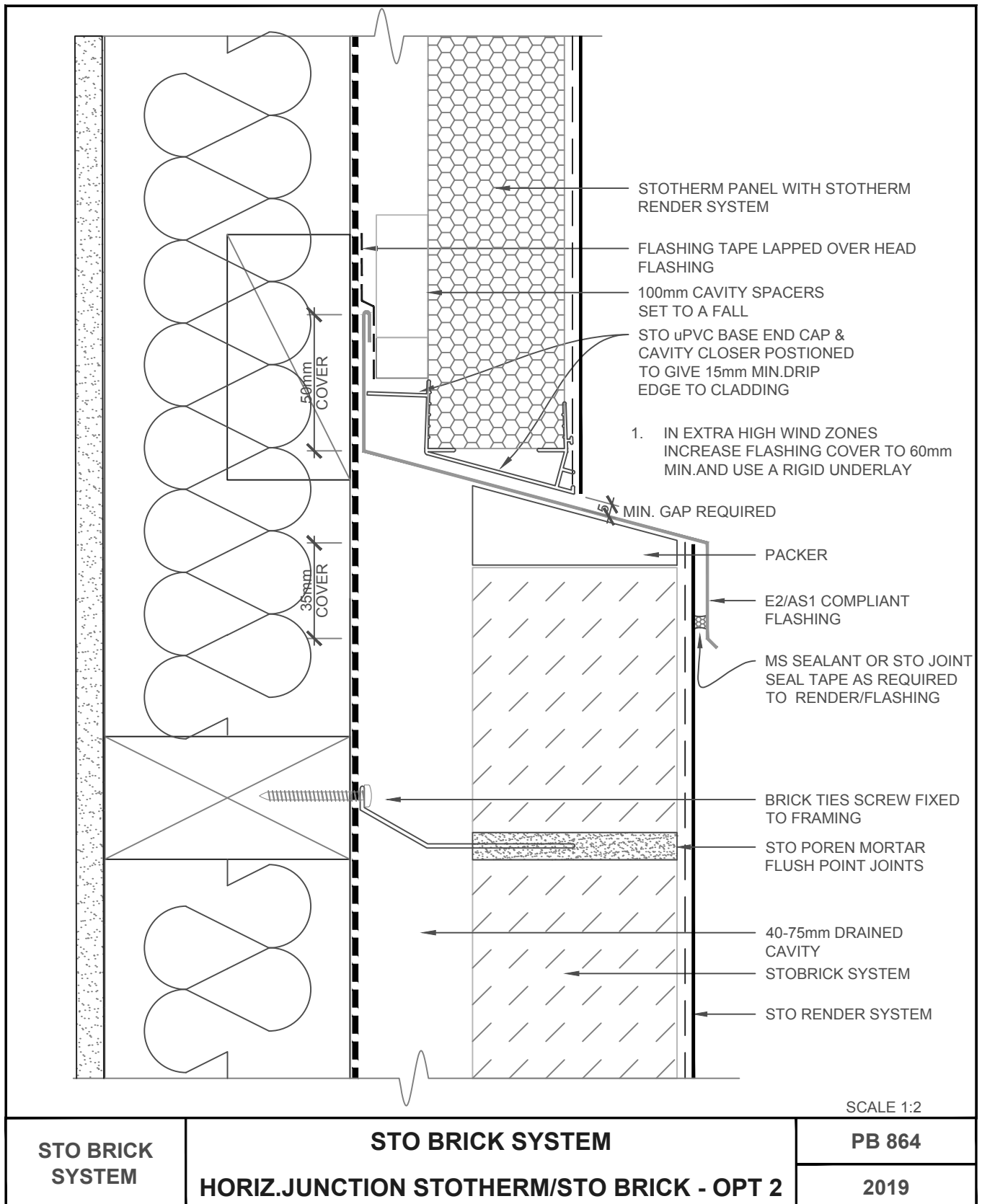
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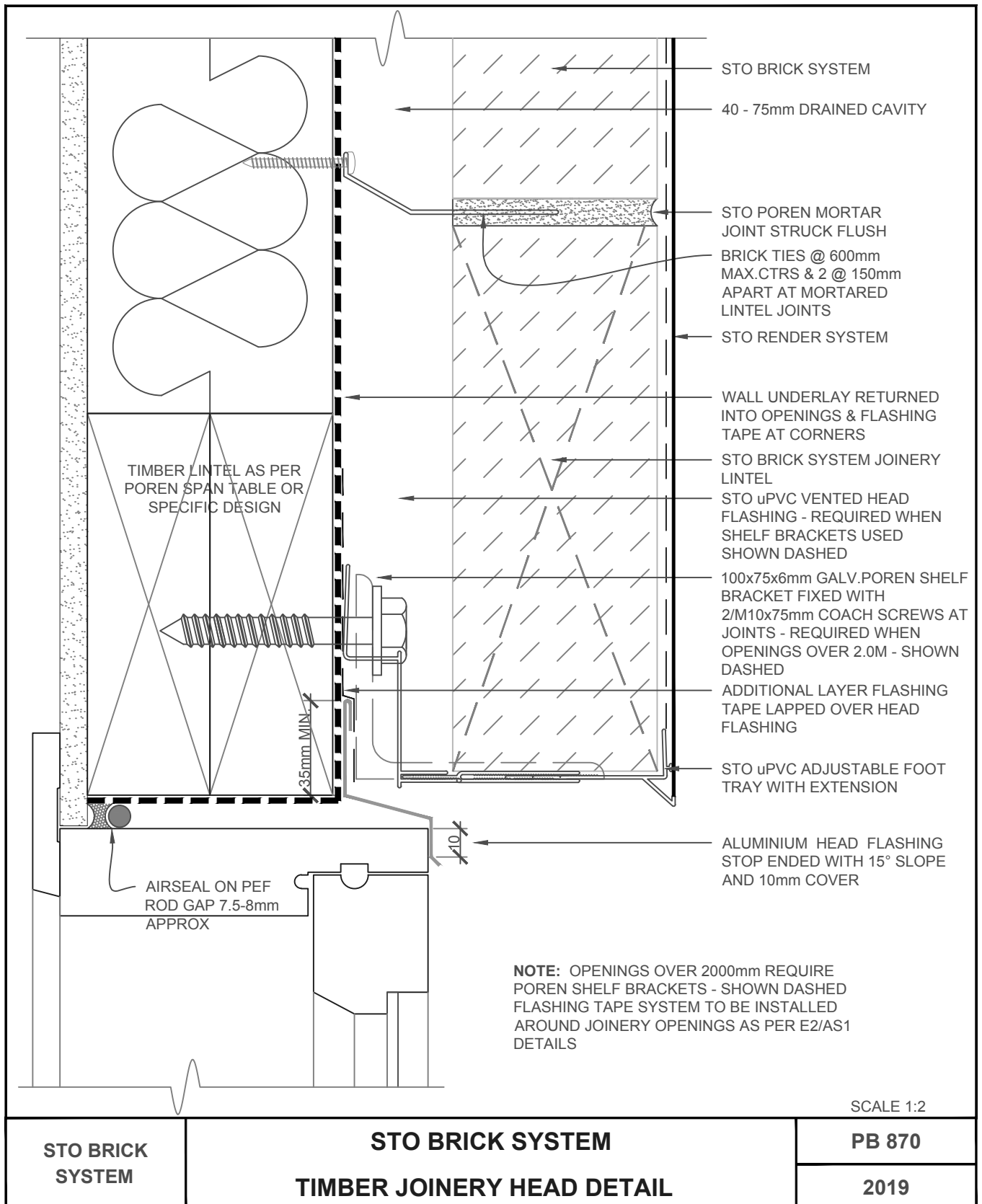


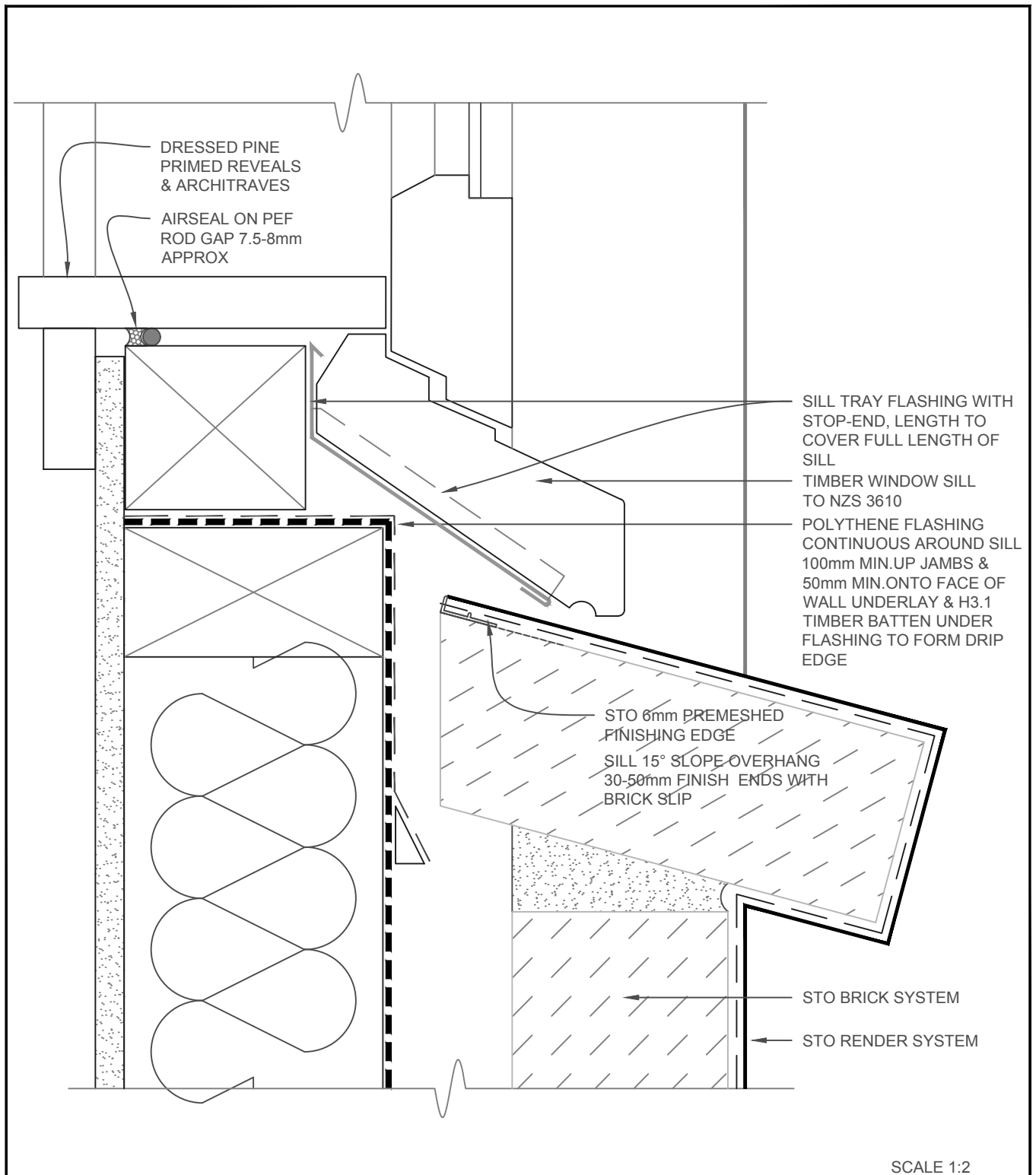


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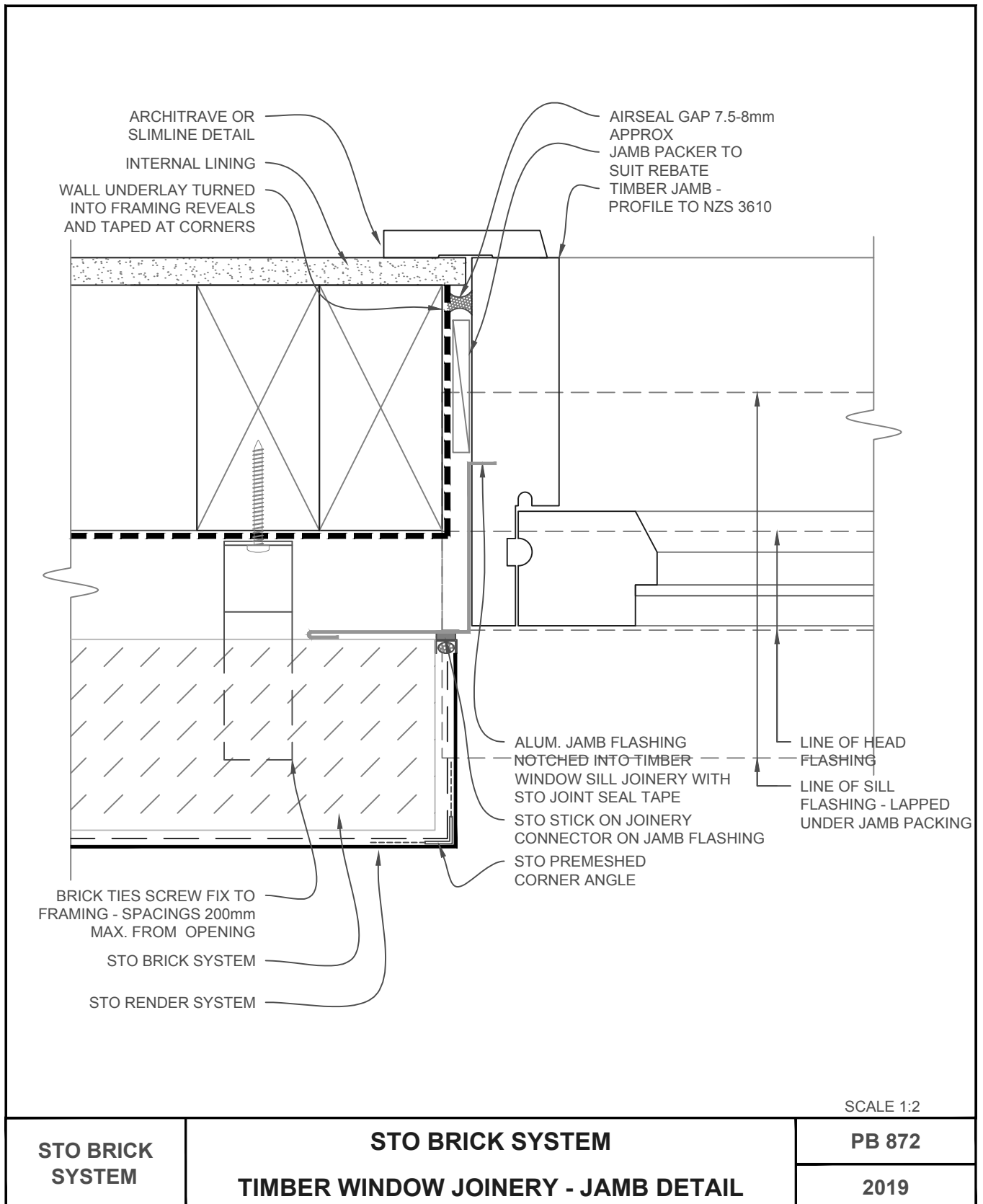


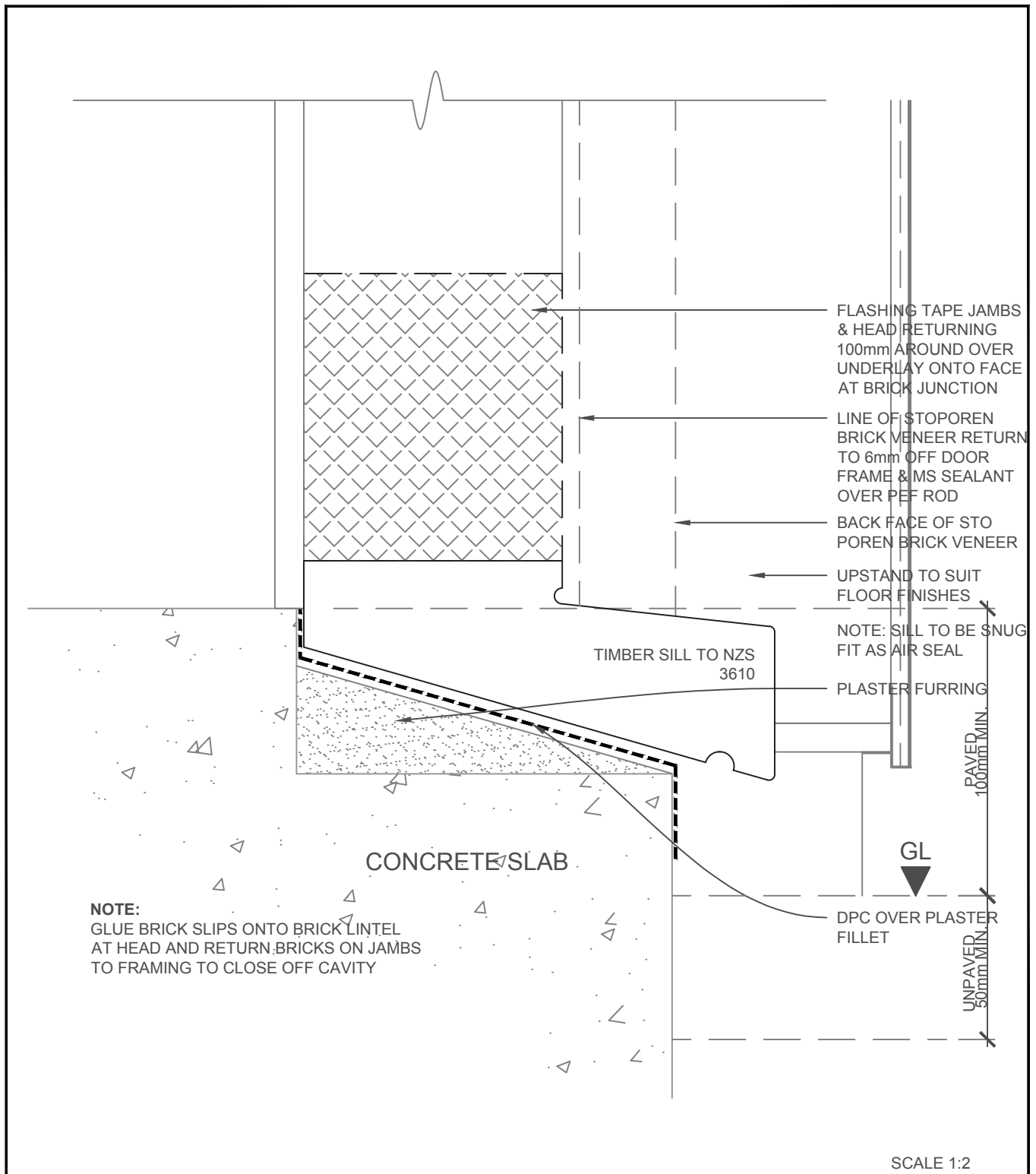




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| STO BRICK SYSTEM | STO BRICK SYSTEM TIMBER JOINERY SILL DETAIL | PB 871 2019 |
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| STO BRICK SYSTEM | STO BRICK SYSTEM TIMBER DOOR JOINERY - CONC.FLOOR THRESHOLD DETAIL | PB 873 |
| | | 2019 |

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