

STO DRAWING REGISTER

<u>Drawing Description</u>	<u>Drawing No.</u>	<u>Date</u>
Layout Series 100		
StoArmat Render System StoArmat Plaster System - Isometric	AP 100	2026
StoArmat Render System Axon Panel Smooth Layout	AP 101	2026
StoArmat Render System Axon Panel Smooth Information	AP 102	2026
Foundation Series 200		
StoArmat Render System Foundation Slab-on-Ground	AP 200	2026.8
StoArmat Render System Rebated Foundation Slab-on-Ground	AP 201	2026
StoArmat Render System Concrete Foundation Timber Floor	AP 202	2026
StoArmat Render System Concrete Block Foundation Edge Detail	AP 203	2026
StoArmat Render System Maxraft Floor System - Edge Detail	AP 204	2026
Walls Series 300		
StoArmat Render System Internal Corner	AP 300	2026
StoArmat Render System External Corner	AP 301	2026
StoArmat Render System Vertical Flush Joint	AP 302	2026
StoArmat Render System Vertical Control Joint	AP 303	2026
StoArmat Render System Horizontal Flush Joint	AP 304	2026
StoArmat Render System Horizontal Control Joint	AP 305	2026
StoArmat Render System Horizontal Drained Junction	AP 306	2026
Wall Penetrations & Fittings Series 350		
StoArmat Render System Pipe Penetration Detail (up to 100mm)	AP 350	2026
StoArmat Render System Light Fitting Fixing Detail	AP 351	2026
StoArmat Render System Tap Fitting Fixing Detail	AP 352	2026
StoArmat Render System Handrail Bracket Fixing Detail	AP 353	2026
StoArmat Render System Meterbox Cross Section	AP 354	2026
StoArmat Render System Fan Vent Detail	AP 355	2026

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 MANUFACTURES 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

PAGE 1

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM DRAWING REGISTER	AP 001
		2026.8

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STO DRAWING REGISTER

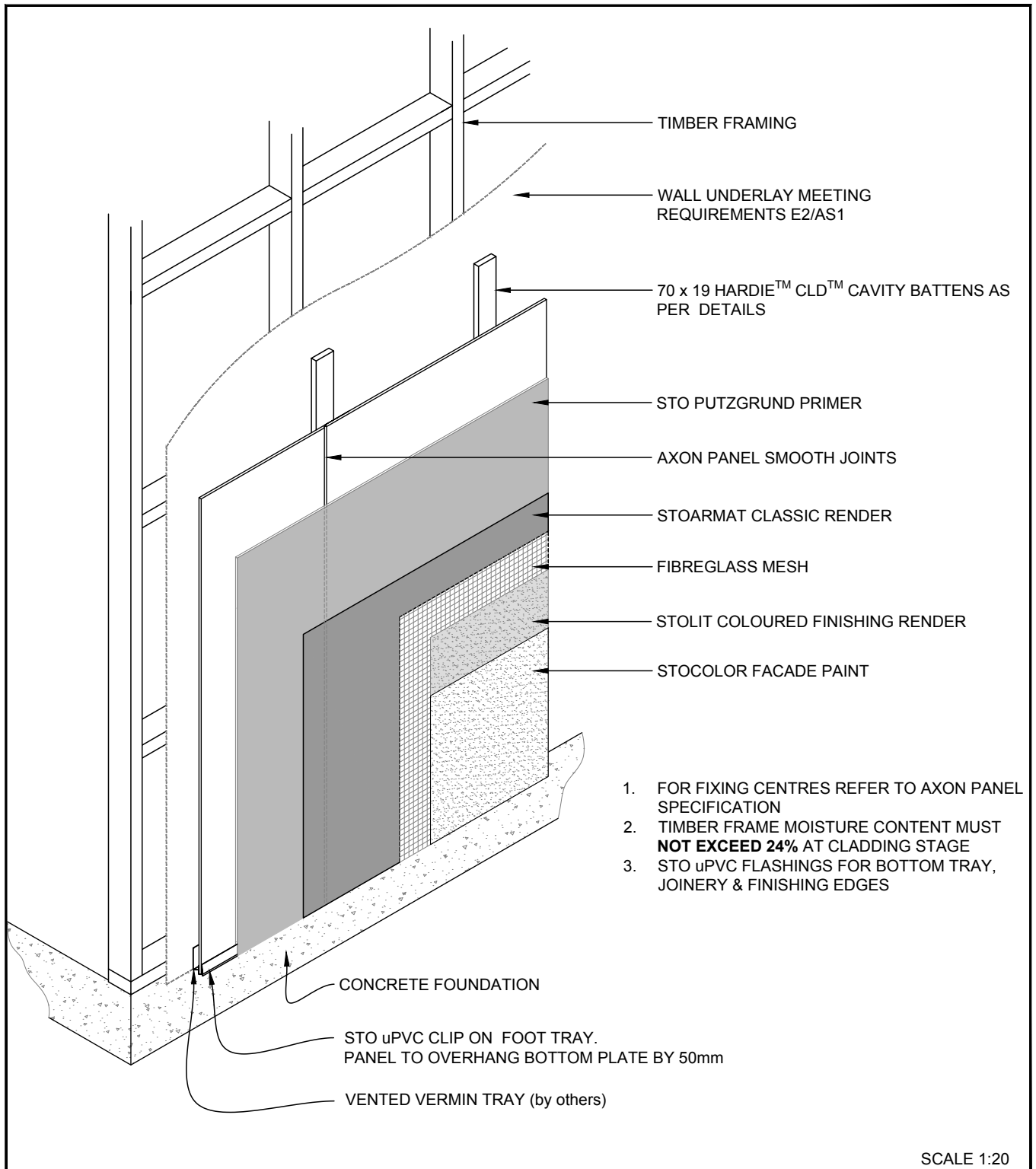
<u>Drawing Description</u>	<u>Drawing No.</u>	<u>Date</u>
Joinery Series 400		
StoArmat Render System Alu.Joinery - Head Detail	AP 400	2026
StoArmat Render System Alu.Joinery - Sill Detail	AP 401	2026.8
StoArmat Render System Alu.Joinery - Jamb Detail	AP 402	2026
StoArmat Render System Garage Door - Timber Head Detail	AP 403	2026
StoArmat Render System Garage Door - Timber Jamb Detail	AP 404	2026
StoArmat Render System Garage Door - Rendered Head Detail	AP 405	2026
StoArmat Render System Garage Door - Rendered Jamb Detail	AP 406	2026
Parapets, Balustrades, Decks Series 500		
StoArmat Render System Parapet Metal Flashing Detail	AP 500	2026
StoArmat Render System Rendered Balustrade Detail	AP 501	2026
StoArmat Render System Metal Saddle Flashing and Cap - Isometric	AP 502	2026
StoArmat Render System StoFlexyl Meshed Waterproofing Cap - Isometric	AP 503	2026
StoArmat Render System Balustrade Enclosed Deck Detail	AP 504	2026
StoArmat Render System Timber Beam / Pergola Detail	AP 505	2026
Soffit Series 600		
StoArmat Render System Flat Soffit Wall Junction	AP 600	2026
StoArmat Render System Raking Soffit Wall Junction	AP 601	2026
StoArmat Render System Face Fixed Fascia	AP 602	2026
StoArmat Render System Raking Soffit Reversed	AP 603	2026.8
StoArmat Render System Raking Soffit - Sto uPVC Control Joint	AP 604	2026.8
StoArmat Render System Gutter Wall Junction - Isometric	AP 605	2026
Roof Series 700		
StoArmat Render System Apron Flashing	AP 700	2026.8
StoArmat Render System Parallel Apron Flashing	AP 701	2026.8
StoArmat Render System Inter-storey Flat Membrane Roof Stopend	AP 702	2026
StoArmat Render System Parallel Roof Hidden Gutter	AP 703	2026.8
StoArmat Render System Face Fixed Fascia Barge	AP 704	2026.8
StoArmat Render System Framed Chimney	AP 705	2026

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STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM DRAWING REGISTER	AP 002
		2026.8

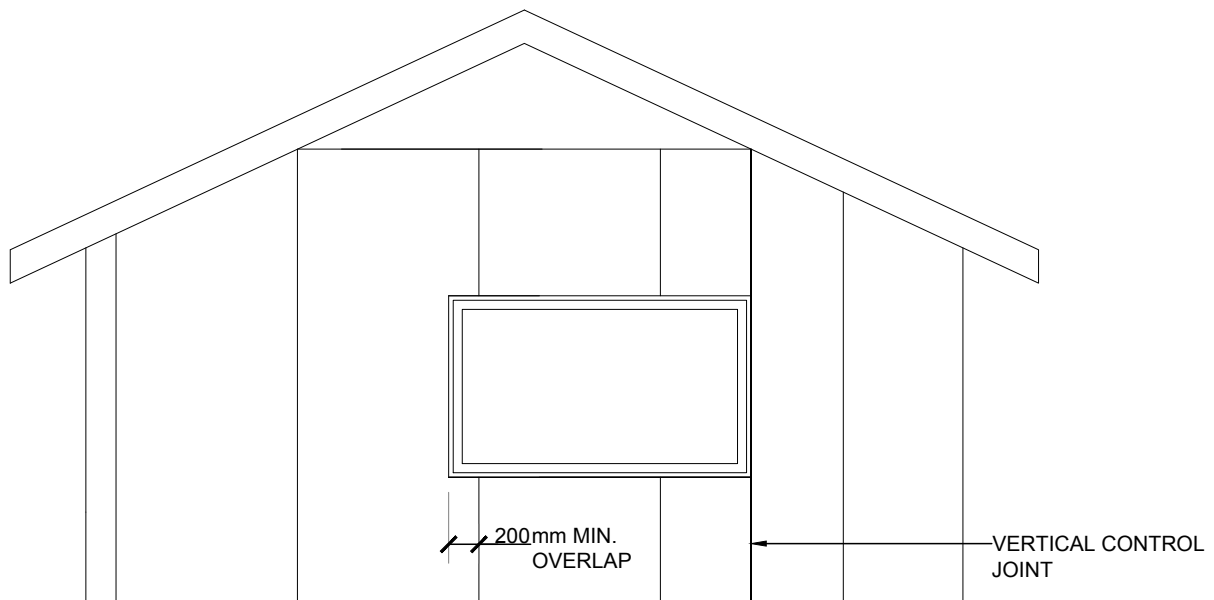
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STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM STOARMAT RENDER SYSTEM - ISOMETRIC	AP 100
		2026

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1. KEEP SHEETS DRY BEFORE USING.
2. READ SPECIFICATIONS AND CHECK DRAWINGS, DETAILS, FRAMING, UNDERLAY, FLASHING TAPES AND BLOCKING IS SATISFACTORY
3. INSTALL STO uPVC TRAY AND JOINERY FLASHING AS PER STO DETAILS (BUILDER TO SUPPLY ALUMINIUM HEAD FLASHING WITH STOPENDS)
4. CHECK LAYOUT AND INSTALL PANELS VERTICALLY STARTING FROM BOTTOM PLATE AS PER MANUFACTURERS DETAILS
5. SECURE PANELS WITH FIXINGS AS PER MANUFACTURERS DETAILS
6. MEASURE DISTANCES ACCURATELY TO AVOID NARROW INFILL OR GAPS

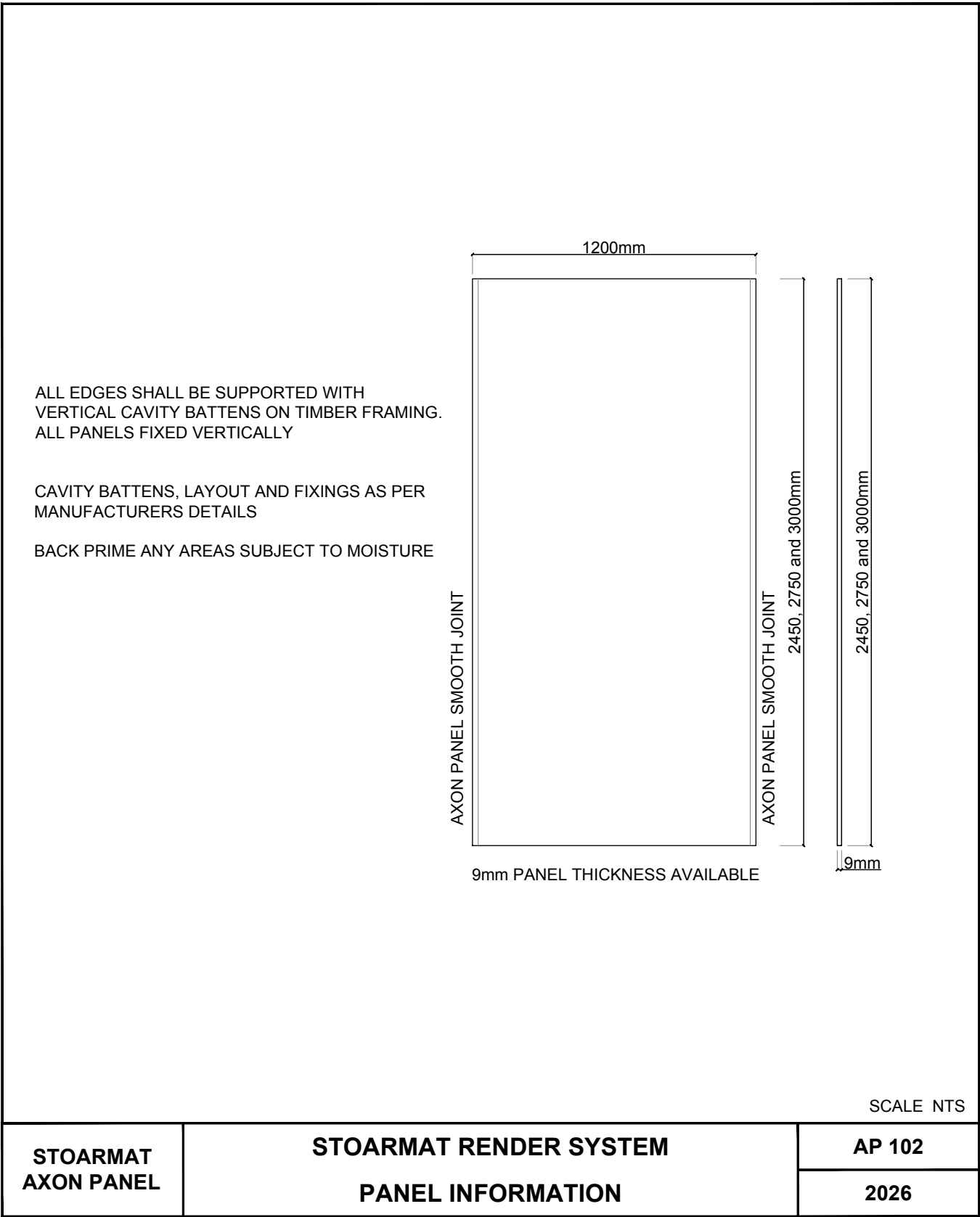


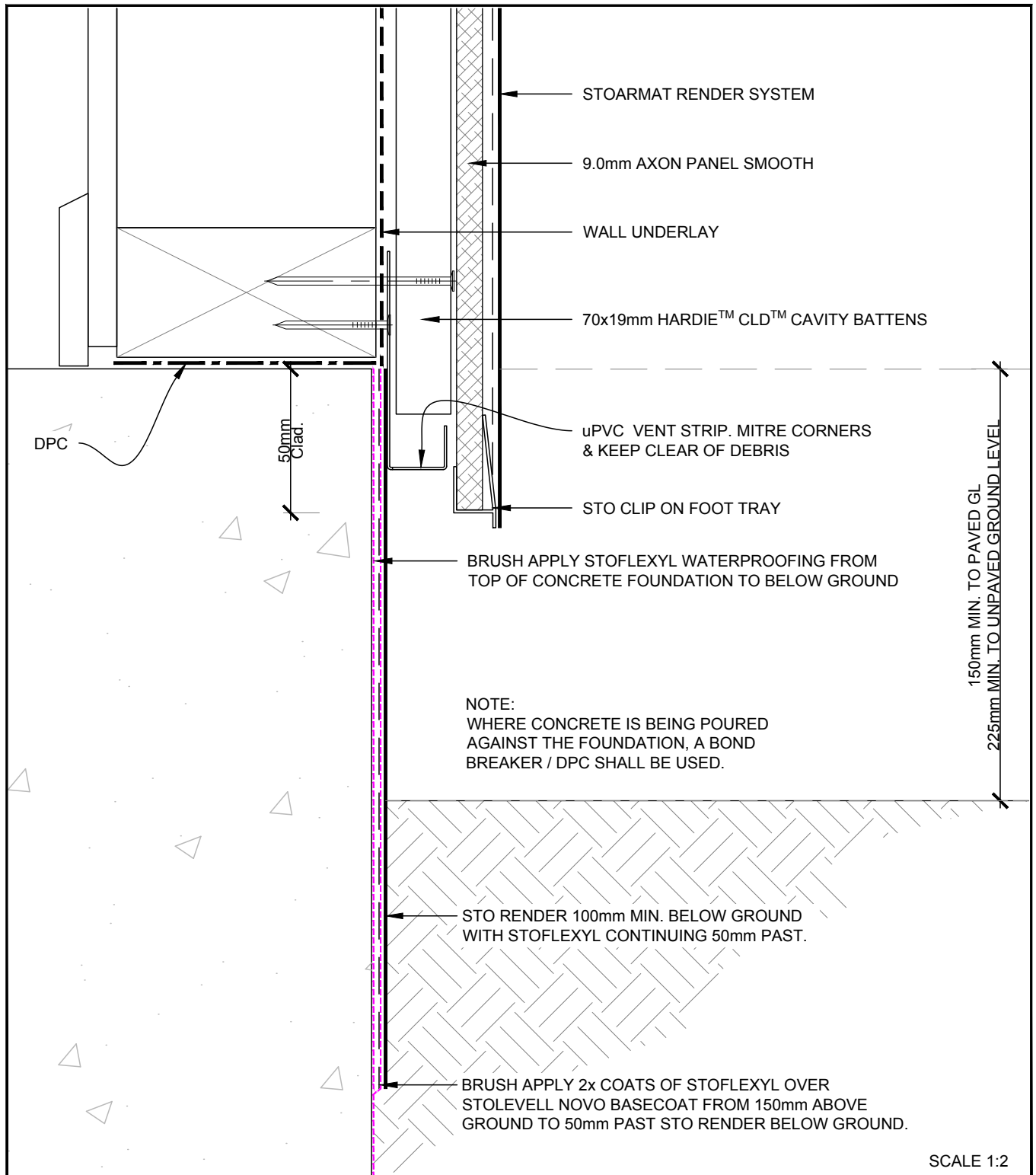
HORIZONTAL CONTROL JOINTS AT INTER-STOREY JUNCTIONS OR AT 5400mm MAX. ON CONTINUOUS STUDS
 VERTICAL CONTROL JOINTS - 5400mm MAX.CTRS OR AT DISSIMILAR MATERIAL JUNCTIONS.

SCALE 1:50

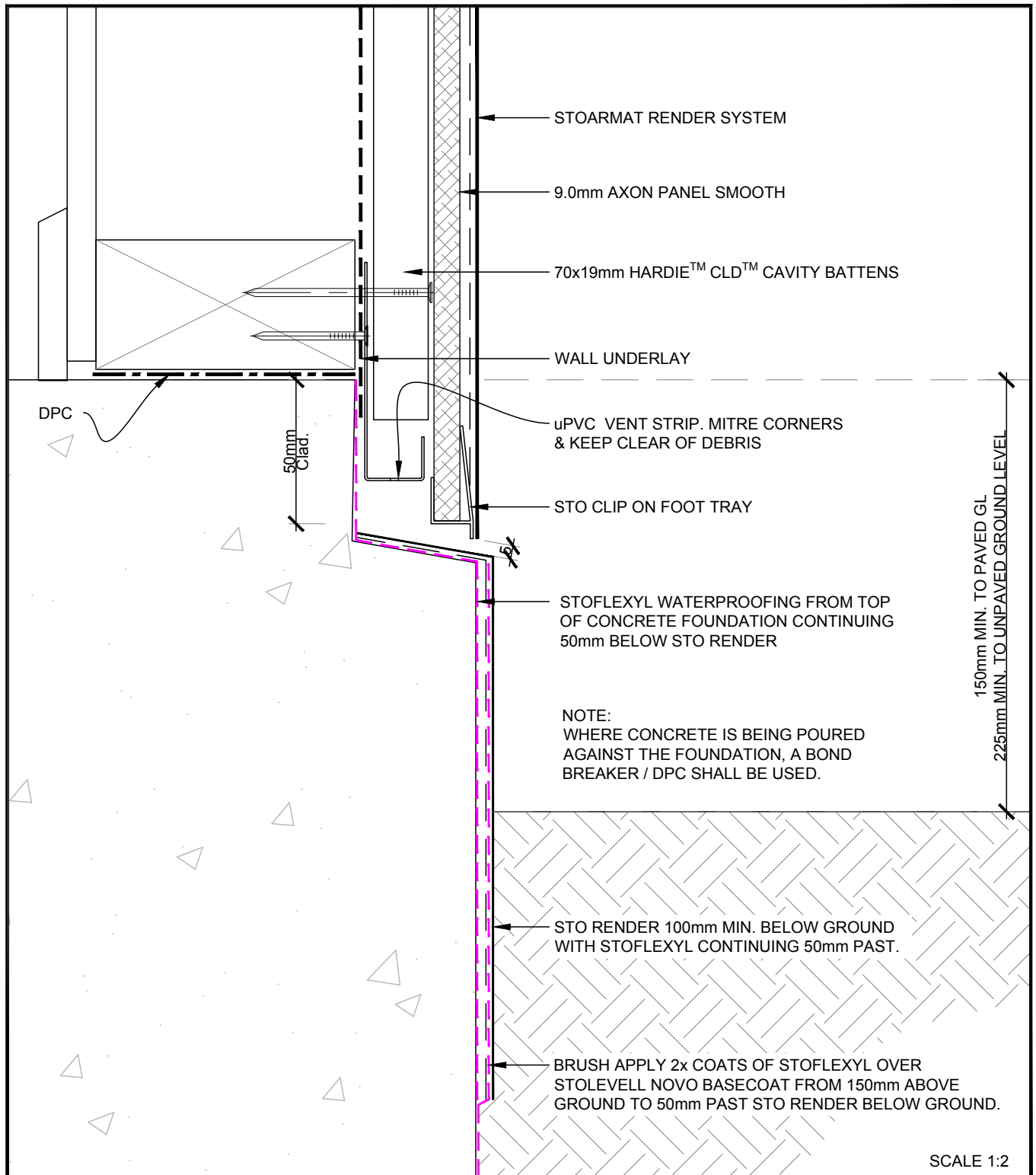
STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM PANEL LAYOUT	AP 101
		2026

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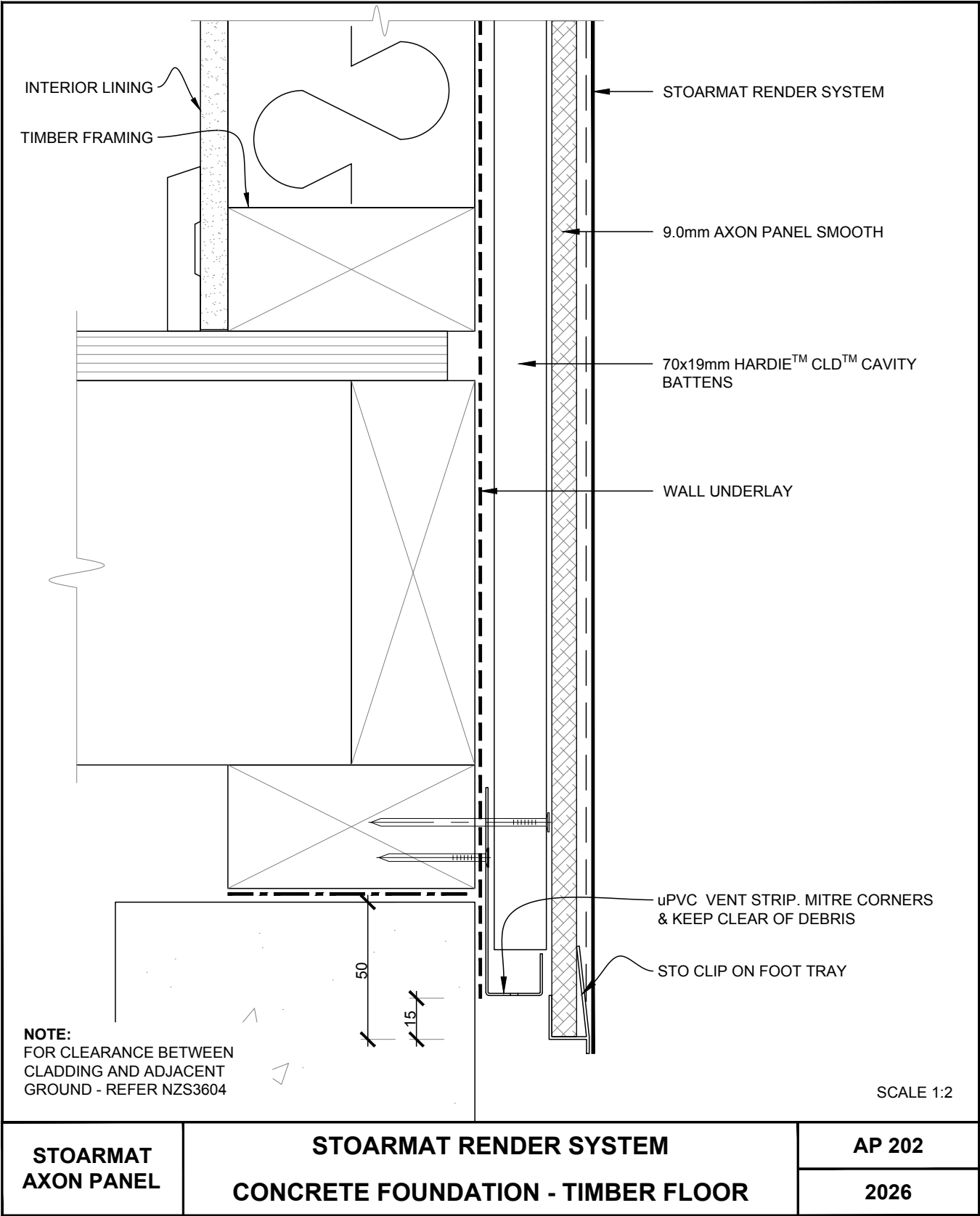


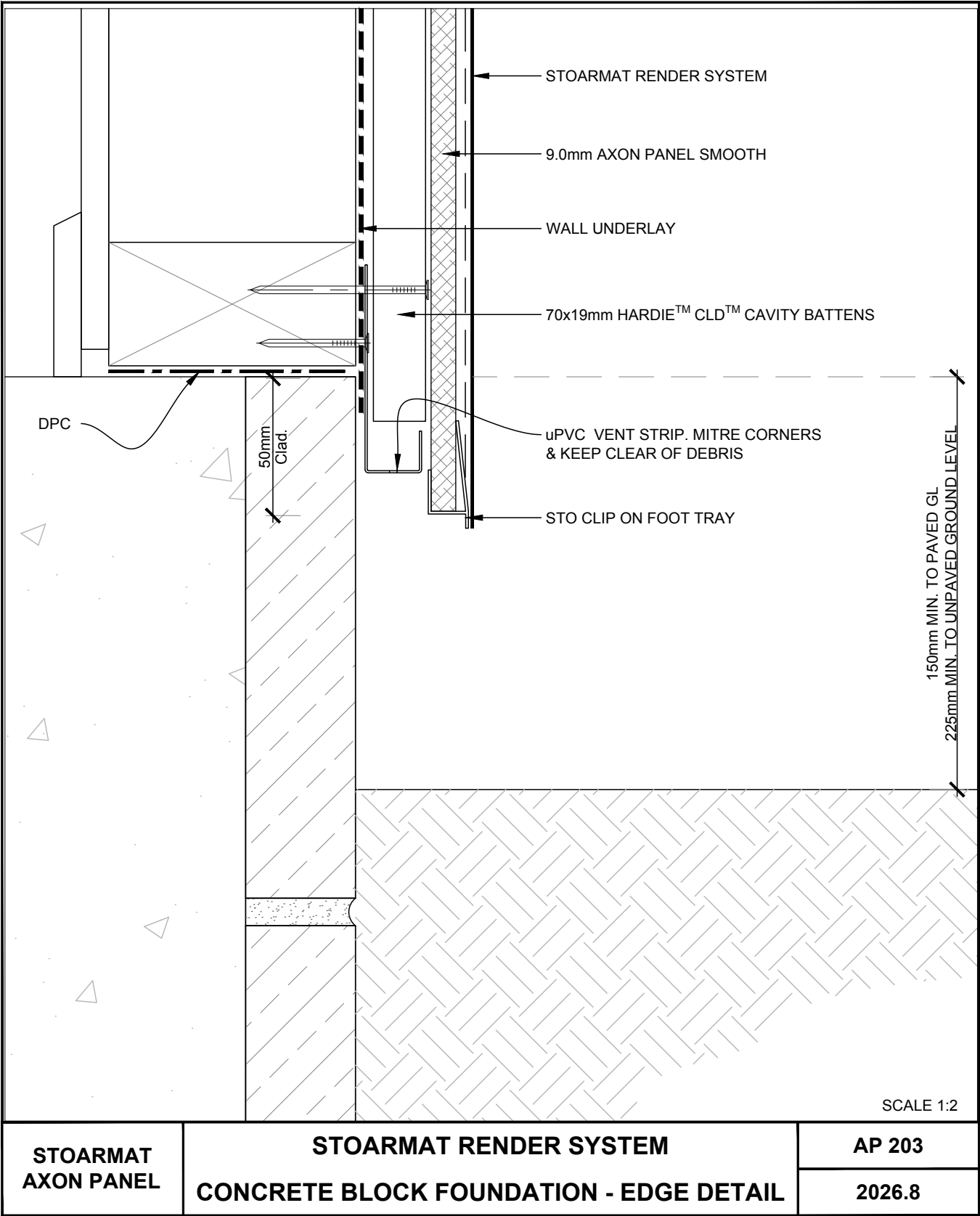
STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM FOUNDATION SLAB-ON-GROUND	AP 200
		2026.8



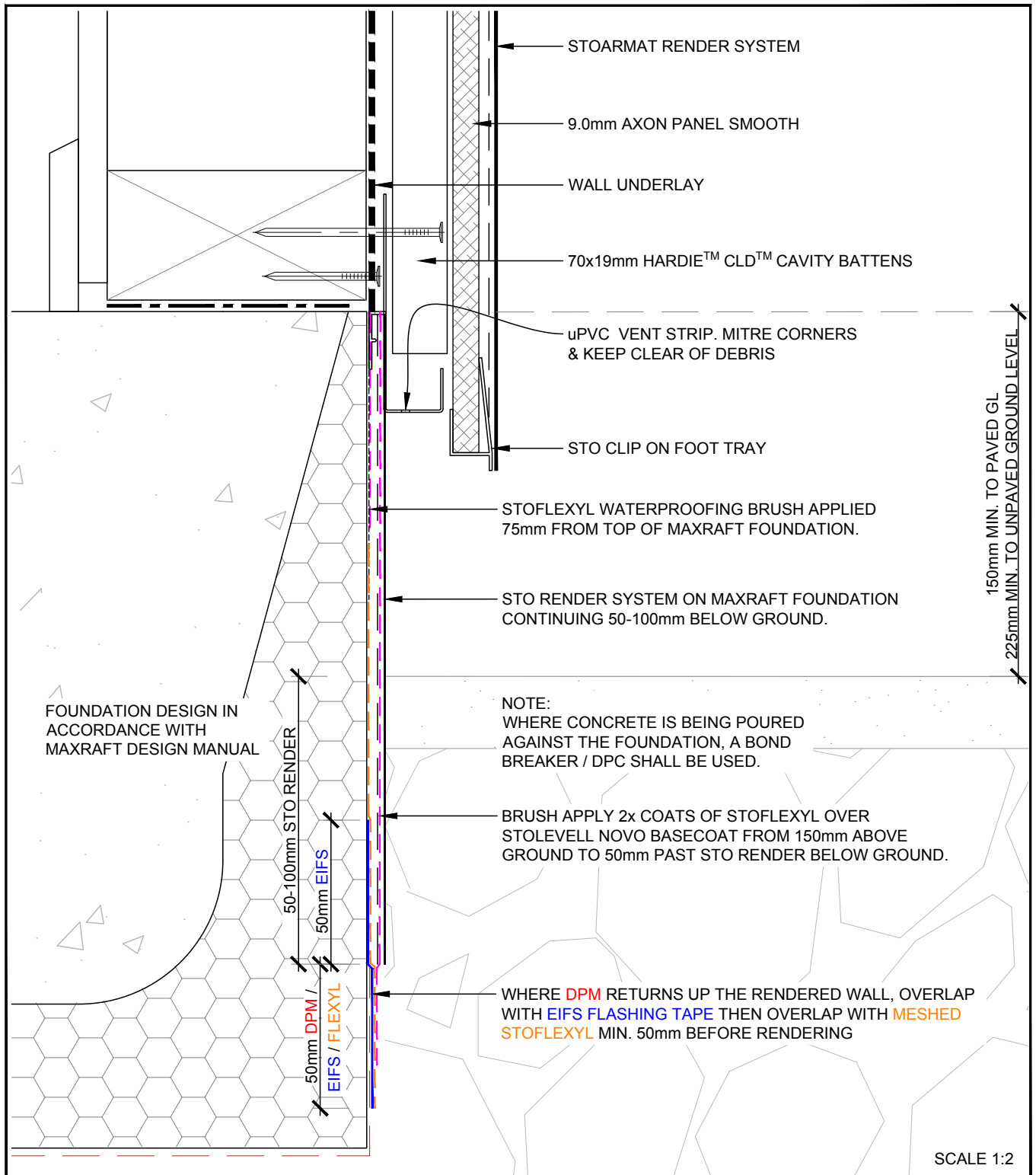
STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM REBATED SLAB-ON-GROUND	AP 201
		2026.8

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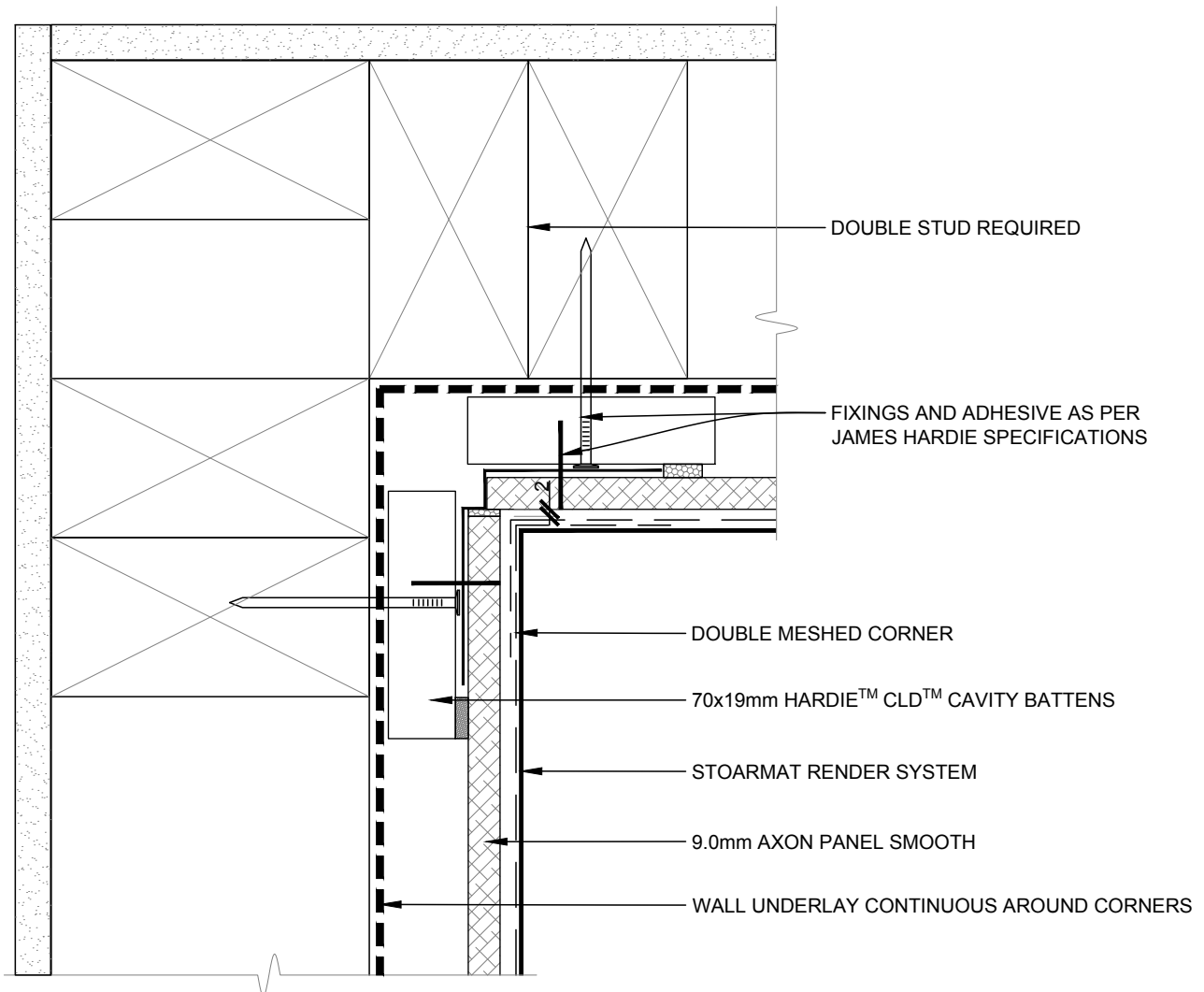


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STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM MAXRAFT FLOOR SYSTEM - EDGE DETAIL	AP 204
		2026.8

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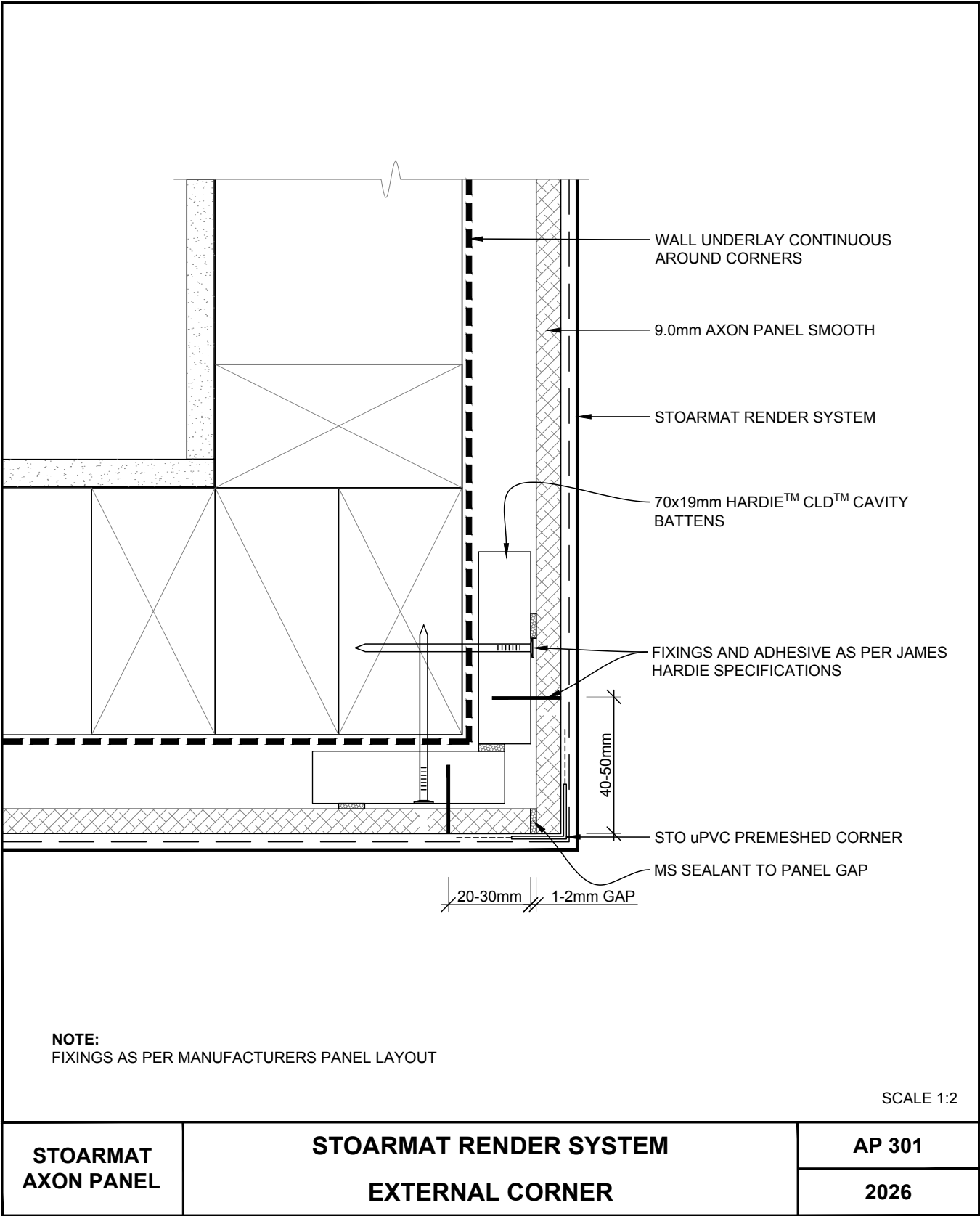


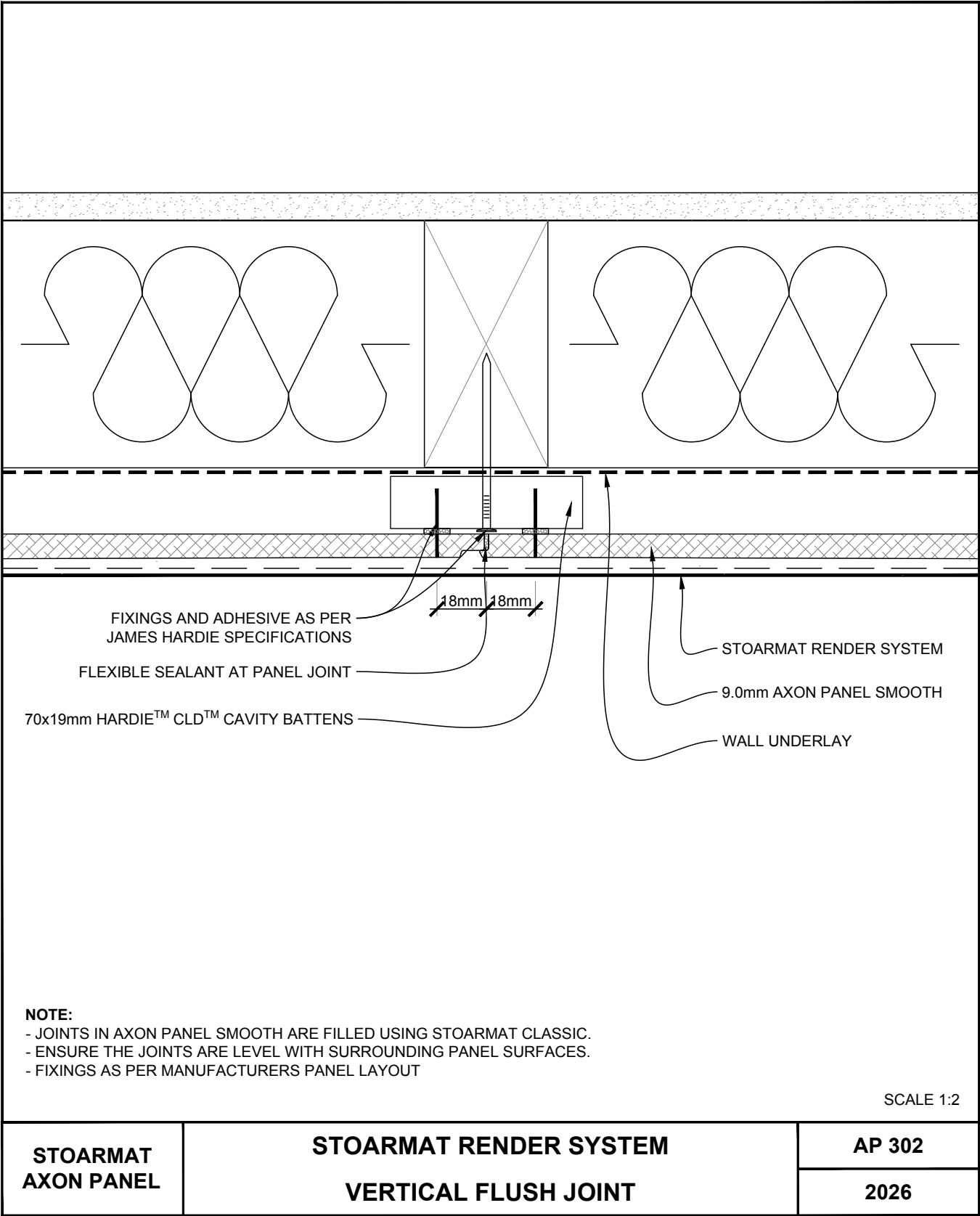
NOTE:
FIXINGS AS PER MANUFACTURERS PANEL LAYOUT

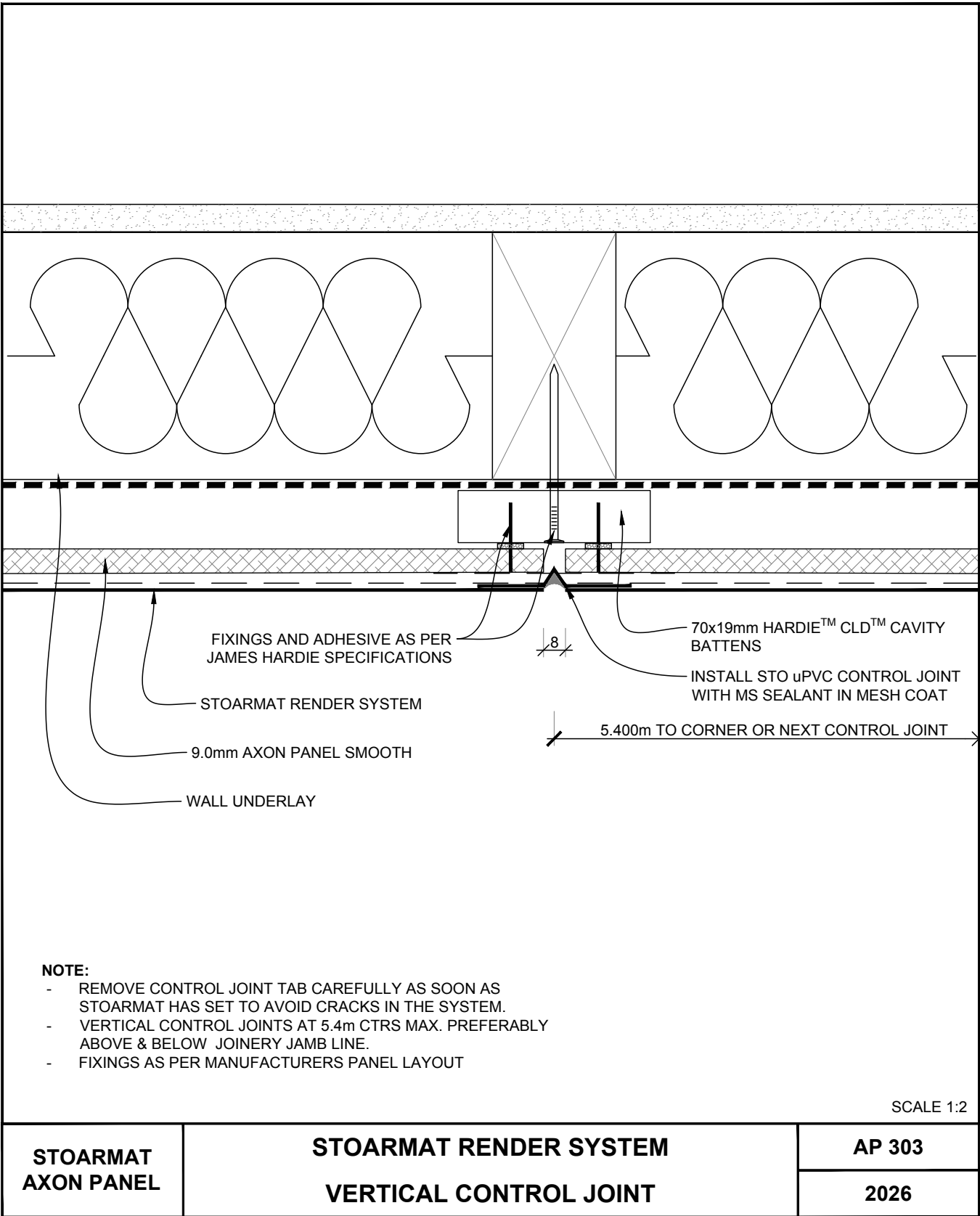
SCALE: 1:2

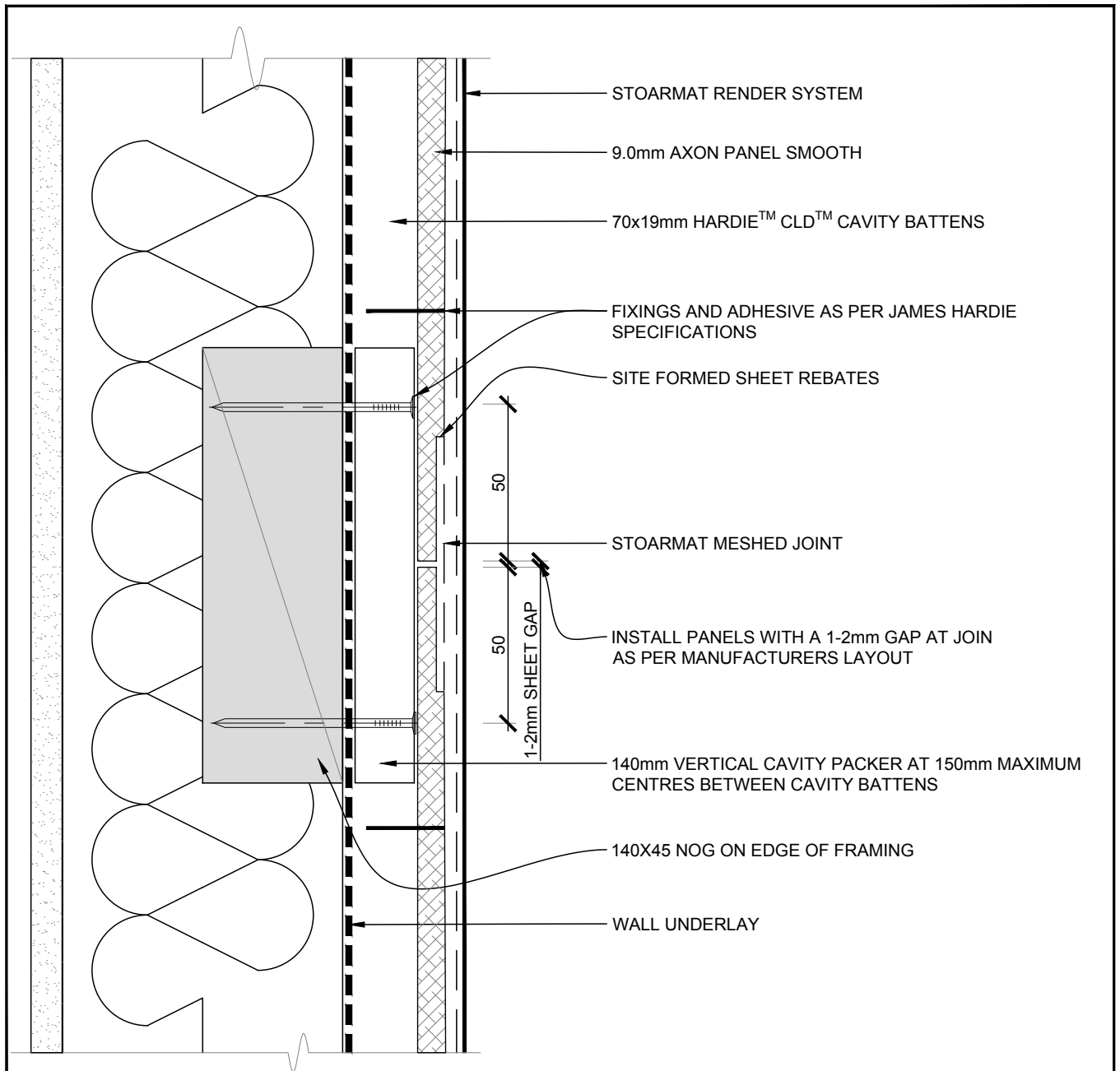
STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM INTERNAL CORNER	AP 300
		2026

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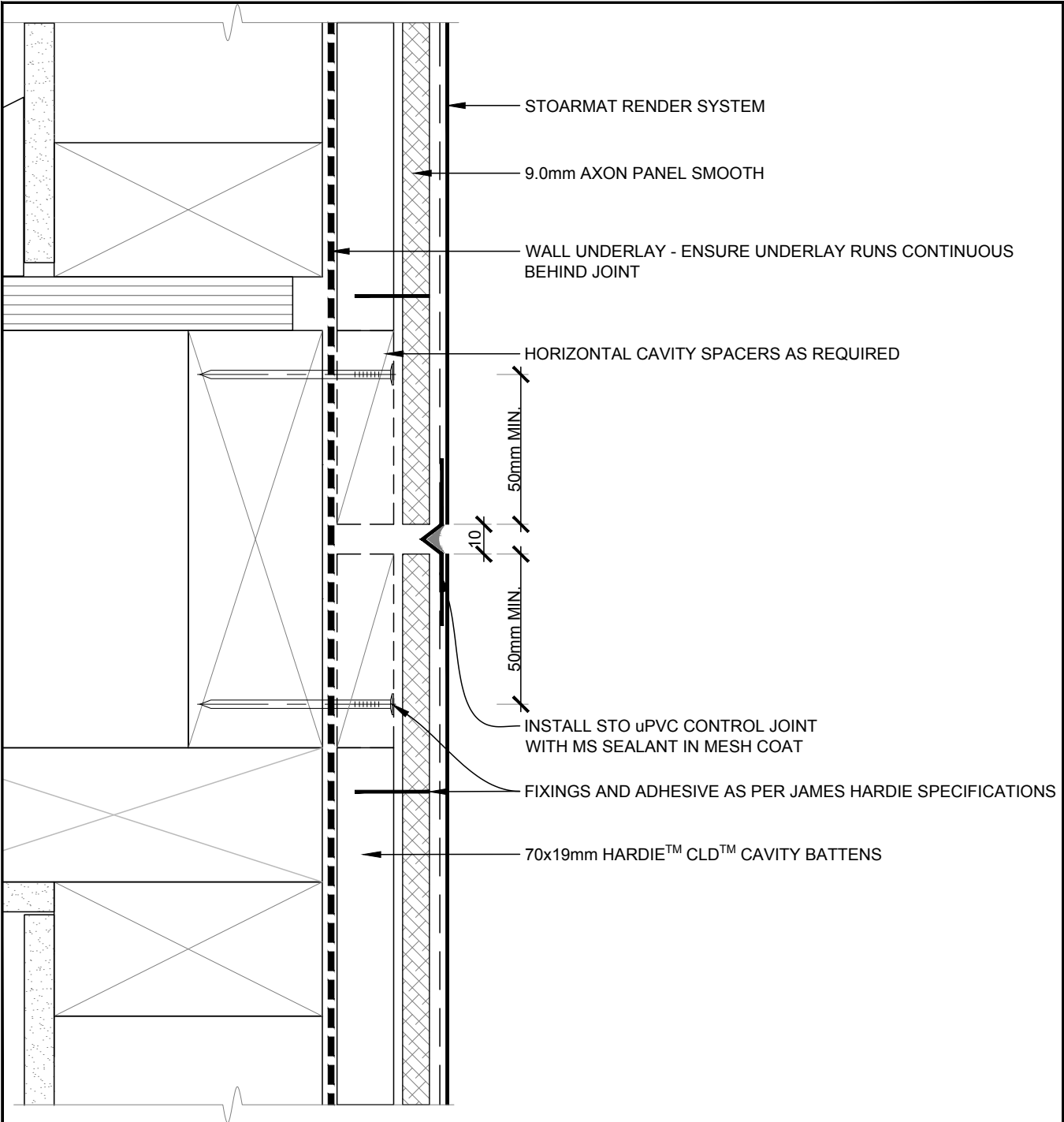


NOTE:
THIS METHOD IS USED WHERE THE WALL HEIGHT IS TALLER THAN THE STANDARD PANEL HEIGHT AND THE STUDS ARE CONTINUOUS. THIS METHOD MUST NOT BE USED AT FLOOR JOISTS OR GABLE ENDS WHERE A CONTROL JOINT MUST BE FITTED.

SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM HORIZONTAL FLUSH JOINT	AP 304
		2026

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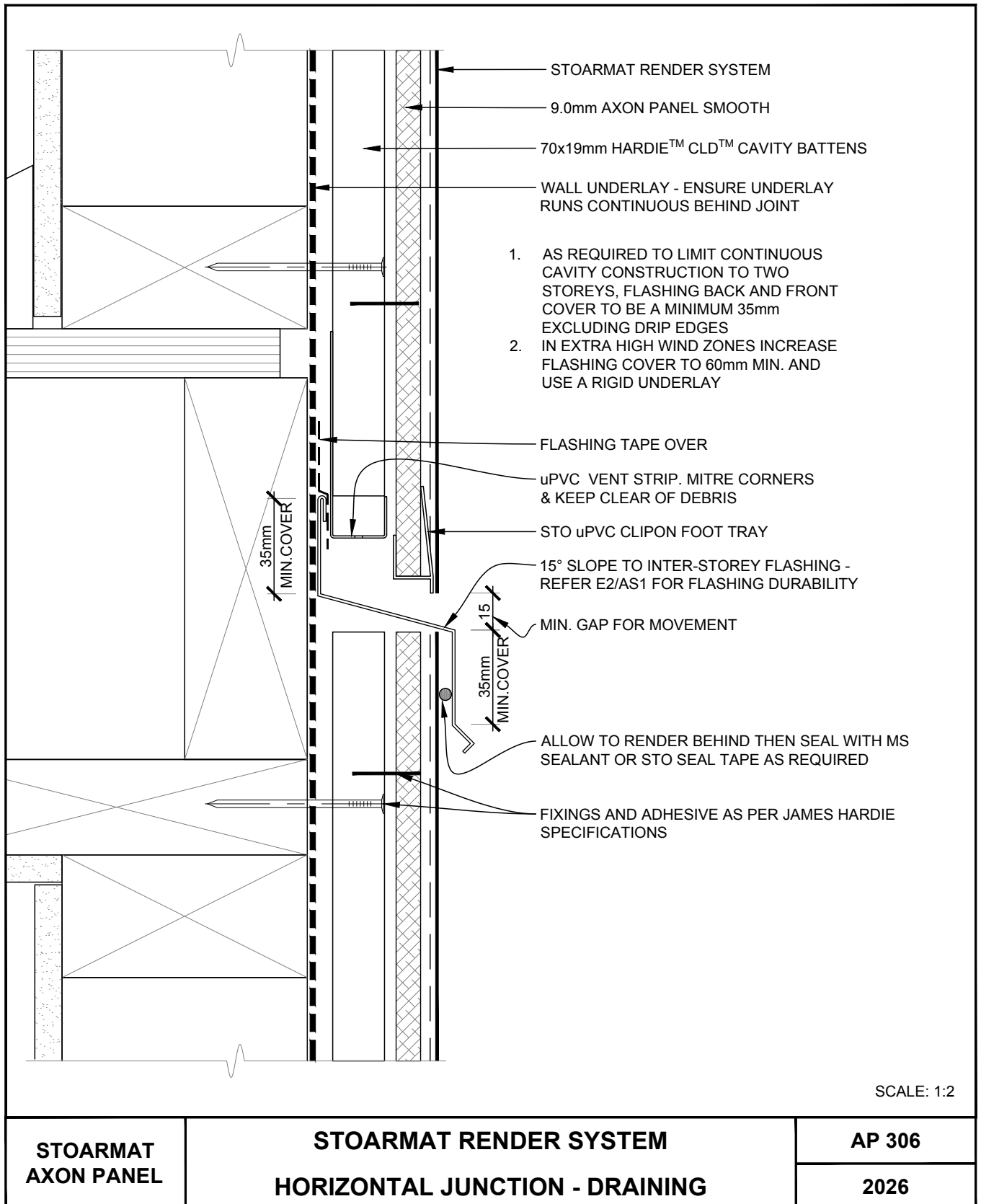


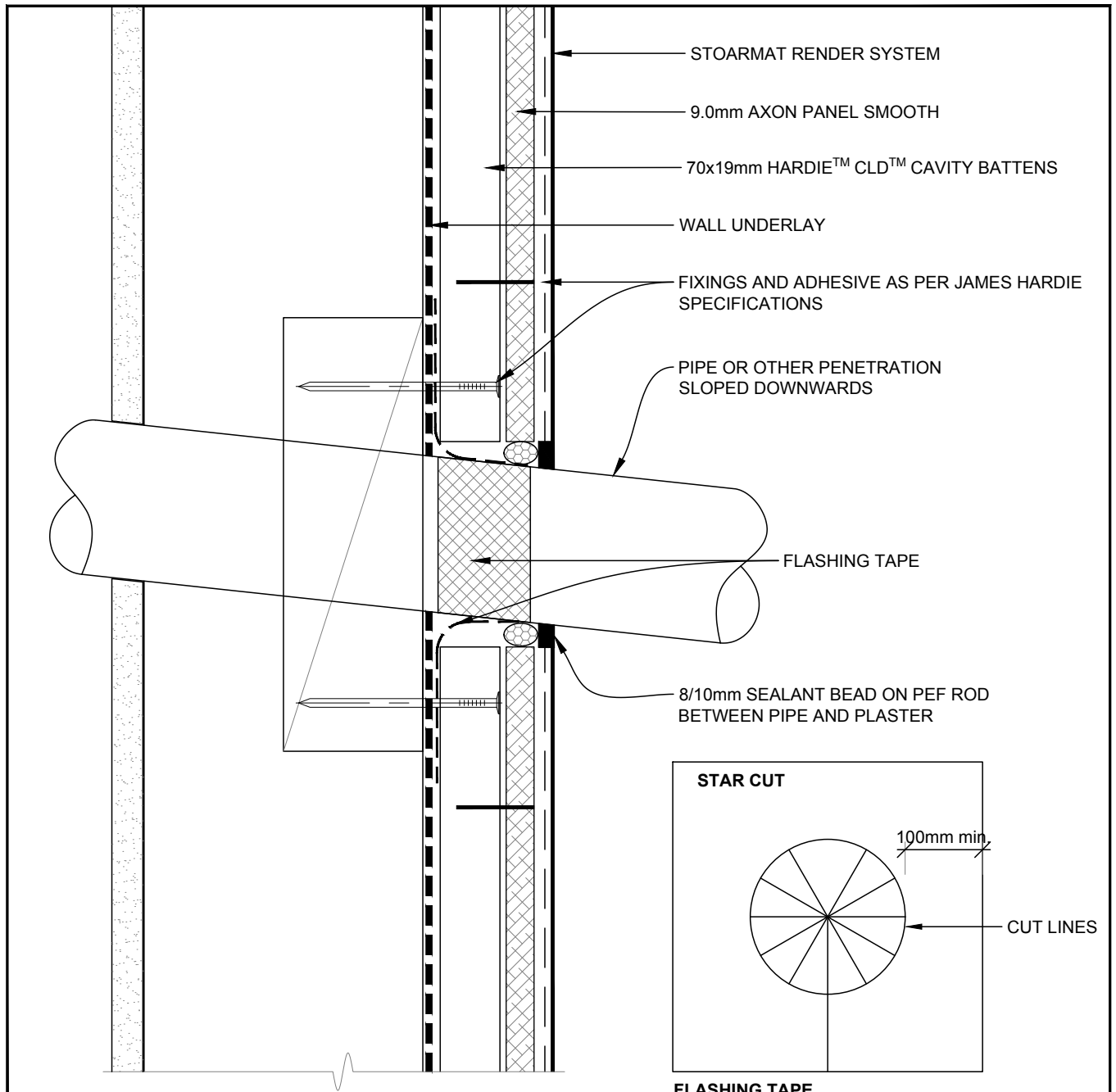
NOTE:

- REMOVE CONTROL JOINT TAB CAREFULLY AS SOON AS STOARMAT HAS SET TO AVOID CRACKS IN THE SYSTEM.
- FIXINGS AS PER MANUFACTURERS PANEL LAYOUT

SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM HORIZONTAL JUNCTION - CONTROL JOINT	AP 305
		2026



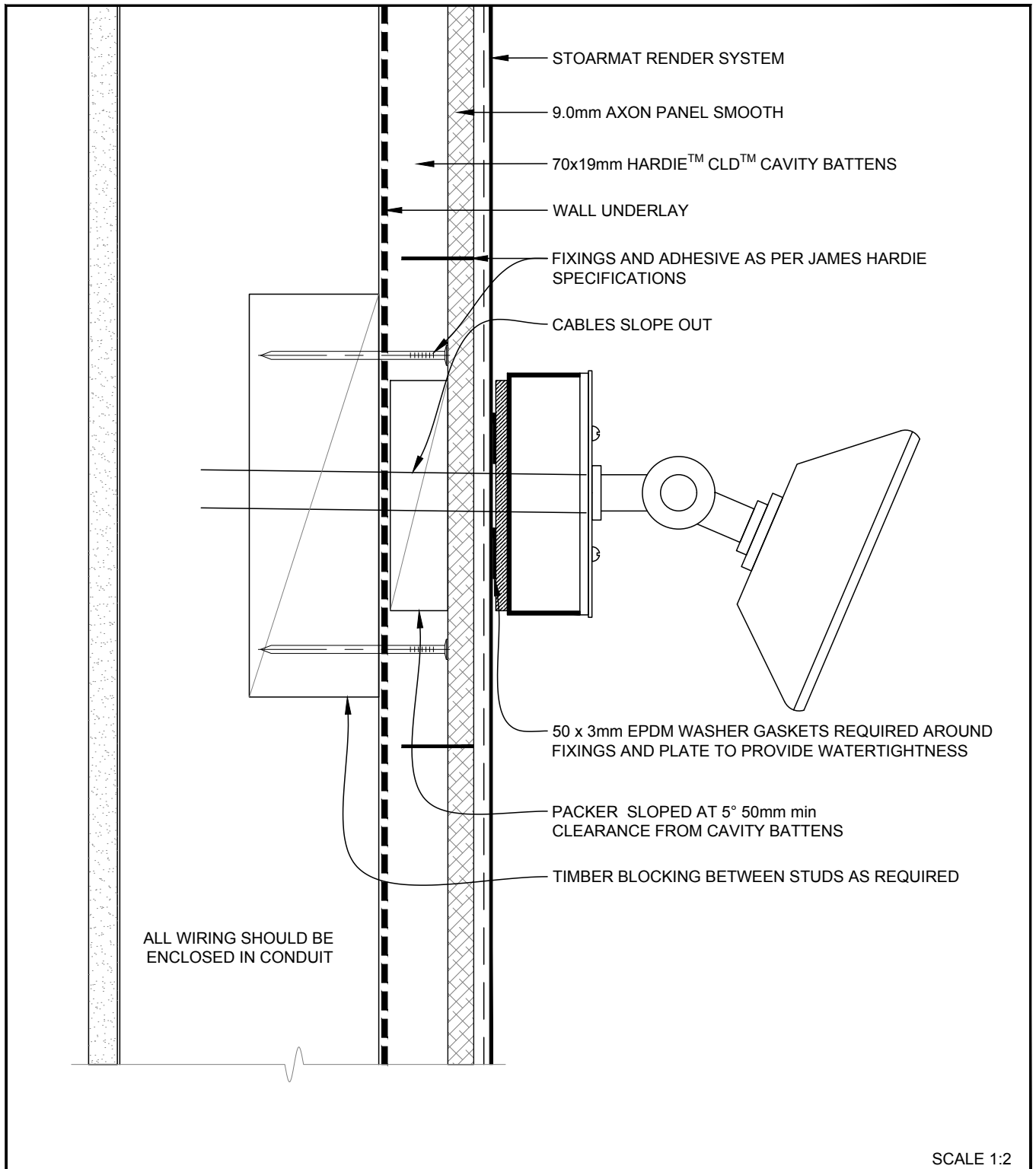


NOTE:

- INSTALL FLASHING TAPE WITH 100mm CLEARANCE AROUND PIPE ONTO WALL UNDERLAY AND WRAP 25mm ROUND PIPE.
- WHERE MIN. 75mm BLOCKING SUPPORTS THE WALL UNDERLAY AROUND THE PENETRATION THE FLASHING TAPE CAN BE OMITTED BUT A FACE FIXED EXTERIOR FLANGE WITH SEALANT IS REQUIRED AS PER E2/AS1 FIG. 9.1.8.3A

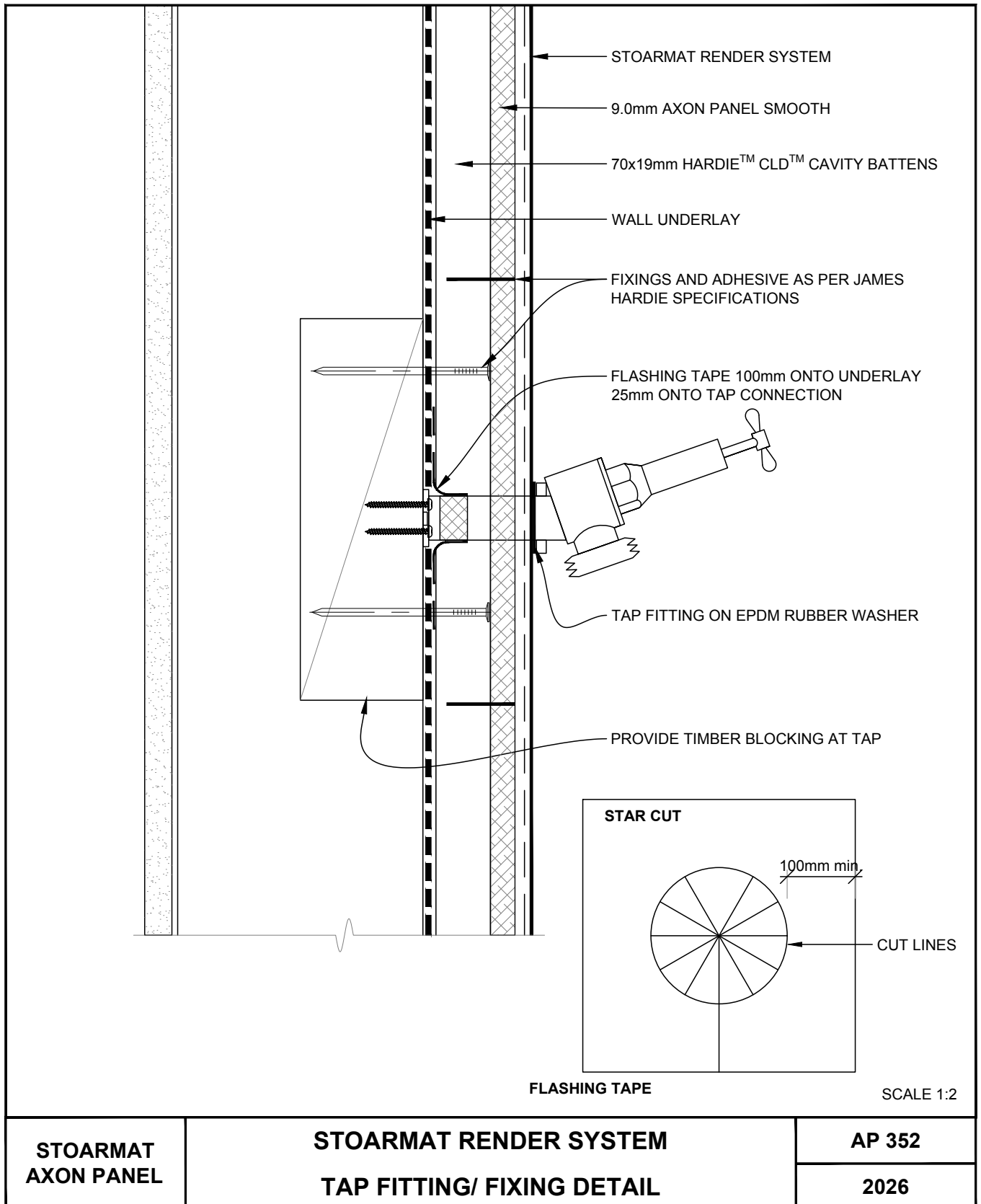
SCALE: 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM PIPE PENETRATION DETAIL (up to 100mm)	AP 350
		2026

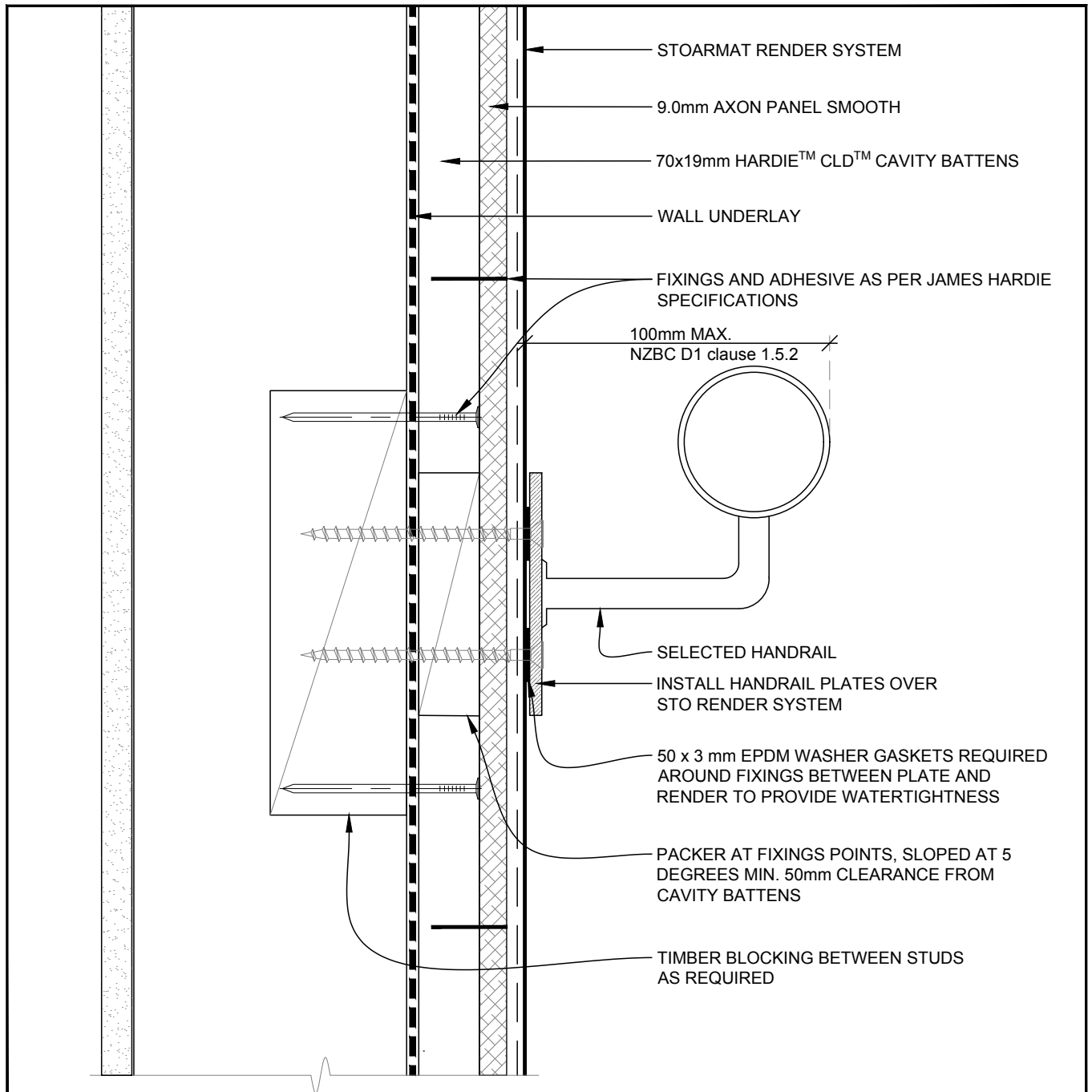


STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM LIGHT FITTING/ FIXING DETAIL	AP 351
		2026

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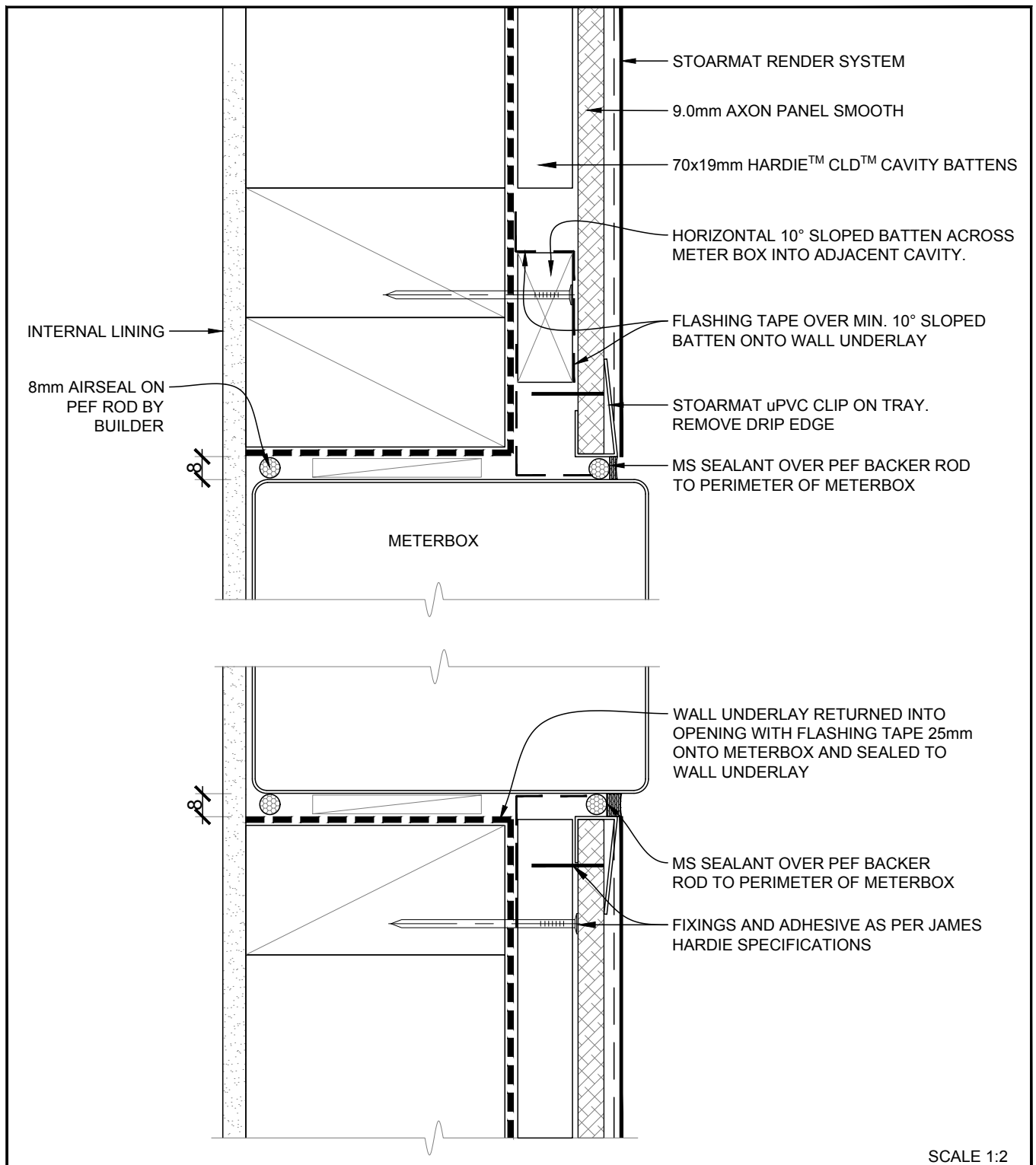


NOTE: USE FIXING PLATES ON HANDRAILS TO AVOID POINT LOADING

SCALE 1:2

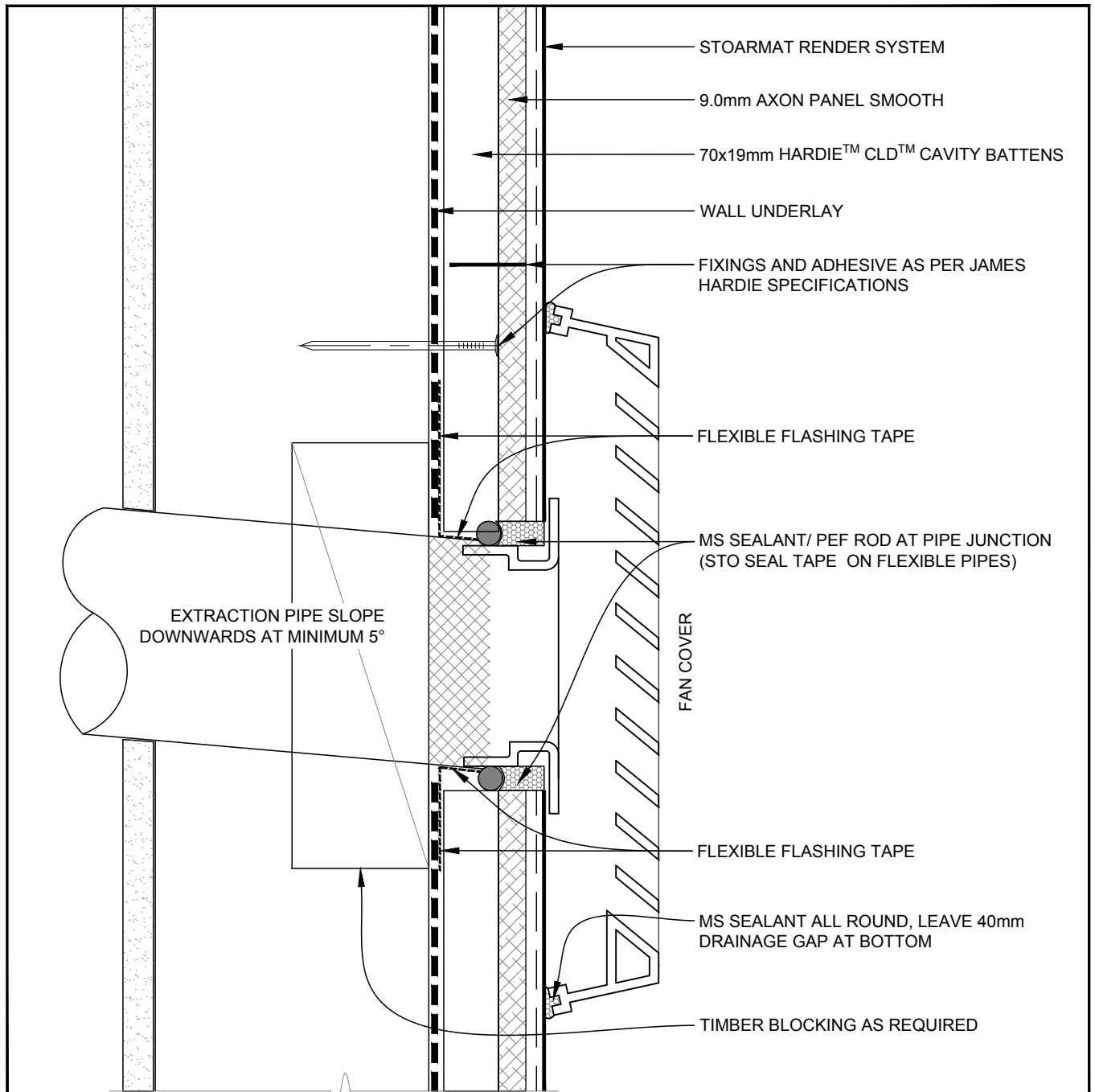
STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM HANDRAIL BRACKET/ FIXING DETAIL	AP 353
		2026

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STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM METERBOX CROSS SECTION DETAIL	AP 354
		2026

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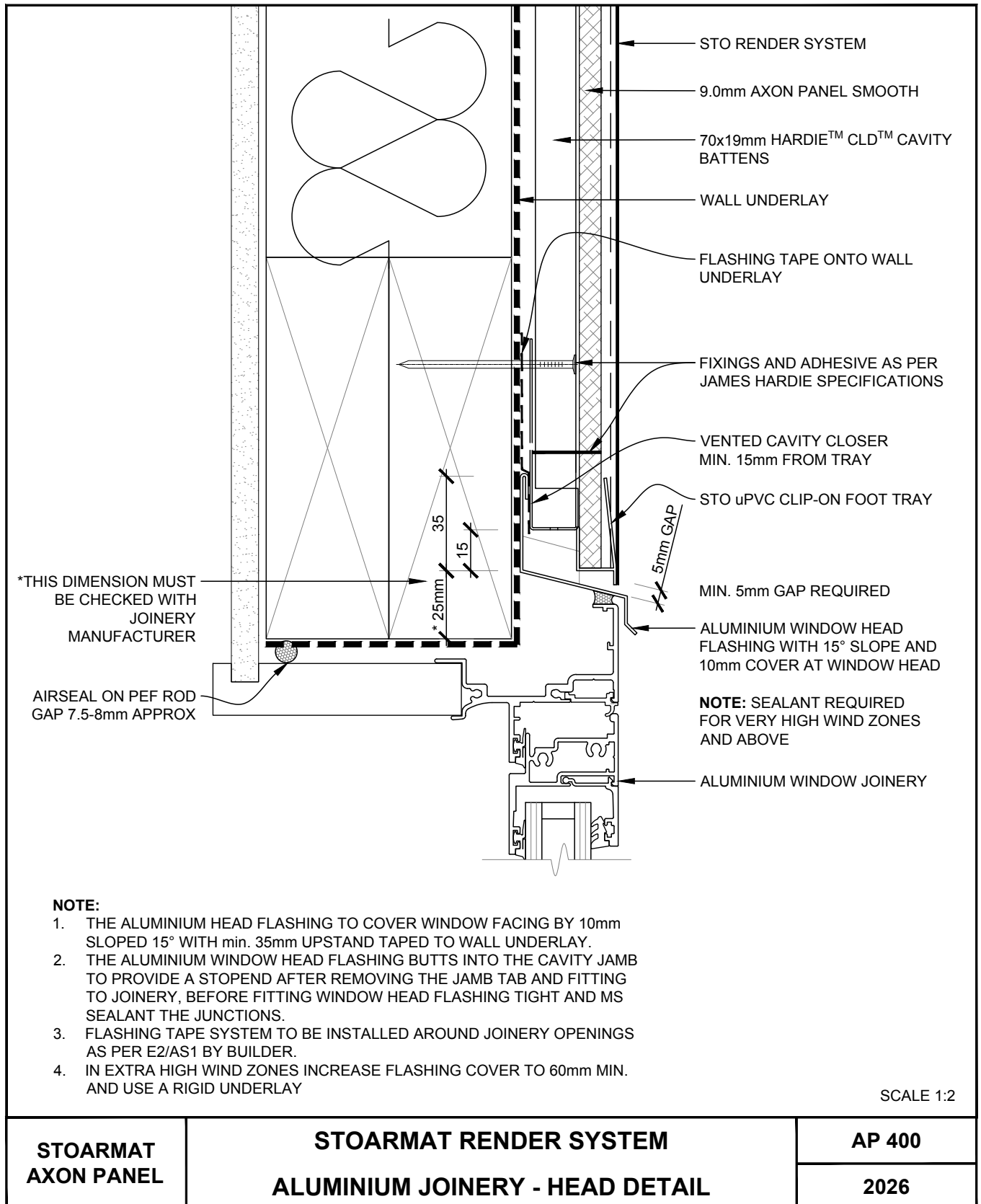
NOTE:

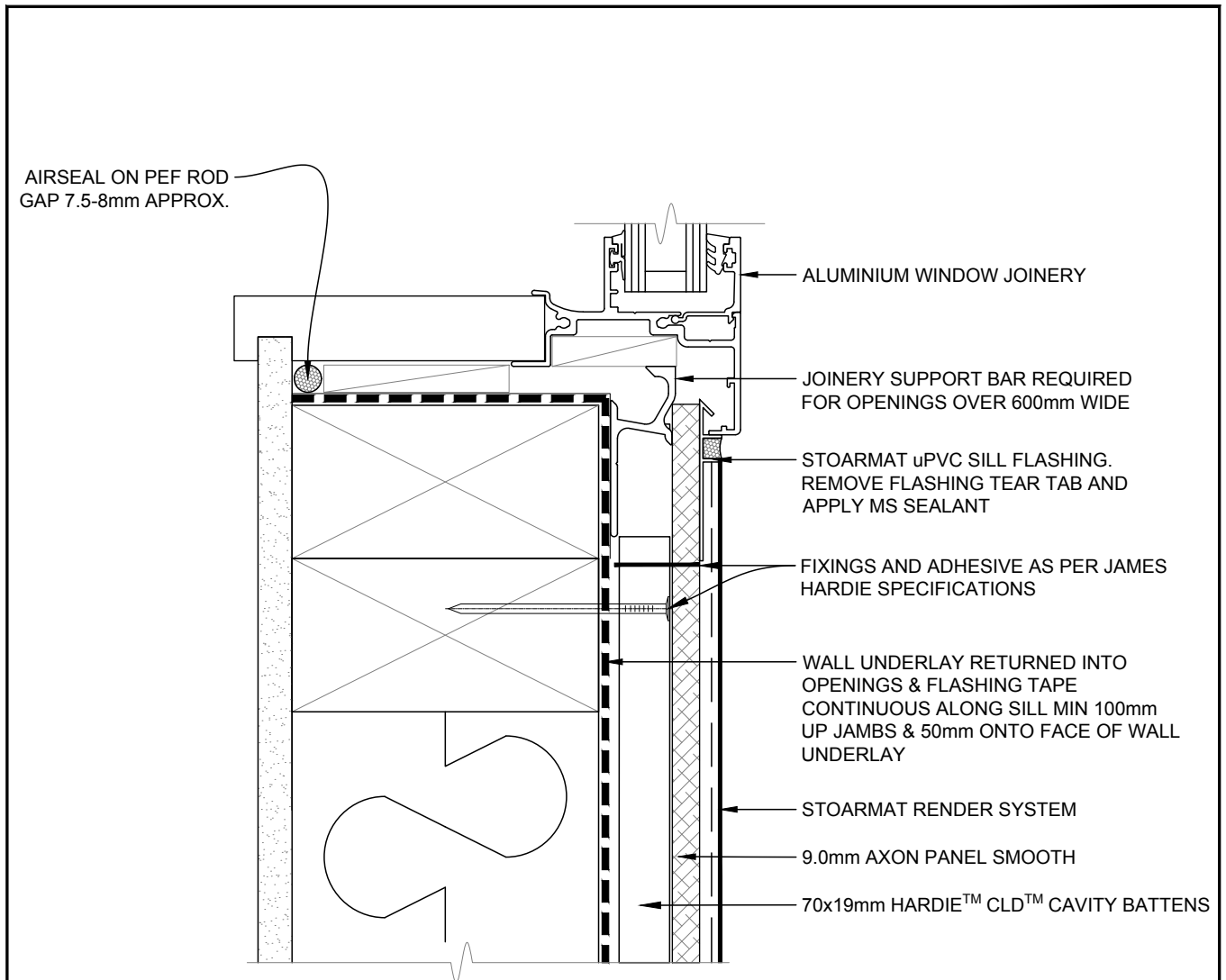
- LEAVE 40mm DRAINAGE GAP IN SEALANT AT BOTTOM OF FAN COVER
- INSTALL FLASHING TAPE WITH 100mm AROUND PIPE ONTO WALL UNDERLAY AND WRAP 25mm ROUND PIPE.
- FOR FLEXIBLE PIPES, TAPE PIPE TO FAN COVER, APPLY STO JOINT SEAL TAPE AROUND PIPE BEFORE PLACING IN HOLE.
- ALWAYS FINISH RENDER BEFORE INSTALLING FAN COVER.

SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM FAN VENT DETAIL	AP 355
		2026

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NOTE:

1. PROVIDE 6mm MIN. BEAD OF MS SEALANT TO JAMBS & SILL
2. BUILDER TO INSTALL FLASHING TAPE TO CORNERS & SILL OVER WALL UNDERLAY
3. POSITION WINDOW OFF PANEL BY 2-3mm TO ALLOW FOR STO uPVC JAMB & SILL FLASHINGS

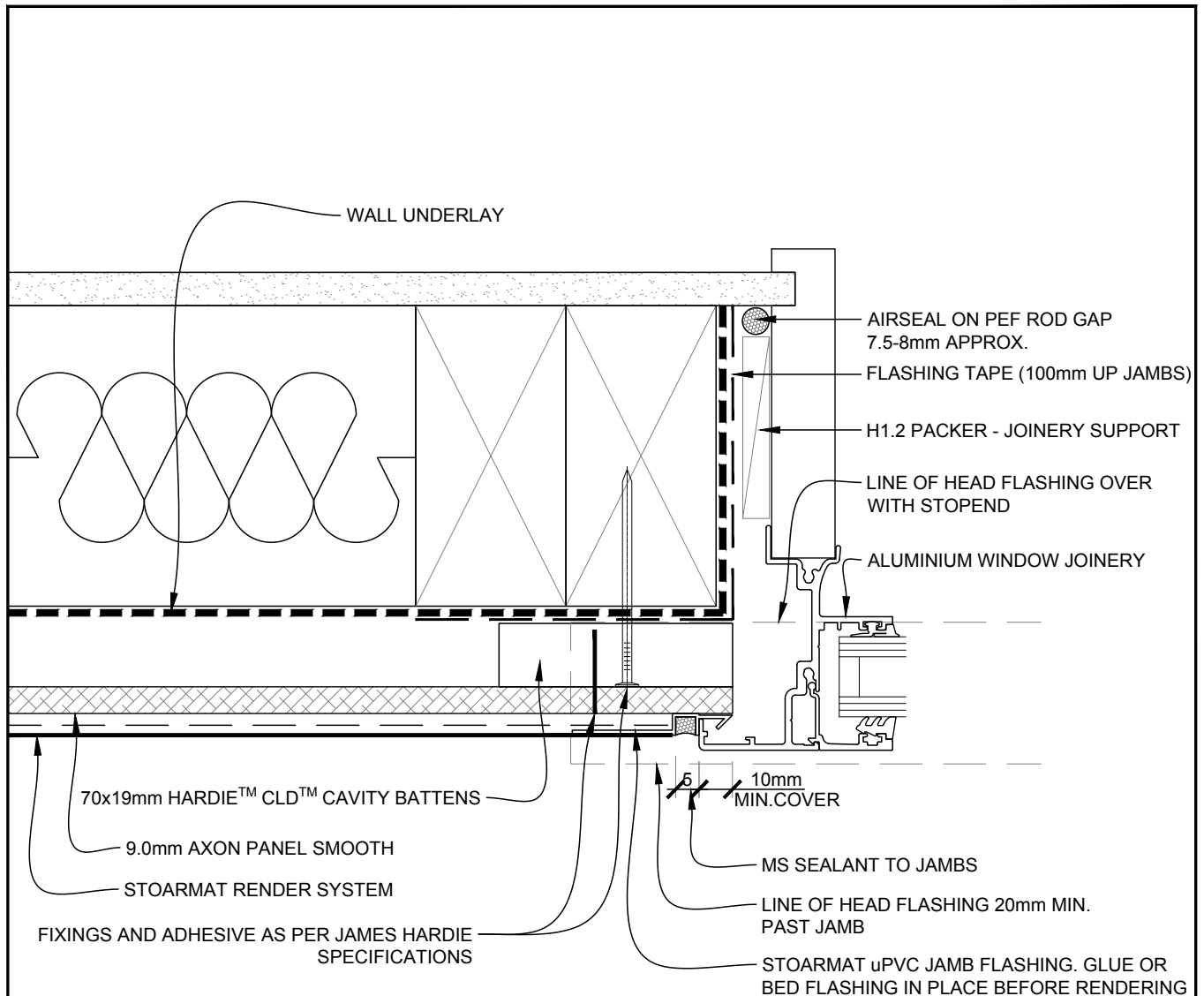
WARNING:

SOME BRANDS OF ALUMINIUM JOINERY HAVE DRAINAGE VENTS IN THE BOTTOM EDGE OF THE SILL FLANGE. ENSURE DRAINAGE VENTS REMAIN CLEAR.

SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM ALUMINIUM JOINERY - SILL DETAIL	AP 401
		2026.8

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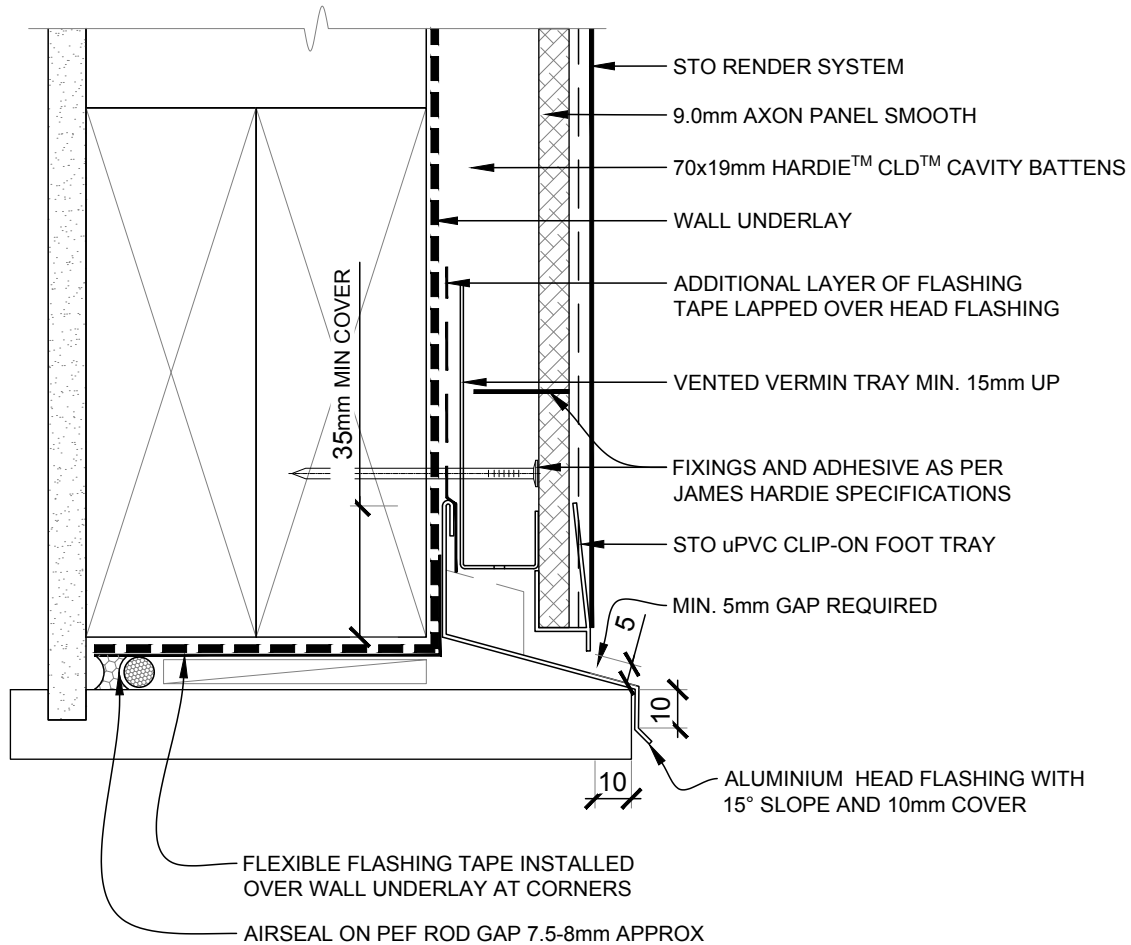


NOTE:

1. PROVIDE 5mm MIN. BEAD OF MS SEALANT TO STOARMAT JAMB & SILL FLASHING
2. BUILDER TO INSTALL FLASHING TAPE TO OPENINGS OVER WALL UNDERLAY AS PER E2/AS1
3. POSITION WINDOW OFF PANEL BY 2-3mm TO ALLOW FOR STOARMAT JAMB & SILL FLASHING

SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM ALUMINIUM JOINERY - JAMB DETAIL	AP 402 2026
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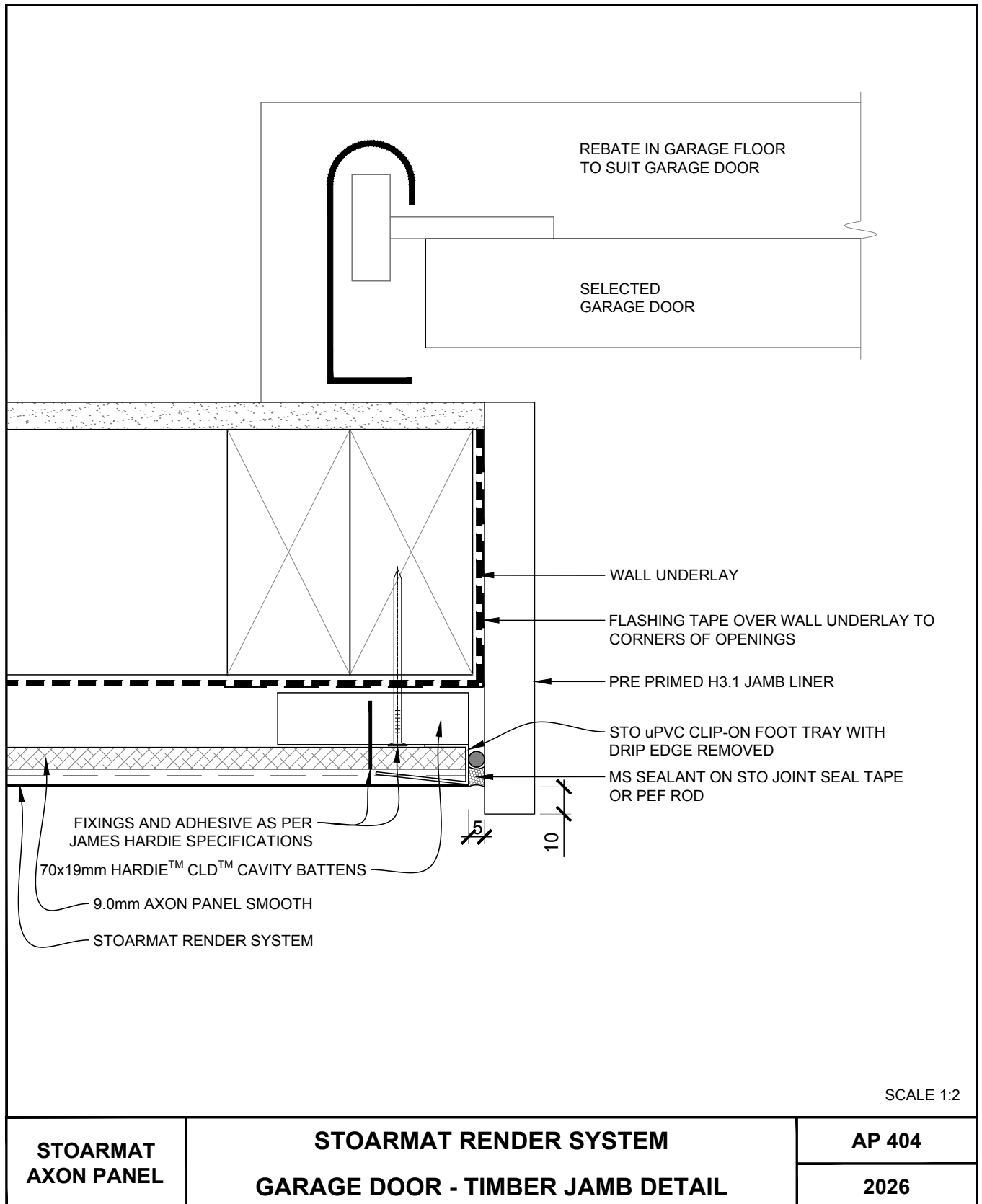
NOTE:

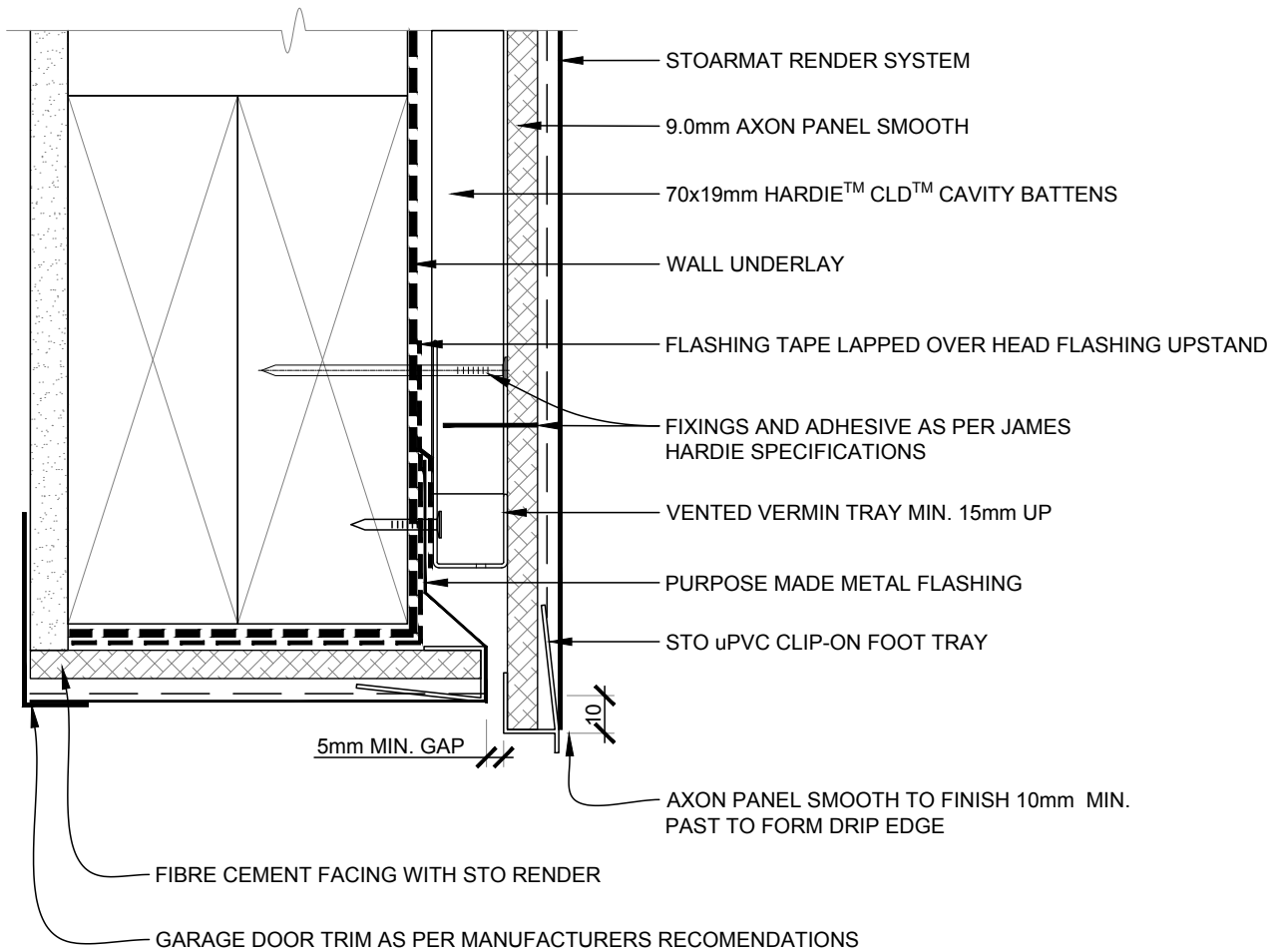
1. SEAL FLASHING FOR VERY HIGH WIND ZONES AND ABOVE
2. IN EXTRA HIGH WIND ZONES INCREASE FLASHING COVER TO 60mm AND USE A RIGID UNDERLAY

SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM GARAGE DOOR - TIMBER HEAD DETAIL	AP 403
		2026

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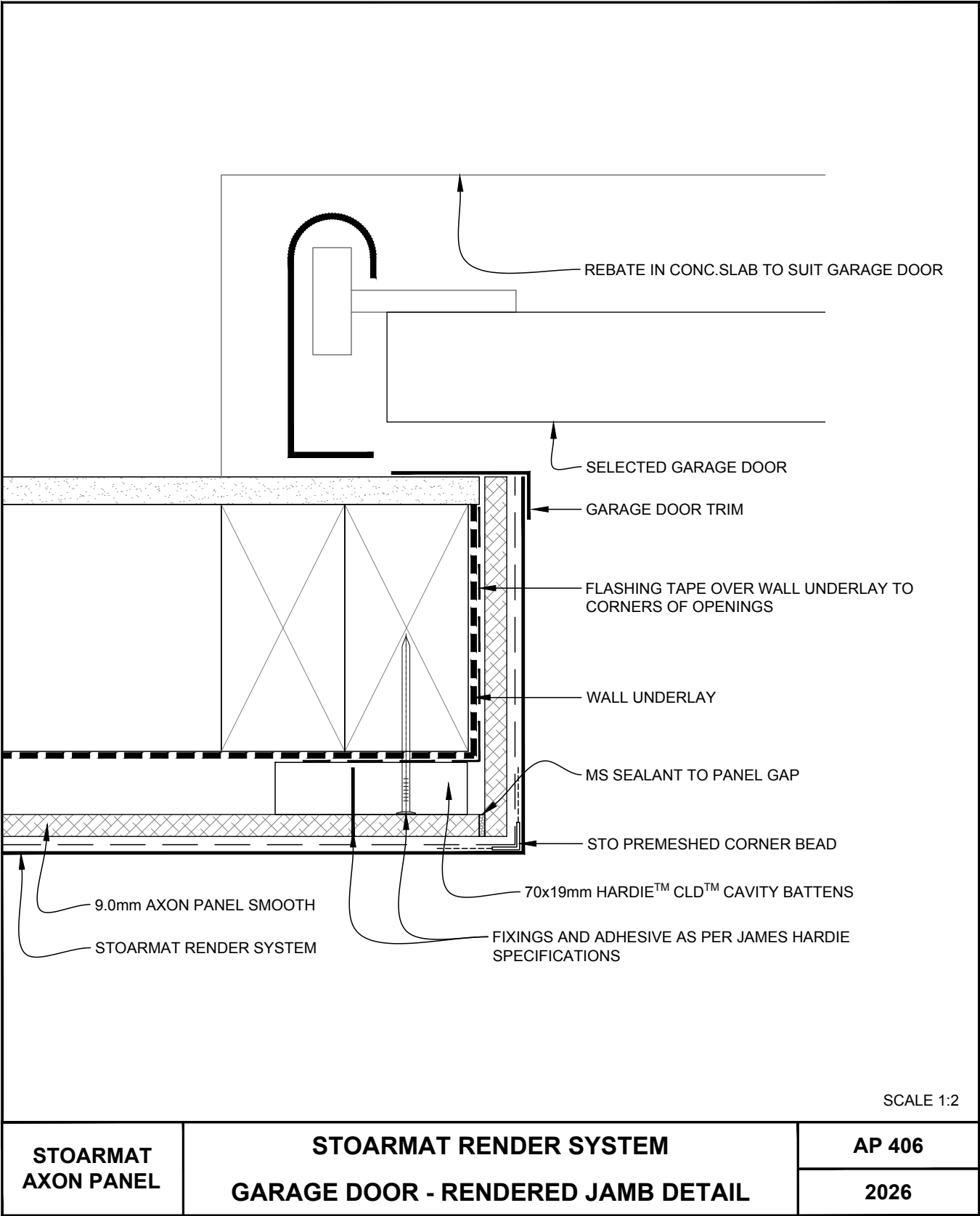


NOTE:
MEASURE DOOR HEIGHT ON SITE & CHECK GARAGE DOOR SPECIFICATIONS FOR INTERNAL CORNER REQUIREMENTS

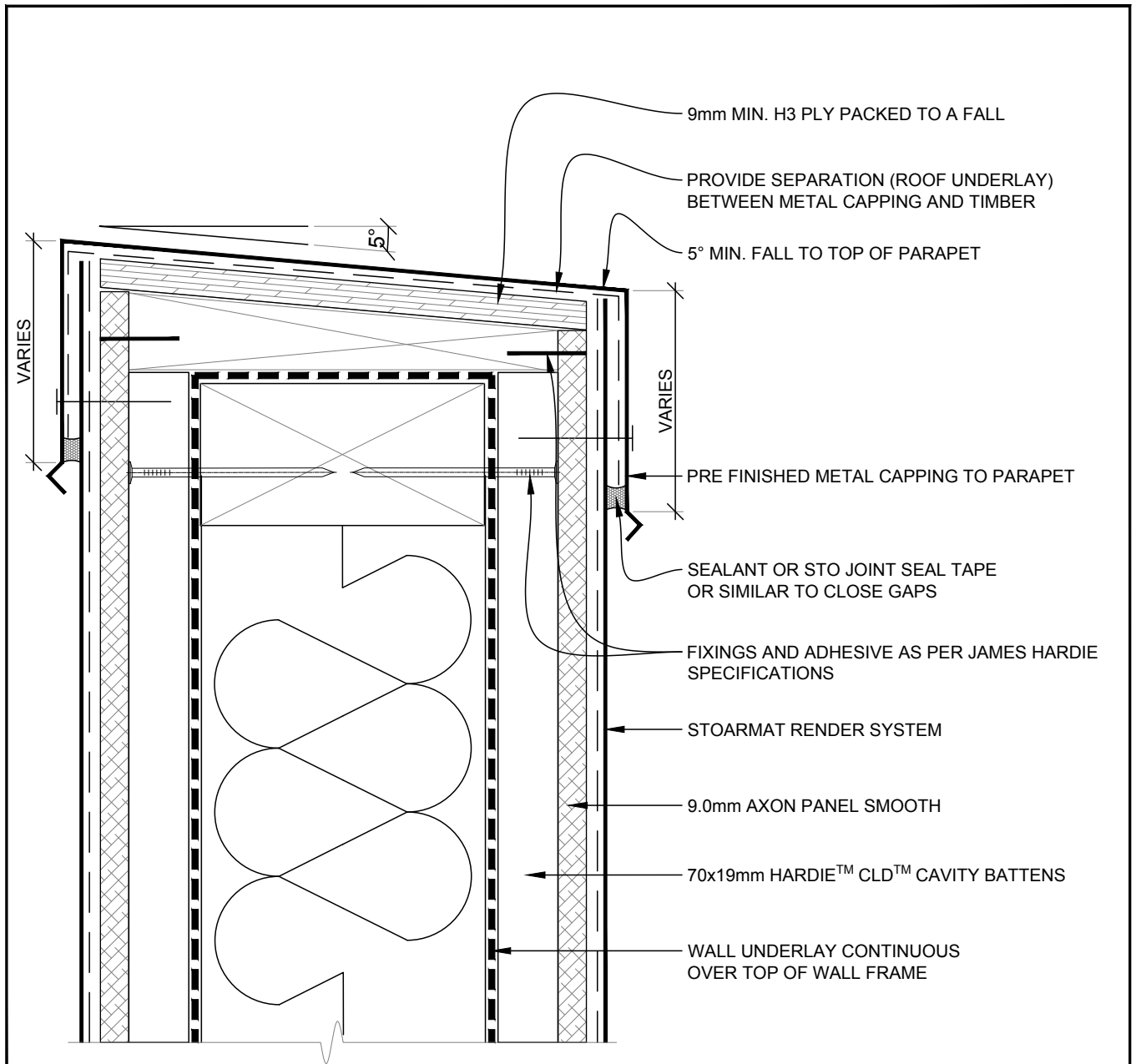
SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM GARAGE DOOR - RENDERED HEAD DETAIL	AP 405
		2026

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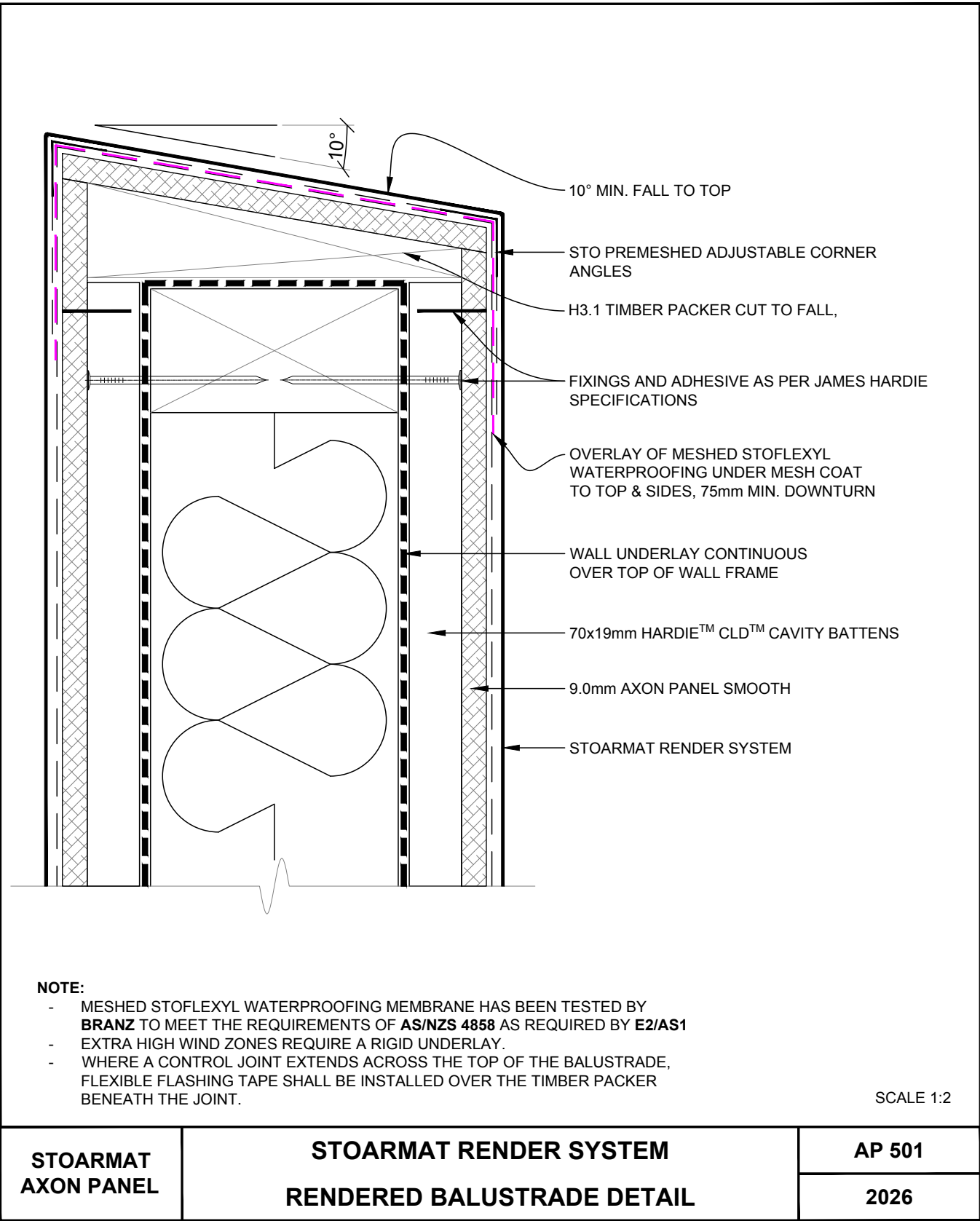


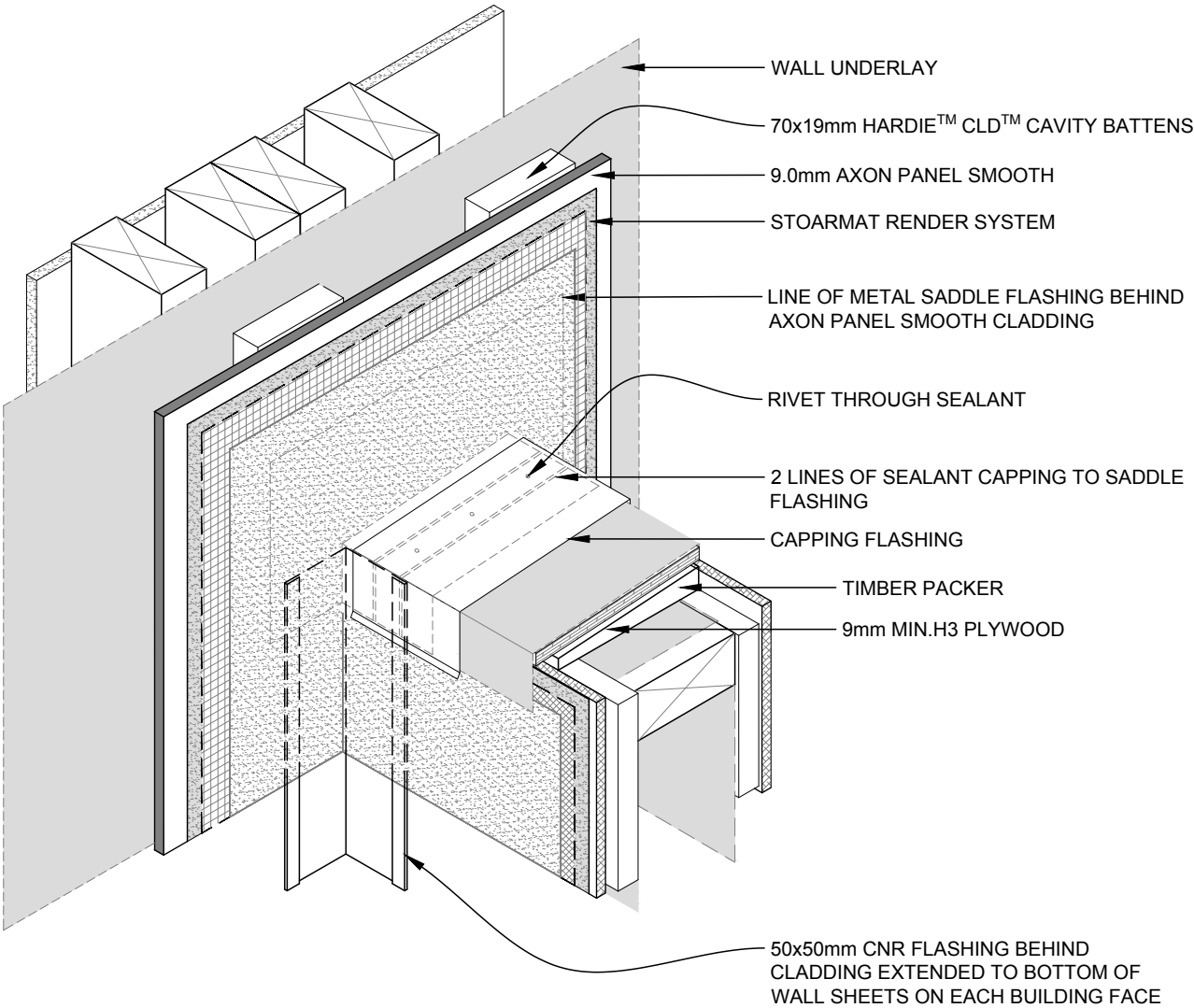
1. INSTALL METAL SADDLE FLASHING AT WALL JUNCTION
2. ENSURE TOP IS TEMPORARILY WATERPROOFED BEFORE RENDERING
3. METAL CAPPING EXCLUDING DRIP EDGE MUST OVERLAP PANEL BY
50mm MIN. IN LOW, MED or HIGH WIND ZONE,
70mm MIN. IN VERY HIGH WIND ZONES,
90mm MIN. IN EXTRA HIGH WIND ZONES
4. INSTALL METAL CAPPING TO ALL ROOF PARAPETS

SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM PARAPET METAL FLASHING DETAIL	AP 500
		2026

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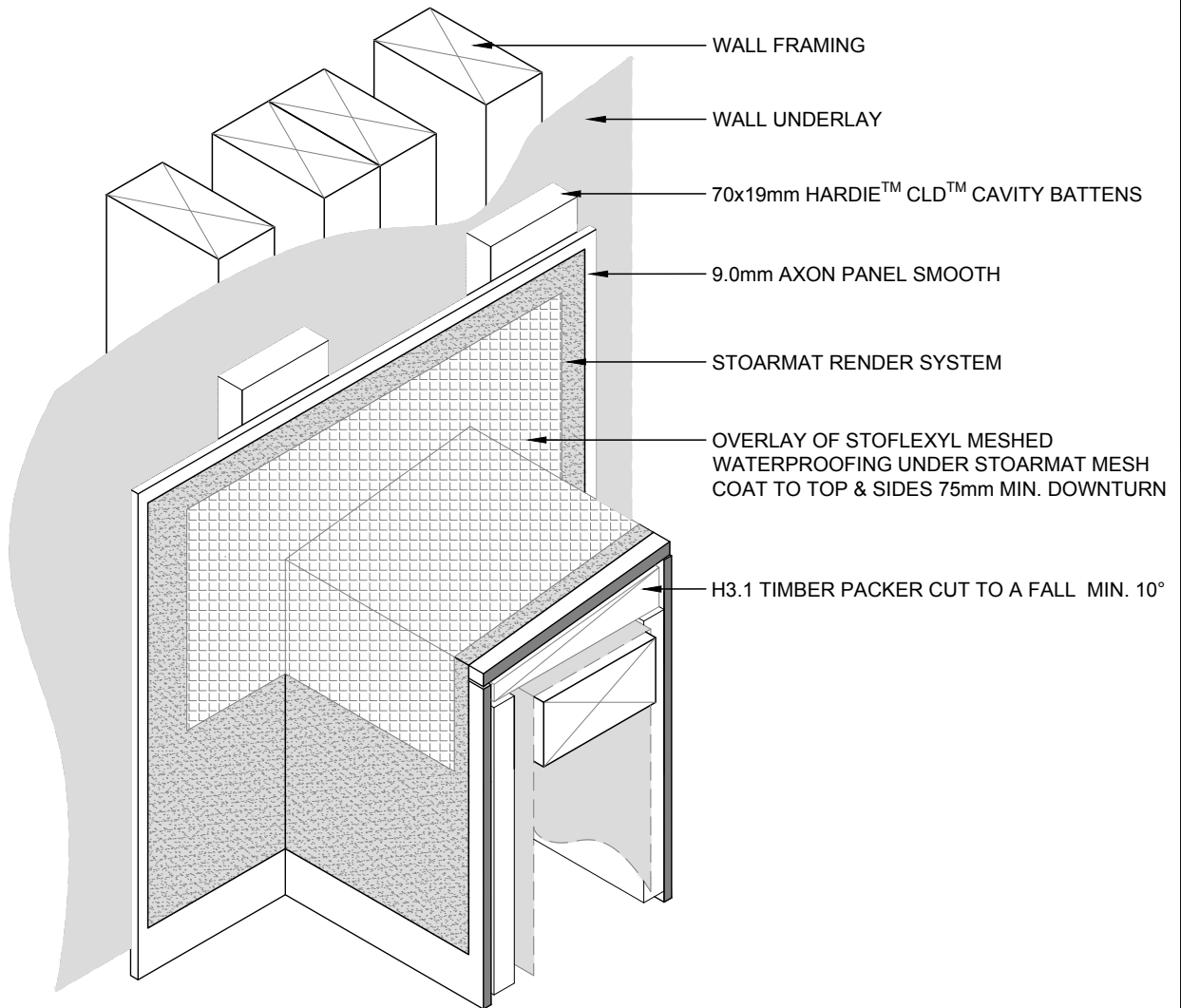


NOTE:
LEAVE A 10mm GAP BETWEEN SADDLE FLASHING AND CAP FLASHING AT WALL TO ALLOW FOR EXPANSION AND SEAL WITH SEALANT UNDER CAP.

SCALE 1:5

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM METAL SADDLE FLASHING & CAP - ISOMETRIC	AP 502
		2026

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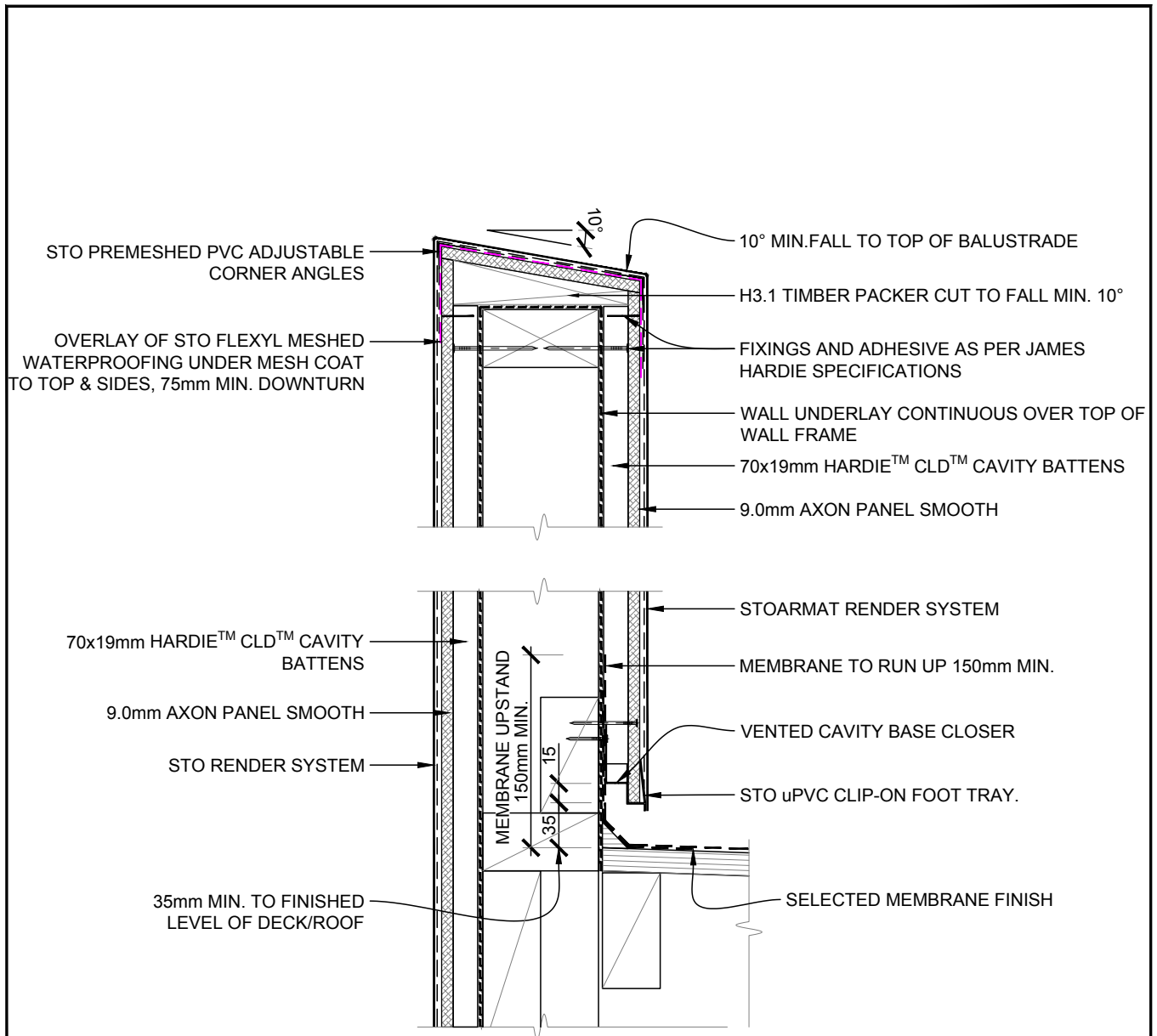


NOTE:
STOFLEXYL MESHED WATERPROOFING HAS BEEN TESTED BY **BRANZ**
TO MEET THE REQUIREMENTS OF **AS/NZS 4858** AS REQUIRED BY **E2/AS1**

SCALE 1:5

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM STOFLEXYL MESHED SADDLE FLASHING - ISOMETRIC	AP 503
		2026

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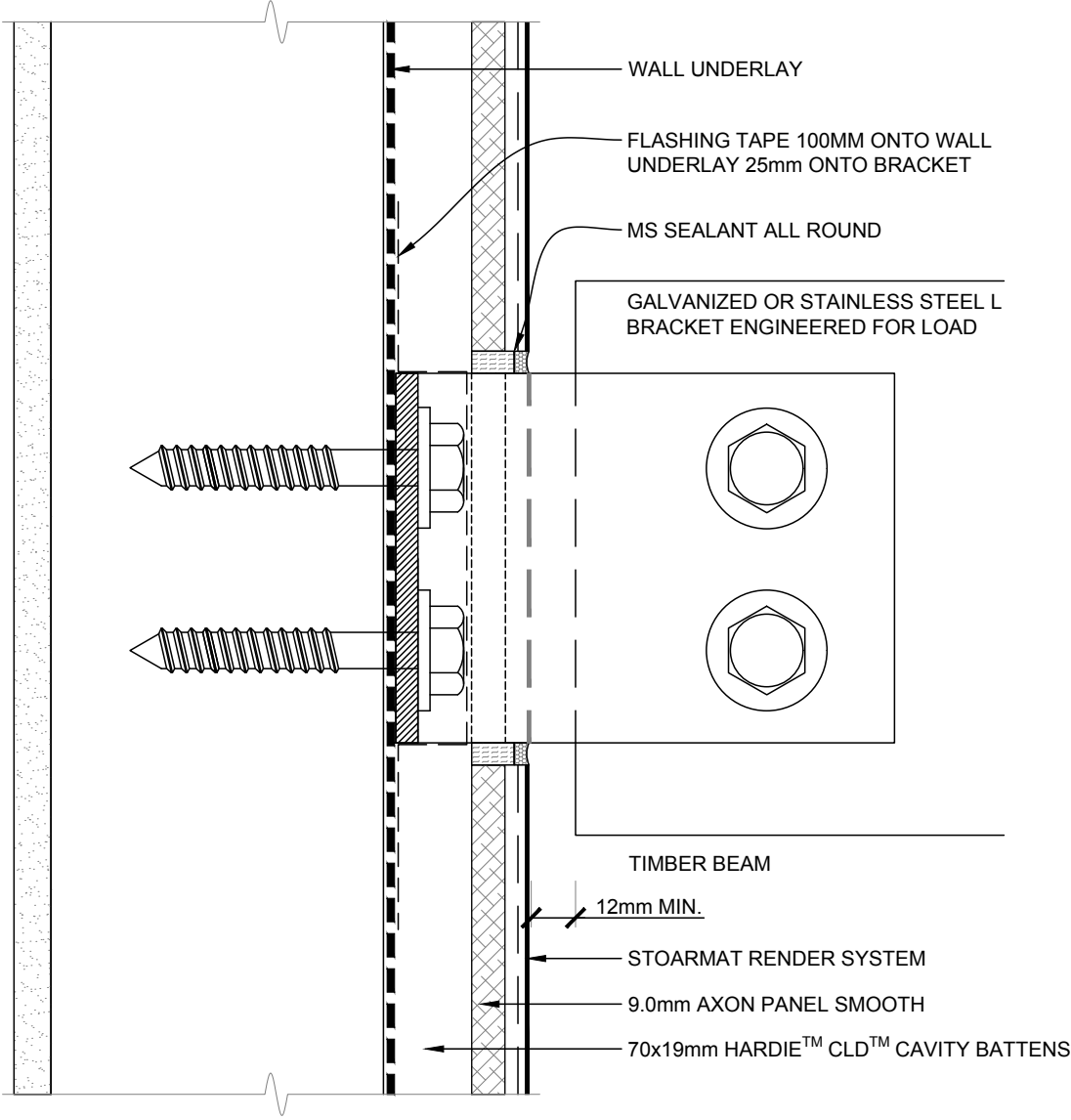


NOTE:
HANDRAIL REQUIRED WHERE BALUSTRADE IS UNDER 1000mm
WHERE A CONTROL JOINT EXTENDS ACROSS THE TOP OF THE
BALUSTRADE, FLEXIBLE FLASHING TAPE SHALL BE INSTALLED
OVER THE TIMBER PACKER BENEATH THE JOINT.

SCALE 1:5

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM BALUSTRADE/ ENCLOSED DECK DETAIL	AP 504
		2026

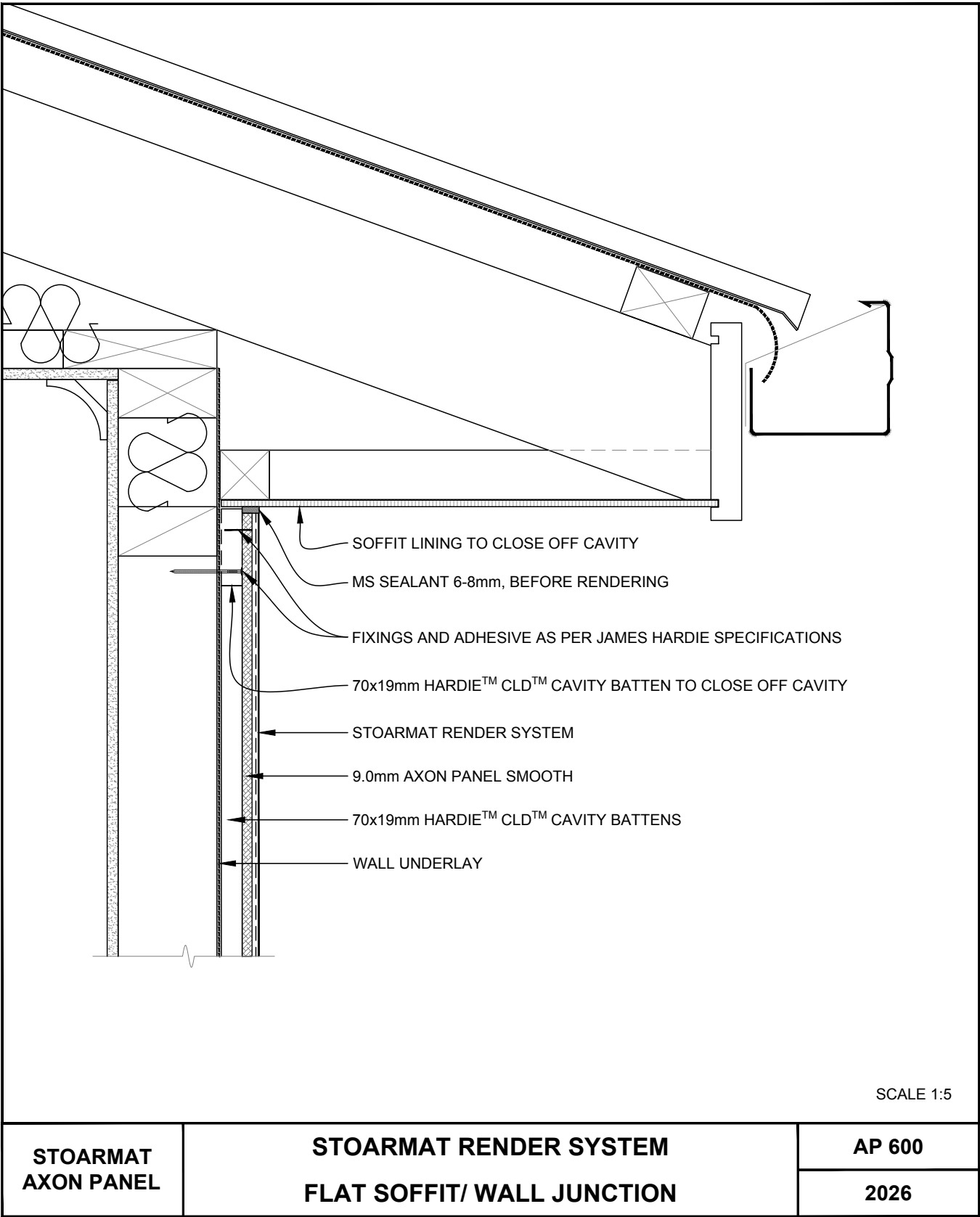
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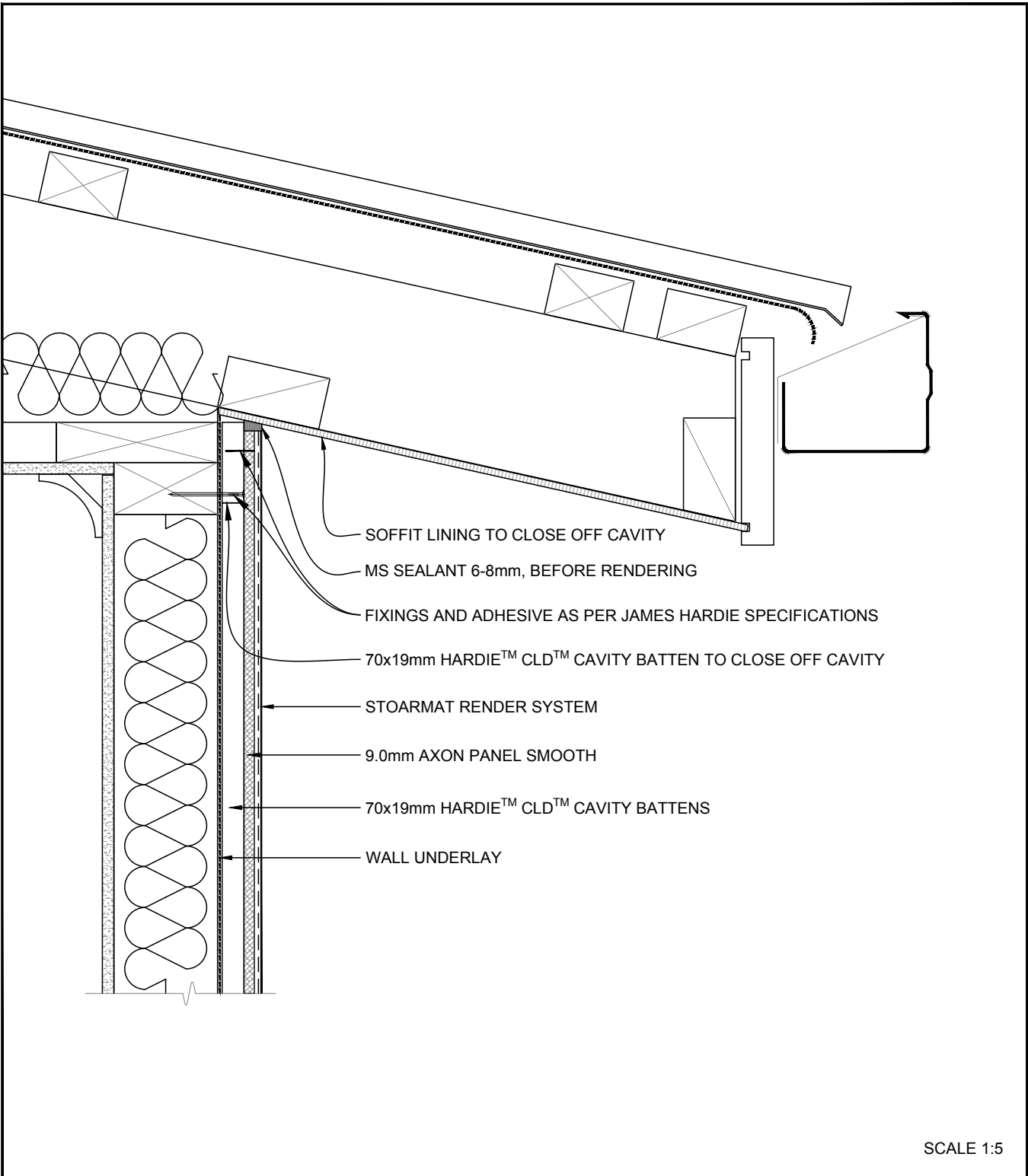
SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM TIMBER BEAM/ PERGOLA DETAIL	AP 505
		2026

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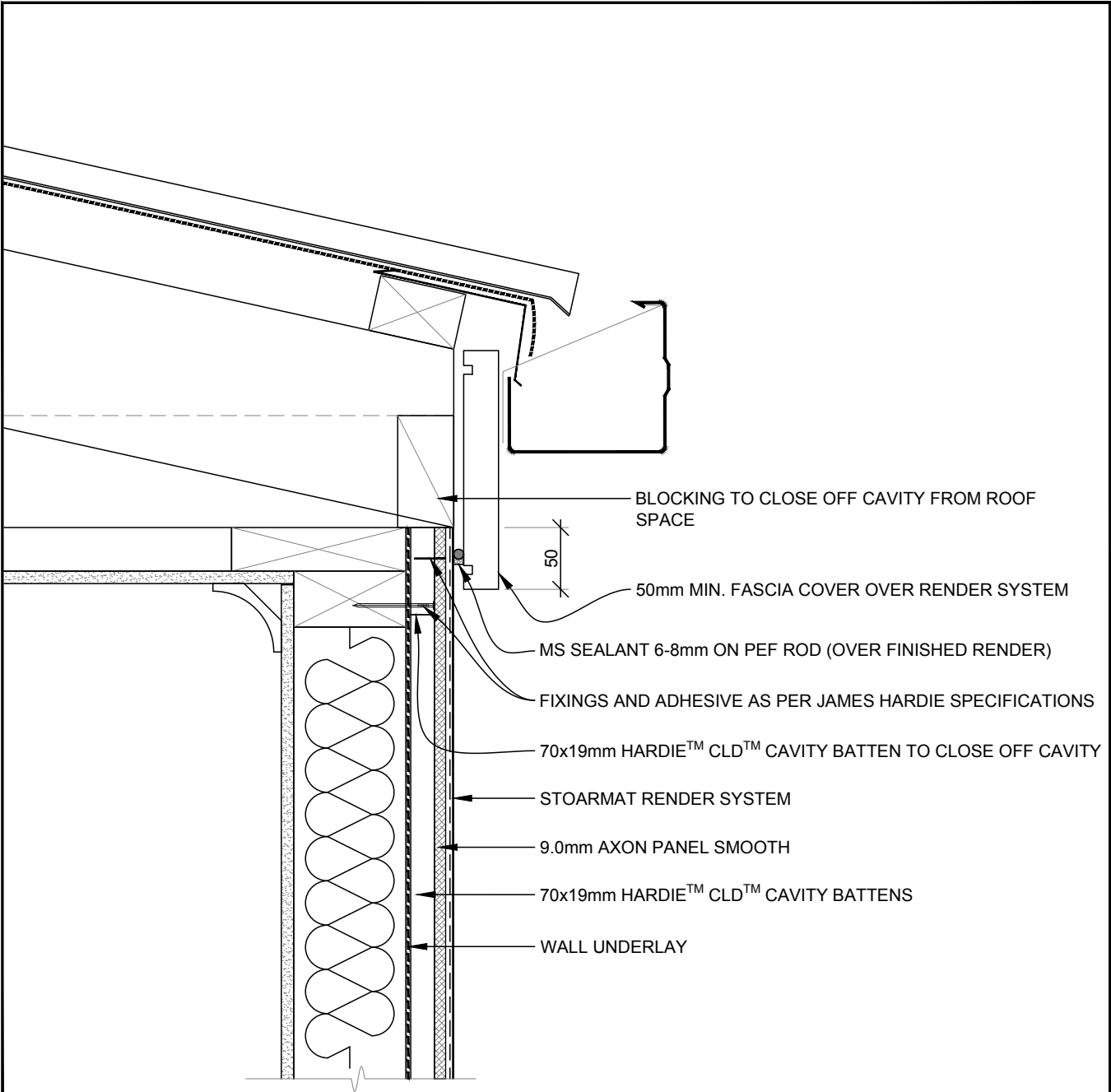


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STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM RAKING SOFFIT/ WALL JUNCTION	AP 601
		2026

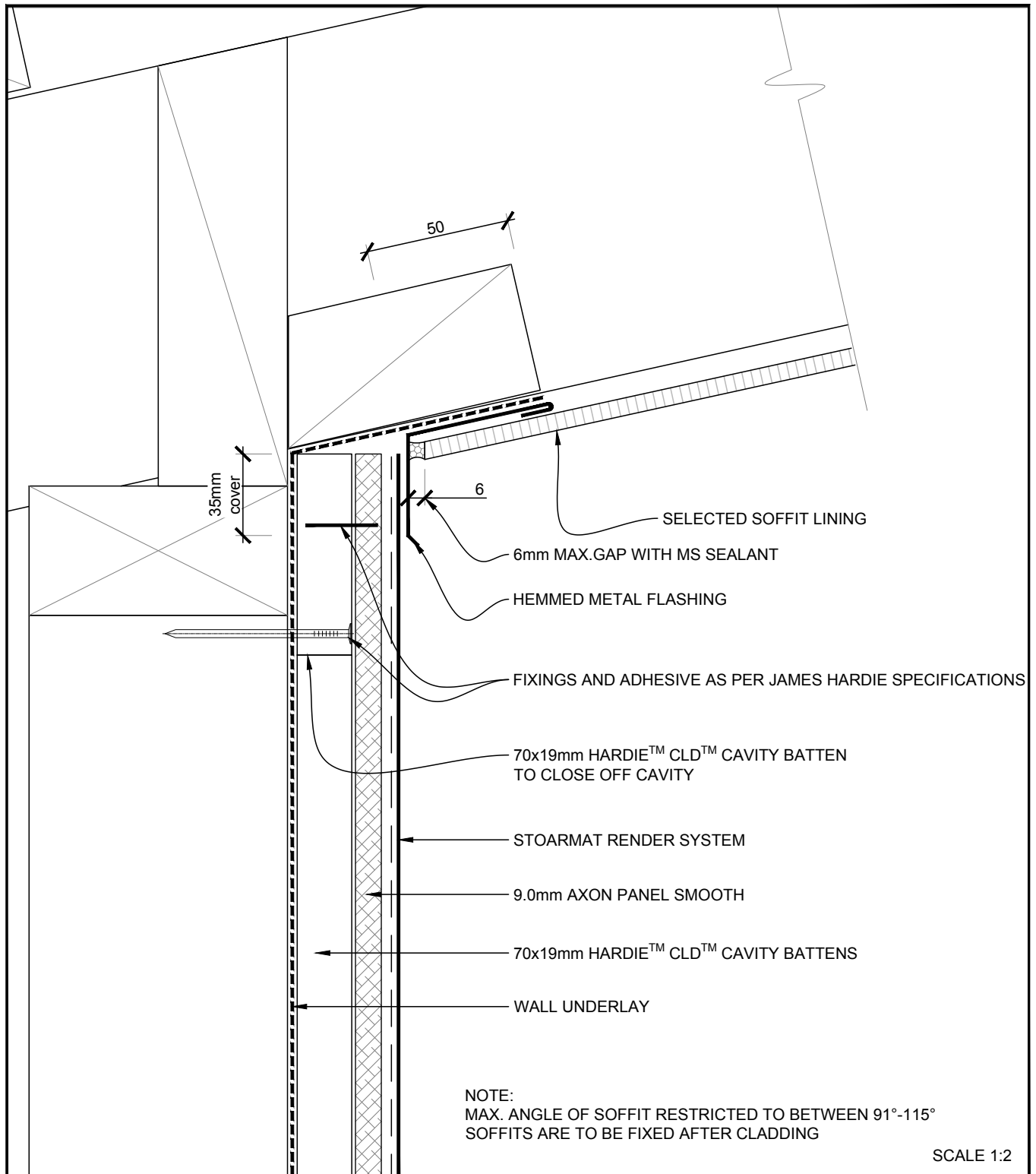
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SCALE 1:5

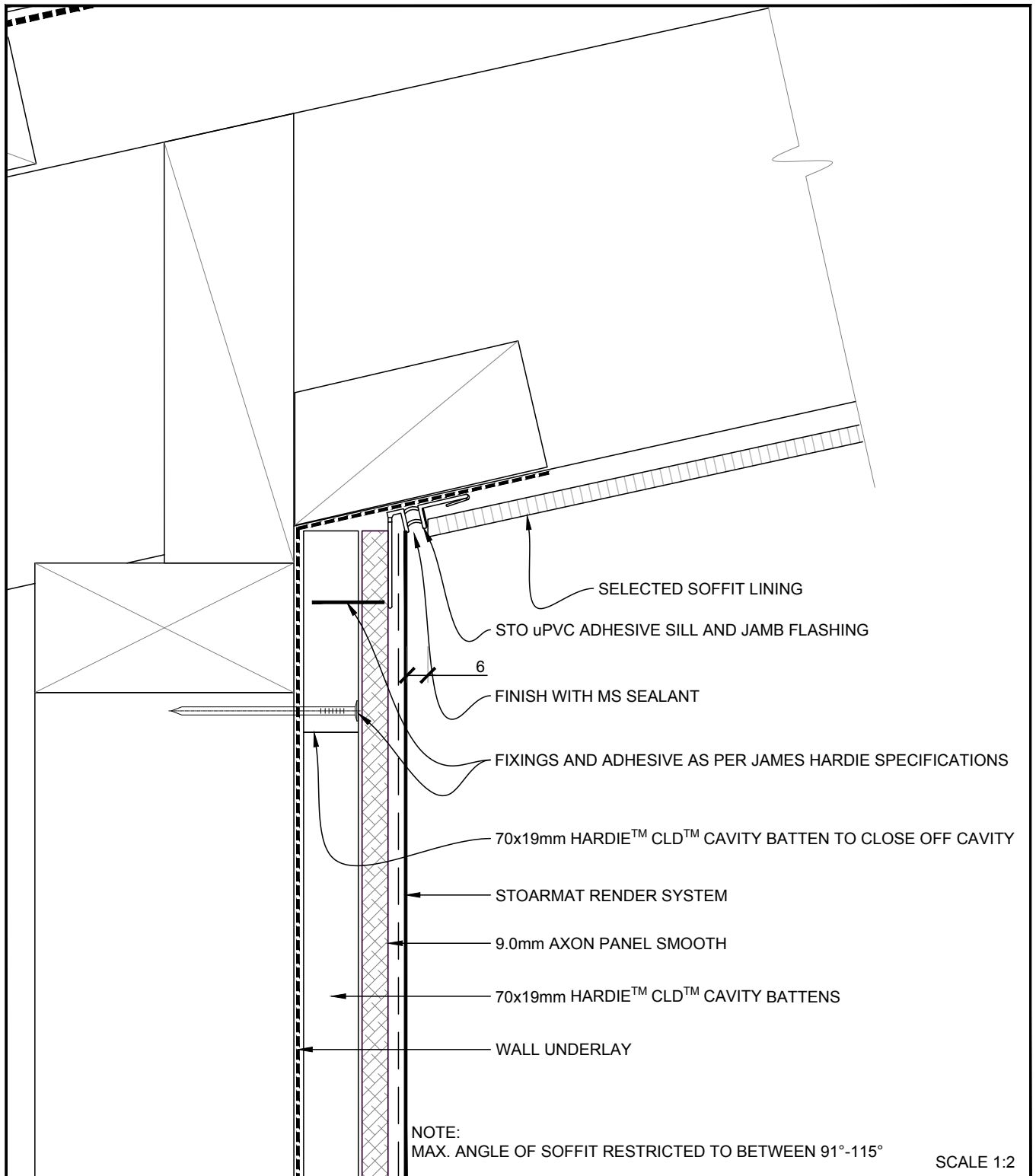
STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM FACE FIXED FASCIA	AP 602
		2026

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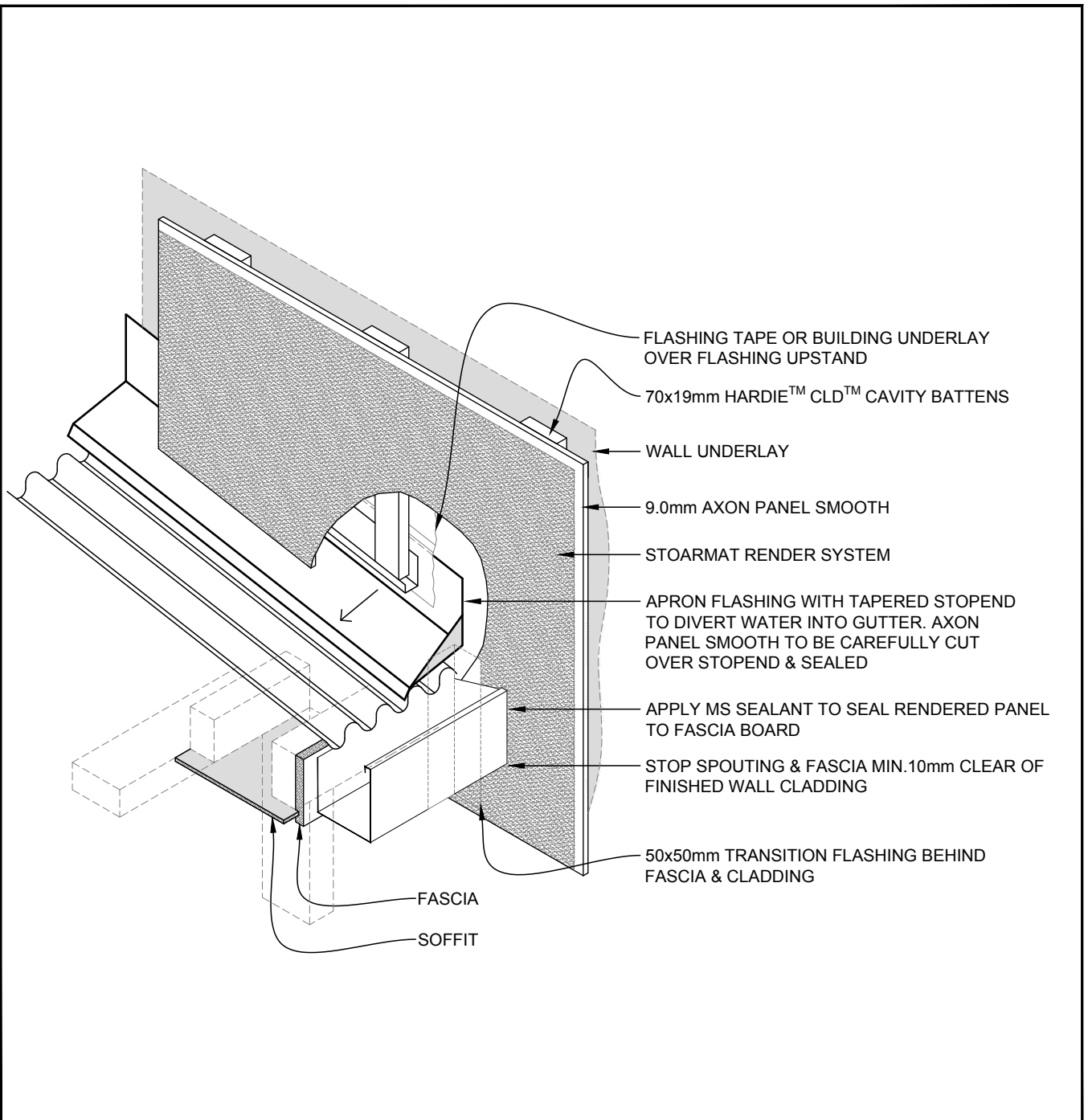


STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM RAKING SOFFIT (REVERSED)	AP 603
		2026.8

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STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM RAKING SOFFIT - STO uPVC CONTROL JOINT	AP 604
		2026.8

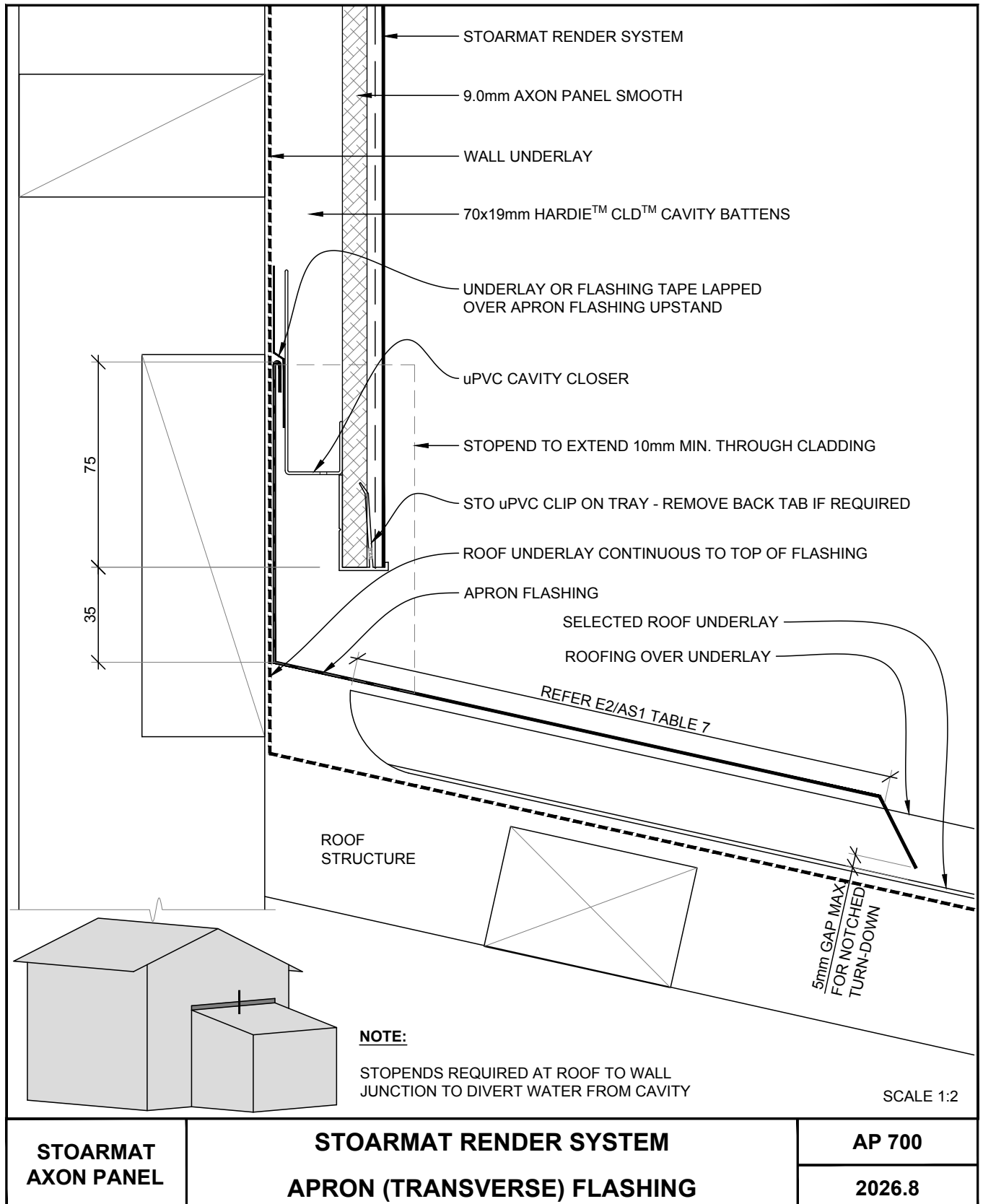


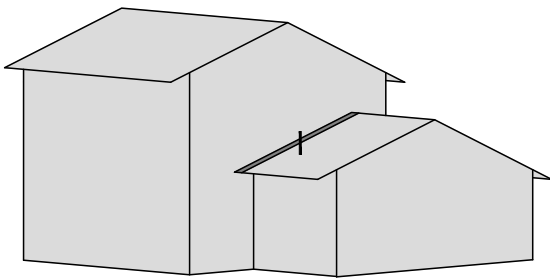
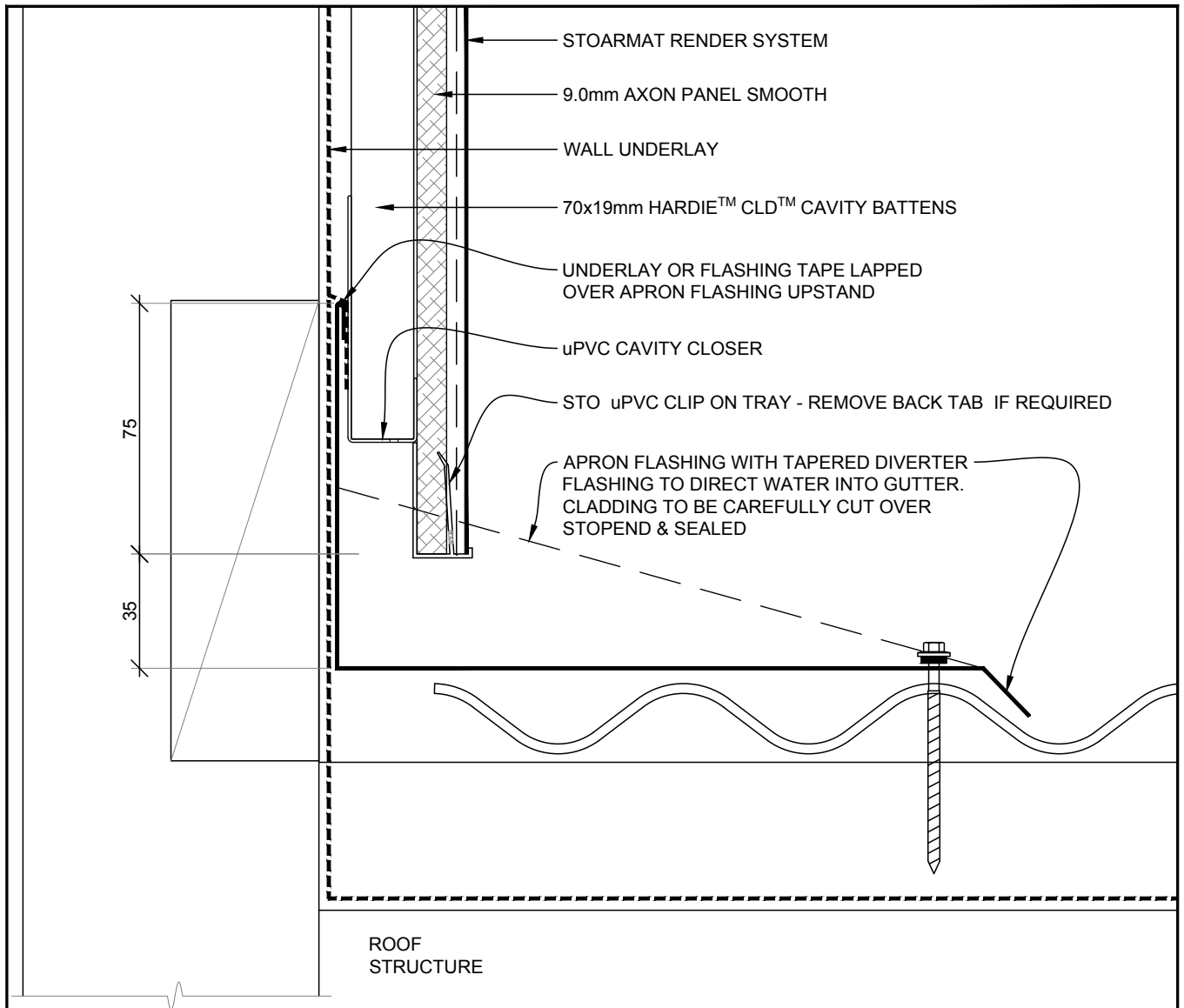
NOTE:
FOR DURABILITY OF FLASHINGS - REFER TABLE C.1.1.1A NZBC
E2/AS1 ROOF UNDERLAY OMITTED FOR CLARITY

SCALE 1:10

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM GUTTER/ WALL JUNCTION - ISOMETRIC	AP 605
		2026

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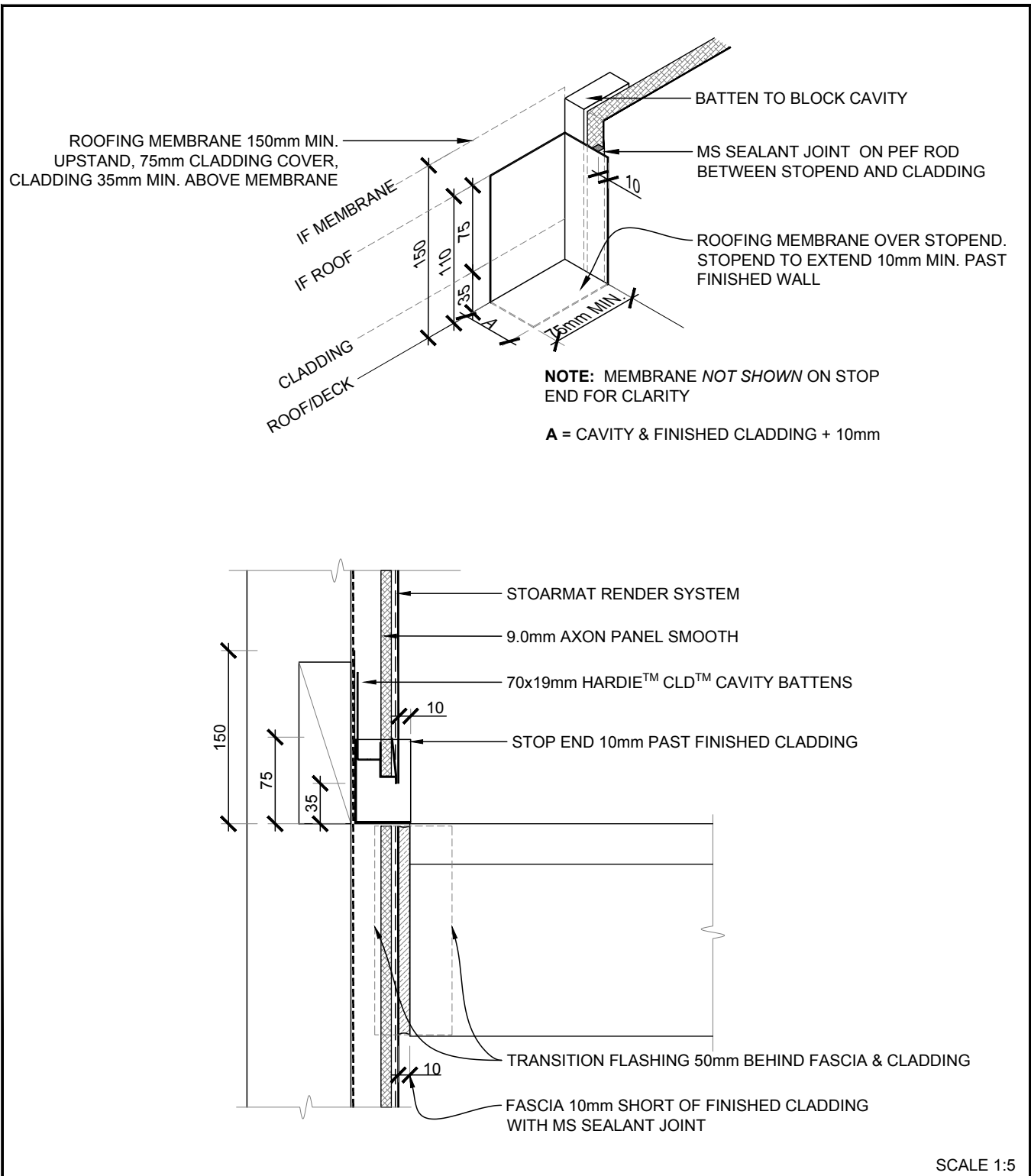


NOTE:

PROVIDE DIVERTER FLASHING AT ROOF TO GUTTER JUNCTION TO DIVERT WATER INTO THE GUTTER

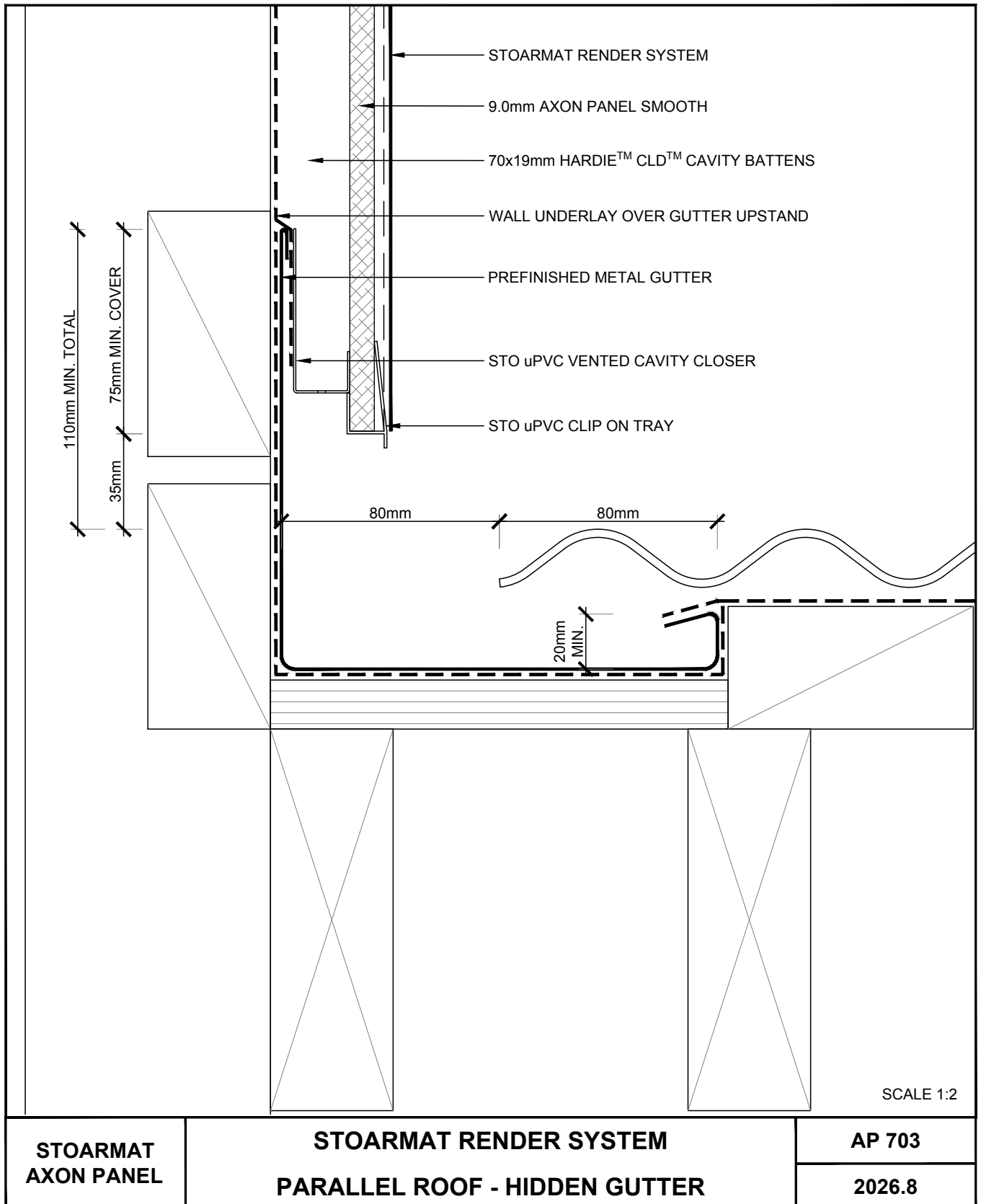
SCALE 1:2

STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM APRON (PARALLEL) FLASHING	AP 701
		2026.8

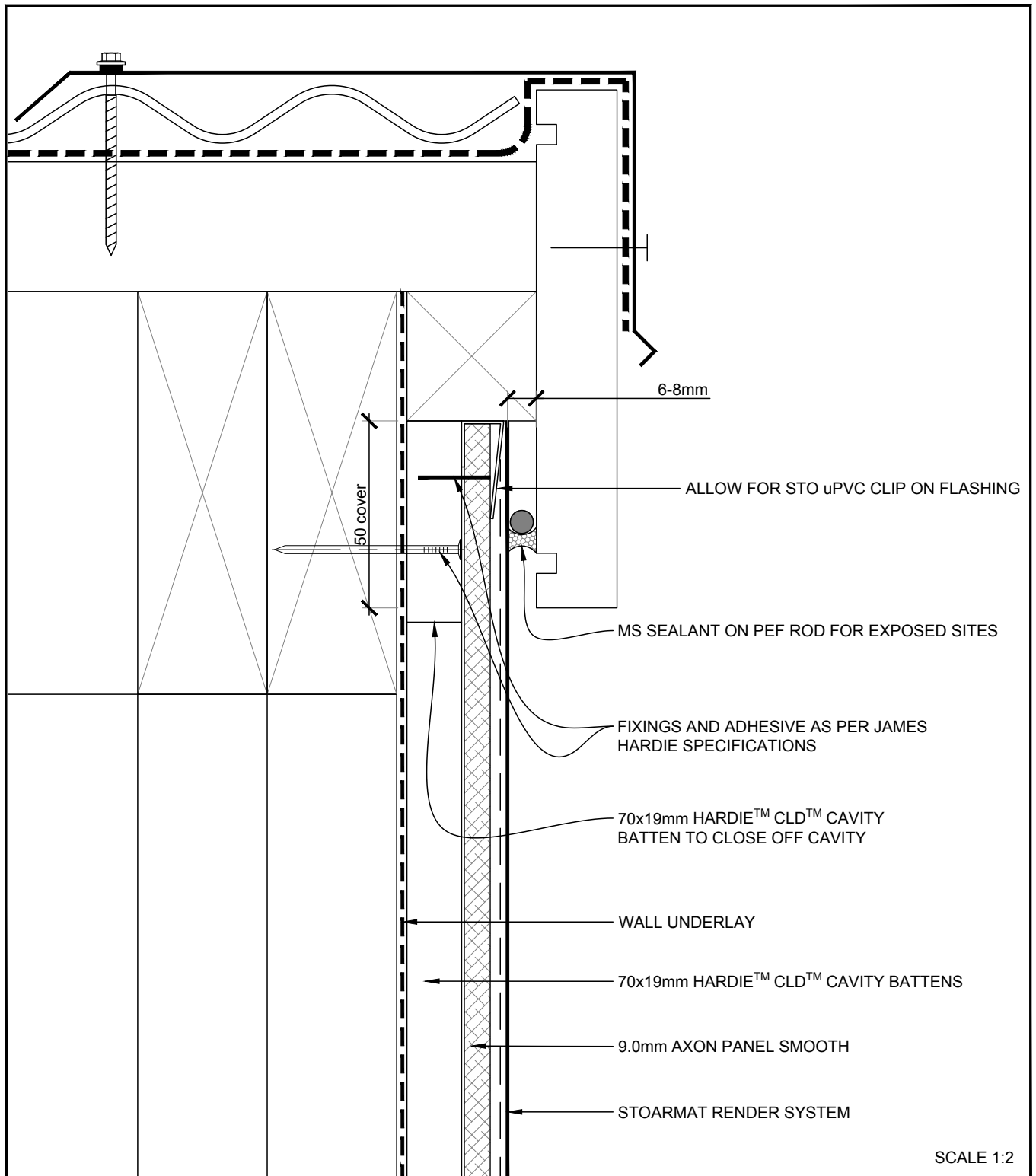


STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM INTER-STOREY FLAT ROOF STOPEND	AP 702
		2026

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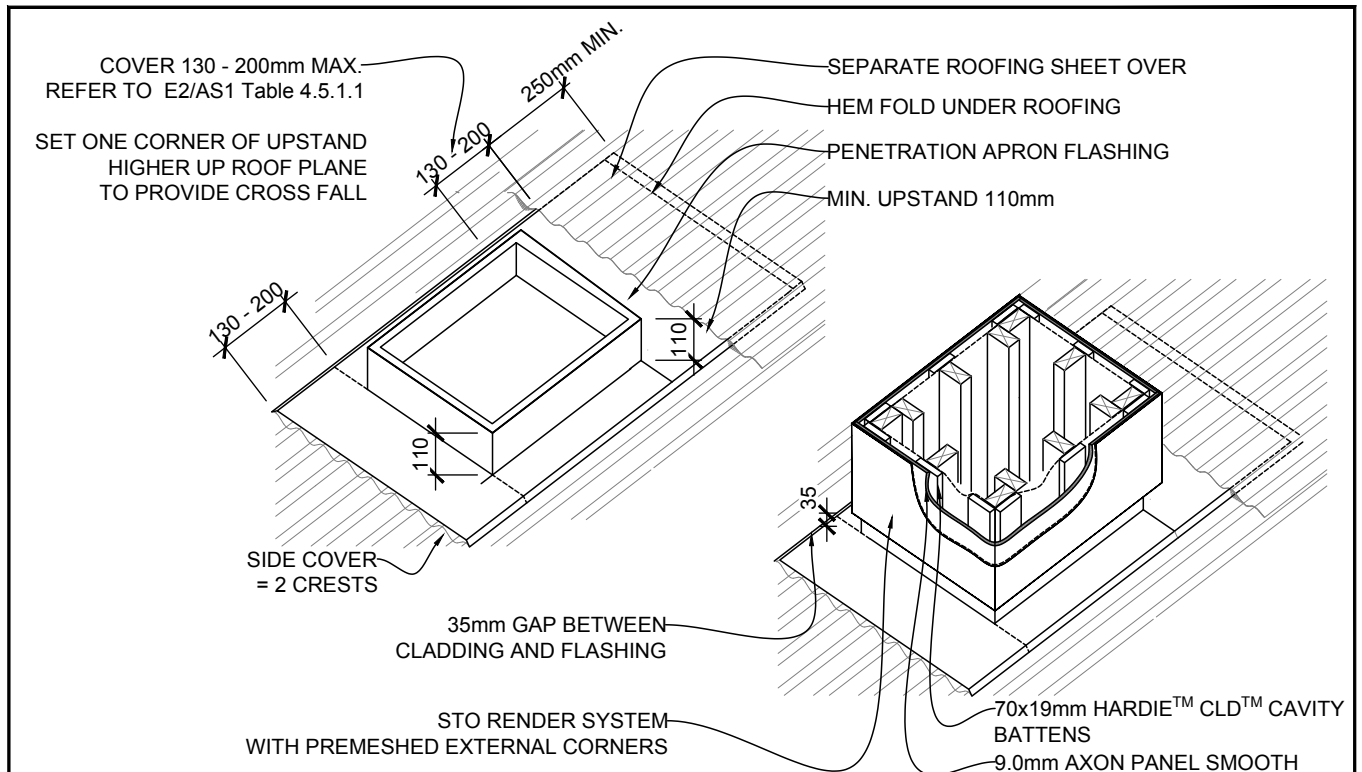


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STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM FACE FIXED FASCIA/ BARGE	AP 704 2026.8
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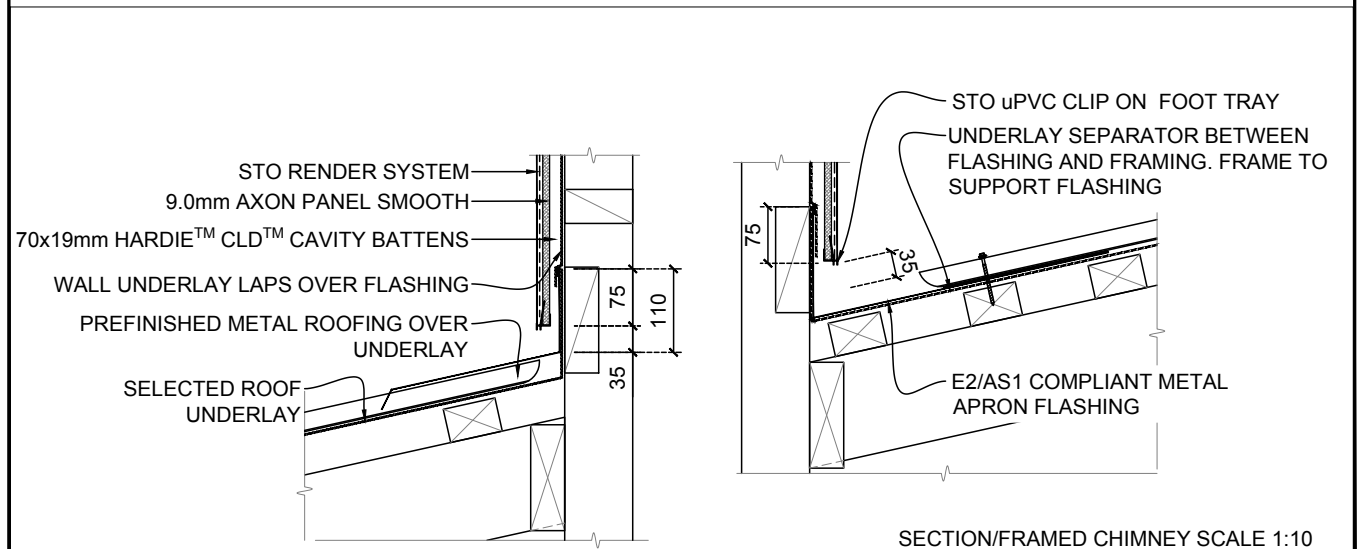
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NOTE:

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

FRAMED CHIMNEY
SCALE 1:20



STOARMAT AXON PANEL	STOARMAT RENDER SYSTEM FRAMED CHIMNEY-PENETRATION UP TO 1200mm	AP 705
		2026