

# DRAWING LIST

ARCHITECTURAL WALL PANEL (AWP) HORIZONTAL Q1 2024					
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## DISCLAIMER

These details are provided as a guideline for correct panel and associated component installation, which are based on industry accepted practices.

The location of the vapour barrier and associated sealants in these details are for typical "ambient" installations. Contact Kingspan Technical for specific detailing for low temp, high humidity or fire detailing.

All structural supports are 'not by Kingspan'. They are shown for clarification and illustrative purposes only.

Refer the product data sheet for maximum panel spans based on the project specific design loads as determined by the project engineer.

Cold rolled steel sections are shown on these details however hot rolled or timber can be substituted.

The number of fixings on any detail is an indication only, the actual number required is project specific and need to be calculated based on project specific conditions. Refer to the project engineer.

These details are subject to change at anytime. Please refer to the Kingspan NZ website or Kingspan Technical for the latest version.

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION DRAWING LIST		
APPROVED BY JS	DATE 08.03.24.	REVISION -
DRG REF: AWP_HS_01	SCALE 1	PAPER SIZE A4

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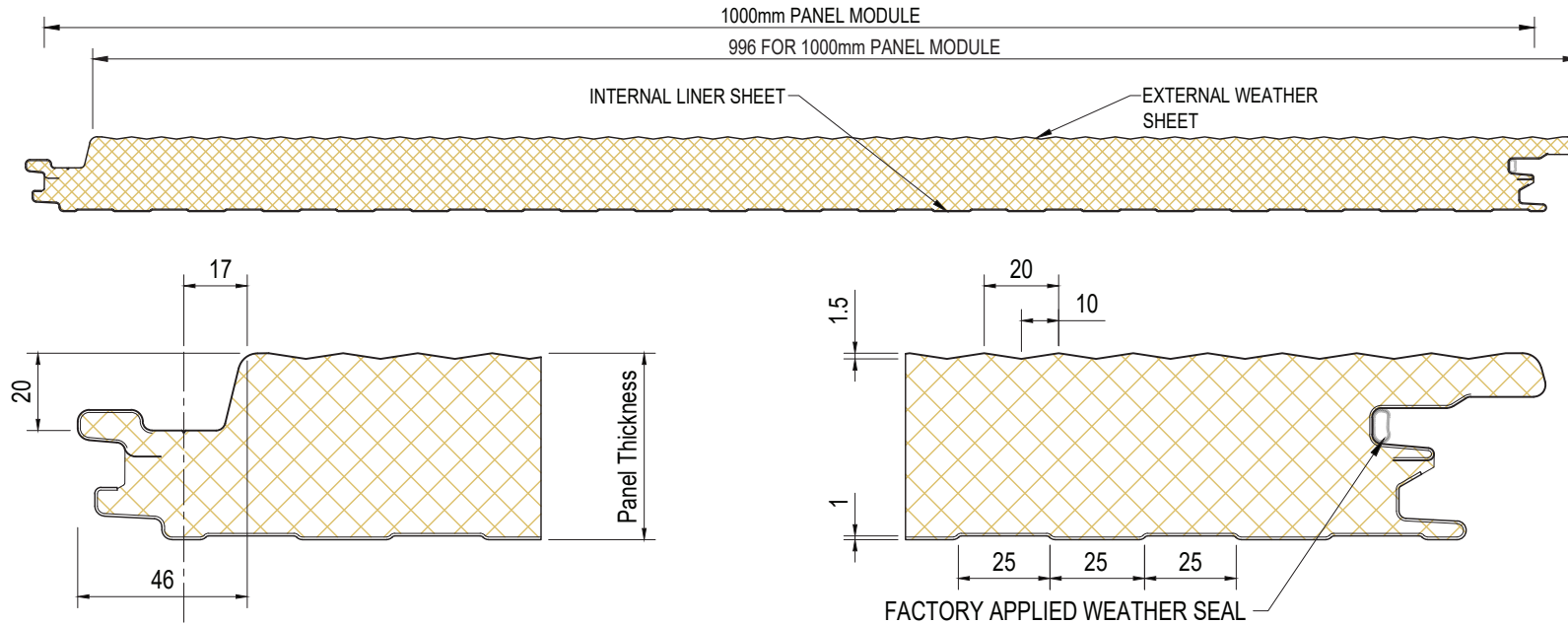
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# AWP WALL PROFILE: MICRO-RIB & MINI-MICRO

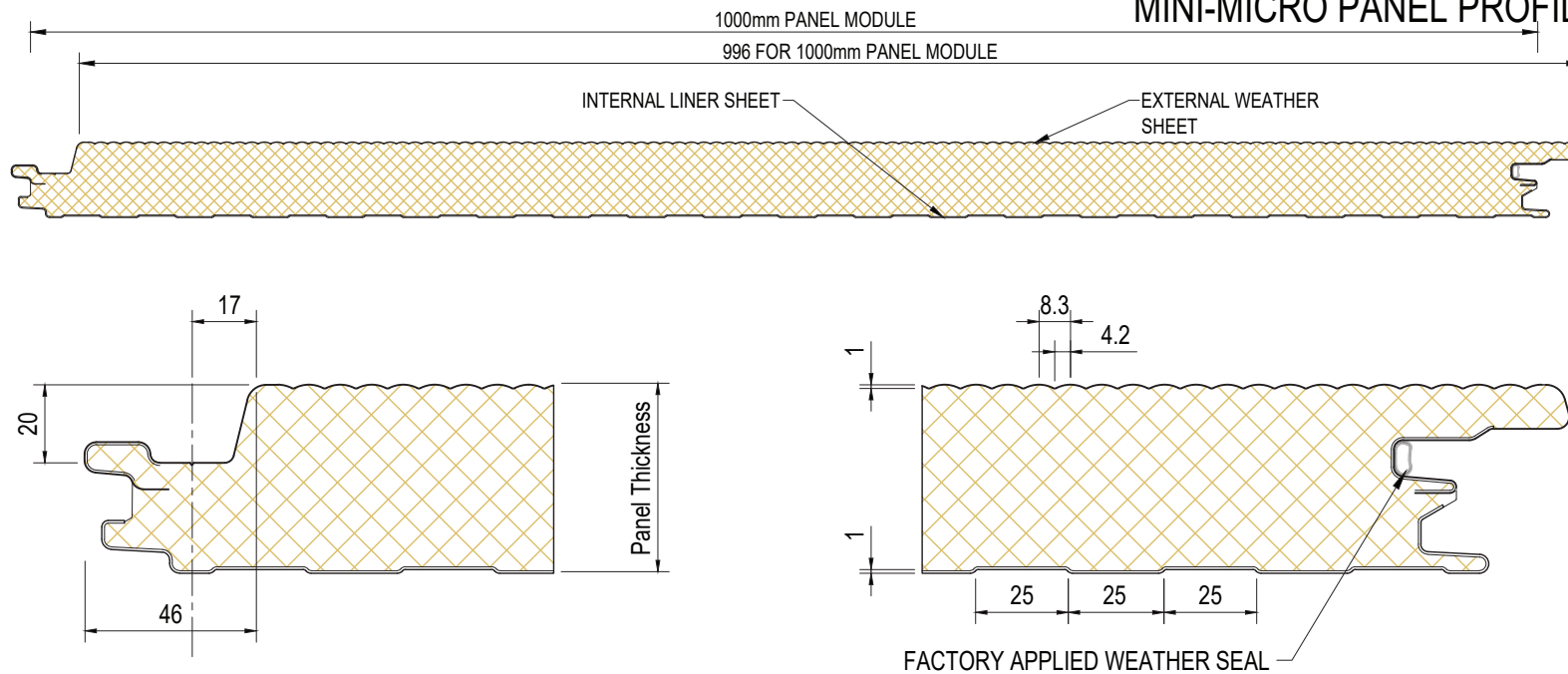
## MICRO-RIB PANEL PROFILE



AVAILABLE PANEL THICKNESSES	
INSULATION CORE	
	50
	80
	100
	140

NOTE: DIMENSIONS ARE NOMINAL. ACTUAL DIMENSIONS WILL VARY DUE TO MANUFACTURING TOLERANCES. PRECISE DIMENSIONS MUST ALWAYS BE MEASURED FROM ACTUAL SAMPLES ALL DIMENSIONS IN MILLIMETRES.

## MINI-MICRO PANEL PROFILE



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL PROFILE: MICRO-RIB & MINI-MICRO		
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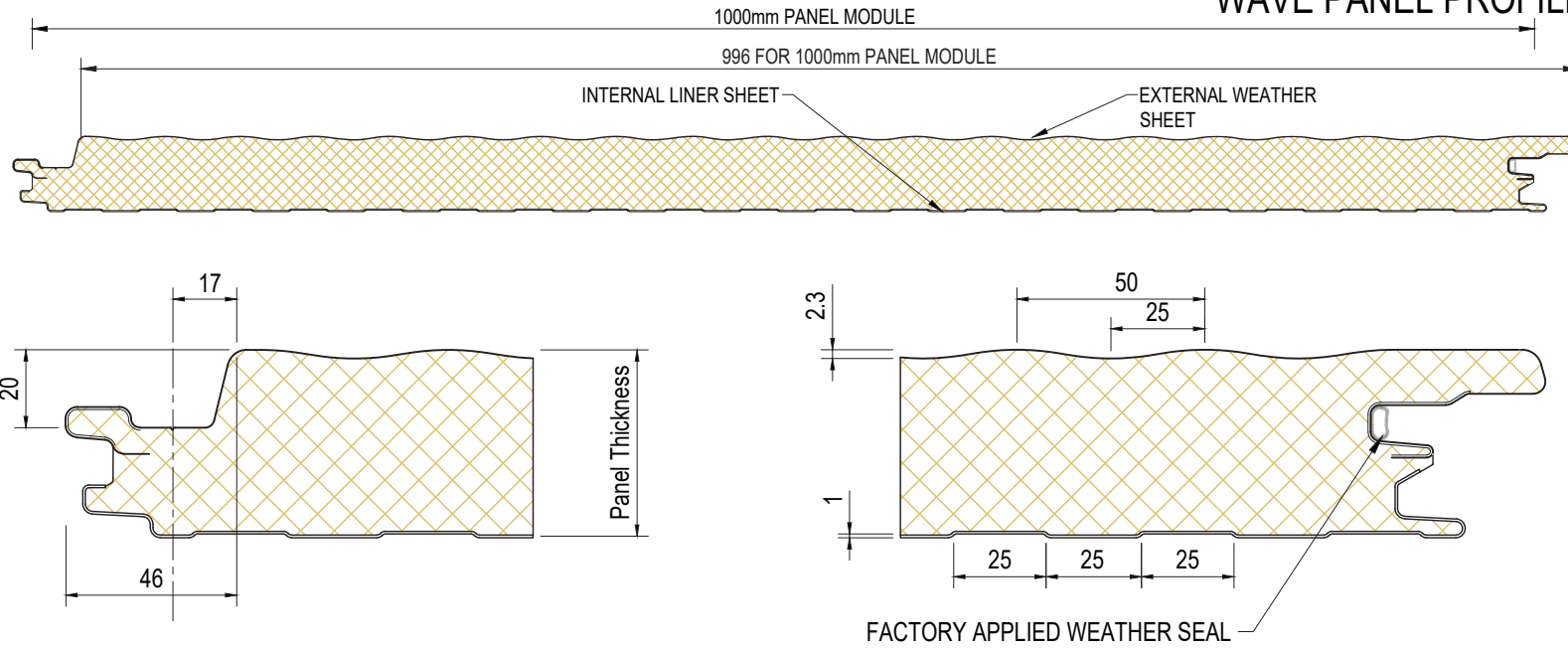
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# AWP WALL PROFILE: WAVE

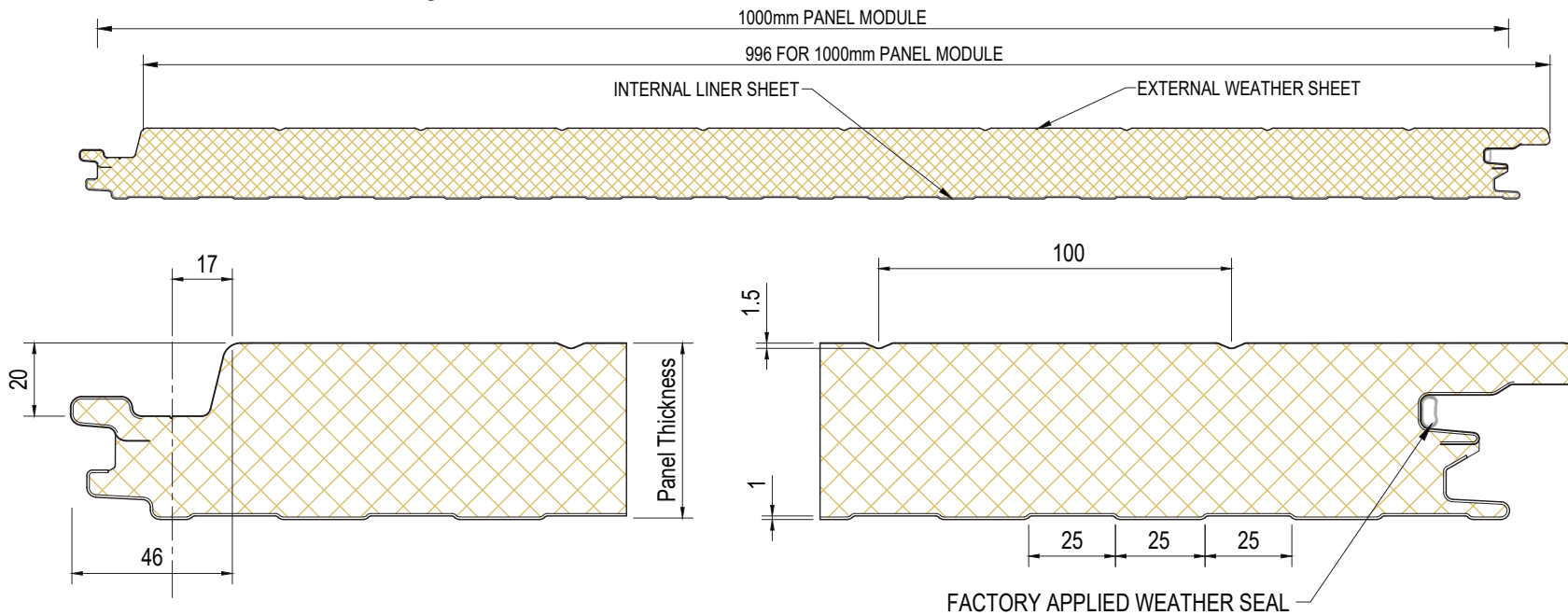
## WAVE PANEL PROFILE



AVAILABLE PANEL THICKNESSES	50
	80
	100
	140

NOTE: DIMENSIONS ARE NOMINAL, ACTUAL DIMENSIONS WILL VARY DUE TO MANUFACTURING TOLERANCES. PRECISE DIMENSIONS MUST ALWAYS BE MEASURED FROM ACTUAL SAMPLES ALL DIMENSIONS IN MILLIMETRES.

## PLANK PANEL PROFILES



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DESCRIPTION AWP WALL PROFILE: WAVE		
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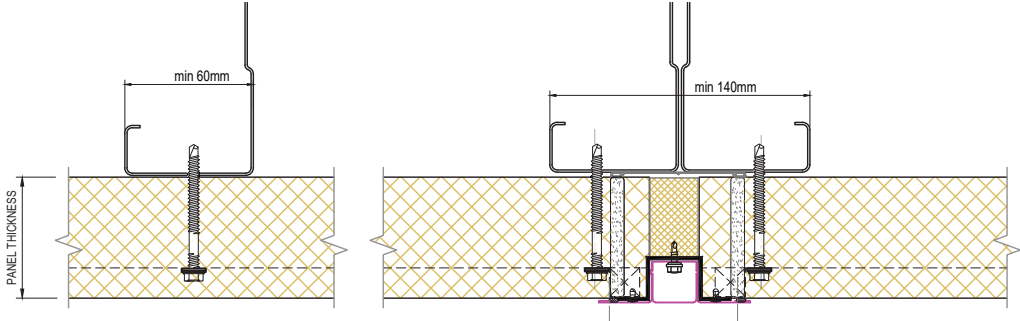
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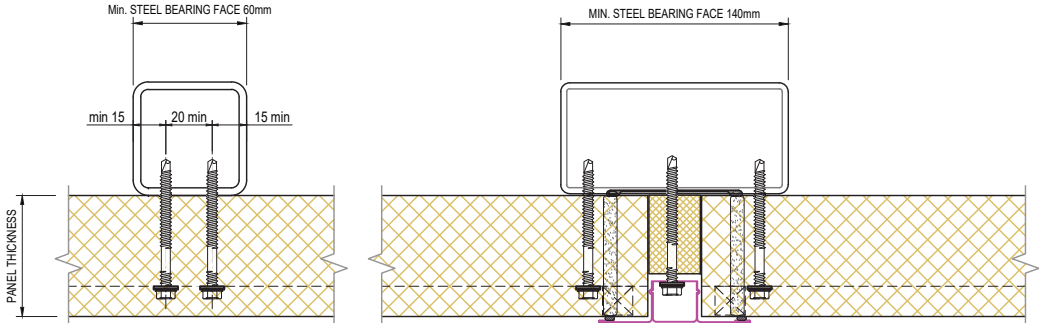
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# AWP WALL STRUCTURAL FIXING EXAMPLES

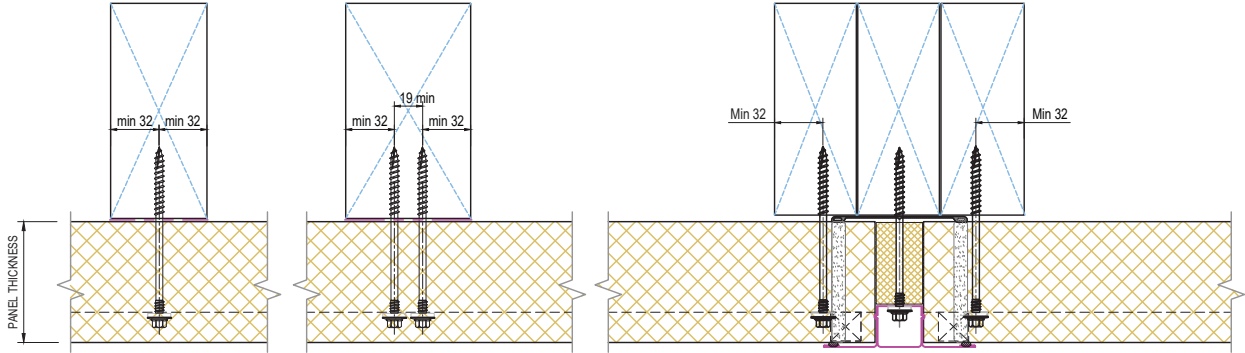
## FIX TO LIGHT STEEL STRUCTURE



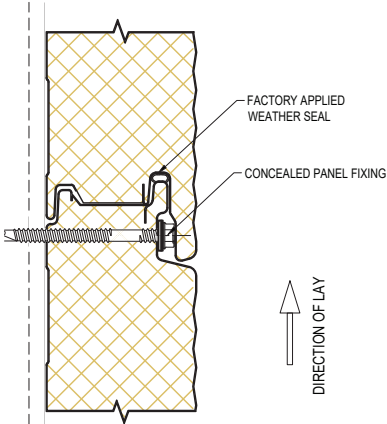
## FIX TO HEAVY STEEL STRUCTURE



## FIX TO TIMBER STRUCTURE



MIN TIMBER THICKNESS, 50mm  
ENSURE ADEQUATE TIMBER THICKNESS FOR SPECIFIED FIXING LENGTH (REFER FIXING SUPPLIER)



VERTICAL SECTION

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DESCRIPTION AWP WALL STRUCTURAL FIXING EXAMPLES		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
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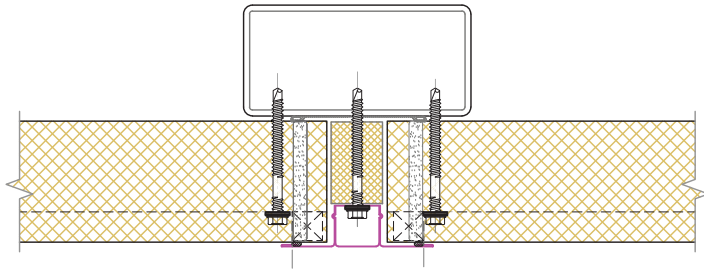
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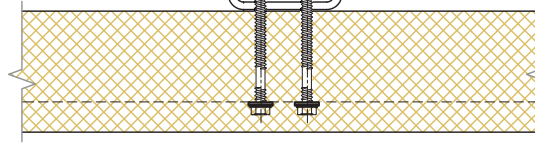
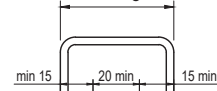
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# AWP WALL HORIZONTAL FIXING

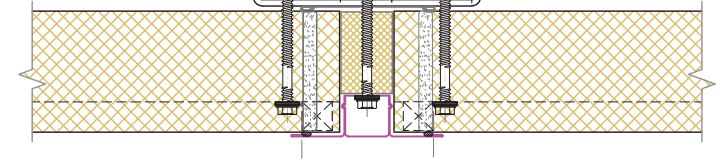
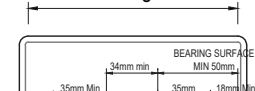
RECOMMENDED FASTENER LOCATIONS  
PATTERN A (SINGLE FASTENERS)



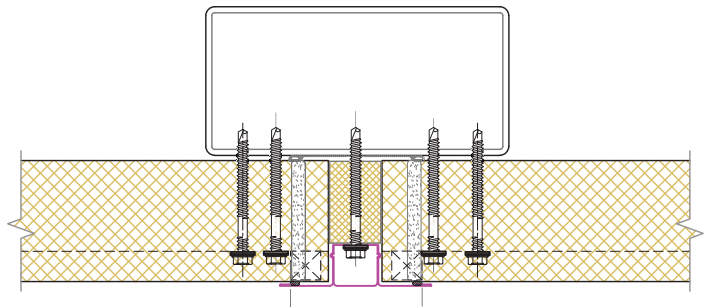
Min. Steel Bearing Face 60mm



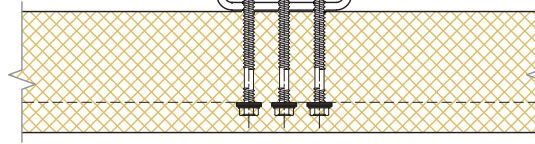
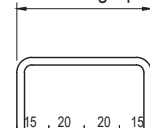
Min. Steel Bearing Face 140mm



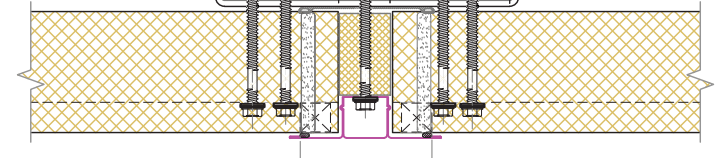
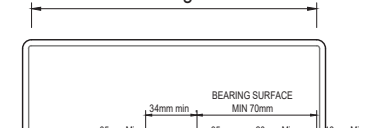
PATTERN B (SINGLE / DOUBLE FASTENERS)



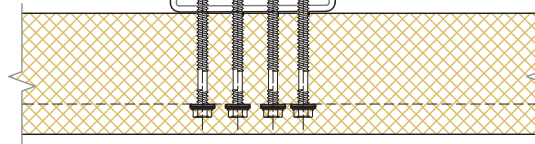
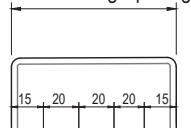
Minimum Fixing Spacings



Min. Steel Bearing Face 200mm

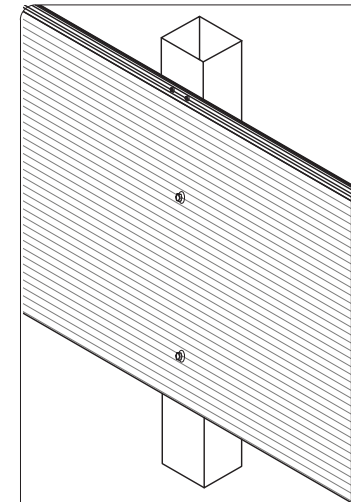


Minimum Fixing Spacings



**NOTE:**

NUMBER OF FASTENERS REQUIRED IS DEPENDENT ON THE PANEL SPAN AND WIND LOADS.



NOTE:  
FOR EXTREME WIND LOADS; ADDITIONAL  
FACE FIXING MAY BE REQUIRED

SYSTEM KS1000AWP WALL HORIZONTAL STD Q1 2024		
DESCRIPTION AWP WALL HORIZONTAL FIXING		
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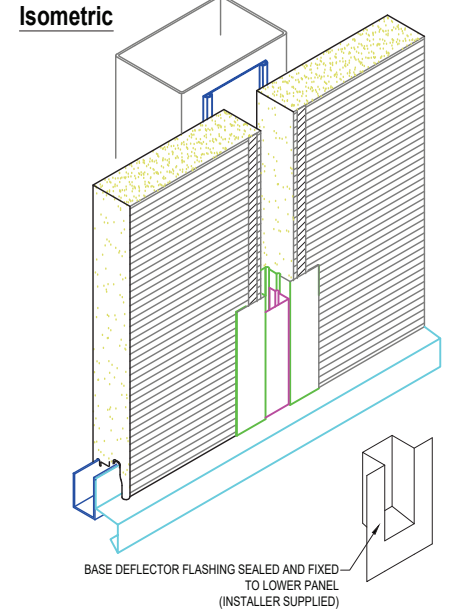
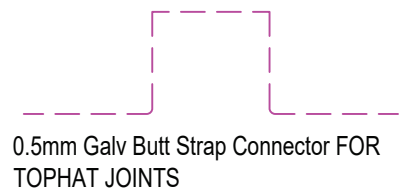
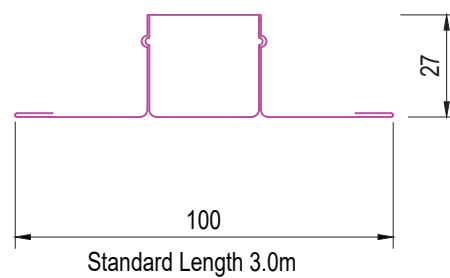
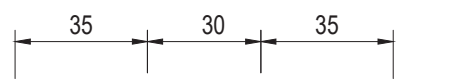
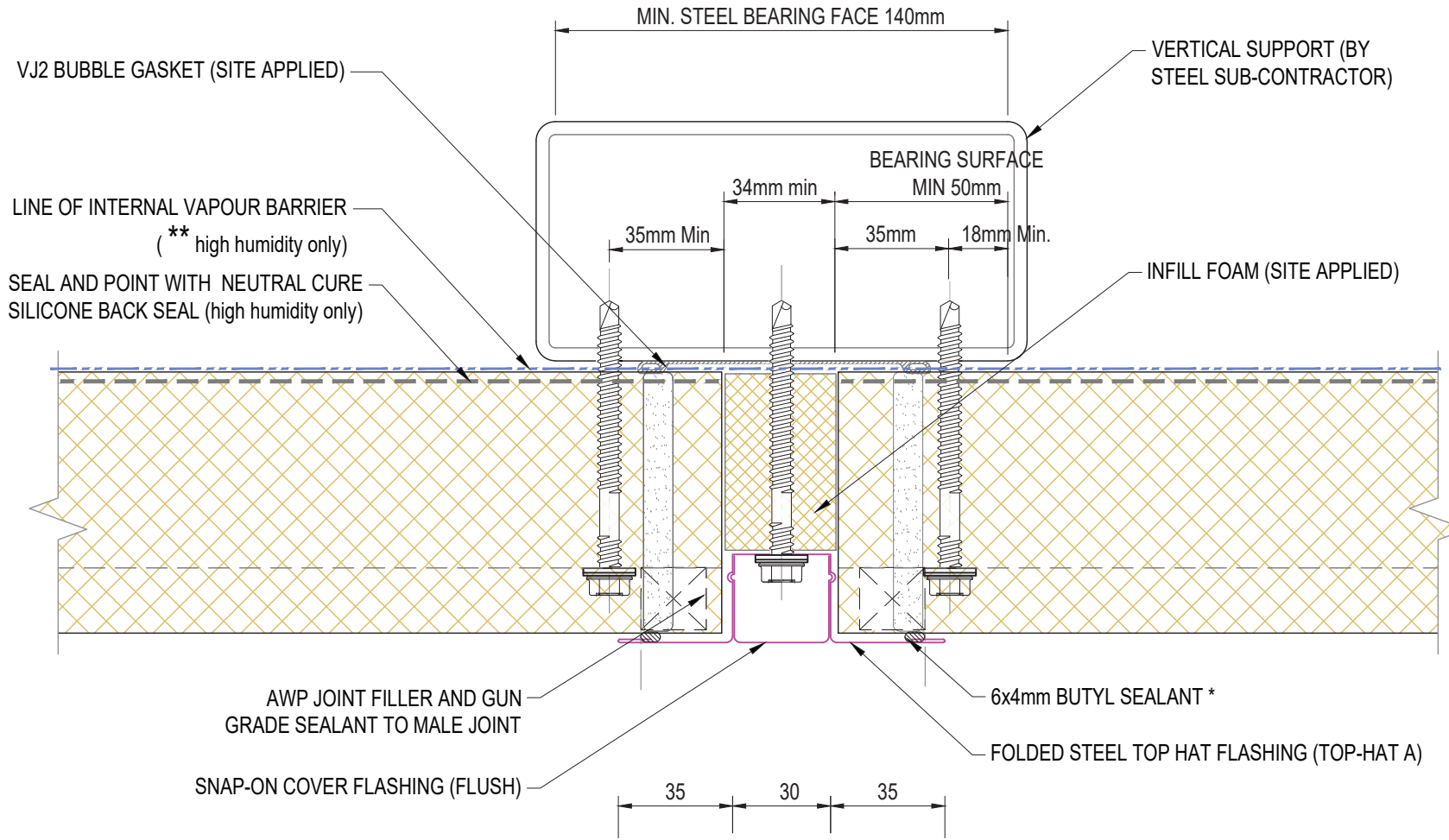
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# AWP WALL TOP HAT JOIN SINGLE FIXING (PLAN)



TYPICAL TOPHAT BASE DETAIL

**\* Note:**  
Where flashings cross the WV (Wave) profile use 9 x 6mm thick PVC foam - Not 6x4mm diameter butyl rubber sealant

**\*\* HIGH HUMIDITY DESIGN PRINCIPLES:**  
ARCHITECTS MUST CLEARLY IDENTIFY, ON DRAWINGS, THE LINE OF DEMARCATION BETWEEN HIGH HUMIDITY ENVIRONMENTS AND STANDARD ENVIRONMENTS. ALL PANELS WITHIN THE POOL ENVIRONMENT MUST BE INSTALLED IN ACCORDANCE WITH KINGSPAN HIGH HUMIDITY SPECIFICATIONS. TYPICALLY KINGSPAN AQUASAFE25 INTERNAL COATINGS, STAINLESS STEEL FIXINGS AND CONTINUOUS VAPOUR SEALS. REFER KINGSPAN HIGH HUMIDITY SPECIFICATIONS. IT IS THE DESIGNER'S RESPONSIBILITY TO CLEARLY IDENTIFY THE VAPOUR BARRIER LOCATION AS IT TRAVERSES VARIOUS PRODUCTS  
ALL FIXINGS TO BE FASTENED THROUGH TO CLOSED PROFILED STRUCTURE SUCH AS TIMBER / RHS.  
ALL INTERIOR FLASHINGS TO BE AQUASAFE25.

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL TOP HAT JOIN SINGLE FIXING (PLAN)		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_06	SCALE 1:2	PAPER SIZE A4

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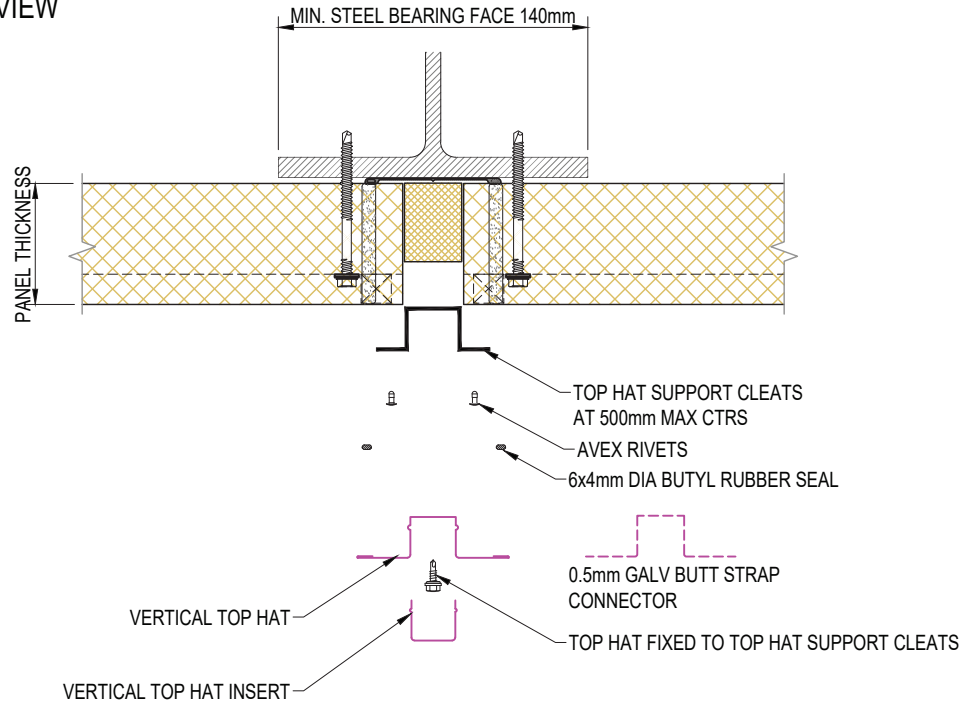
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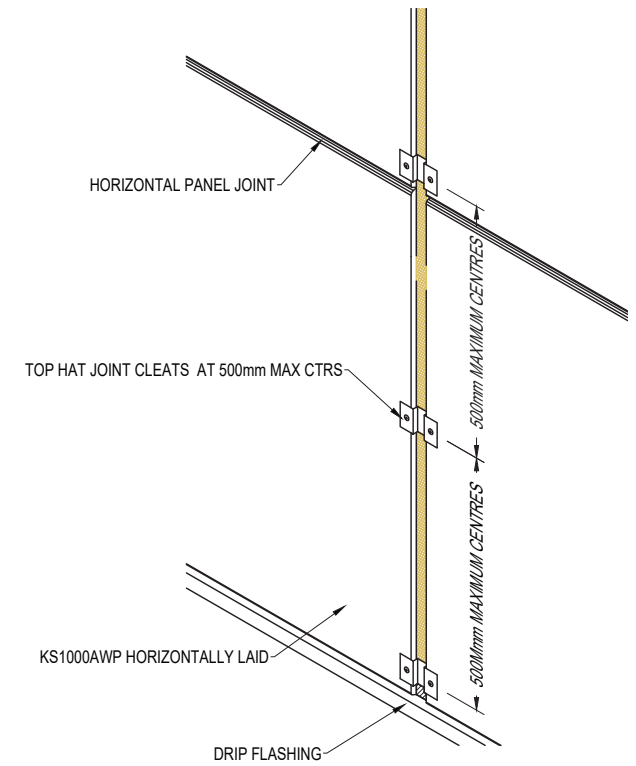
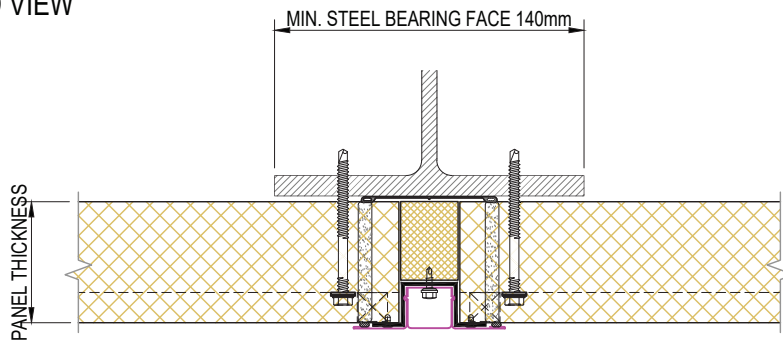
# AWP TOPHAT DETAIL TO UC COLUMN

(When a Top-Hat Flashing Will Clash With The Column Web)

## EXPLODED VIEW



## ASSEMBLED VIEW



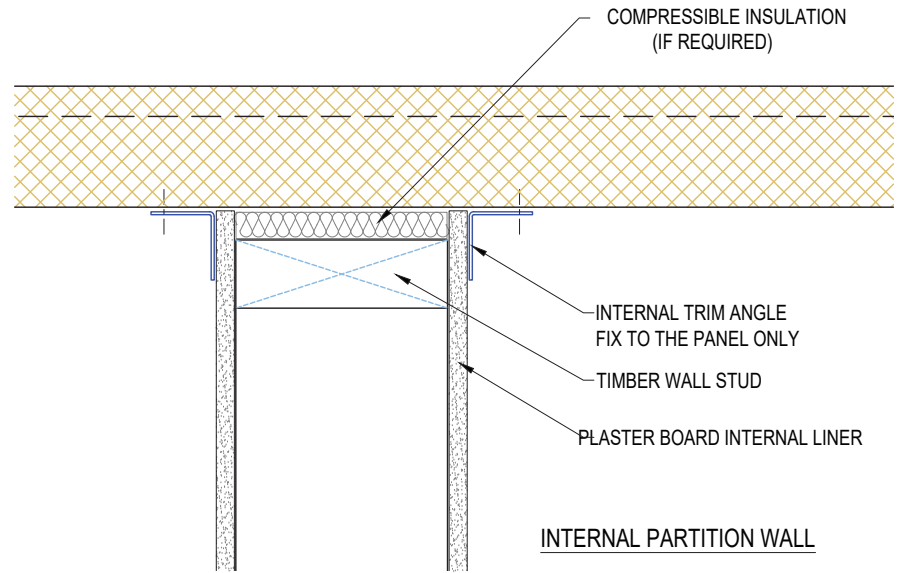
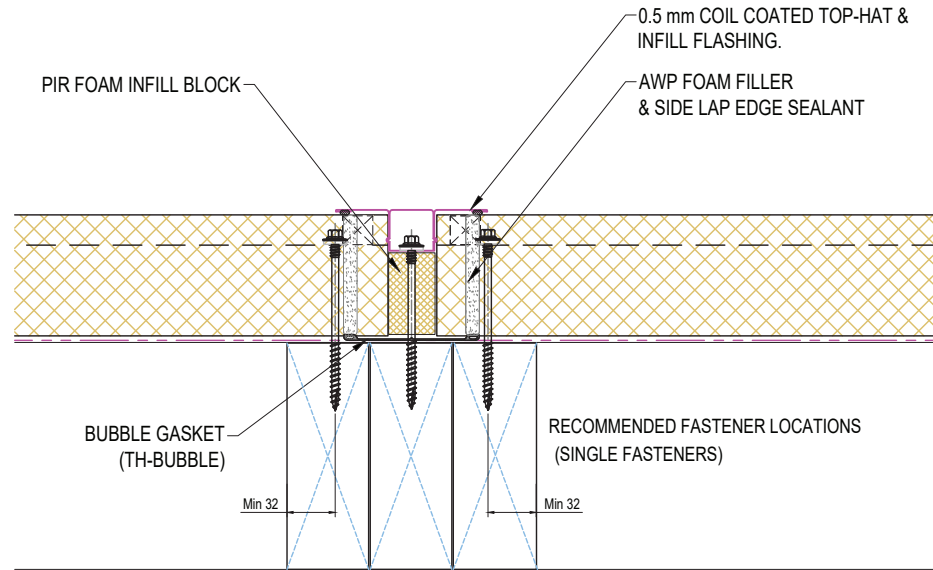
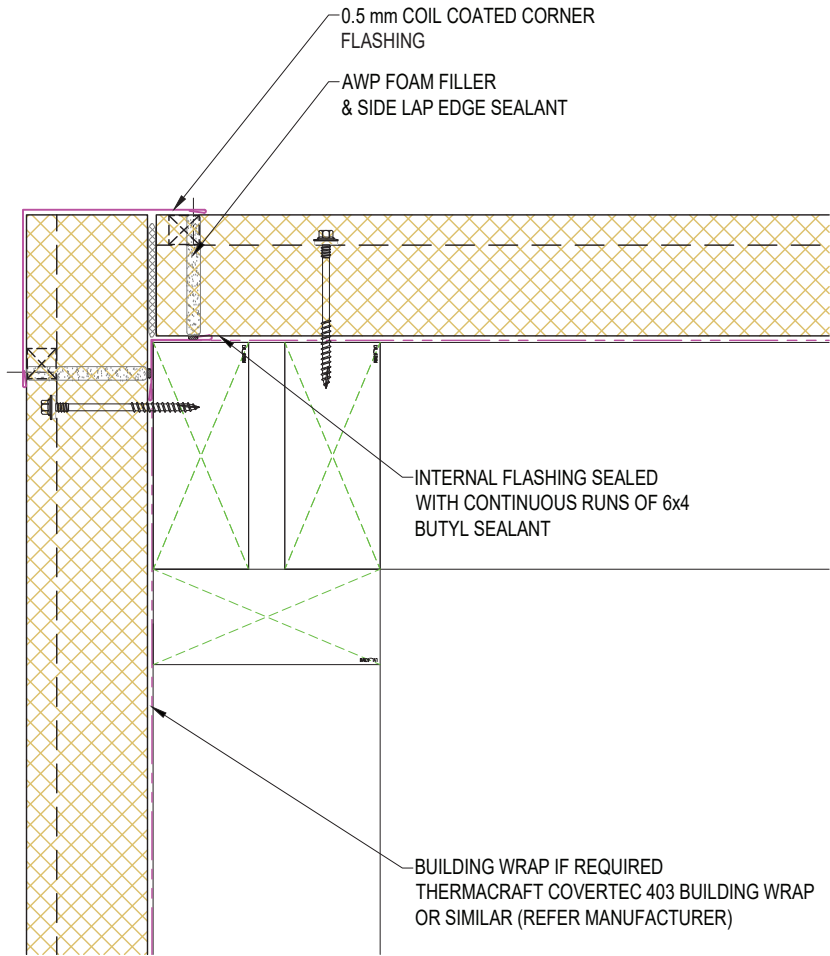
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP TOPHAT DETAIL TO UC COLUMN		
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# PANEL FIXED TO TIMBER STRUCTURE



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION PANEL FIXED TO TIMBER STRUCTURE		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
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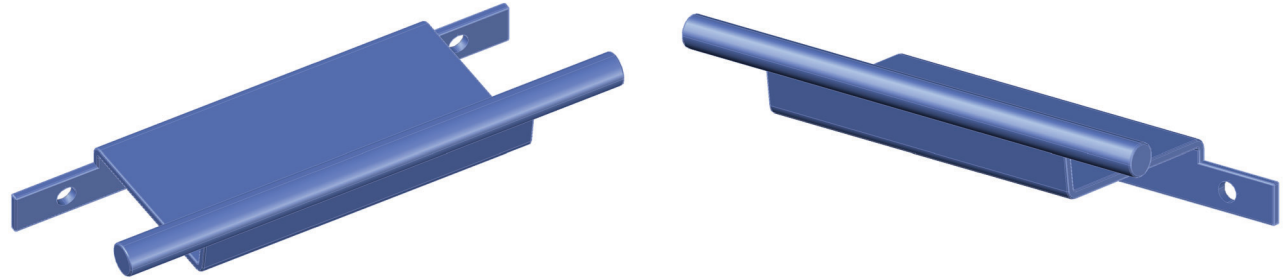
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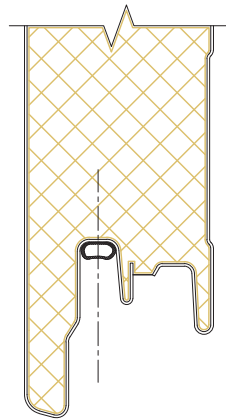
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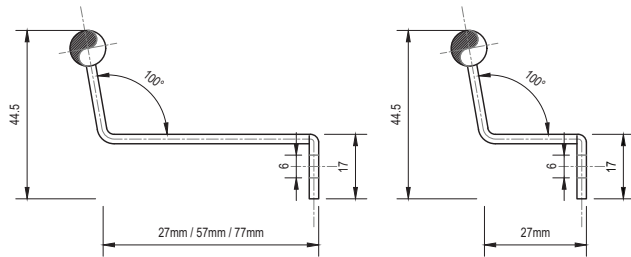
# AWP WALL PANEL BEARER DETAIL



KS1000AWP 50mm  
FEMALE JOINT



KINGSPAN 50mm, 80mm & 100mm  
AWP PANEL BEARER DETAILS

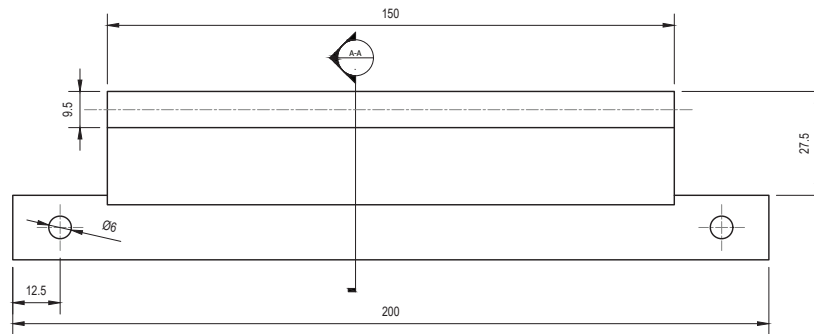


SECTION A-A

(50mm AWP = 27m)  
(80mm AWP = 57mm)  
(100mm AWP = 77m)

SECTION A-A

(50mm AWP)



ALL DIMENSIONS IN MILLIMETRES  
PANEL BEARER FIXING CENTRES 1500 mm MAX  
ONE NUMBER PANEL BEARER LOCATED AT EACH END OF PANEL

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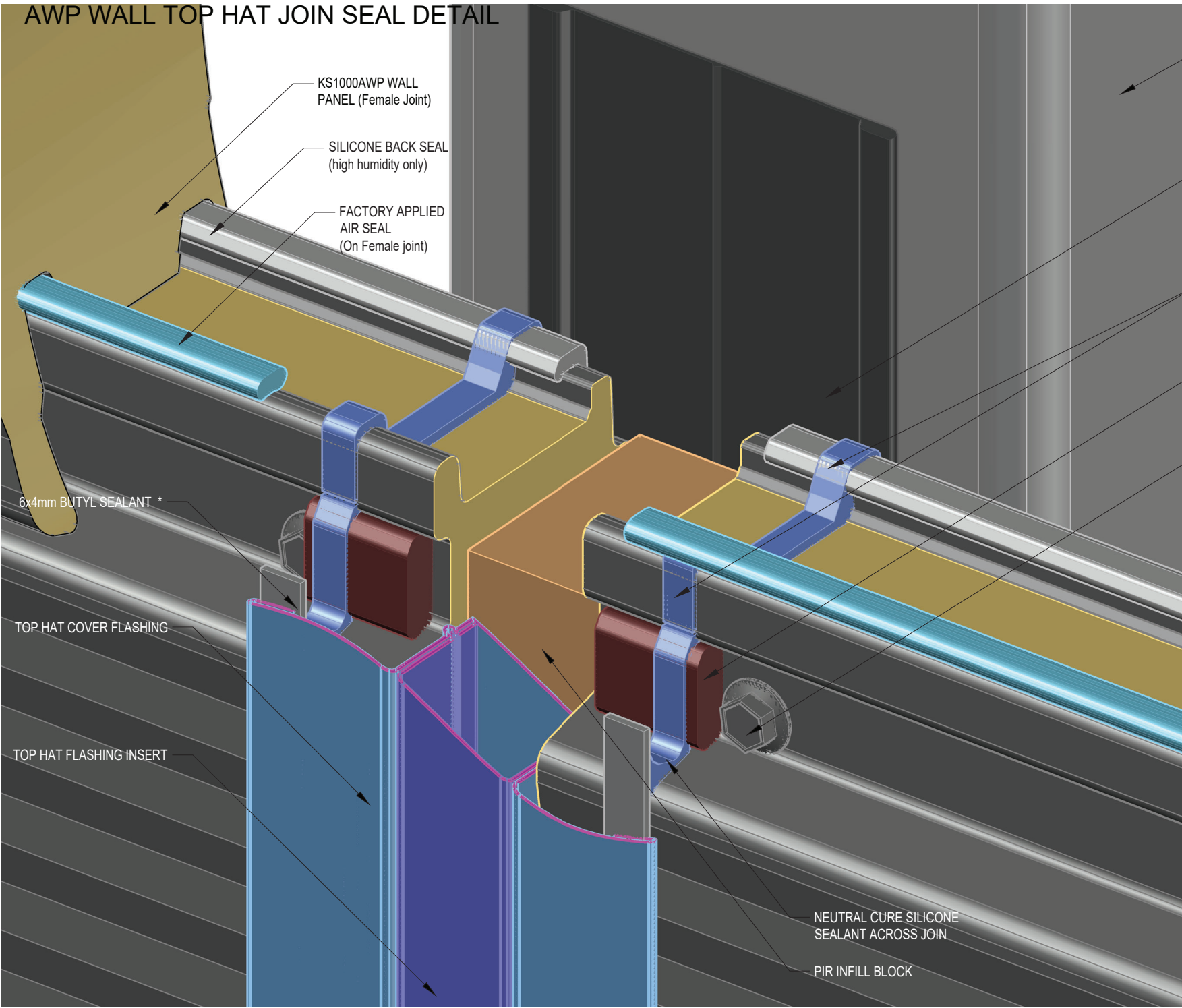
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# AWP WALL TOP HAT JOIN SEAL DETAIL



STRUCTURE (By Others)

BUBBLE GASKET (VJ2)

NEUTRAL CURE SILICONE SEALANT ACROSS JOIN

AWP FOAM FILLER (3Fill)

PANEL FIXINGS. NUMBER DEPENDENT ON SPAN & WIND LOAD.

SYSTEM  
KS1000AWP WALL HORIZONTAL\_STD Q1 2024

DESCRIPTION  
AWP WALL TOP HAT JOIN SEAL DETAIL

APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_11	SCALE 1:1	PAPER SIZE A4

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6x4mm BUTYL SEALANT \*

TOP HAT COVER FLASHING

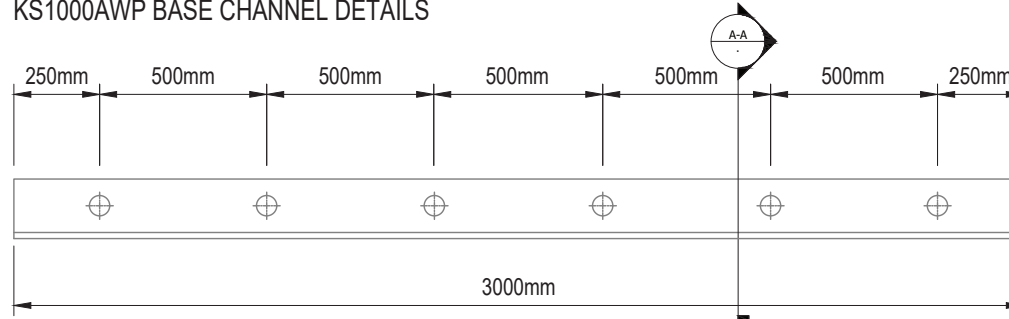
TOP HAT FLASHING INSERT

NEUTRAL CURE SILICONE SEALANT ACROSS JOIN

PIR INFILL BLOCK

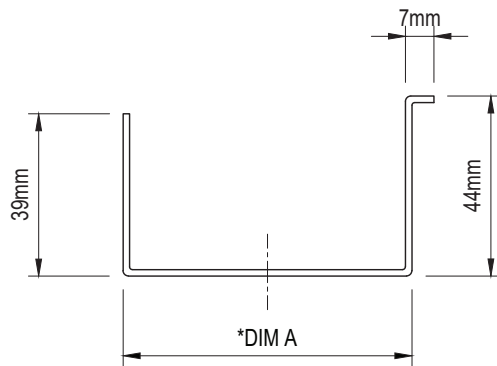
# AWP WALL BASE CHANNEL SUPPORT DETAIL

## KS1000AWP BASE CHANNEL DETAILS

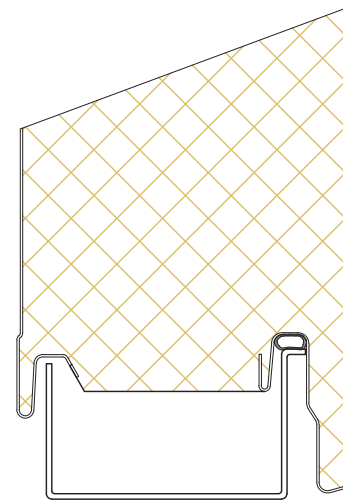


PLAN OF CHANNEL AND FIXING

POSITIONS



CROSS SECTION A-A



RELATION WITH PANEL

Available panel thicknesses	Dim "A"	Product code
50 AWP	21mm	BC 50
80 AWP	51mm	BC 80
100 AWP	71mm	BC 100
140 AWP	111mm	BC 140

**NOTE :** ABOVE DIMENSIONS ARE THEORETICAL, ACTUAL DIMENSIONS WILL VARY DUE TO MANUFACTURING TOLERANCES. ALL DIMENSIONS ABOVE ARE IN MILLIMETERS.

BASE CHANNEL FIXED AT MAX 500mm CENTRES AS SHOWN ABOVE. BASE CHANNEL TO BE CONTINUOUS AND SILICONE SEALED WHERE JOINTED.

**MATERIAL :** 1.6mm THICK GALVANIZED STEEL

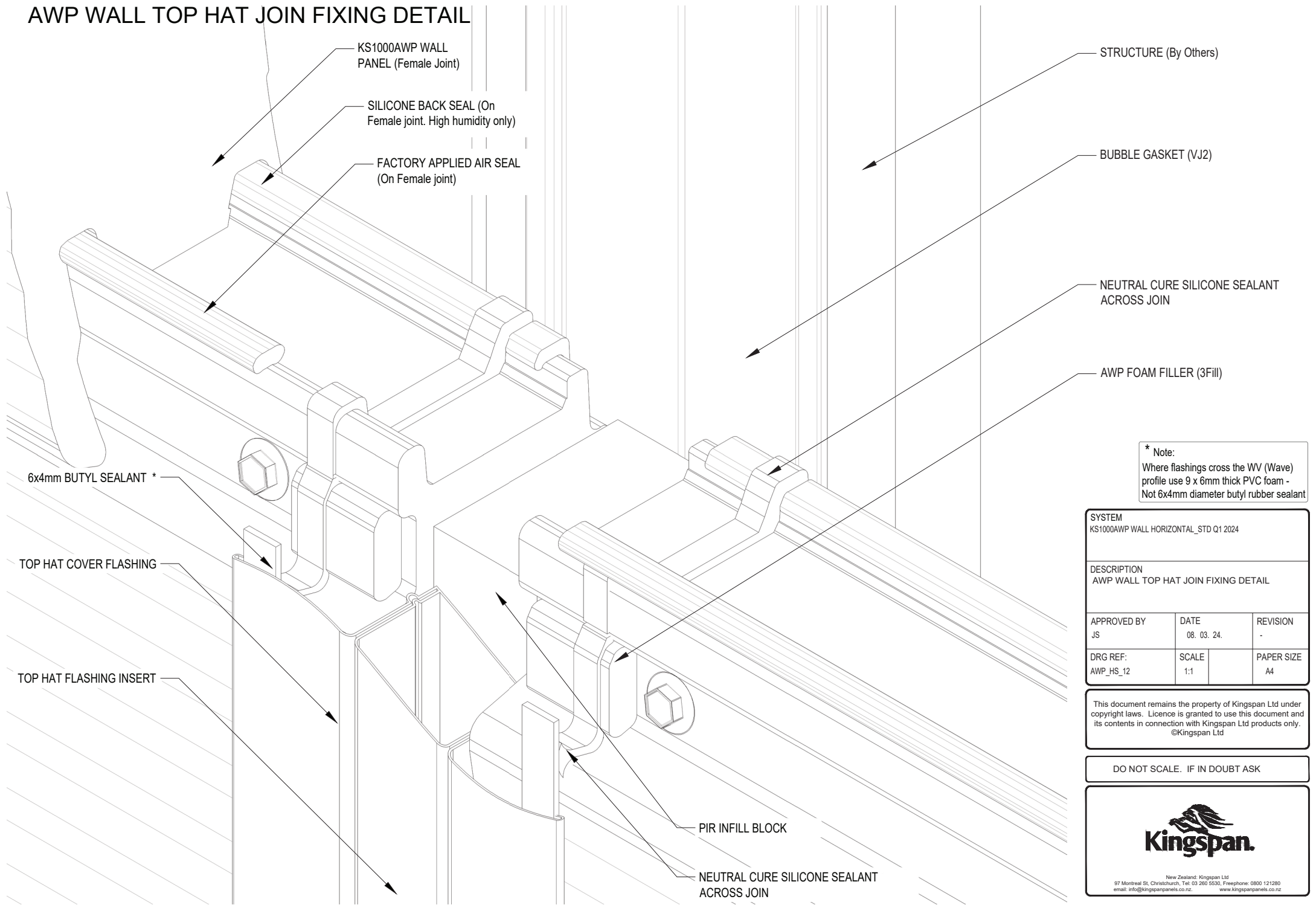
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL BASE CHANNEL SUPPORT DETAIL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_10	SCALE N.T.S	PAPER SIZE A4

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# AWP WALL TOP HAT JOIN FIXING DETAIL



\* Note:  
Where flashings cross the WV (Wave) profile use 9 x 6mm thick PVC foam - Not 6x4mm diameter butyl rubber sealant

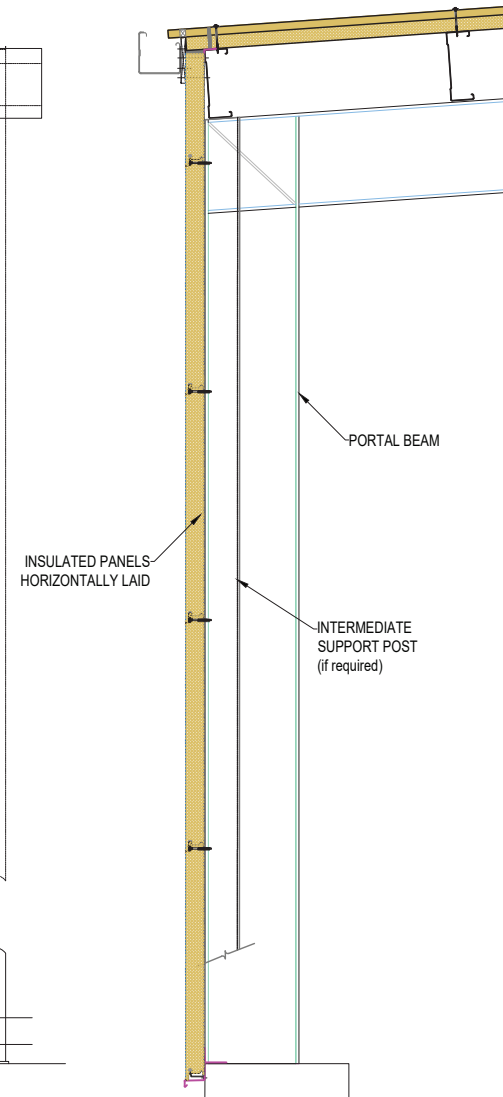
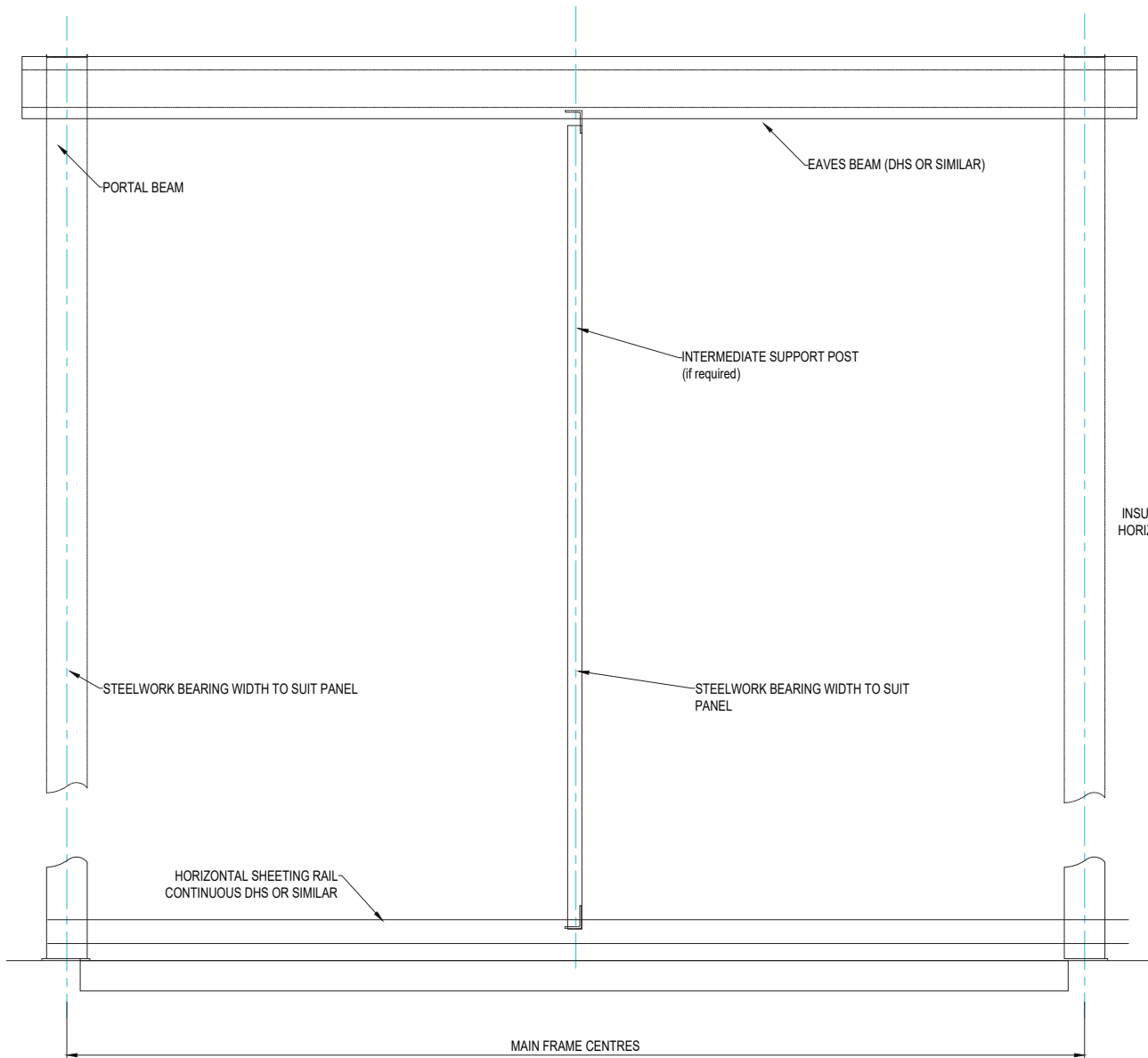
<b>SYSTEM</b> KS1000AWP WALL HORIZONTAL_STD Q1 2024		
<b>DESCRIPTION</b> AWP WALL TOP HAT JOIN FIXING DETAIL		
<b>APPROVED BY</b> JS	<b>DATE</b> 08. 03. 24.	<b>REVISION</b> -
<b>DRG REF:</b> AWP_HS_12	<b>SCALE</b> 1:1	<b>PAPER SIZE</b> A4

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# AWP WALL HORIZONTAL SHEETING SUPPORTS



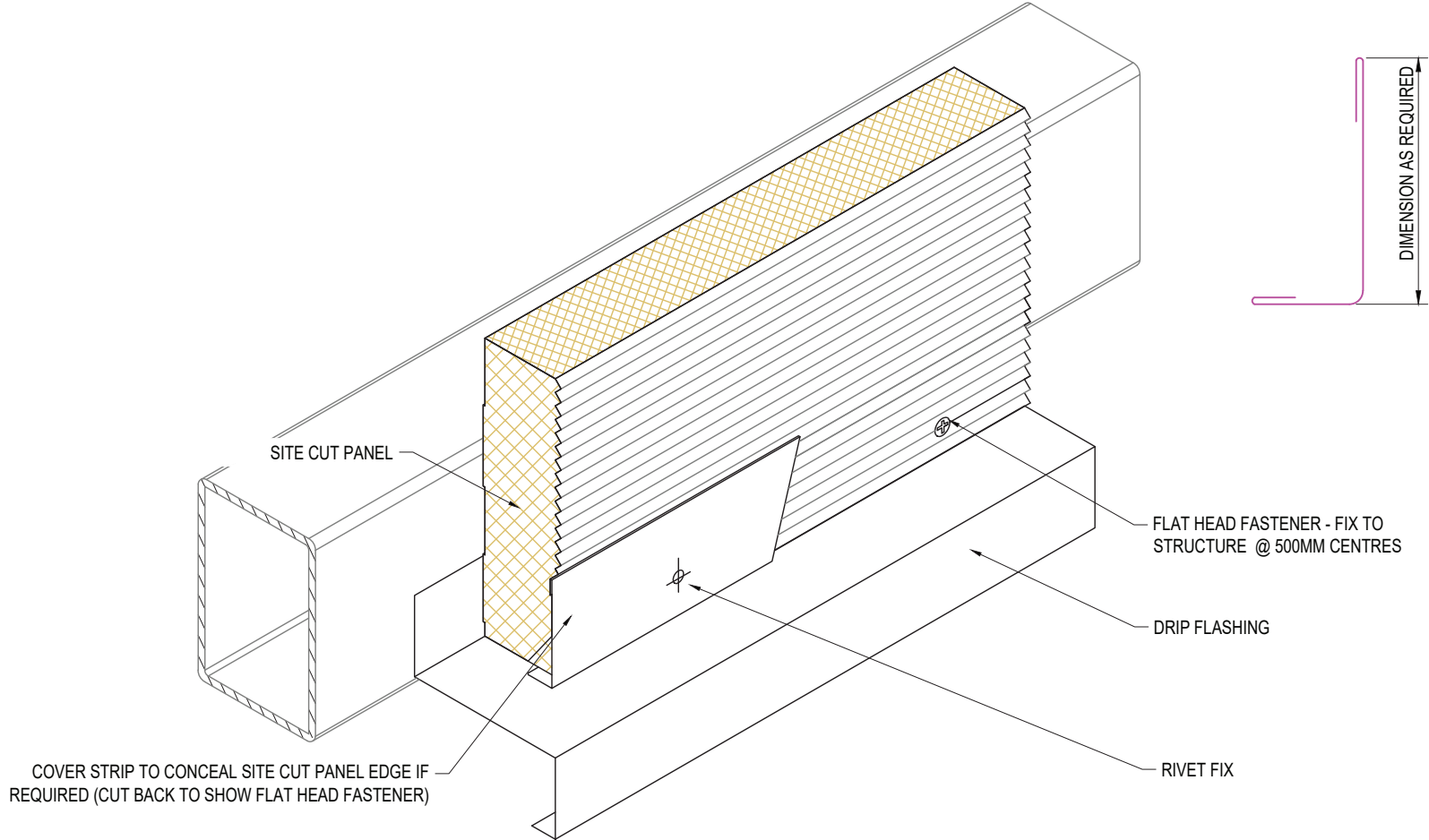
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL HORIZONTAL SHEETING SUPPORTS		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_13	SCALE NTS	PAPER SIZE A4

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# SITE CUT PANEL DETAIL



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION SITE CUT PANEL DETAIL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_14	SCALE NTS	PAPER SIZE A4

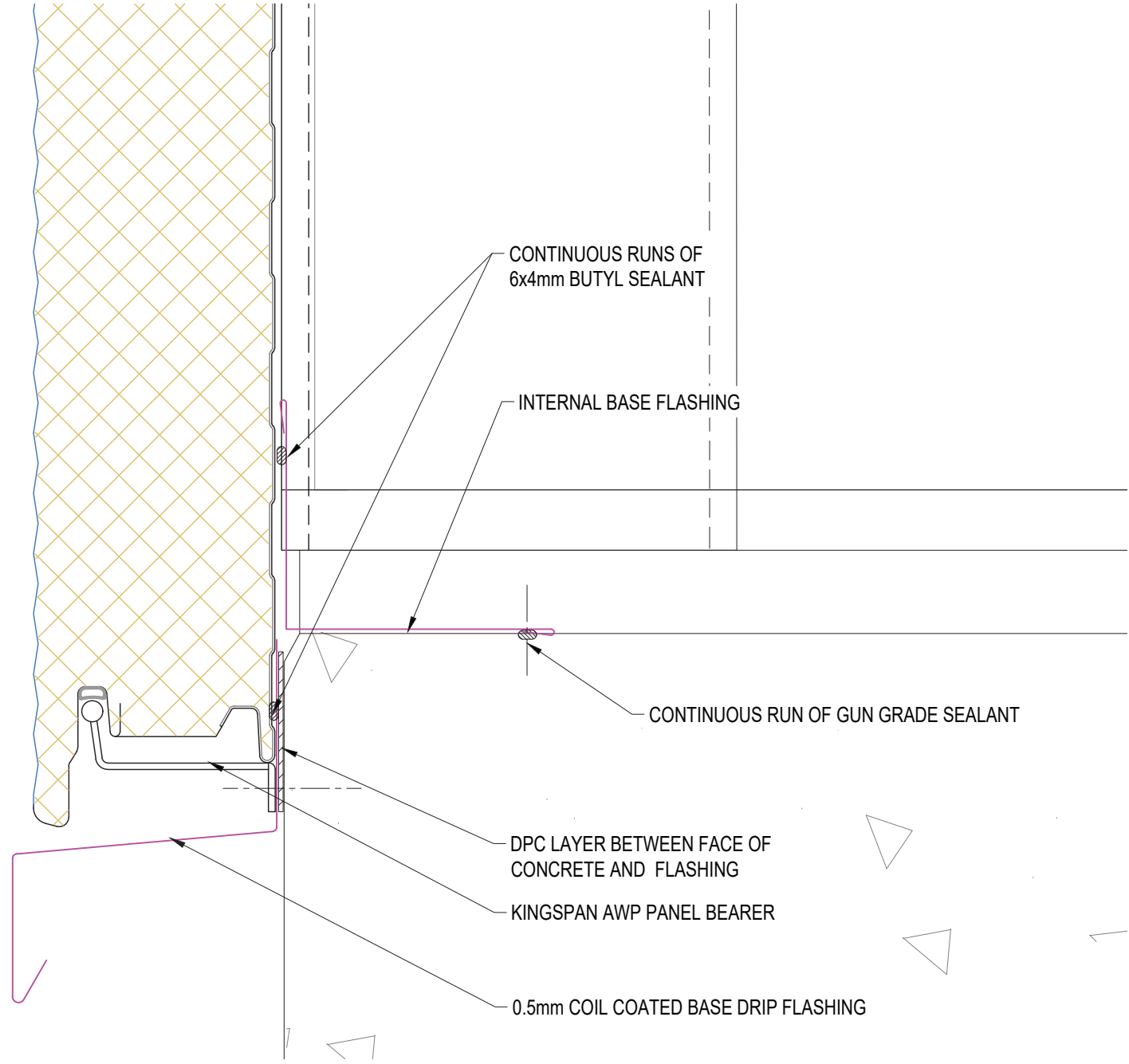
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# AWP WALL BASE (PANEL BEARER)



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL BASE (PANEL BEARER)		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_15	SCALE 1:2	PAPER SIZE A4

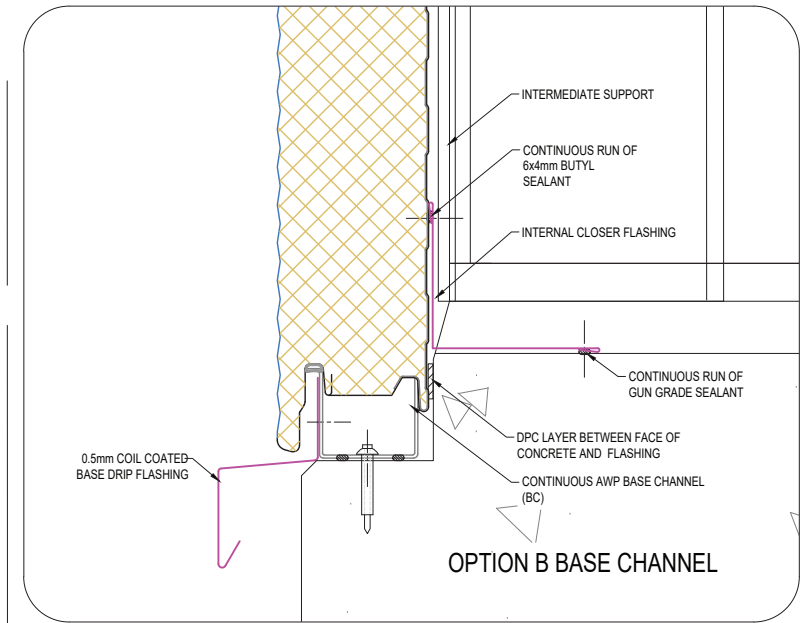
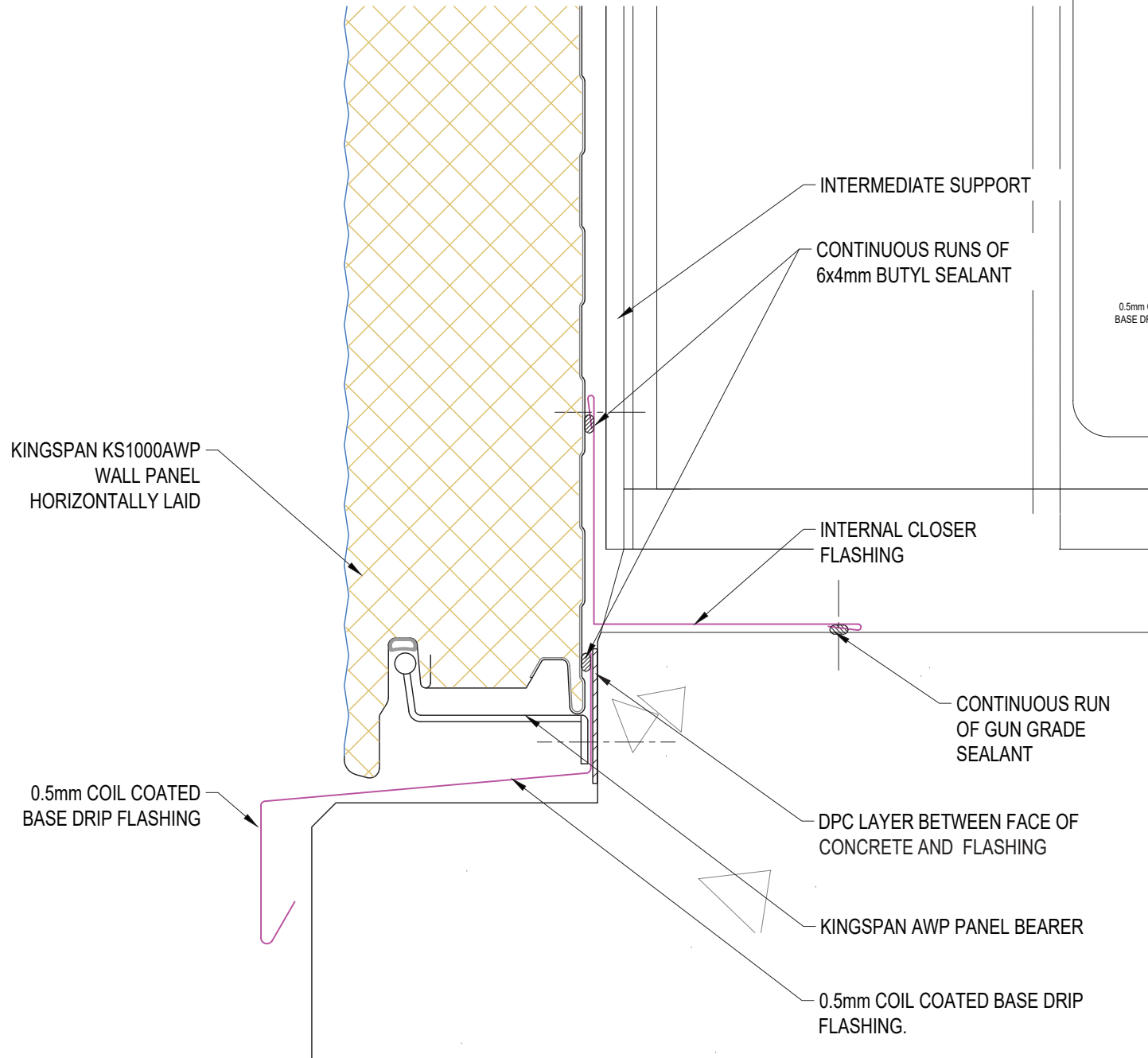
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# AWP WALL BASE STEP



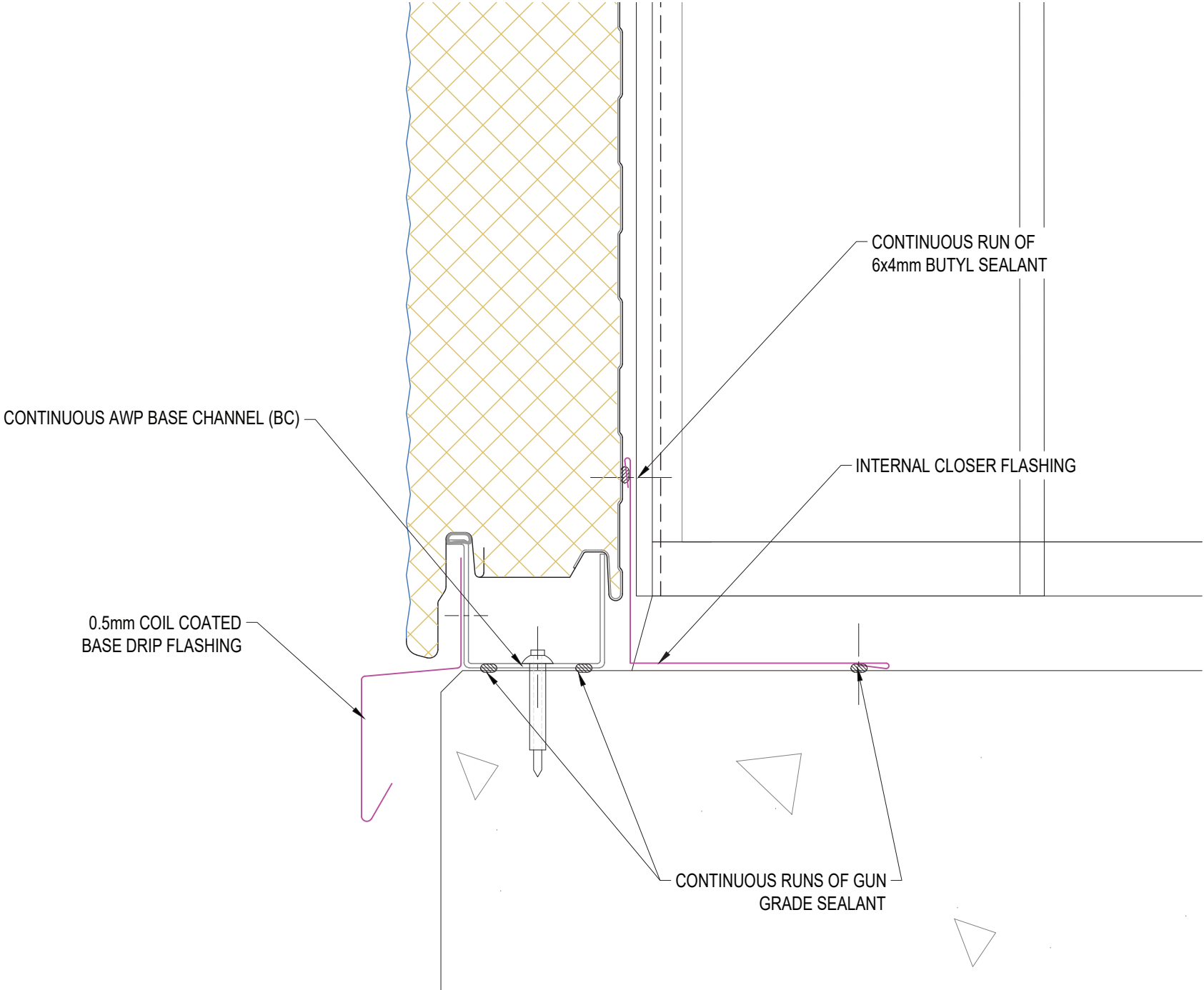
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL BASE STEP		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_16	SCALE 1:2	PAPER SIZE A4

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# AWP WALL BASE CHANNEL DETAIL



CONTINUOUS AWP BASE CHANNEL (BC)

CONTINUOUS RUN OF 6x4mm BUTYL SEALANT

INTERNAL CLOSER FLASHING

0.5mm COIL COATED BASE DRIP FLASHING

CONTINUOUS RUNS OF GUN GRADE SEALANT

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL BASE CHANNEL DETAIL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_17	SCALE 1:2	PAPER SIZE A4

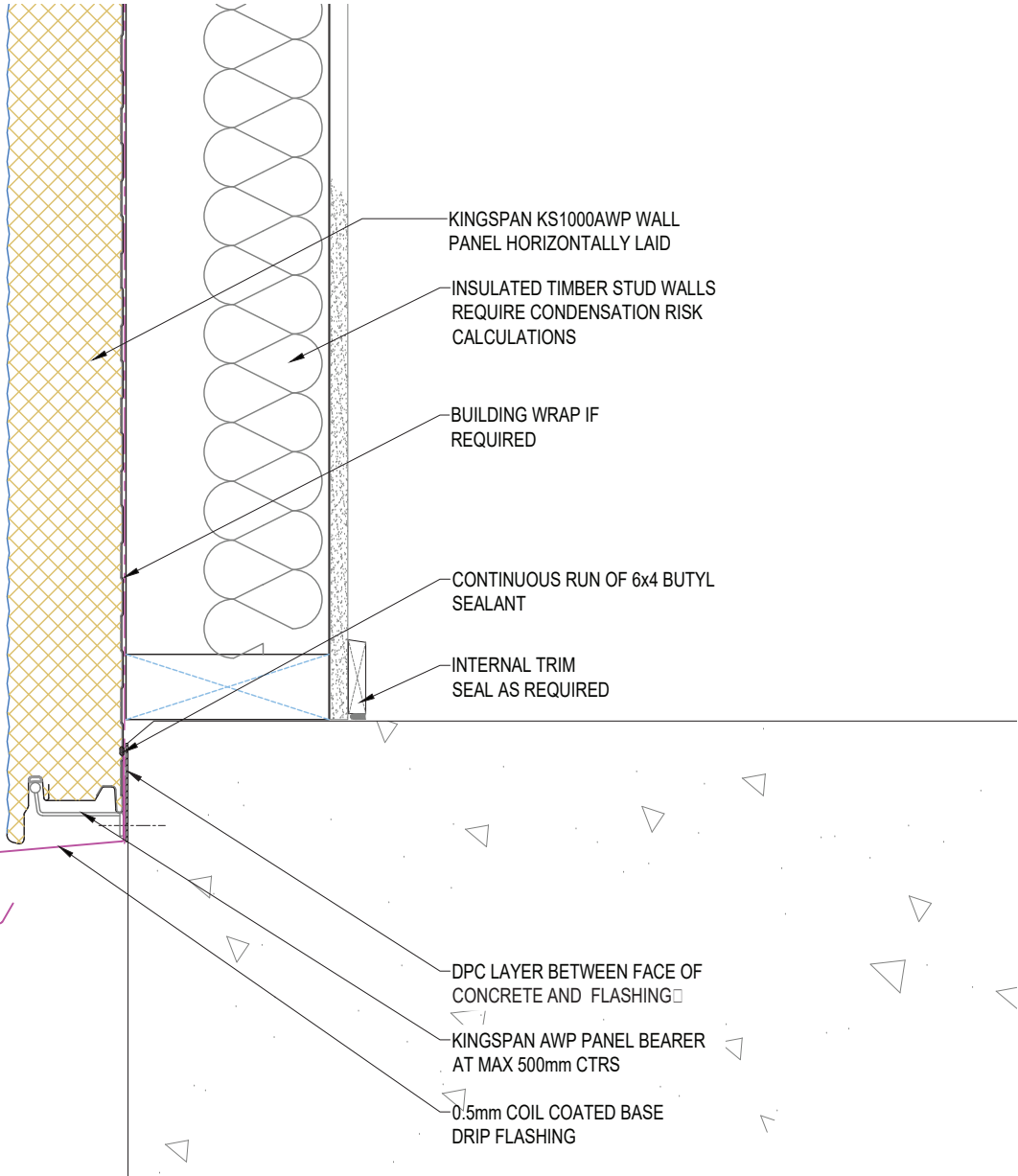
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# BASE DETAIL - CAVITY DIRECT FIXED TO TIMBER



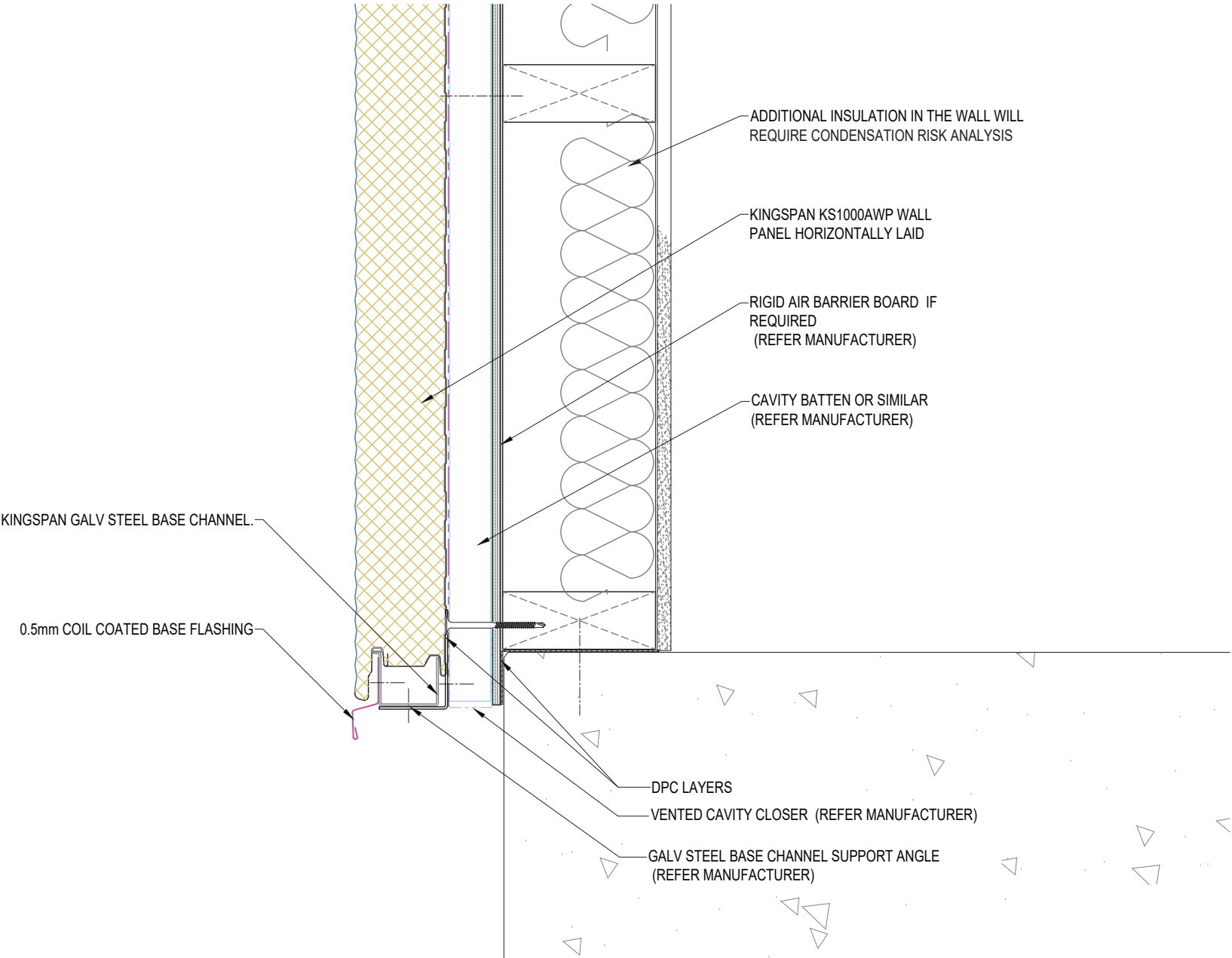
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION BASE DETAIL - CAVITY DIRECT FIXED TO TIMBER		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
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# BASE DETAIL - CAVITY WALL ON RAB BOARD



ADDITIONAL INSULATION IN THE WALL WILL REQUIRE CONDENSATION RISK ANALYSIS

KINGSPAN KS1000AWP WALL PANEL HORIZONTALLY LAID

RIGID AIR BARRIER BOARD IF REQUIRED (REFER MANUFACTURER)

CAVITY BATTEN OR SIMILAR (REFER MANUFACTURER)

KINGSPAN GALV STEEL BASE CHANNEL

0.5mm COIL COATED BASE FLASHING

DPC LAYERS

VENTED CAVITY CLOSER (REFER MANUFACTURER)

GALV STEEL BASE CHANNEL SUPPORT ANGLE (REFER MANUFACTURER)

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION BASE DETAIL - CAVITY WALL ON RAB BOARD		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_19	SCALE 1:5	PAPER SIZE A4

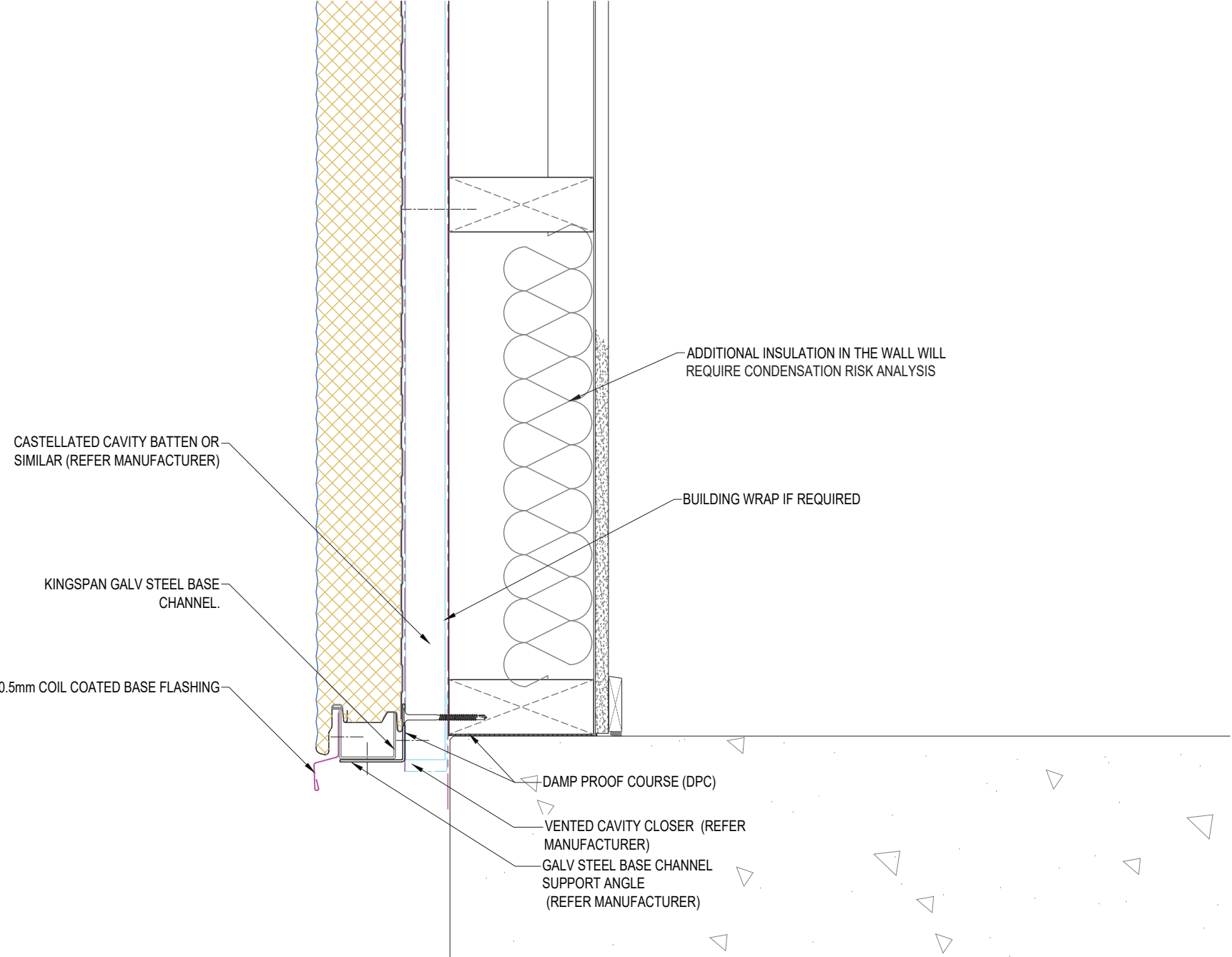
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# BASE DETAIL - CAVITY WALL ON BUILDING WRAP



CASTELLATED CAVITY BATTEN OR SIMILAR (REFER MANUFACTURER)

KINGSPAN GALV STEEL BASE CHANNEL.

0.5mm COIL COATED BASE FLASHING

ADDITIONAL INSULATION IN THE WALL WILL REQUIRE CONDENSATION RISK ANALYSIS

BUILDING WRAP IF REQUIRED

DAMP PROOF COURSE (DPC)

VENTED CAVITY CLOSER (REFER MANUFACTURER)

GALV STEEL BASE CHANNEL SUPPORT ANGLE (REFER MANUFACTURER)

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION BASE DETAIL - CAVITY WALL ON BUILDING WRAP		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
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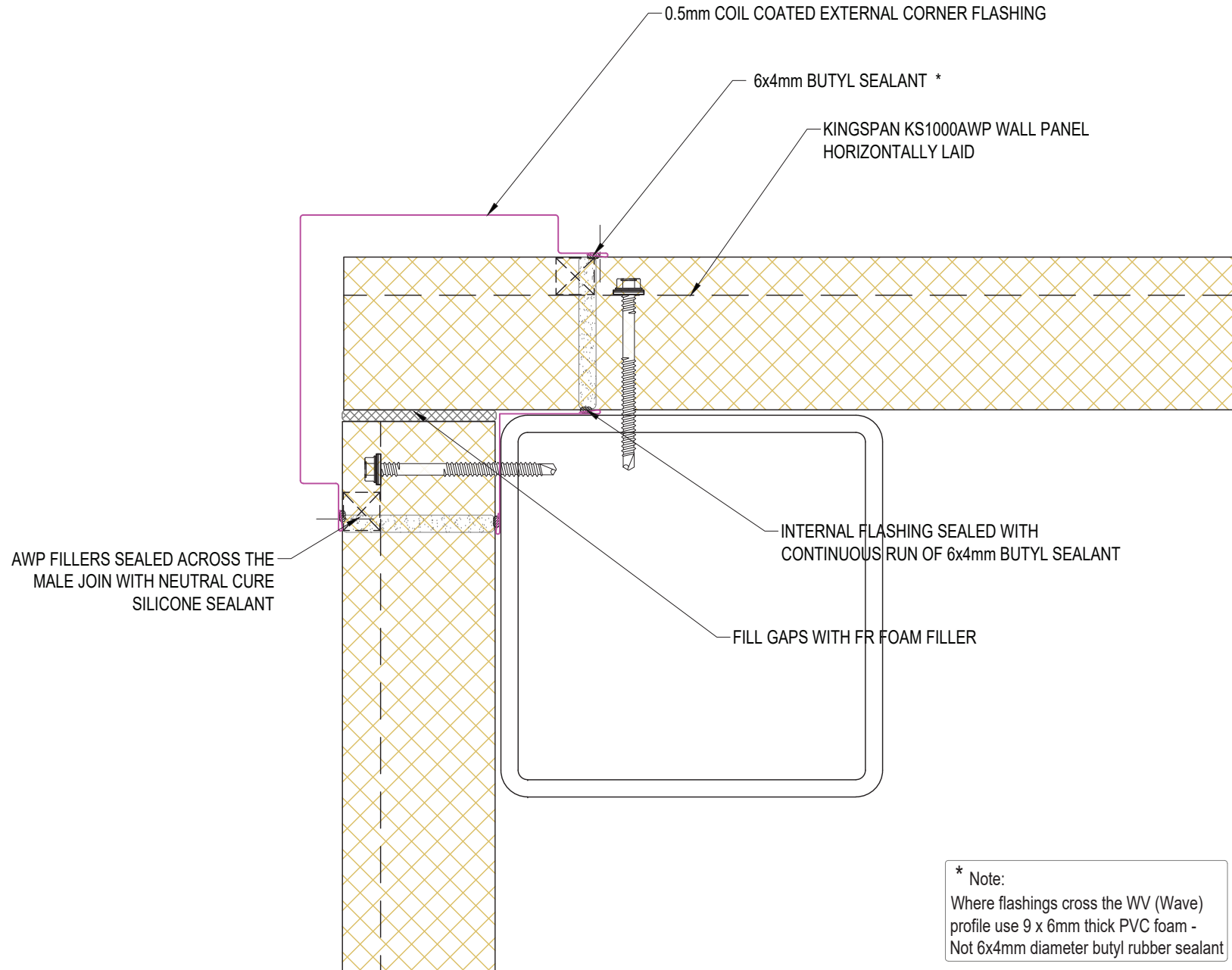
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# AWP WALL - EXTERNAL CORNER



\* Note:  
Where flashings cross the WV (Wave) profile use 9 x 6mm thick PVC foam - Not 6x4mm diameter butyl rubber sealant

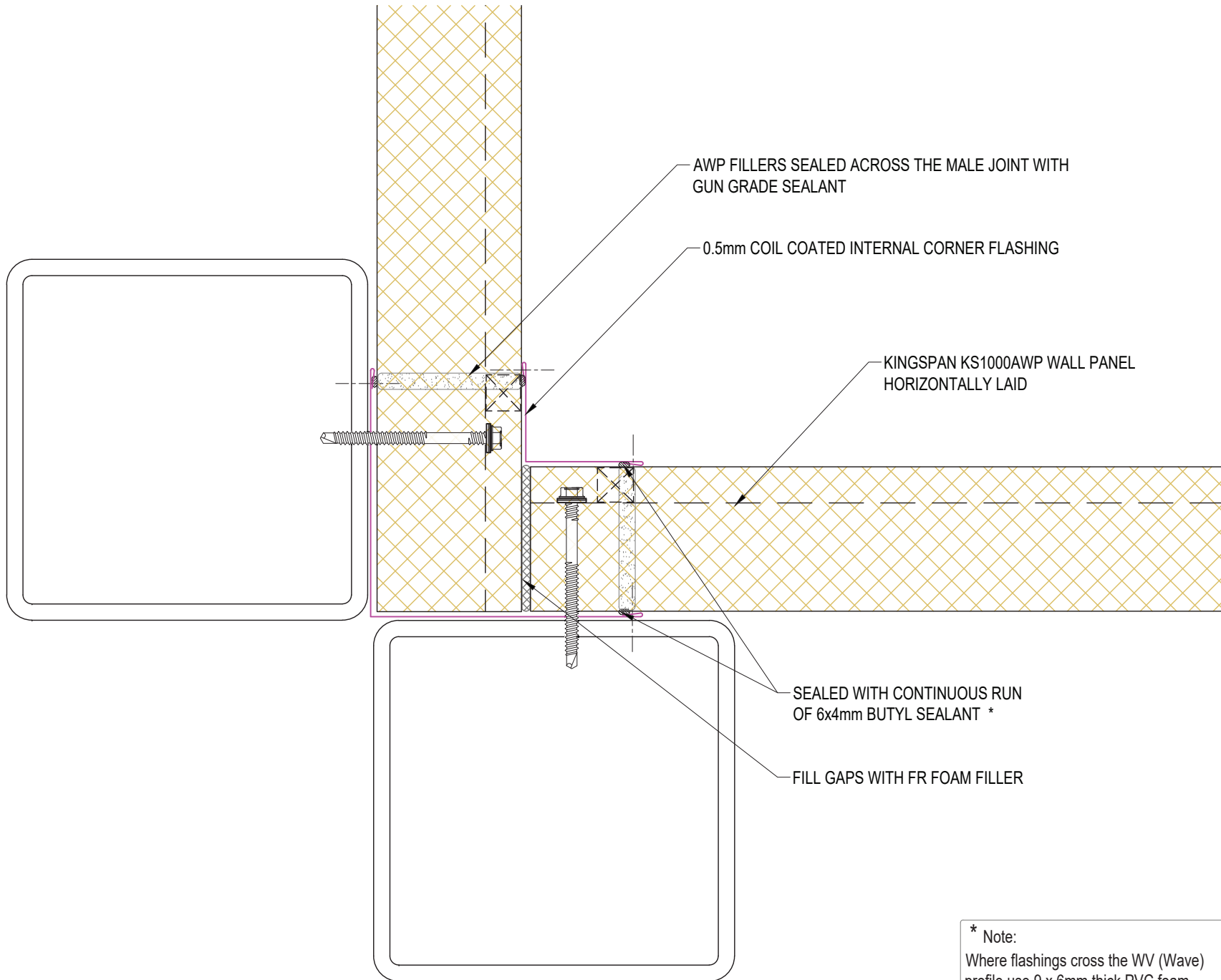
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL - EXTERNAL CORNER		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_21	SCALE 1:3	PAPER SIZE A4

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# AWP WALL - INTERNAL CORNER



AWP FILLERS SEALED ACROSS THE MALE JOINT WITH GUN GRADE SEALANT

0.5mm COIL COATED INTERNAL CORNER FLASHING

KINGSPAN KS1000AWP WALL PANEL HORIZONTALLY LAID

SEALED WITH CONTINUOUS RUN OF 6x4mm BUTYL SEALANT \*

FILL GAPS WITH FR FOAM FILLER

\* Note:  
Where flashings cross the WV (Wave) profile use 9 x 6mm thick PVC foam - Not 6x4mm diameter butyl rubber sealant

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL - INTERNAL CORNER		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_22	SCALE 1:3	PAPER SIZE A4

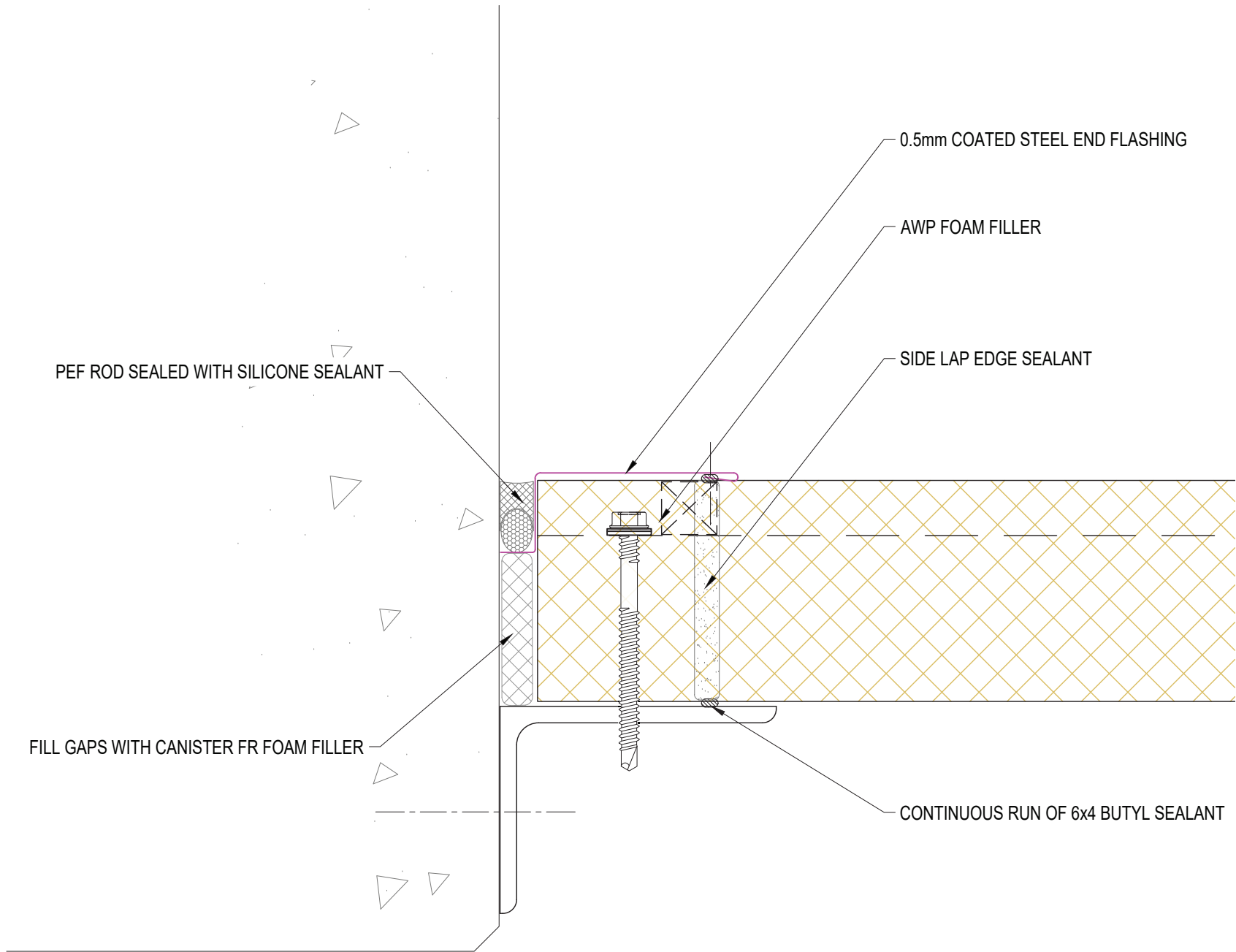
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# AWP WALL FACE ABUTTING CONCRETE SLAB



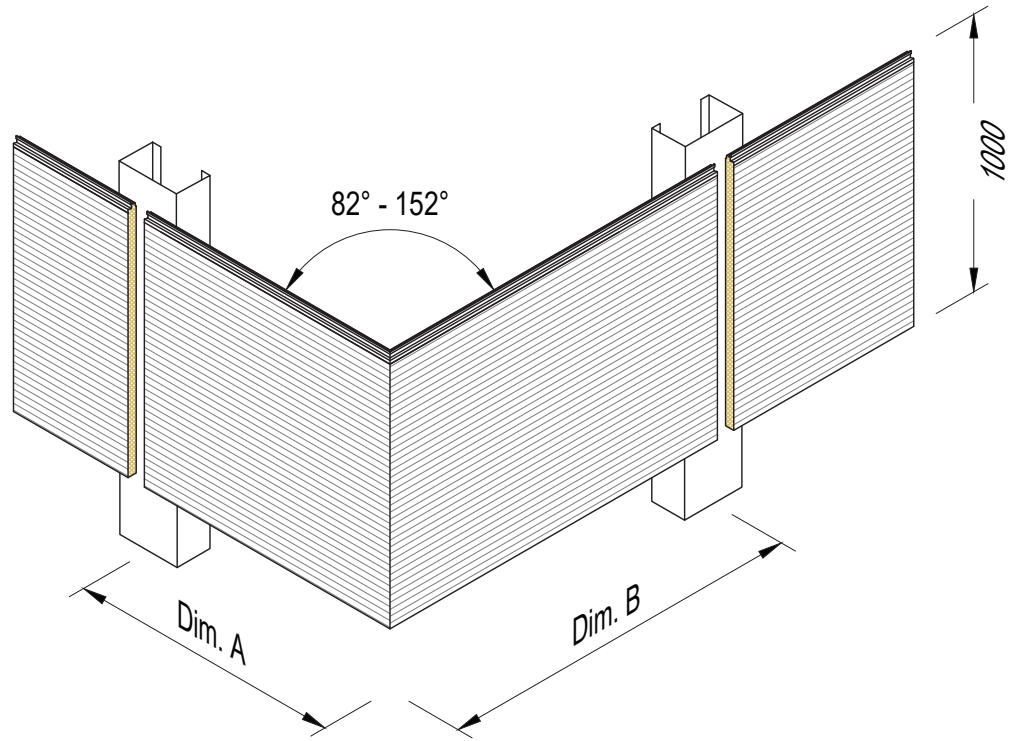
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL FACE ABUTTING CONCRETE SLAB		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_23	SCALE 1:2	PAPER SIZE A4
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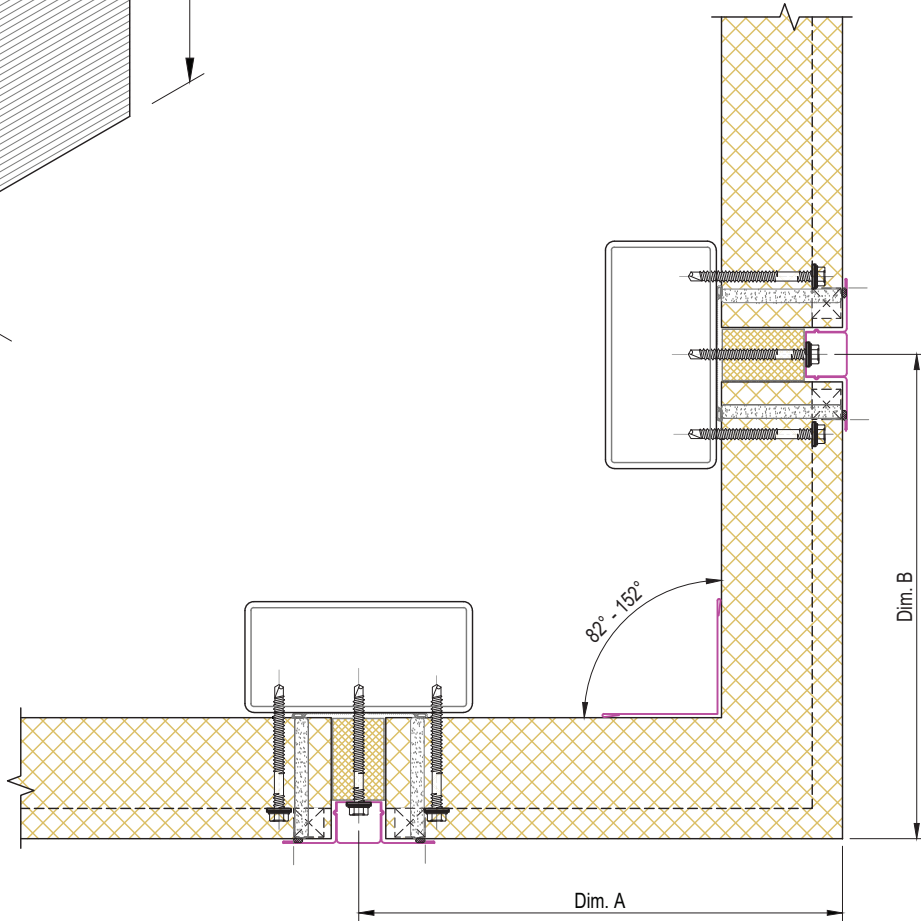


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# EXTERNAL SINGLE CRANK PRE-FORMED CORNER



REFER TO KINGSPAN FOR  
MAXIMUM PRACTICAL SIZES



Available for panel thickness	
50 AWP	YES
80 AWP	YES
100 AWP	YES
140 AWP	NO

	MINIMUM	MAXIMUM
DIMENSION A	300mm	1200mm
DIMENSION B	300mm	1200mm

**SINGLE CRANKED CORNER**  
 ALL ABOVE DIMENSIONS ARE TO THE EXTERNAL FACE OF THE PANEL.  
 INTERNAL ANGLES = 82 DEG. TO 152 DEG.  
 MAXIMUM LENGTH OF TOTAL CRANK MUST NOT EXCEED 2400MM. MAX UNSUPPORTED CANTILEVER IS 1000MM.

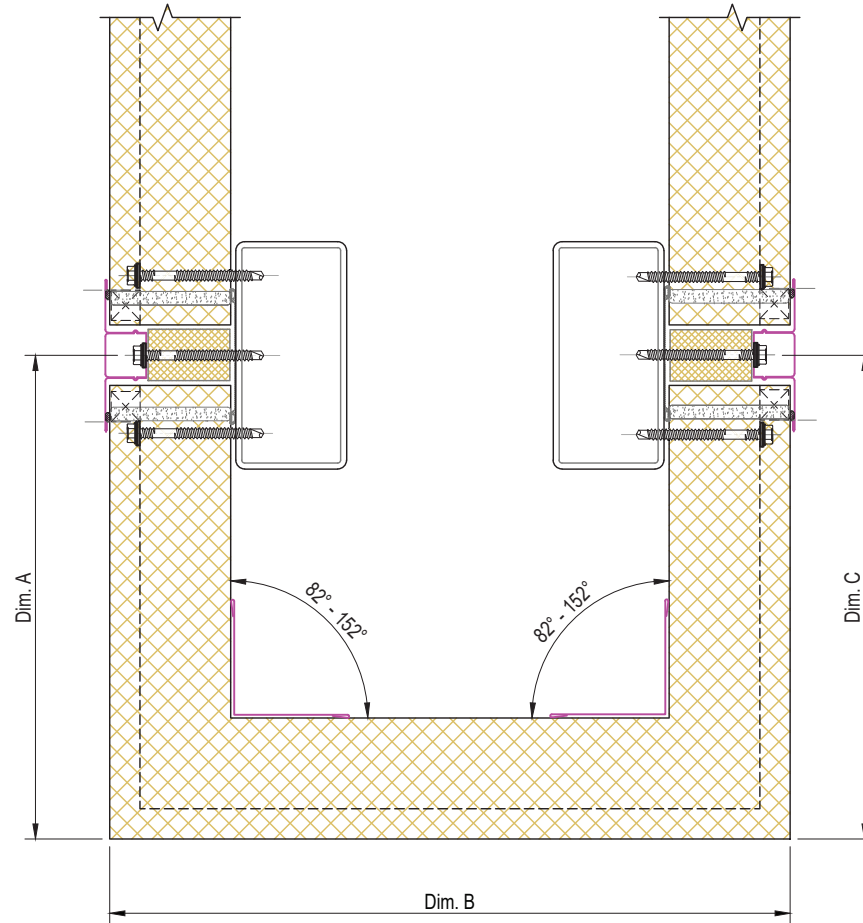
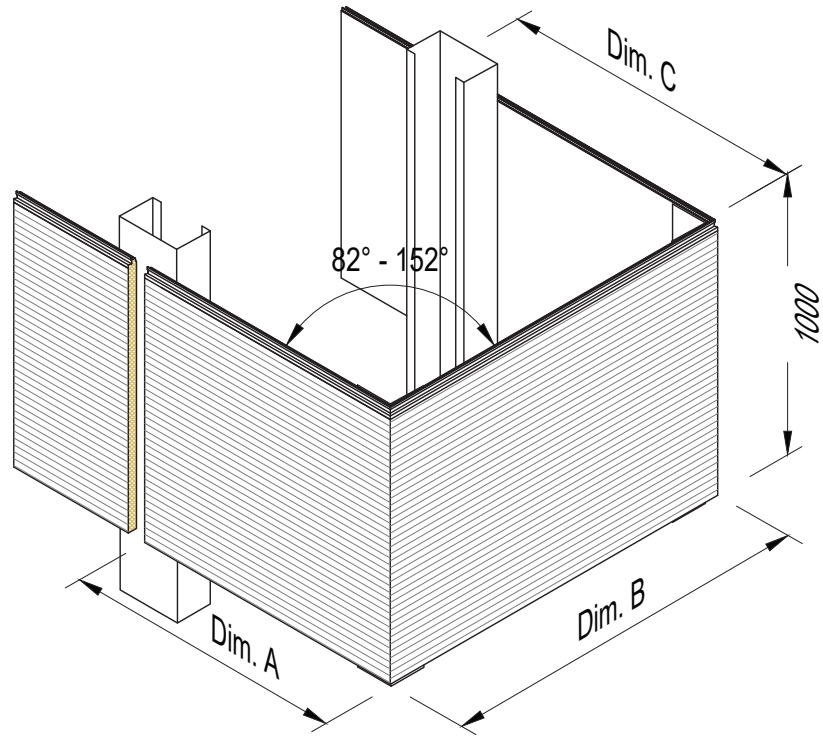
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION EXTERNAL SINGLE CRANK PRE-FORMED CORNER		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF. AWP_HS_24	SCALE 1:5	PAPER SIZE A4

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# EXTERNAL DOUBLE CRANK PRE-FORMED CORNER



	MINIMUM	MAXIMUM
DIMENSION A	300mm	1200mm
DIMENSION B	300mm	1200mm
DIMENSION C	300mm	1200mm

## DOUBLE CRANKED CORNER

ALL DIMENSIONS ARE TO THE EXTERNAL FACE OF THE PANEL.  
REFER KINGSPAN TECHNICAL FOR MAX DIMENSIONS.  
INTERNAL ANGLES = 82 deg. to 152 deg.

Available for panel thickness	
50 AWP	YES
80 AWP	YES
100 AWP	YES
140 AWP	NO

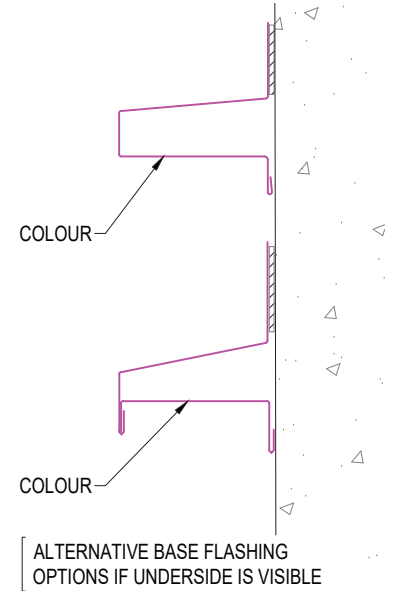
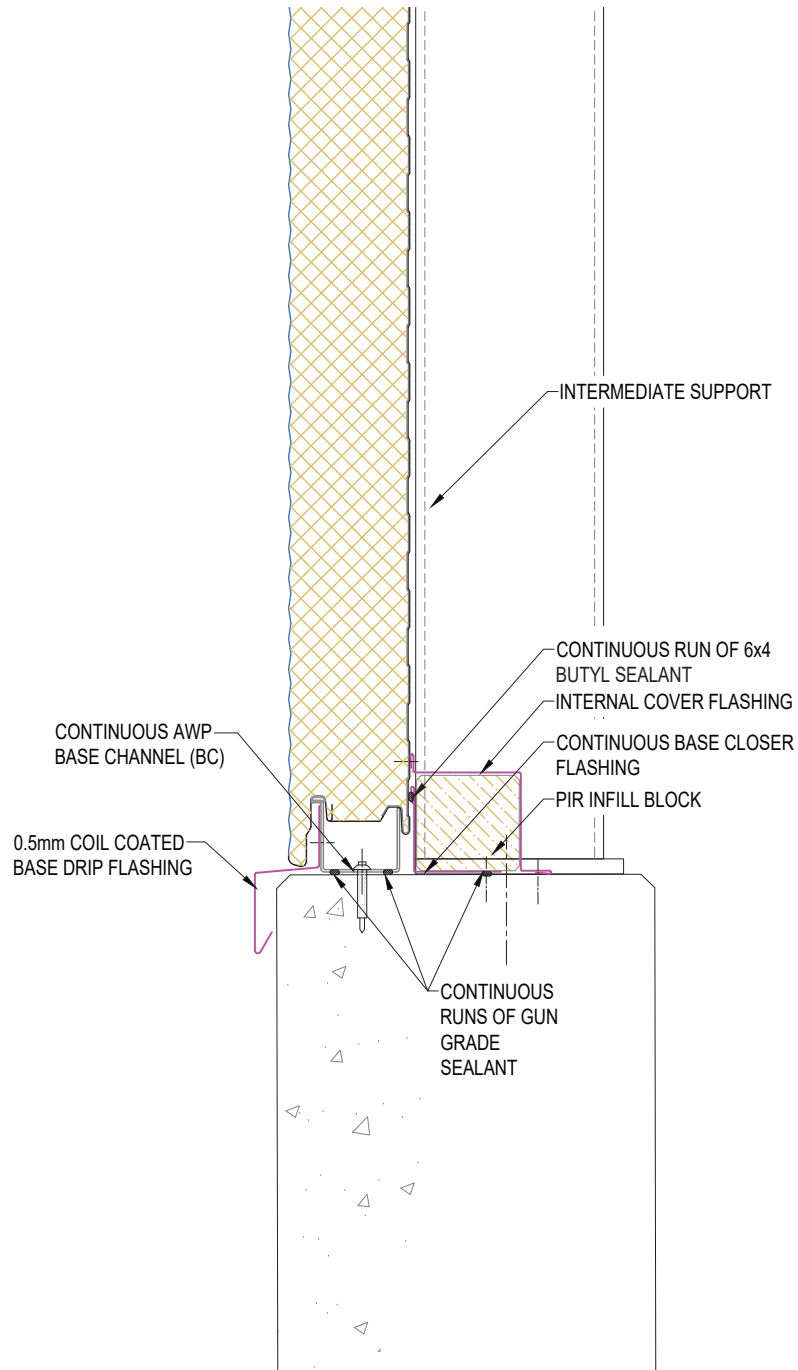
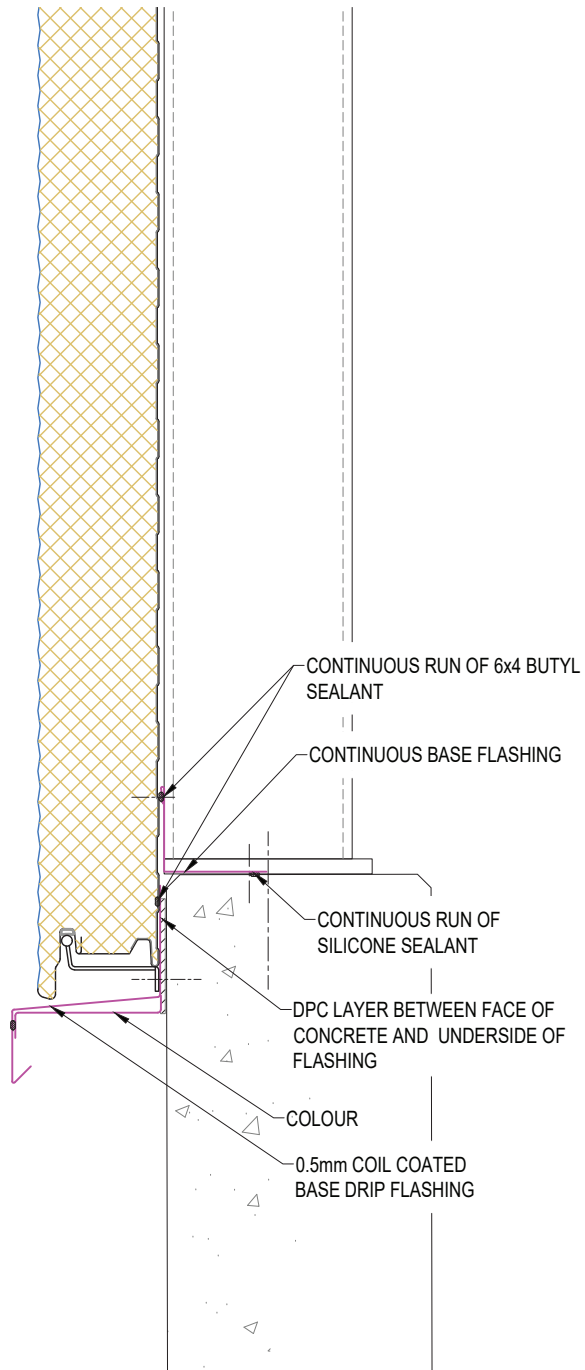
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION EXTERNAL DOUBLE CRANK PRE-FORMED CORNER		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
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# AWP BASE DETAIL ON PRE-CAST WALL



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP BASE DETAIL ON PRE-CAST WALL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_26	SCALE 1:5	PAPER SIZE A4

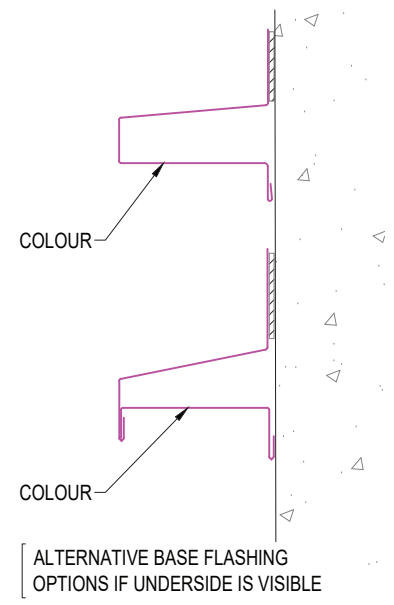
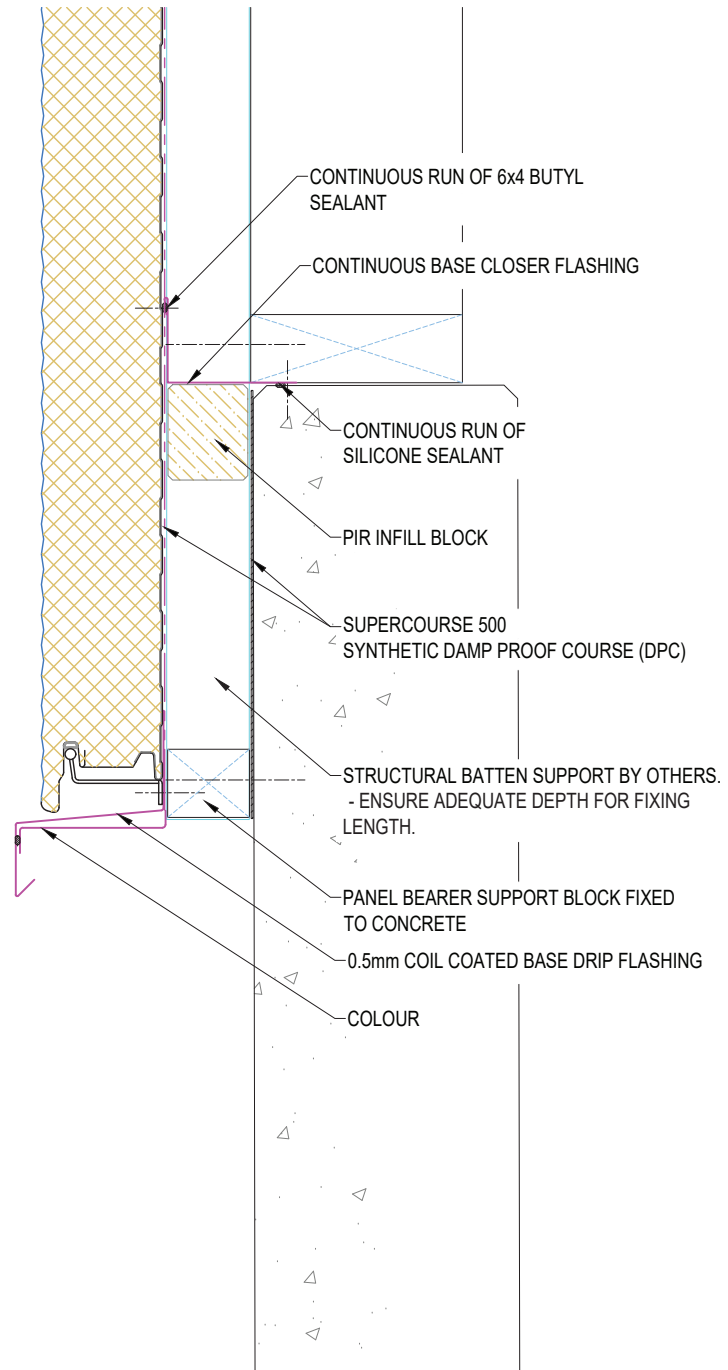
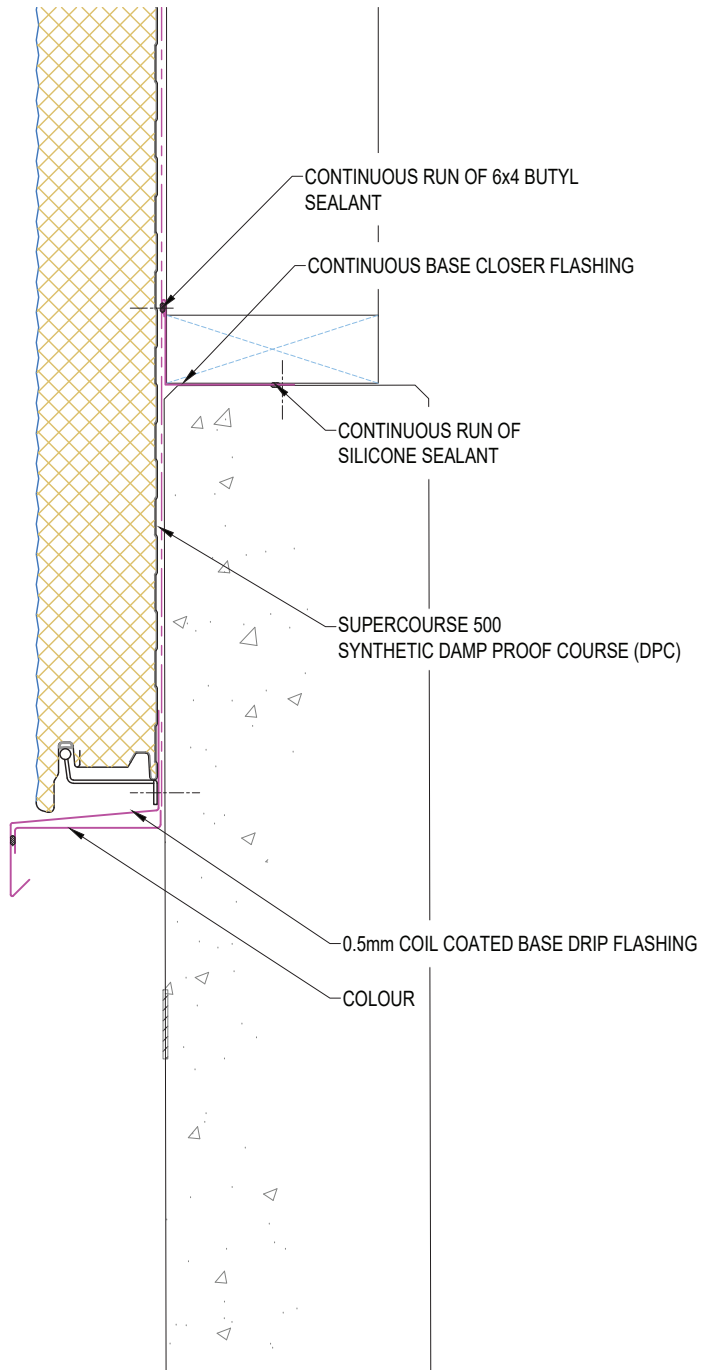
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# AWP BASE DETAIL ON PRE-CAST WALL



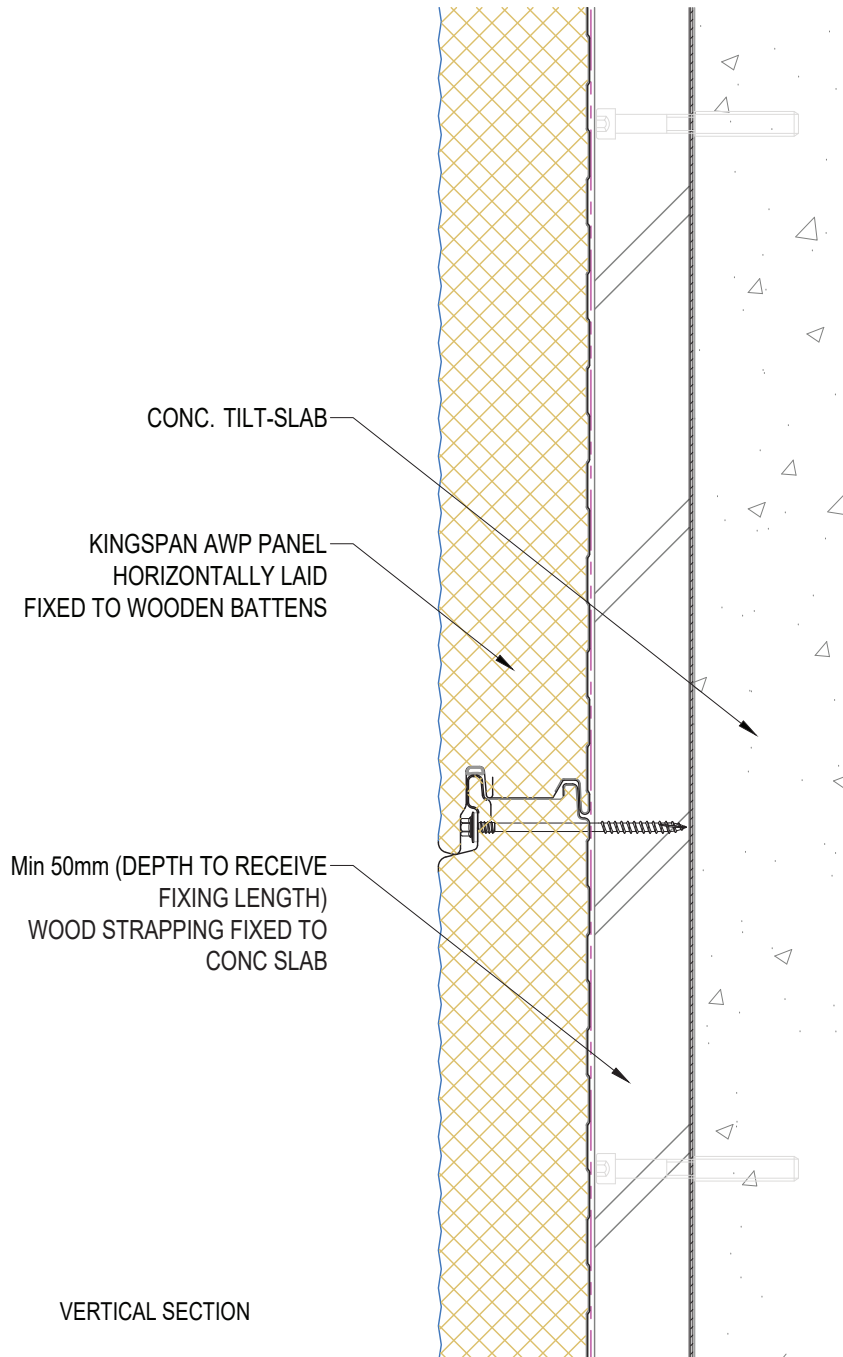
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP BASE DETAIL ON PRE-CAST WALL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_27	SCALE 1:2	PAPER SIZE A4

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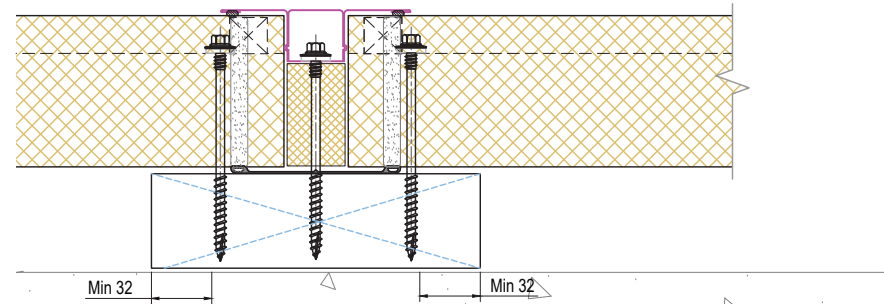
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email: info@kingspanpanels.co.nz, www.kingspanpanels.co.nz

# PANEL FIXED TO CONCRETE SLAB

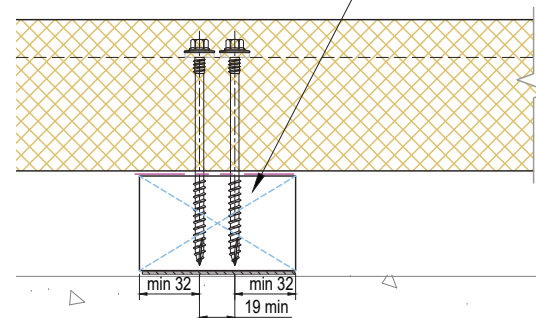


PLAN\_1

RECOMMENDED FASTENER LOCATIONS (SINGLE FASTENERS)



MIN TIMBER THICKNESS, 50mm  
ENSURE ADEQUATE TIMBER THICKNESS FOR SPECIFIED FIXING LENGTH (REFER FIXING SUPPLIER)



PLAN\_2

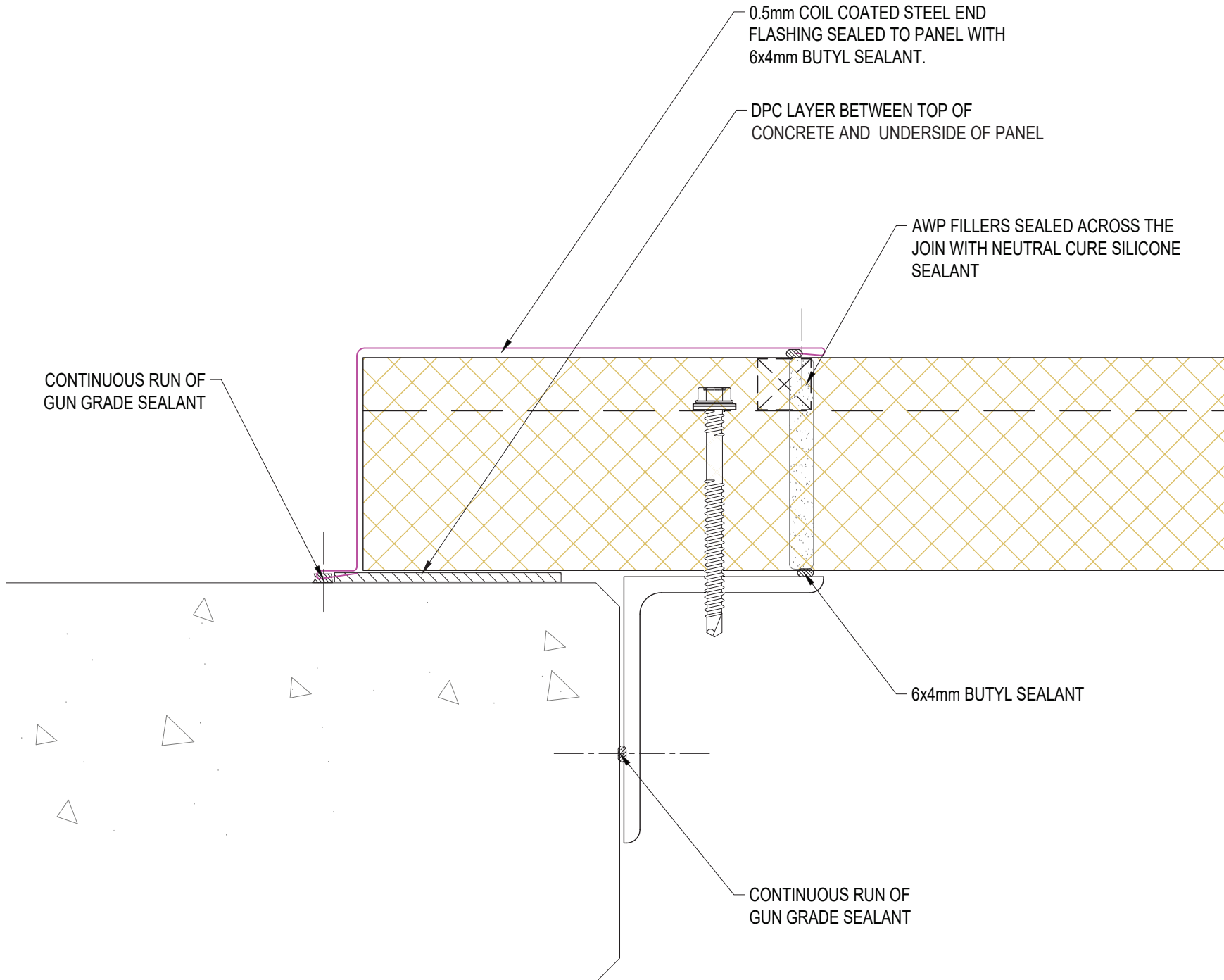
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION PANEL FIXED TO CONCRETE SLAB		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
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# AWP WALL FACE FIXED OVER CONCRETE



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL FACE FIXED OVER CONCRETE		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_29	SCALE 1:2	PAPER SIZE A4

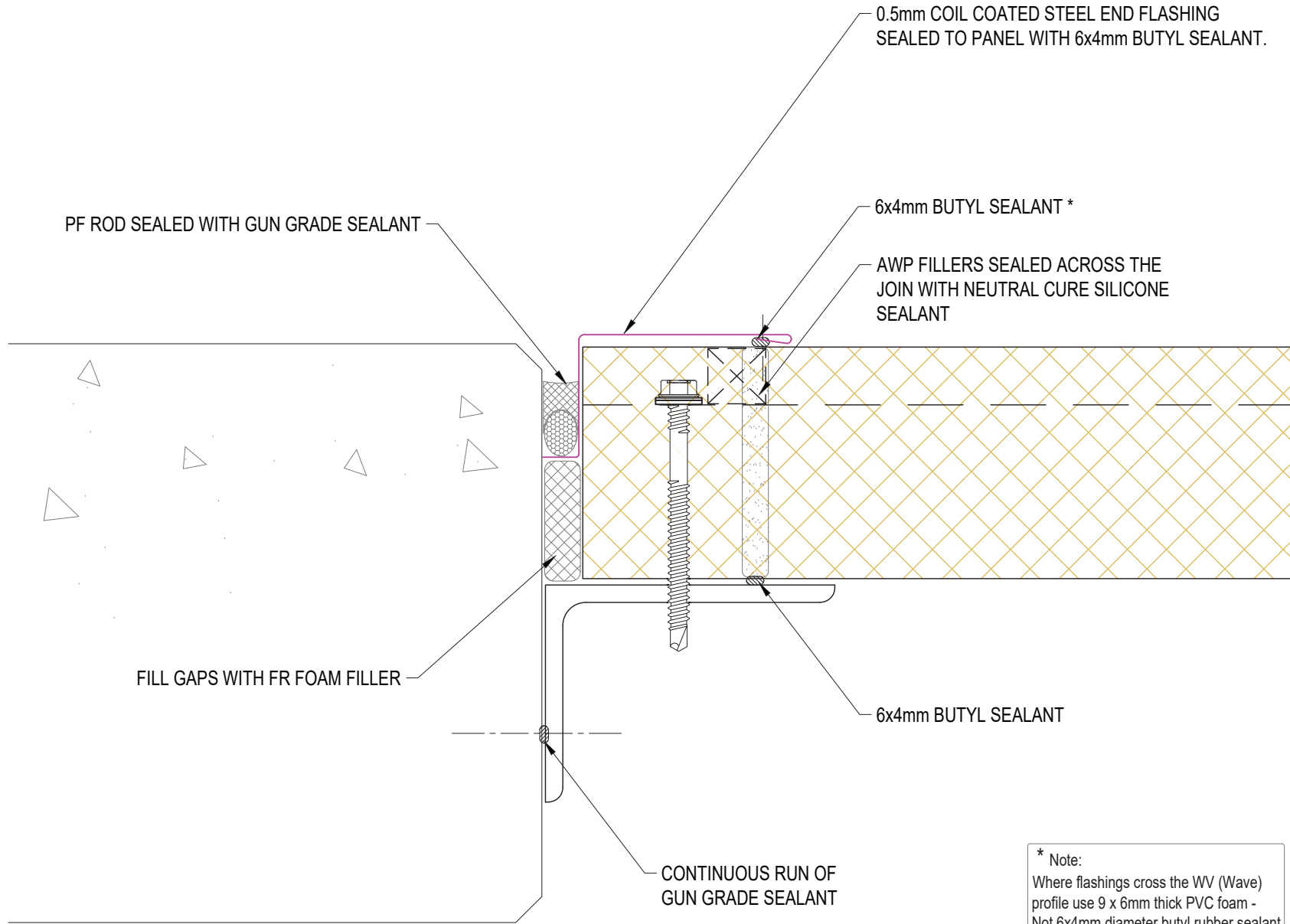
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# AWP WALL FACE ALIGNED WITH CONCRETE



\* Note:  
Where flashings cross the WV (Wave) profile use 9 x 6mm thick PVC foam - Not 6x4mm diameter butyl rubber sealant

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL FACE ALIGNED WITH CONCRETE		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_30	SCALE 1:2	PAPER SIZE A4

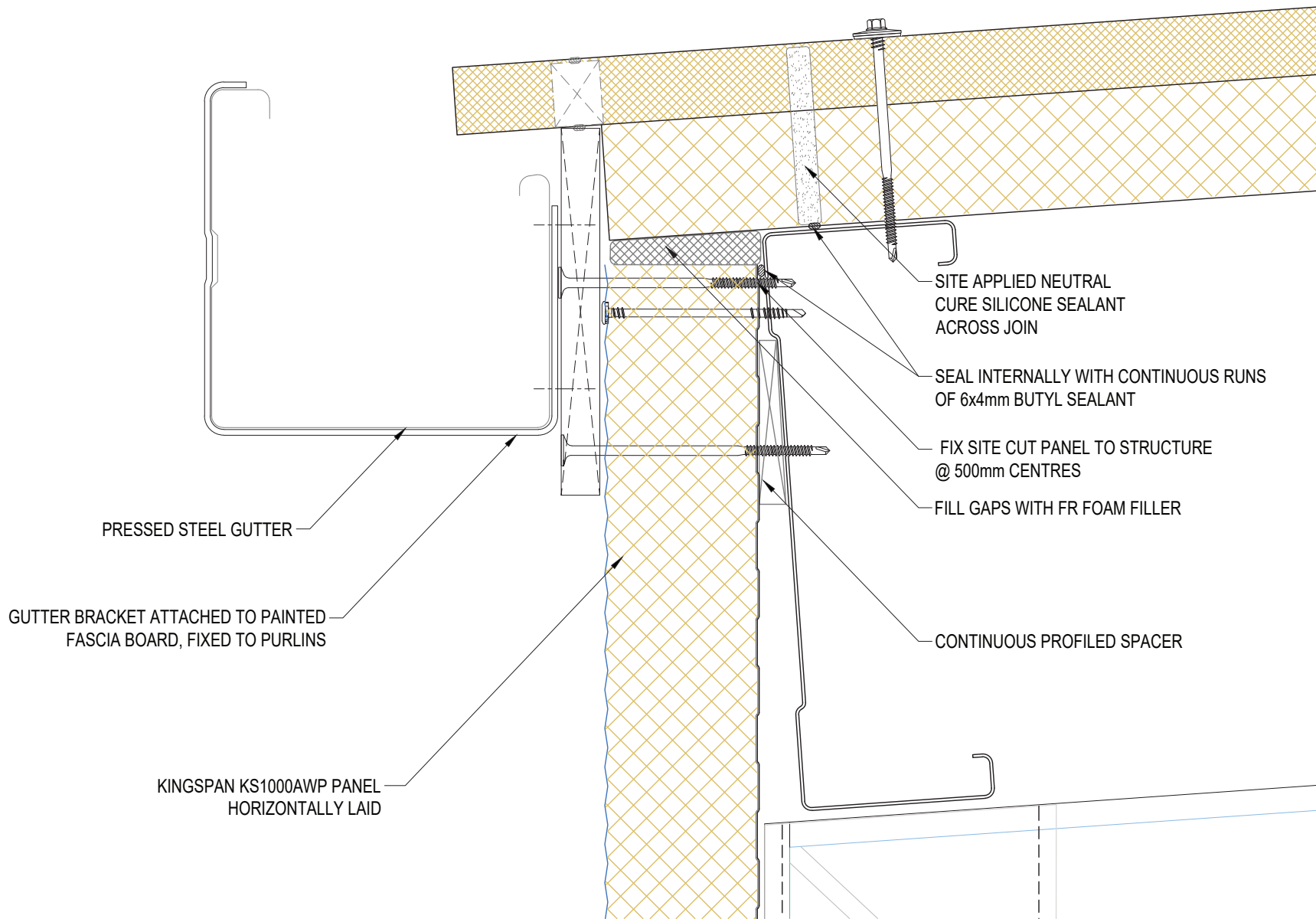
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# AWP WALL EAVES GUTTER



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL EAVES GUTTER		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_31	SCALE 1:3	PAPER SIZE A4

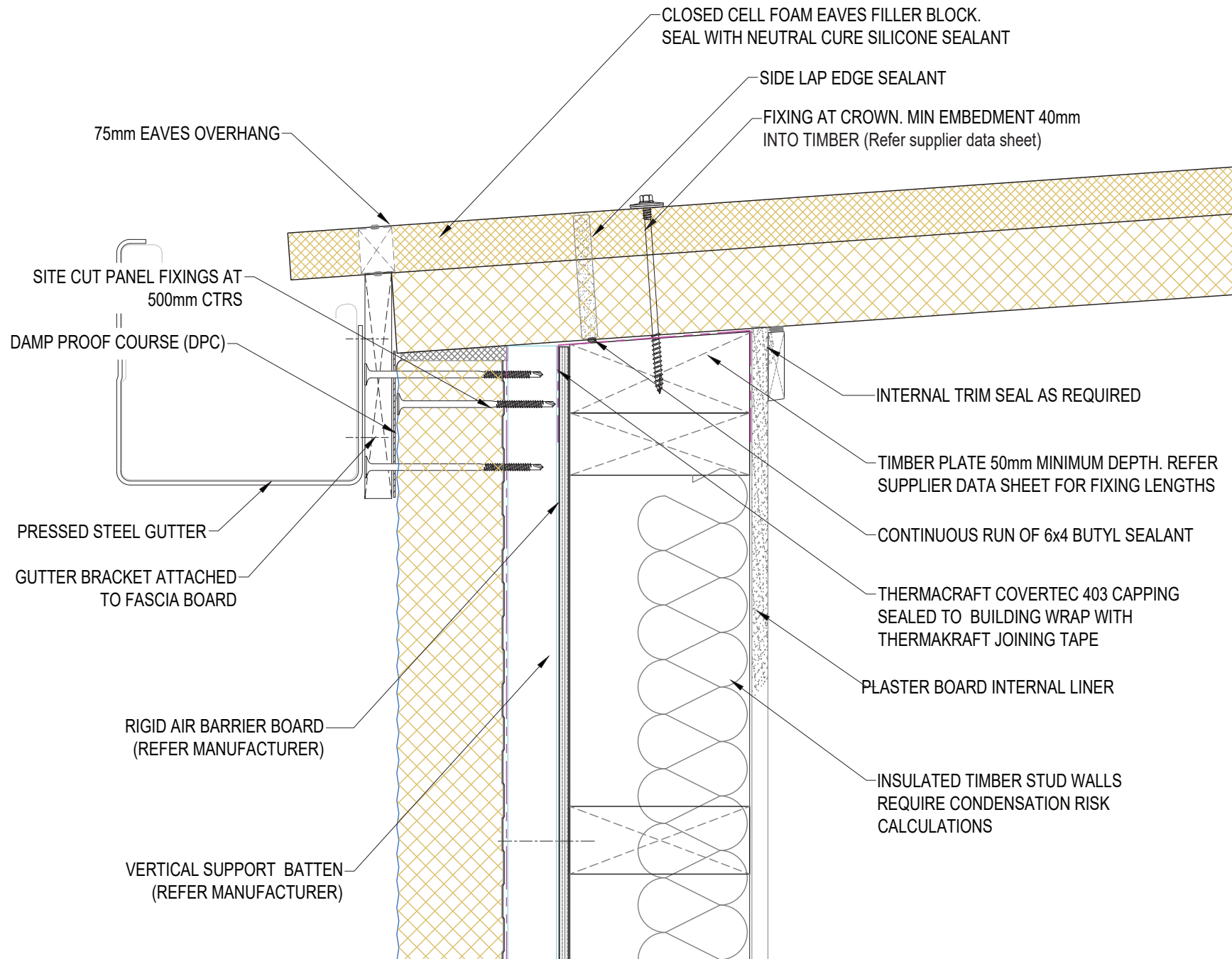
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# EAVES GUTTER - CAVITY WALL ON RAB BOARD



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION EAVES GUTTER - CAVITY WALL ON RAB BOARD		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_32	SCALE 1:4	PAPER SIZE A4

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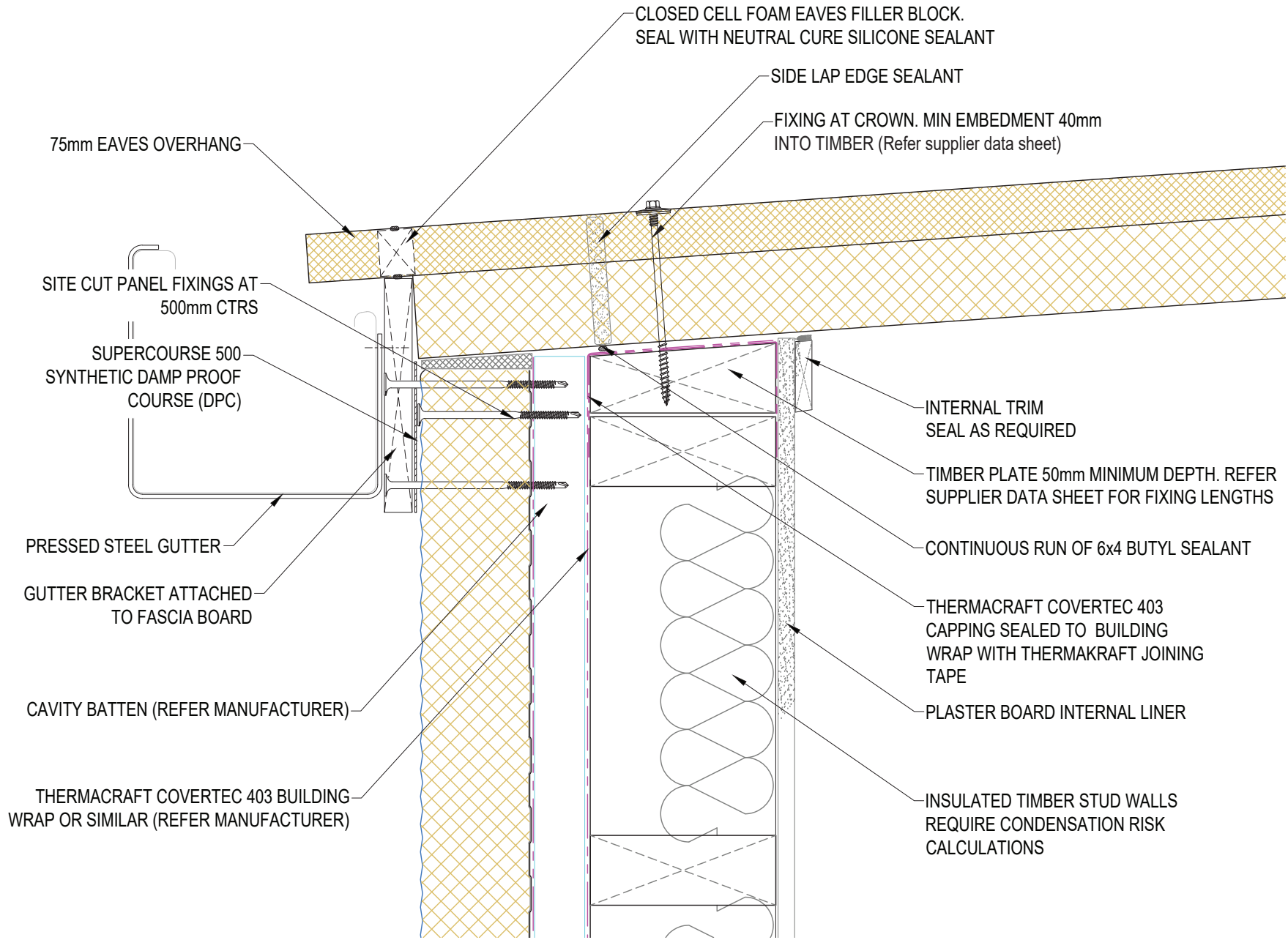
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# EAVES GUTTER - CAVITY WALL ON BUILDING WRAP

CONFIRM THAT THE CAVITY BATTEN CAN RESIST THE APPLIED LOADS.  
IF NOT, FIX THROUGH TO THE TIMBER FRAME



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION EAVES GUTTER - CAVITY WALL ON BUILDING WRAP		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_33	SCALE 1:4	PAPER SIZE A4

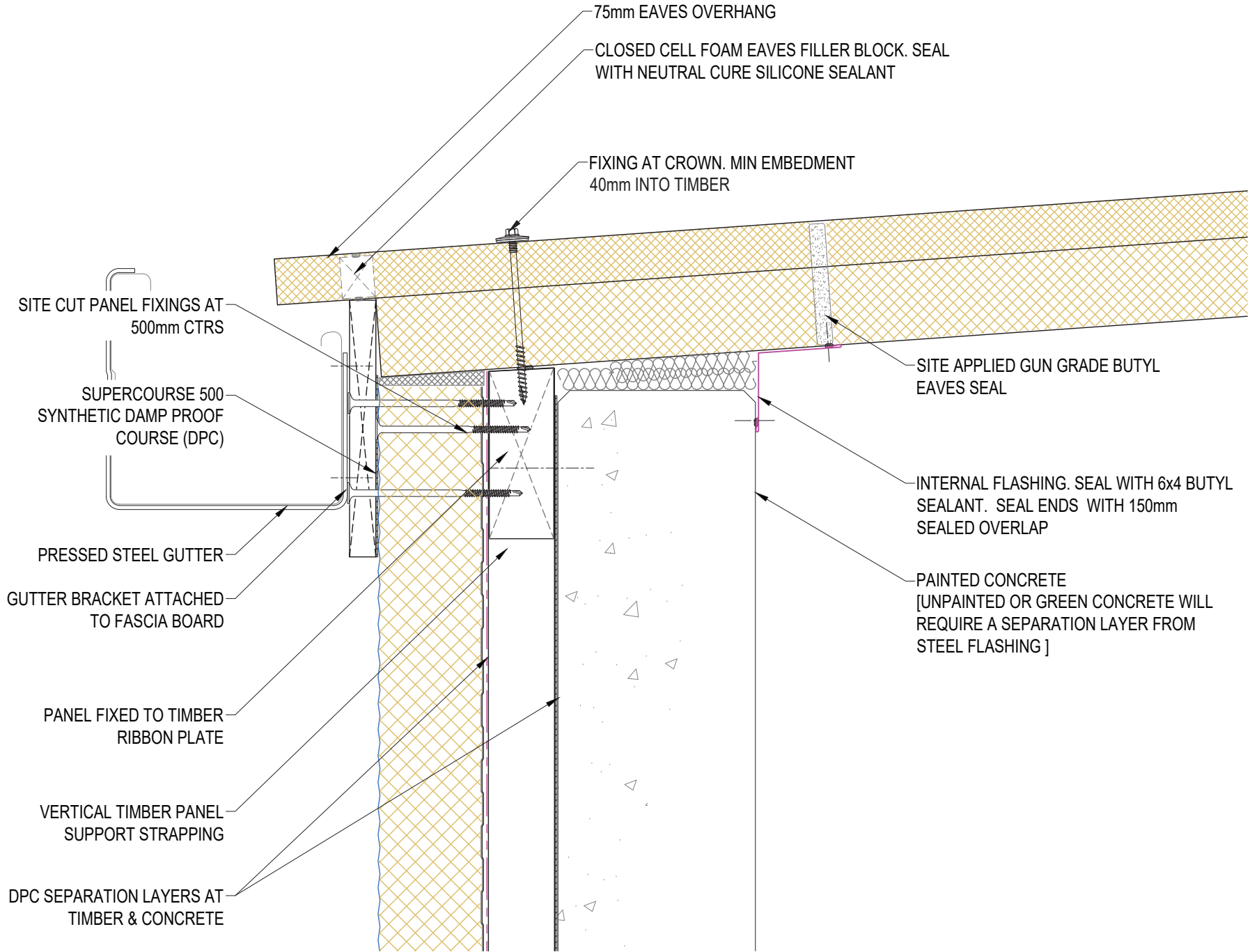
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# EAVES GUTTER - ON TIMBER STRAPPING TO CONCRETE



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION EAVES GUTTER - ON TIMBER STRAPPING TO CONCRETE		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_34	SCALE 1:4	PAPER SIZE A4

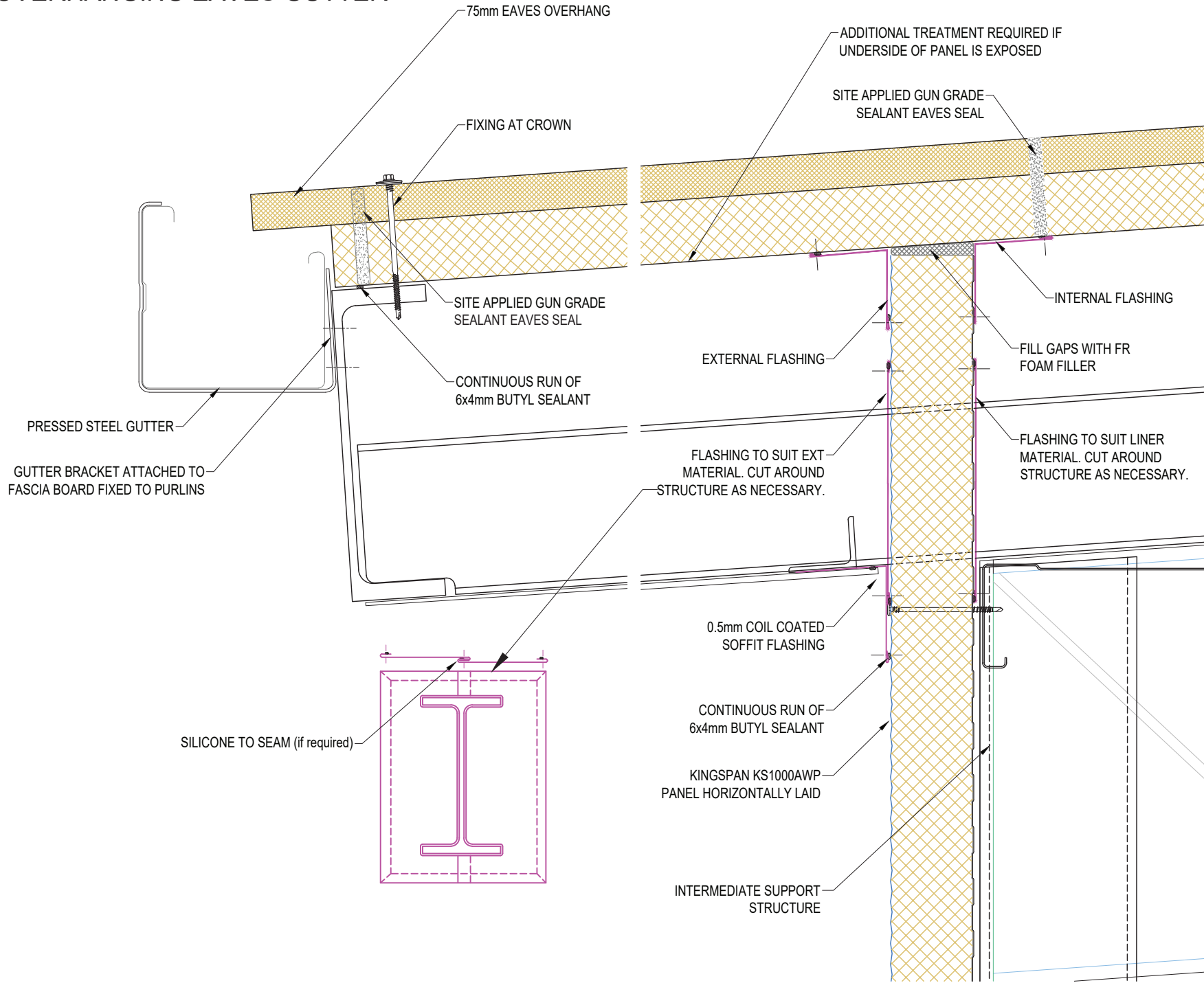
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# OVERHANGING EAVES GUTTER



SYSTEM  
KS1000AWP WALL HORIZONTAL\_STD Q1 2024

DESCRIPTION  
OVERHANGING EAVES GUTTER

APPROVED BY JS	DATE 08. 03. 24.	REVISION -
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DRG REF: AWP_HS_35	SCALE 1:5	PAPER SIZE A4
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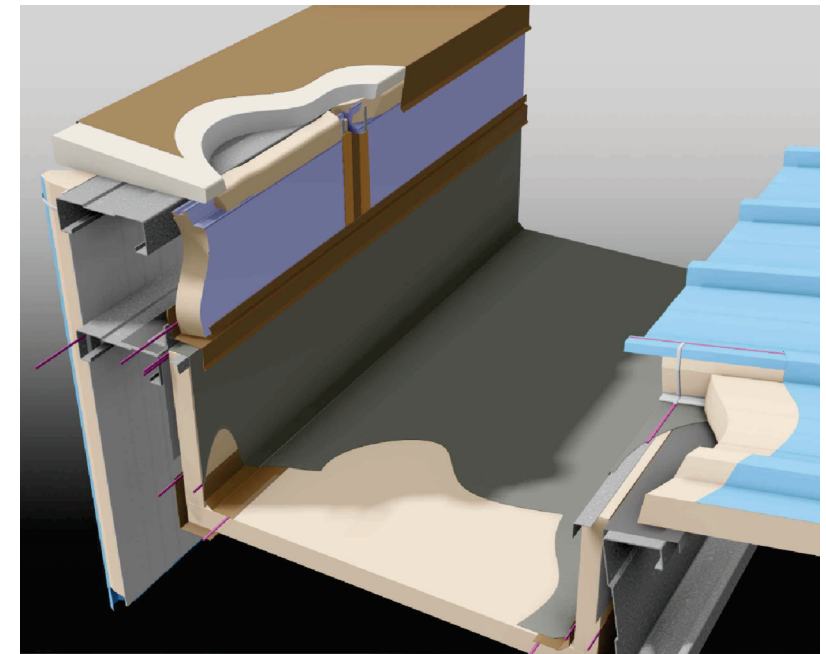
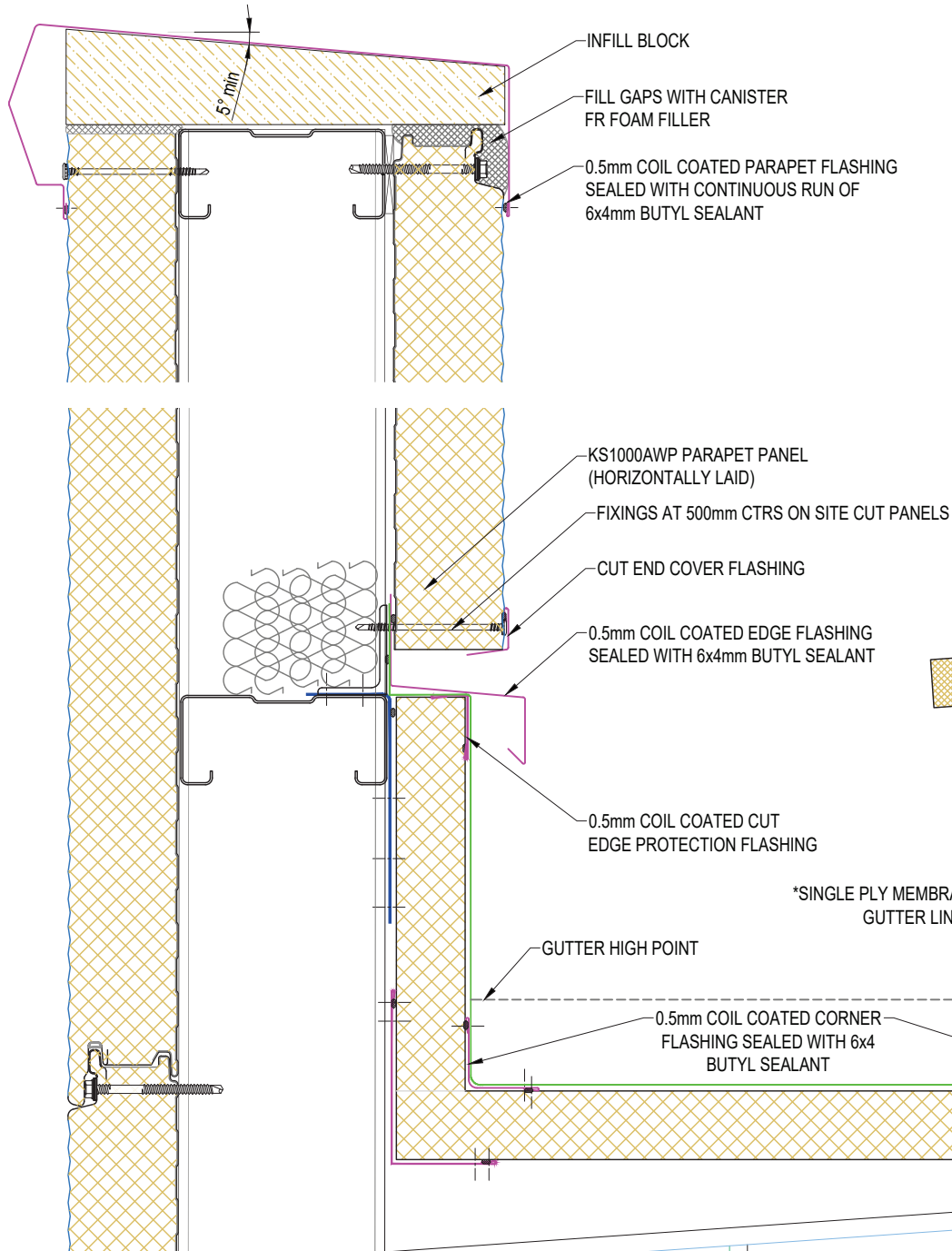
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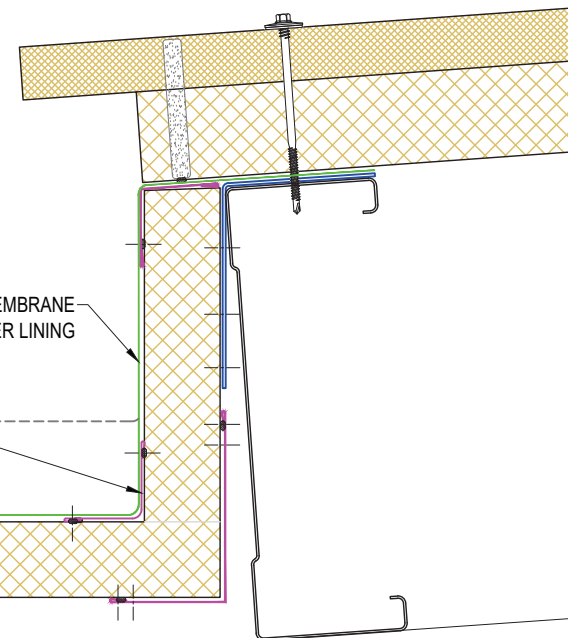


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# AWP WALL PARAPET GUTTER



\* REFER TO MEMBRANE SUPPLIER FOR SINGLE PLY MEMBRANE GUTTER LINING DETAILS (NOT SUITABLE FOR TORCH-ON MEMBRANE PRODUCTS)



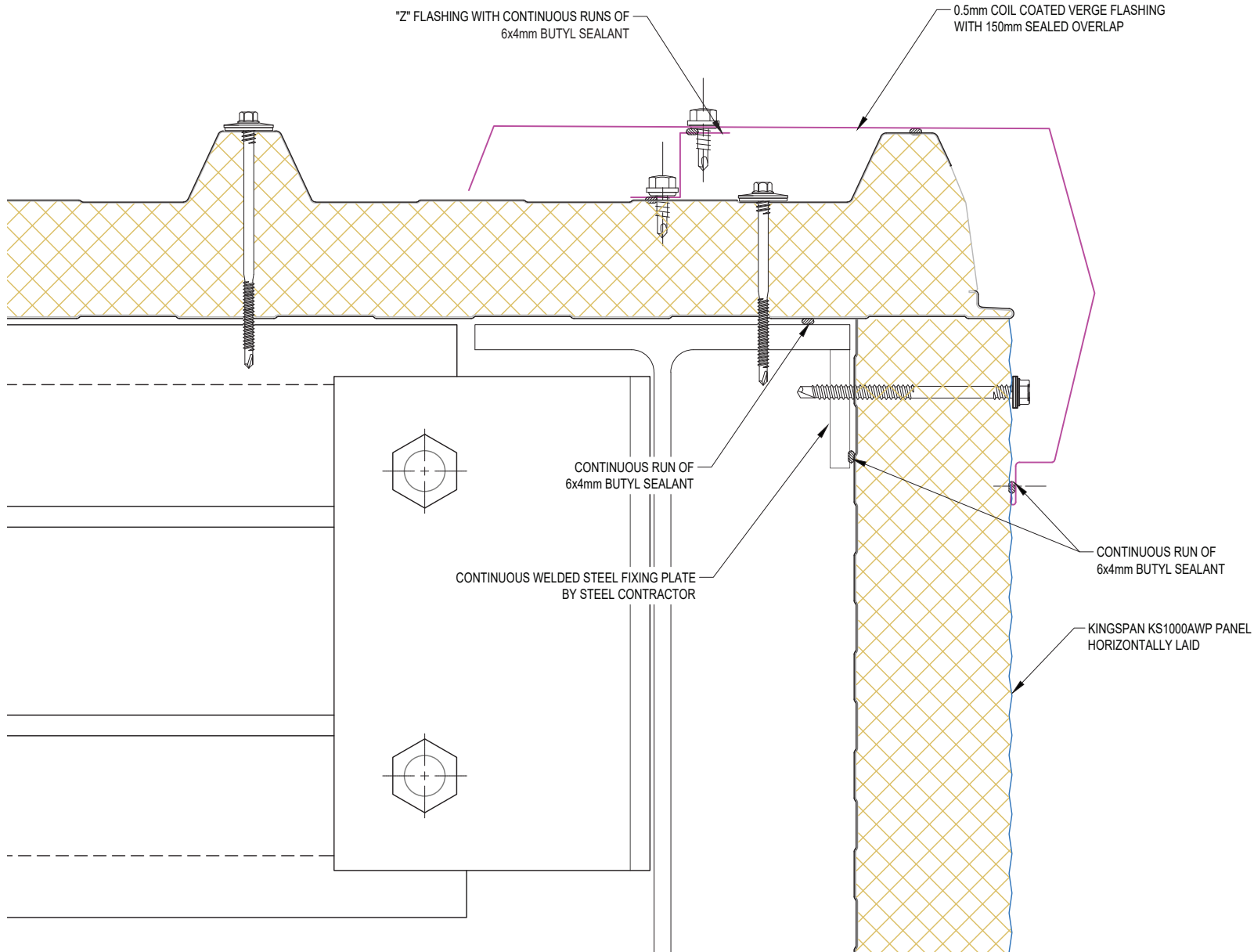
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL PARAPET GUTTER		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_36	SCALE 1:5	PAPER SIZE A4

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# AWP WALL VERGE DETAIL (RW MALE EDGE)



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL VERGE DETAIL (RW MALE EDGE)		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_37	SCALE 1:3	PAPER SIZE A4

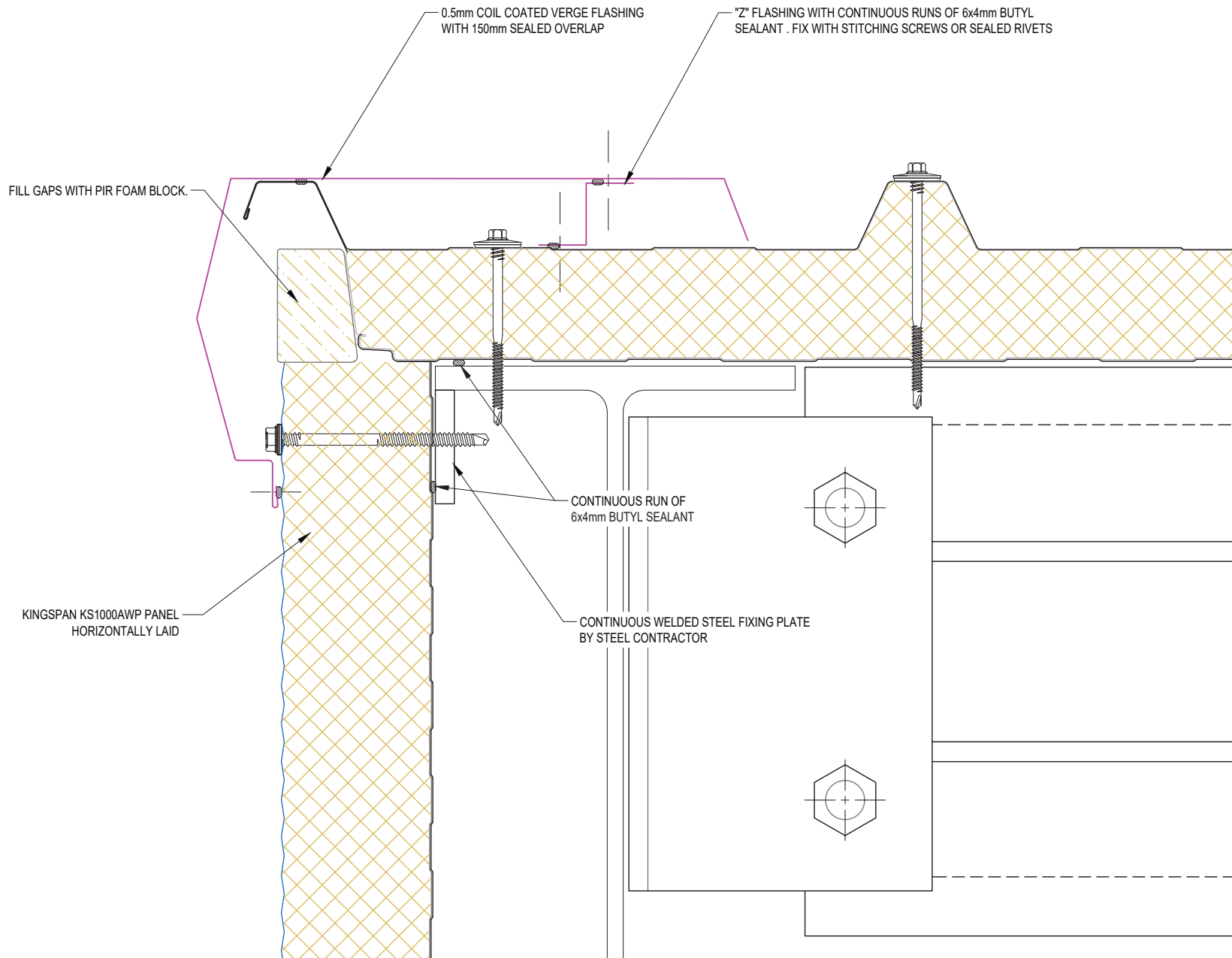
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# AWP WALL VERGE DETAIL (RW FEMALE EDGE)



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL VERGE DETAIL (RW FEMALE EDGE)		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_38	SCALE 1:3	PAPER SIZE A4

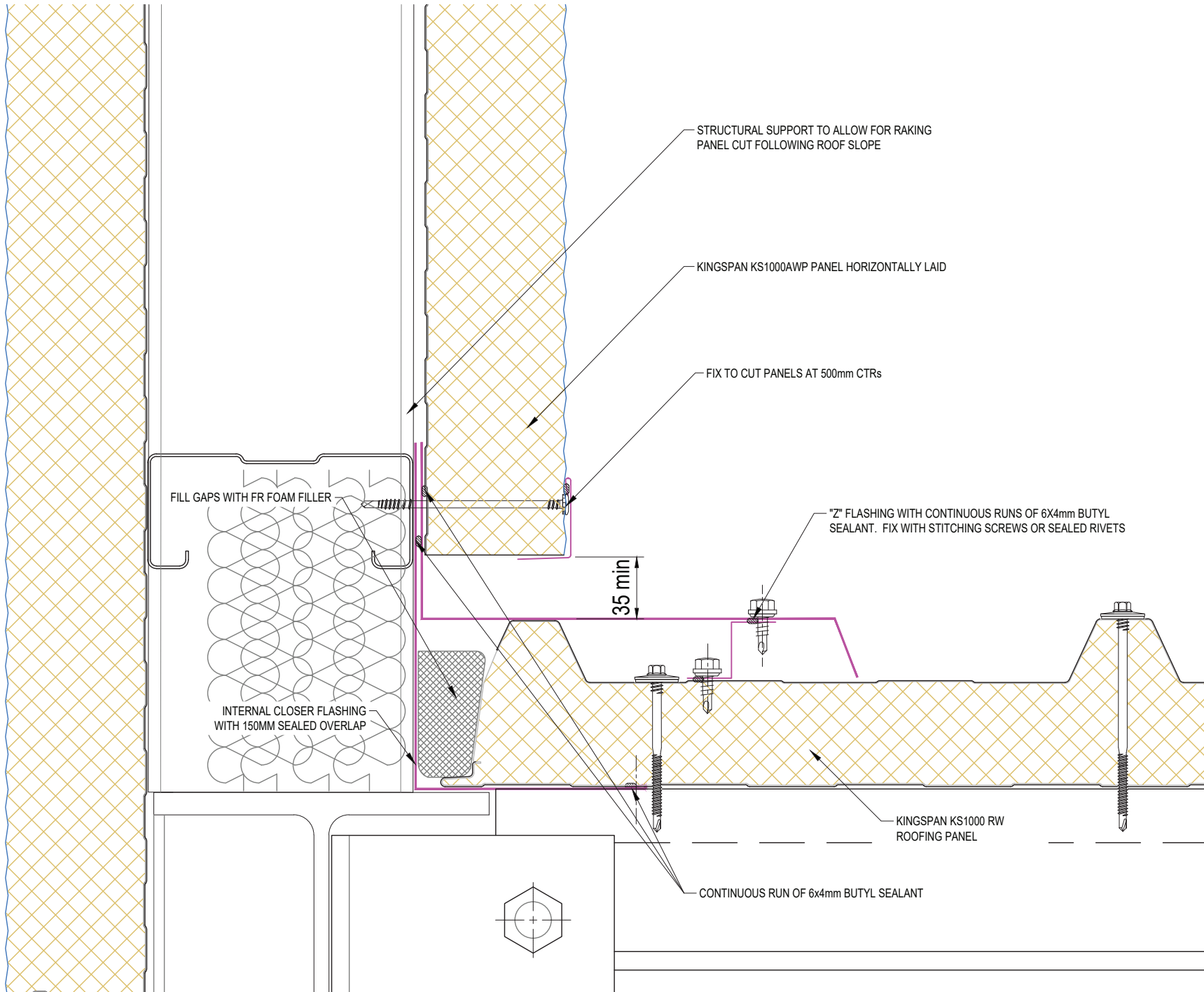
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# AWP WALL PARAPET VERGE



STRUCTURAL SUPPORT TO ALLOW FOR RAKING  
PANEL CUT FOLLOWING ROOF SLOPE

KINGSPAN KS1000AWP PANEL HORIZONTALLY LAID

FIX TO CUT PANELS AT 500mm CTRs

FILL GAPS WITH FR FOAM FILLER

"Z" FLASHING WITH CONTINUOUS RUNS OF 6X4mm BUTYL  
SEALANT. FIX WITH STITCHING SCREWS OR SEALED RIVETS

35 min

INTERNAL CLOSER FLASHING  
WITH 150MM SEALED OVERLAP

KINGSPAN KS1000 RW  
ROOFING PANEL

CONTINUOUS RUN OF 6x4mm BUTYL SEALANT

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL PARAPET VERGE		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_39	SCALE 1:3	PAPER SIZE A4

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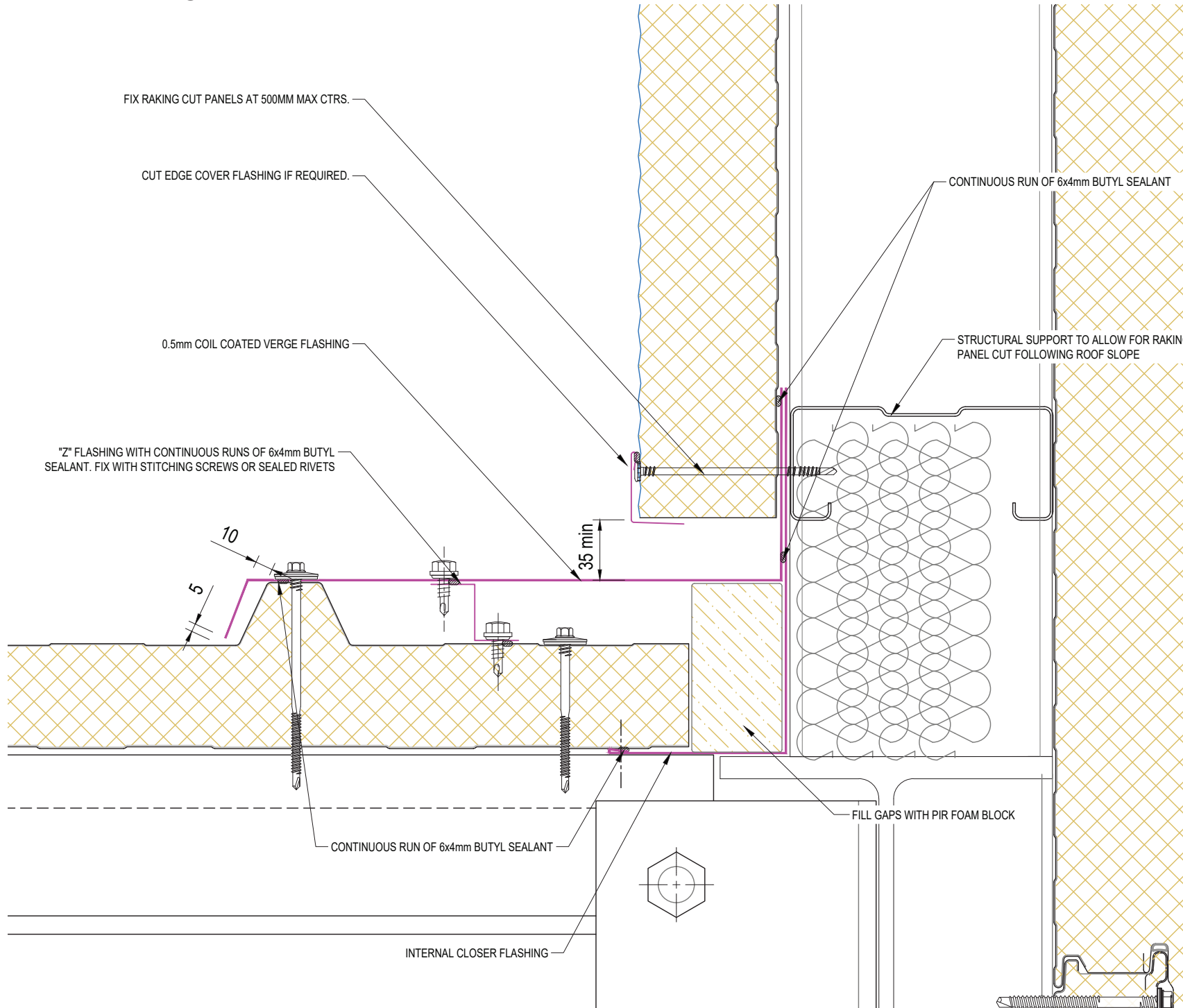
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# PARAPET VERGE WITH PANEL BEARER



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION PARAPET VERGE WITH PANEL BEARER		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_40	SCALE 1:3	PAPER SIZE A4

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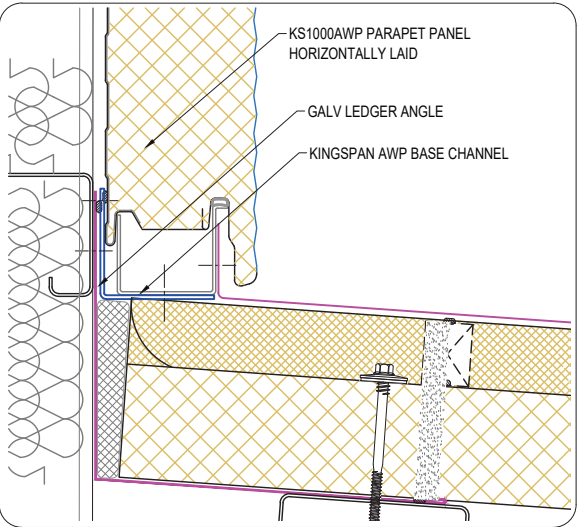
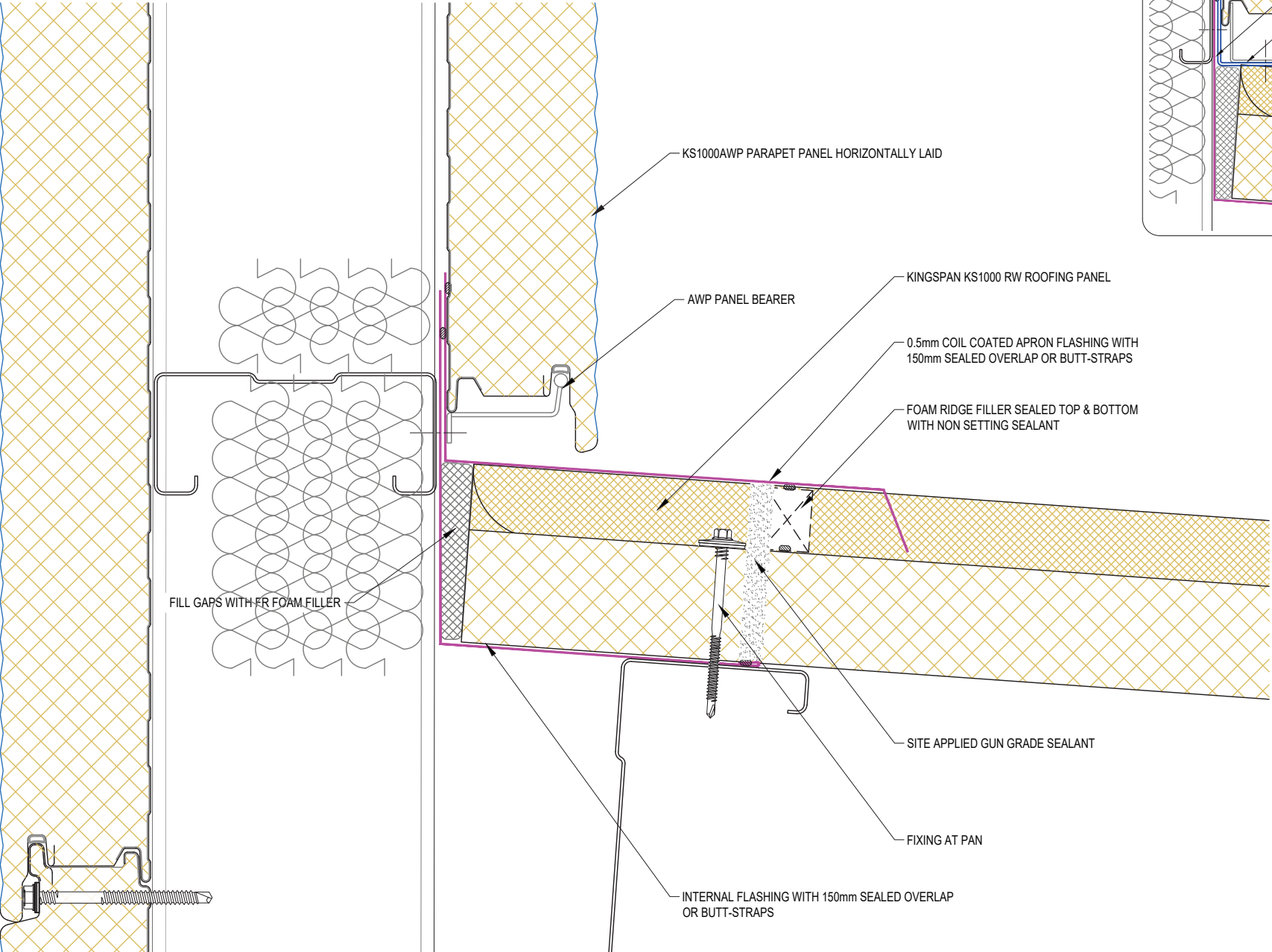
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# AWP WALL SKILLION DETAIL (PANEL BEARER)



OPTION B BASE CHANNEL

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL SKILLION DETAIL (PANEL BEARER)		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_41	SCALE 1:3	PAPER SIZE A4

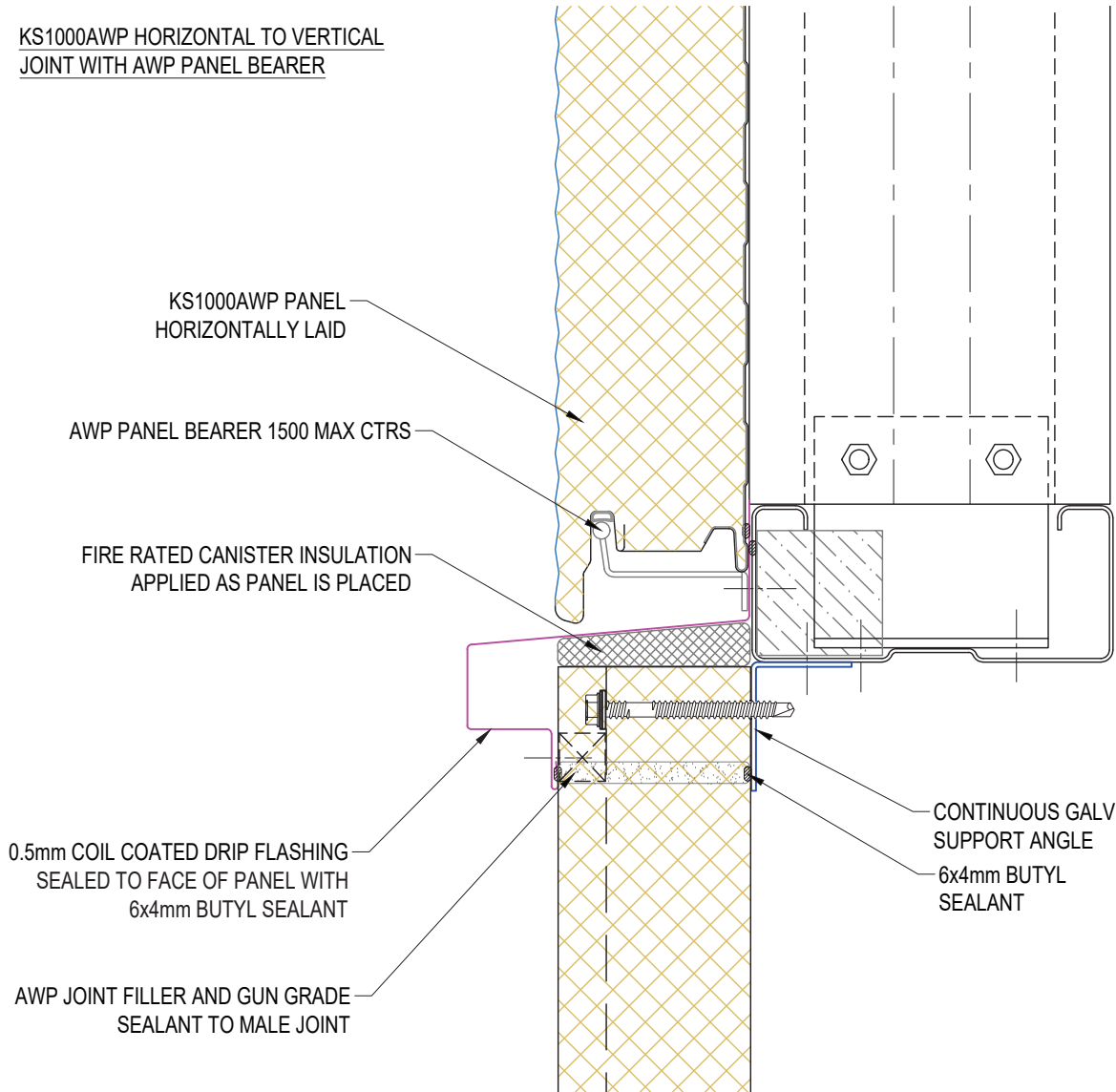
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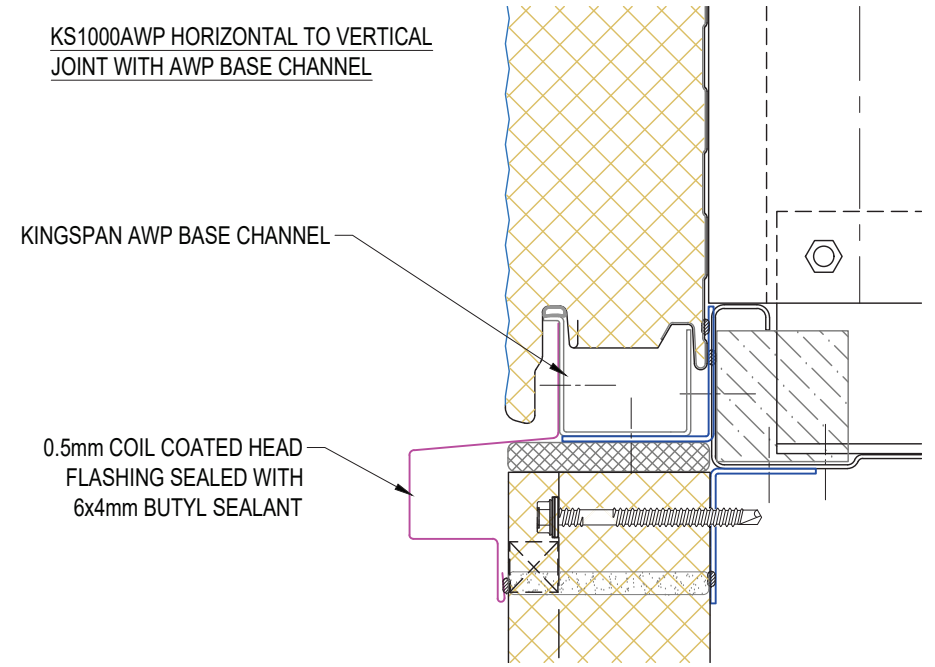
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# KS1000AWP WALL HORIZONTAL TO VERTICAL STACK JOINT DETAIL

KS1000AWP HORIZONTAL TO VERTICAL JOINT WITH AWP PANEL BEARER



KS1000AWP HORIZONTAL TO VERTICAL JOINT WITH AWP BASE CHANNEL



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION KS1000AWP WALL HORIZONTAL TO VERTICAL STACK JOINT DETAIL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_42	SCALE 1:5	PAPER SIZE A4

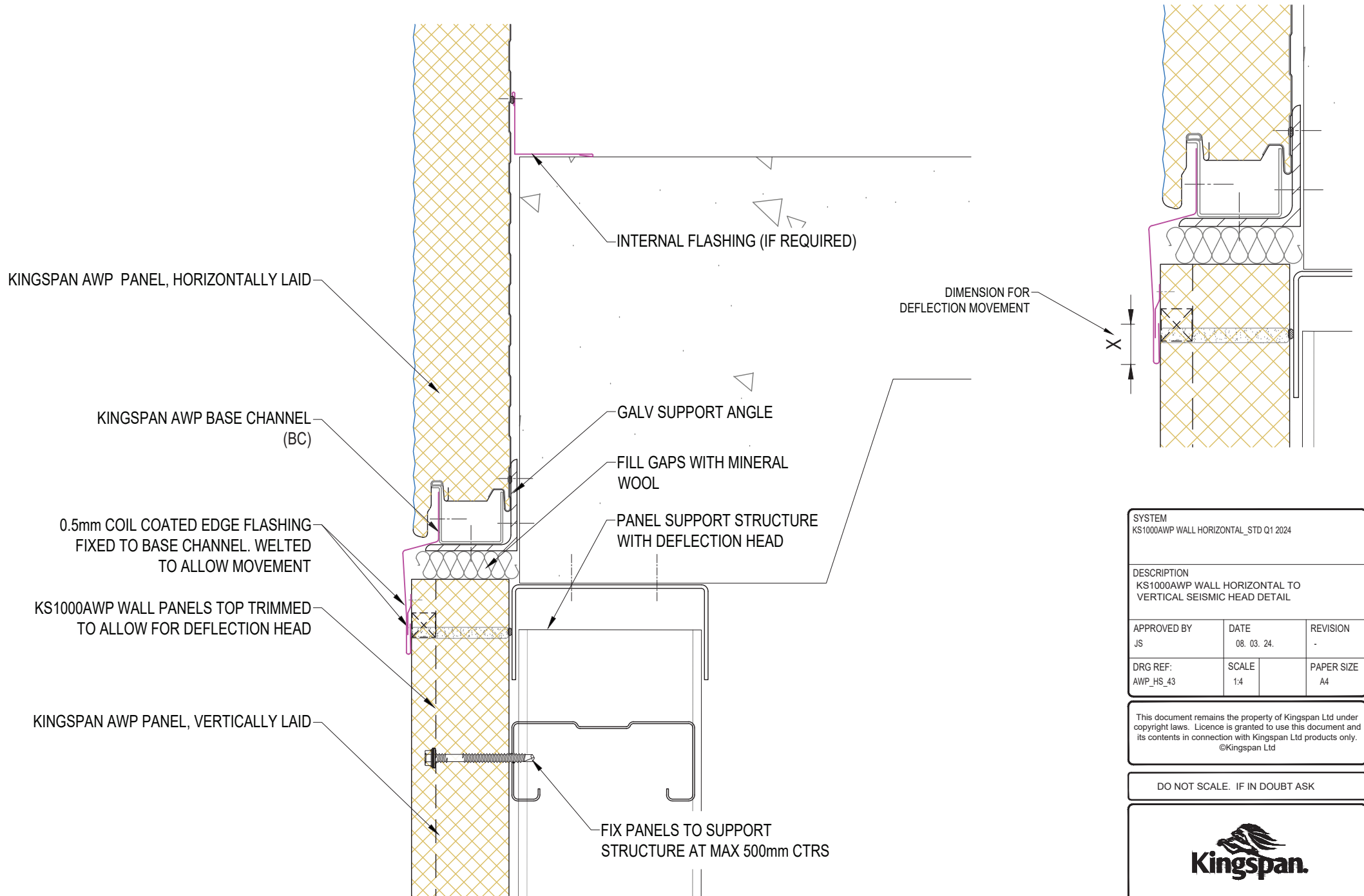
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# KS1000AWP WALL HORIZONTAL TO VERTICAL SEISMIC HEAD DETAIL



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION KS1000AWP WALL HORIZONTAL TO VERTICAL SEISMIC HEAD DETAIL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_43	SCALE 1:4	PAPER SIZE A4

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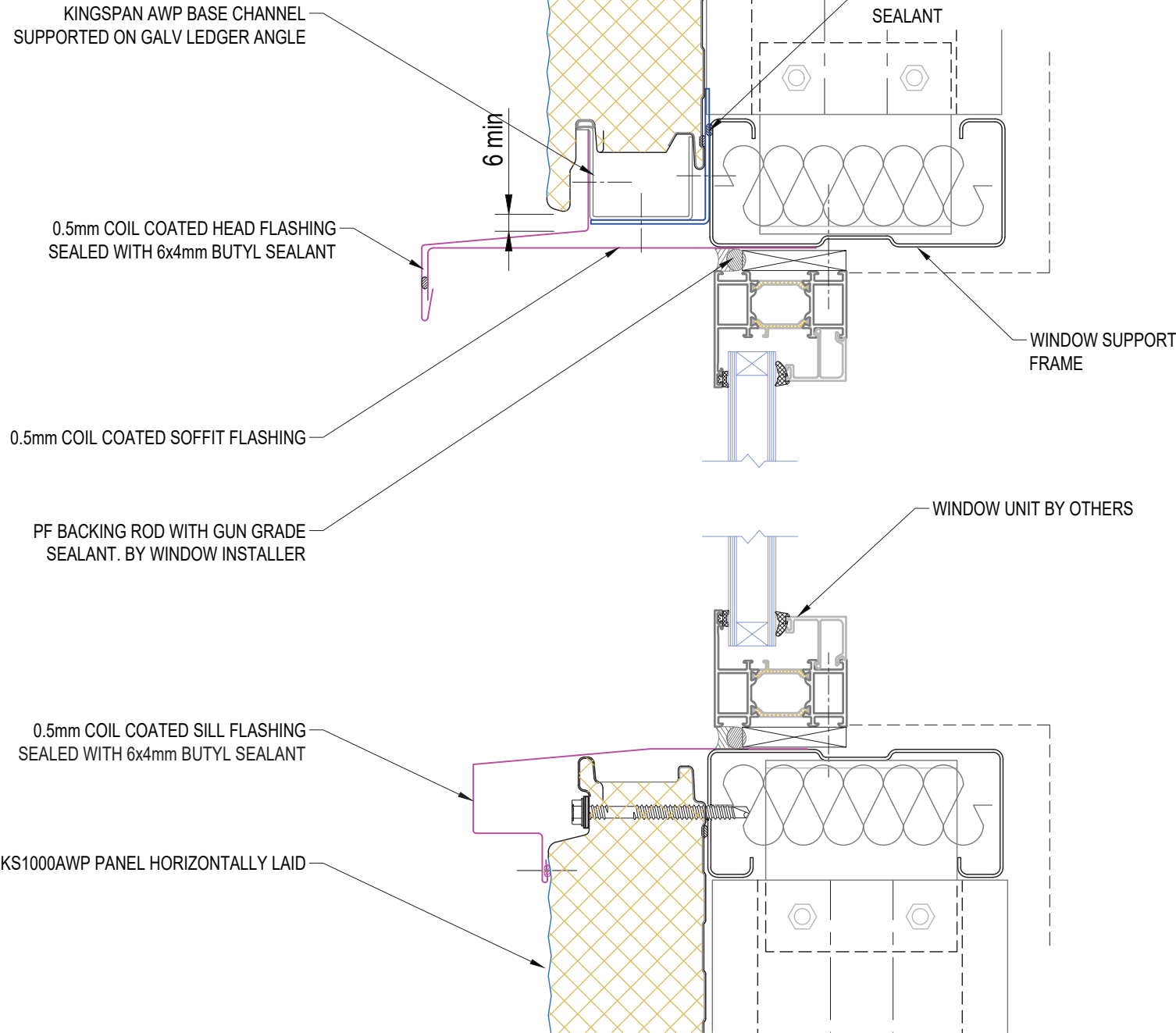
DO NOT SCALE. IF IN DOUBT ASK



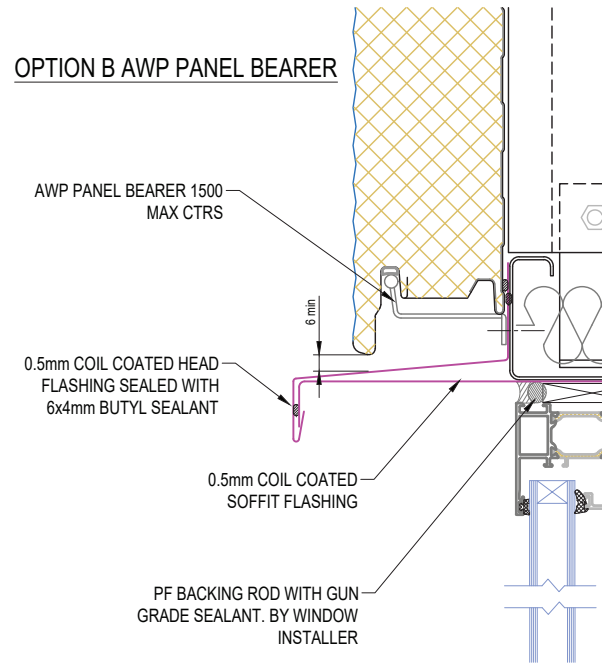
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# AWP WALL WINDOW DETAIL (BASE CHANNEL)

## OPTION A BASE CHANNEL



## OPTION B AWP PANEL BEARER



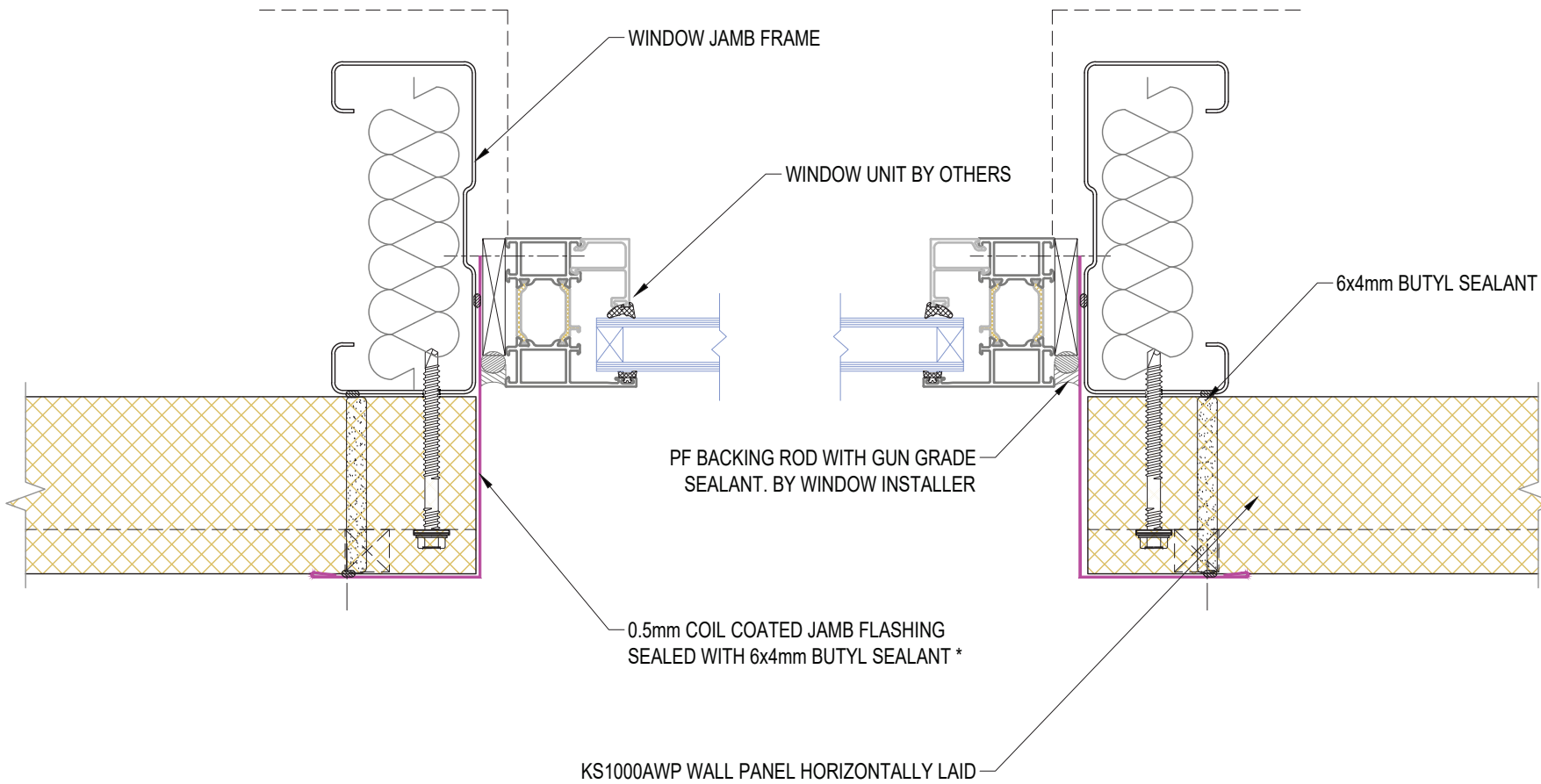
SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL WINDOW DETAIL (Base Channel)		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_44	SCALE 1:2	PAPER SIZE A4

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# AWP WALL WINDOW DETAIL (HORIZONTAL SECTION)



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL WINDOW DETAIL (horizontal section)		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_45	SCALE 1:2	PAPER SIZE A4

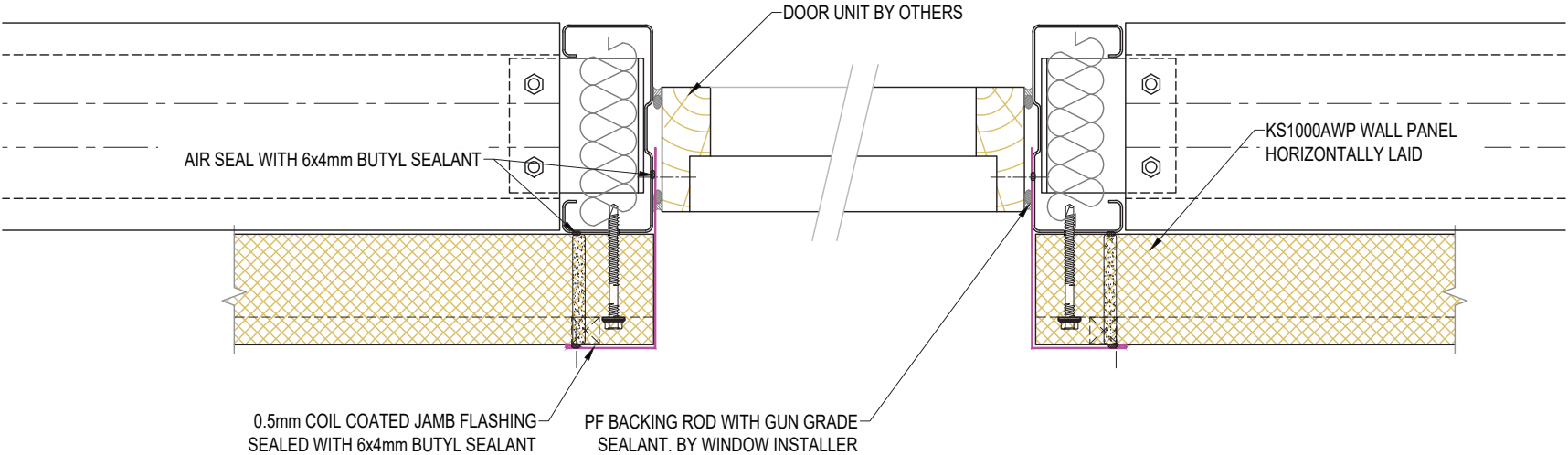
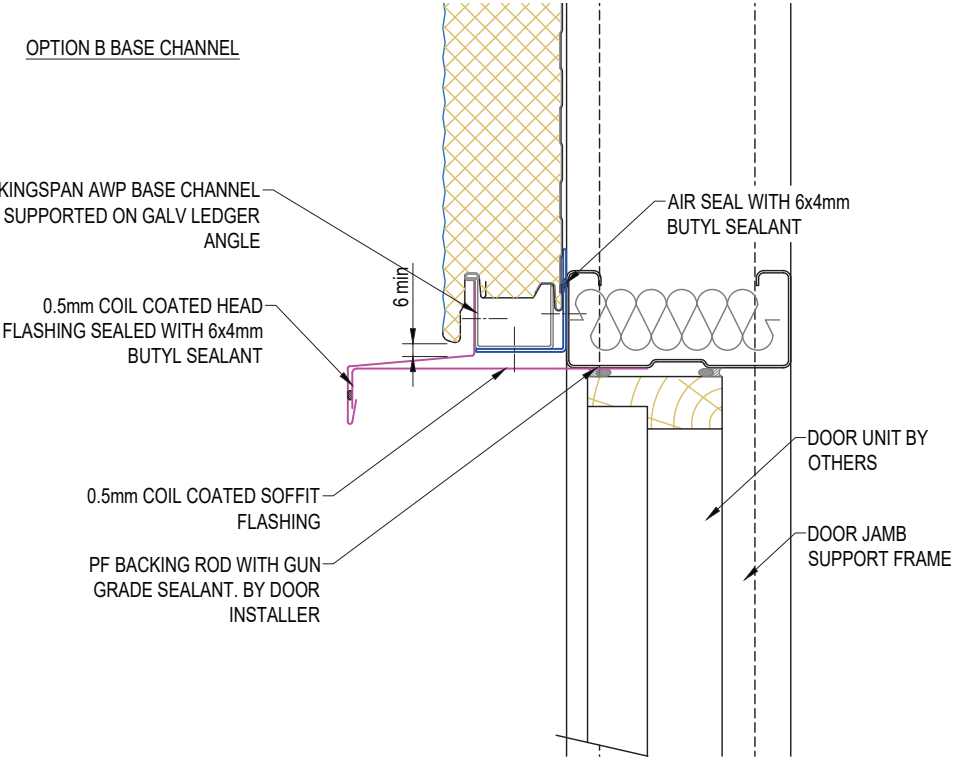
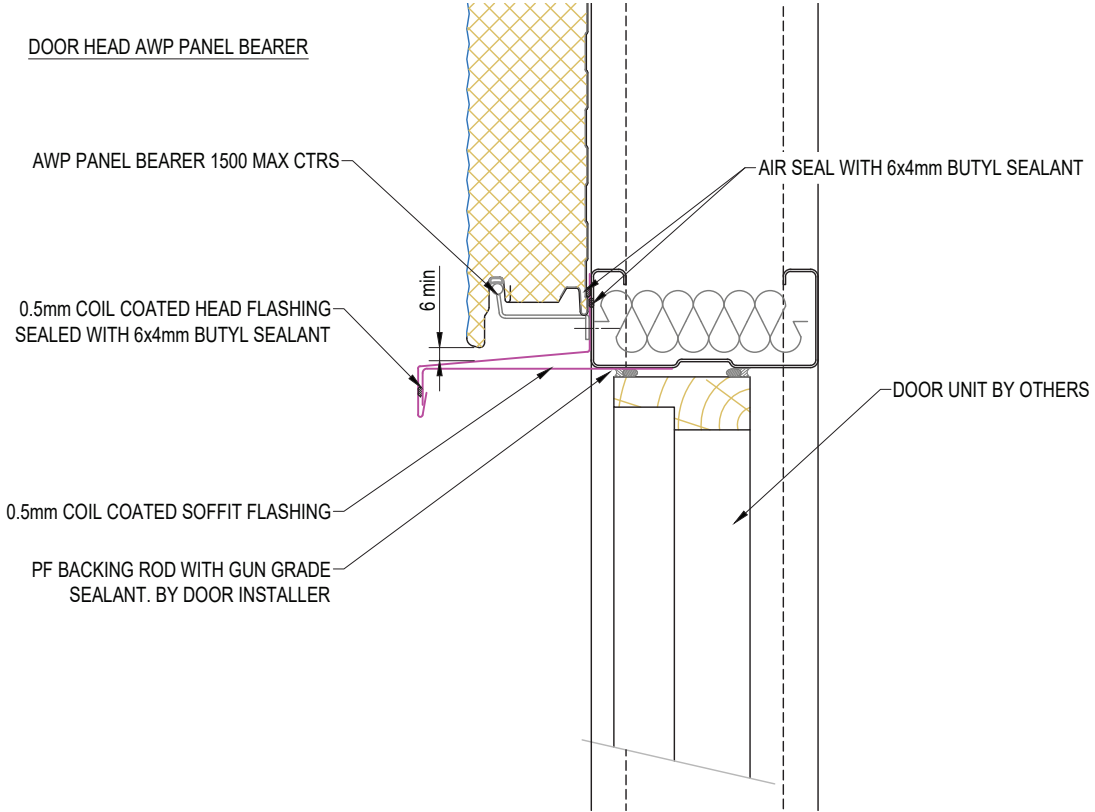
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# AWP WALL PERSONNEL DOOR DETAIL



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL PERSONNEL DOOR DETAIL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_46	SCALE 1:5	PAPER SIZE A4

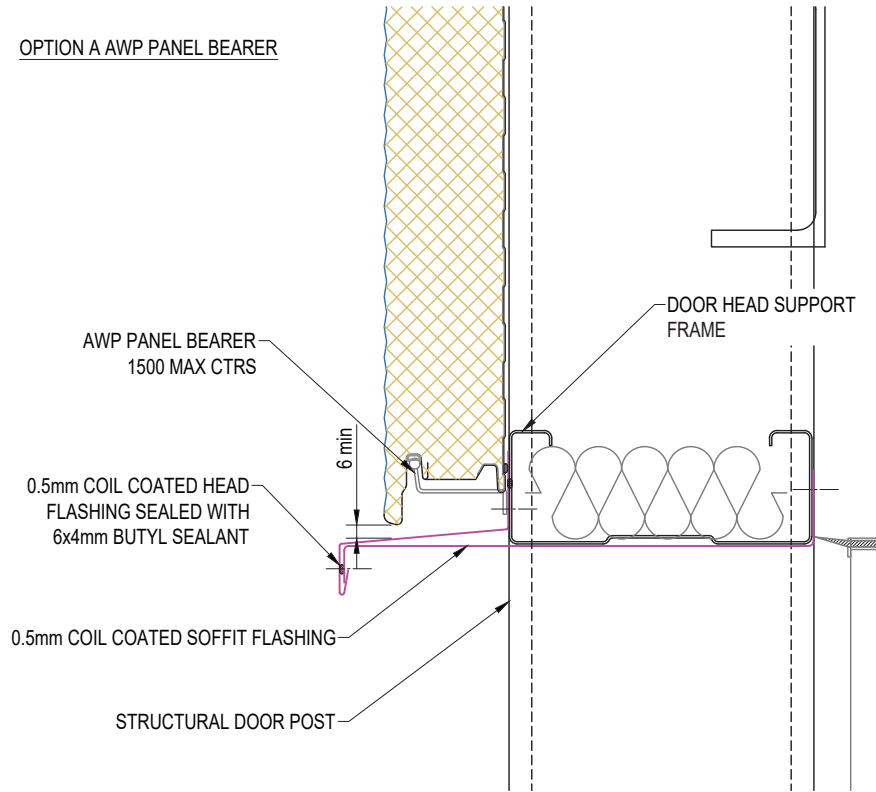
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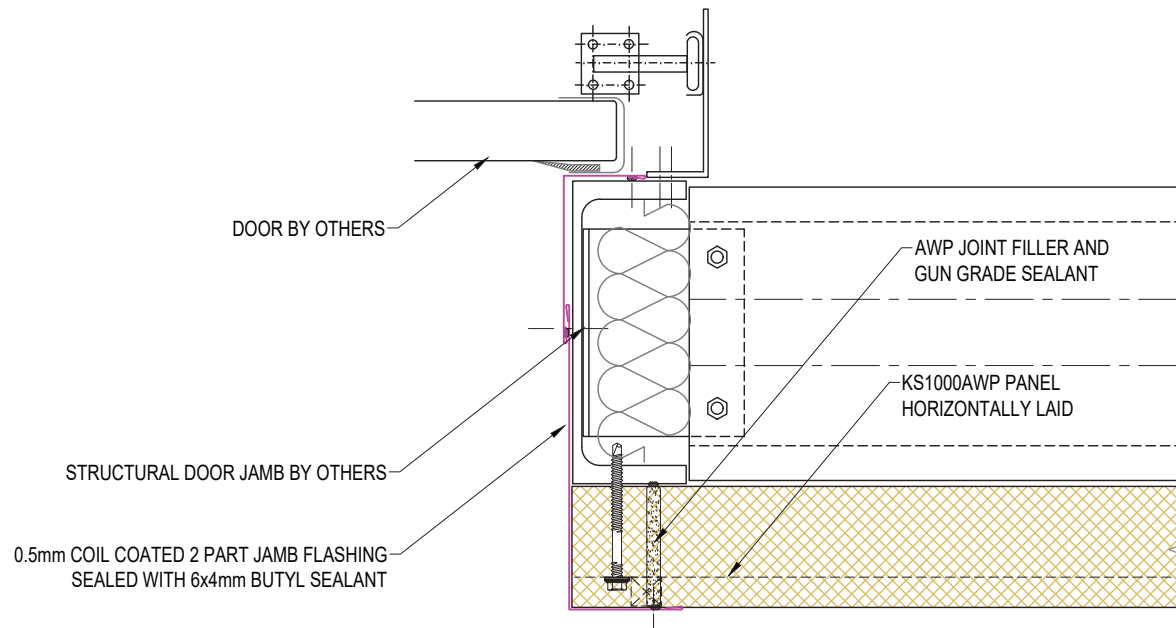
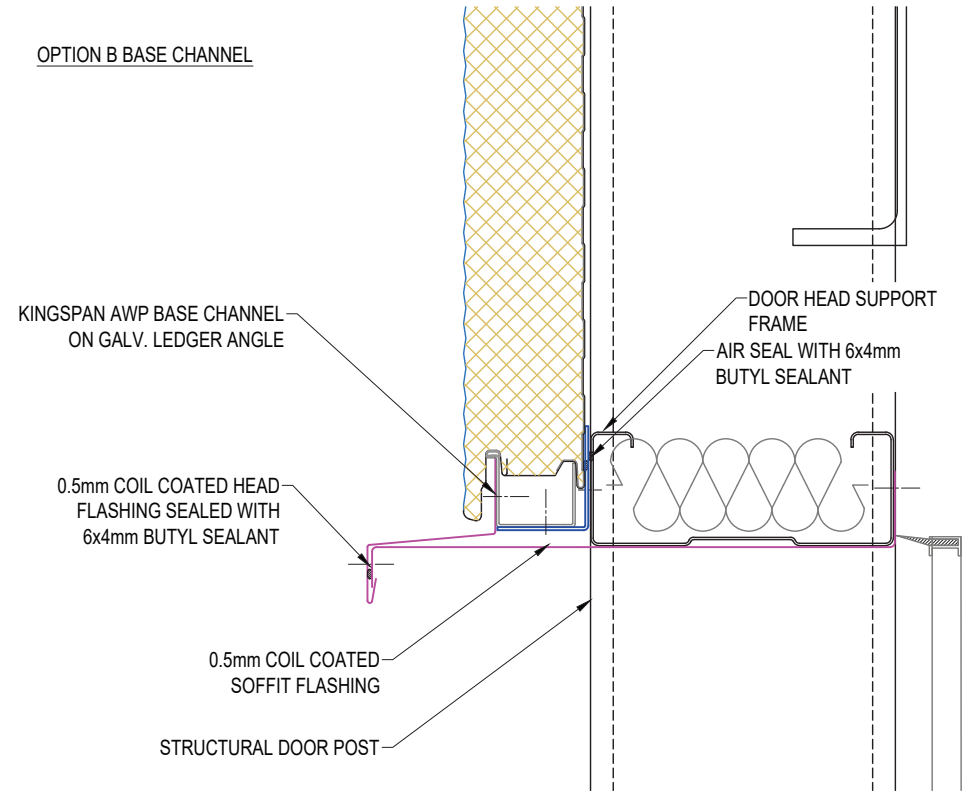
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# AWP WALL OVER HEAD DOOR DETAIL

OPTION A AWP PANEL BEARER



OPTION B BASE CHANNEL



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL OVER HEAD DOOR DETAIL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_47	SCALE 1:5	PAPER SIZE A4

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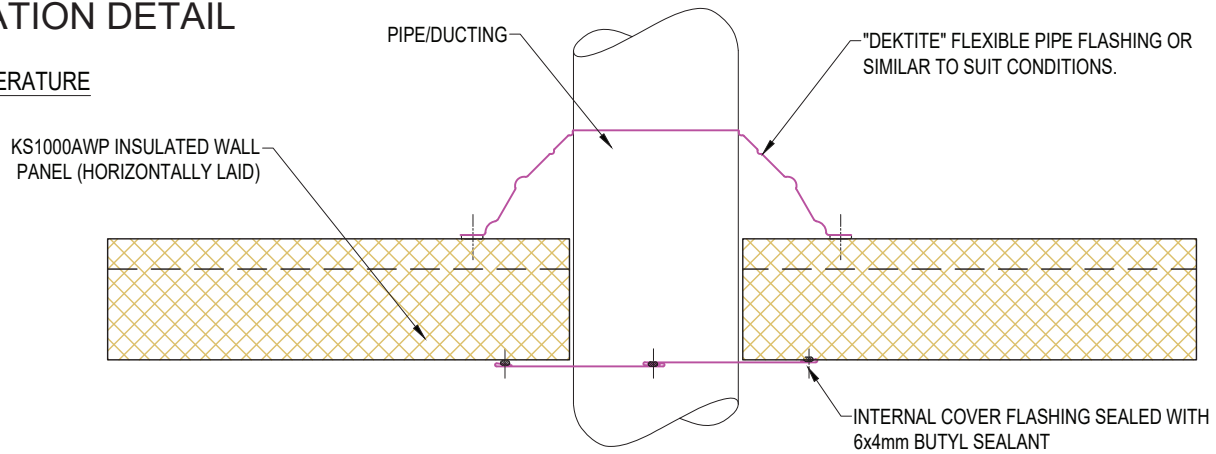


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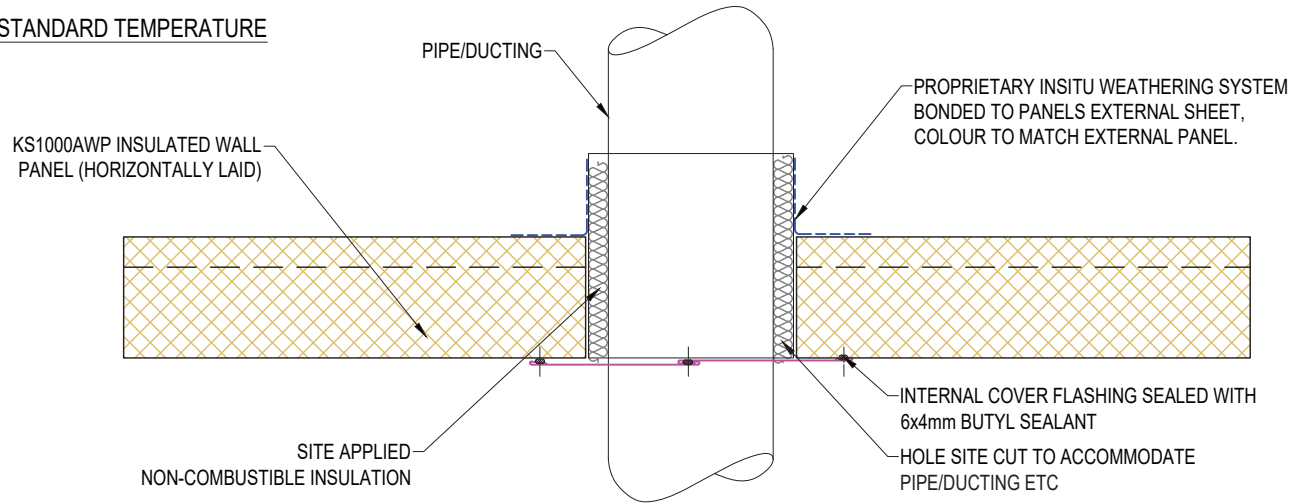


# AWP WALL PENETRATION DETAIL

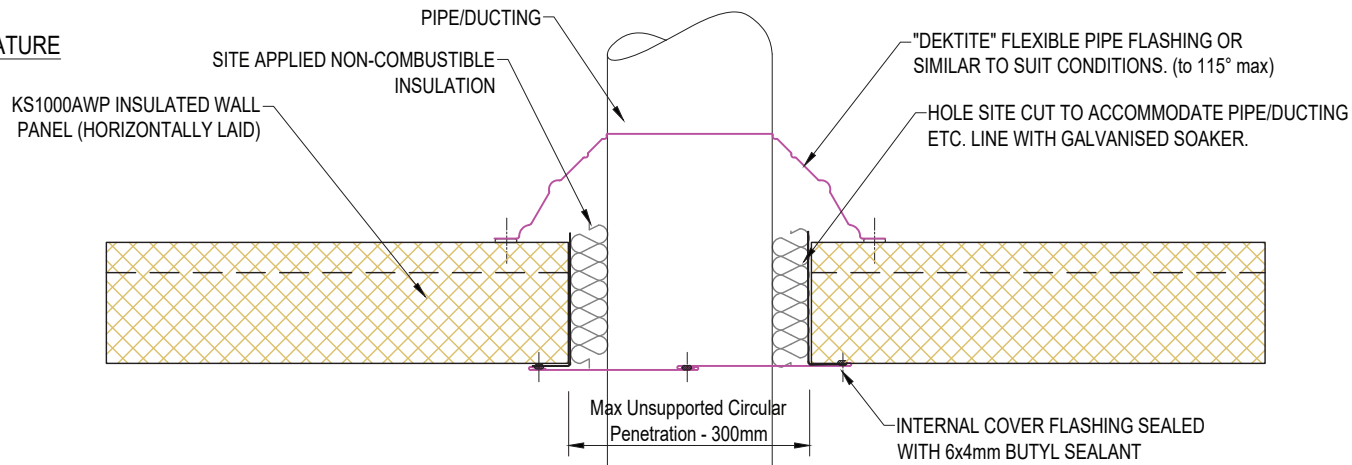
## STANDARD TEMPERATURE



## ALTERNATIVE STANDARD TEMPERATURE



## HIGH TEMPERATURE

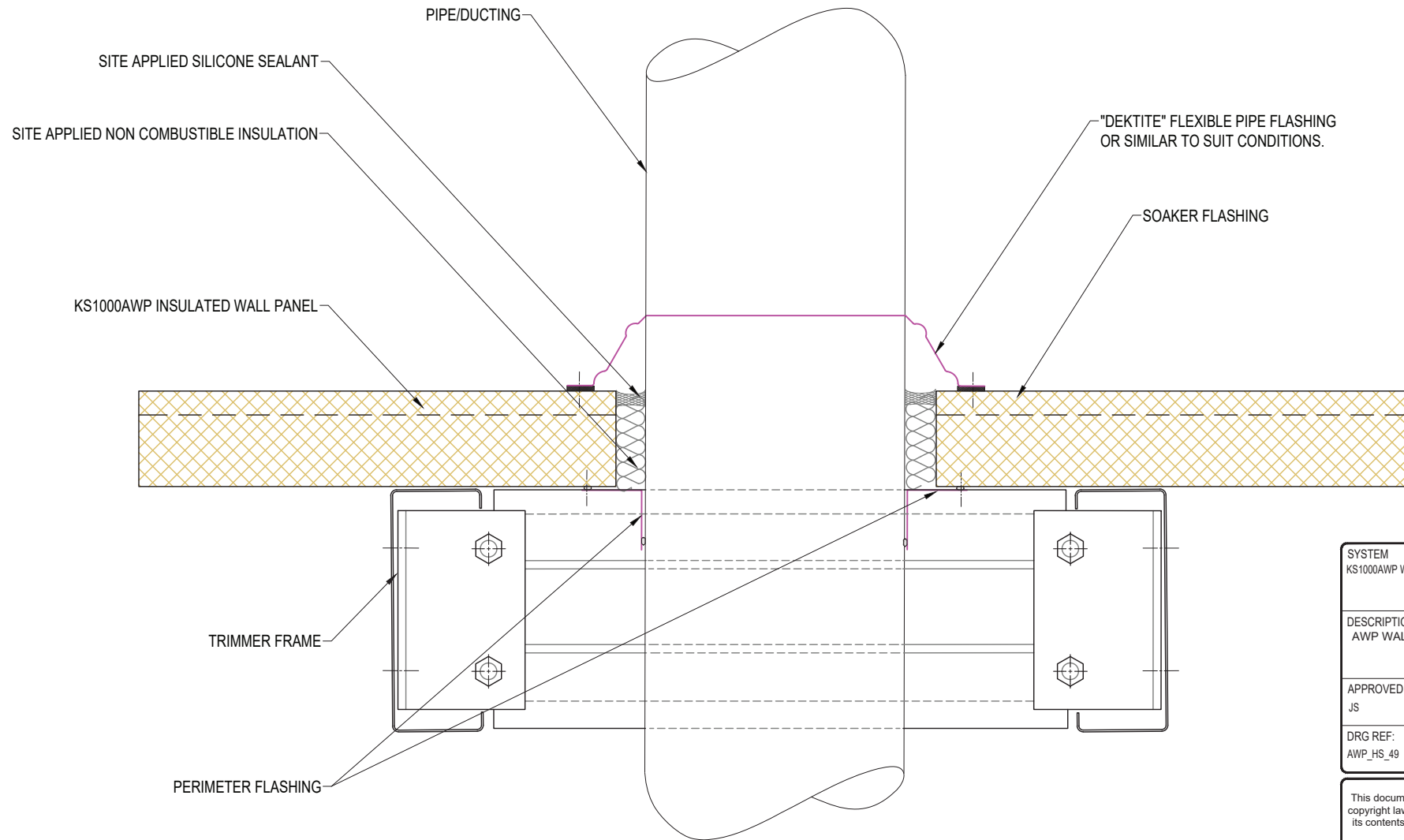


SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL PENETRATION DETAIL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_48	SCALE 1:5	PAPER SIZE A4
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# AWP WALL PENETRATION DETAIL



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION AWP WALL PENETRATION DETAIL		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_49	SCALE 1:5	PAPER SIZE A4

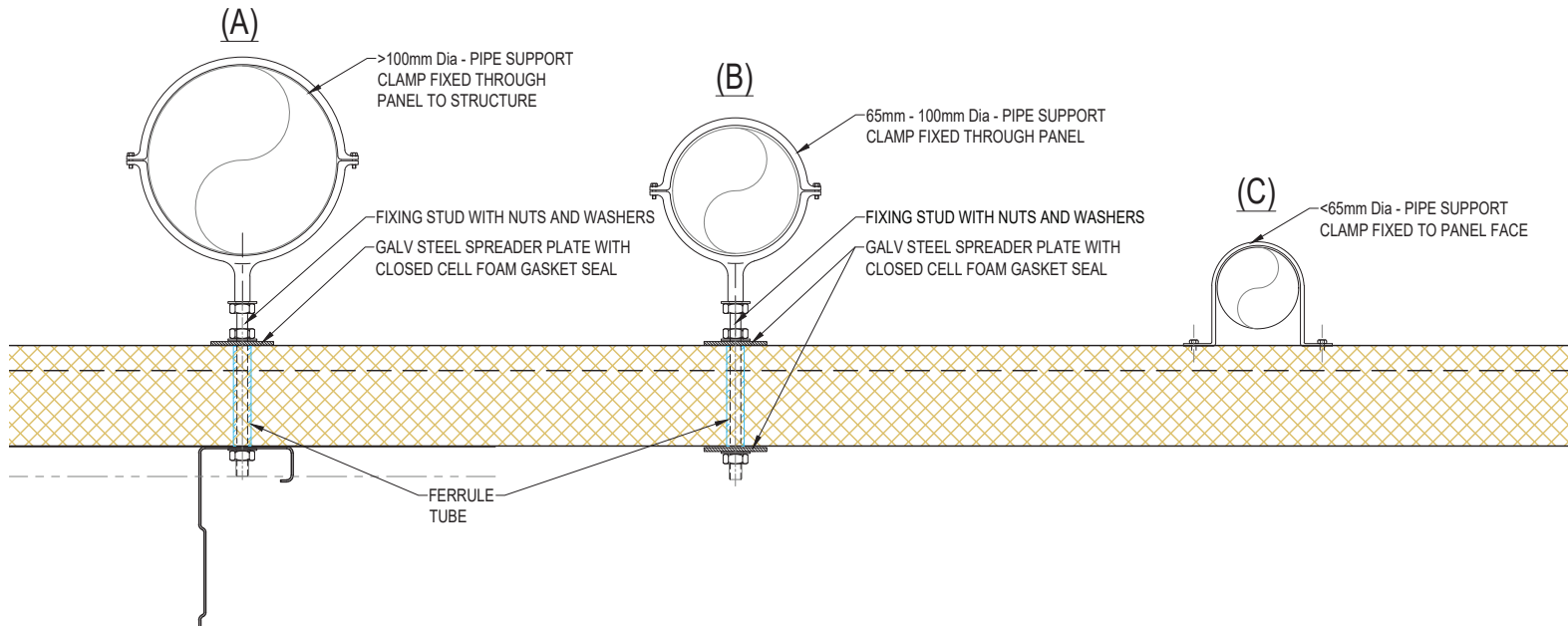
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# PIPE SUPPORT DETAILS

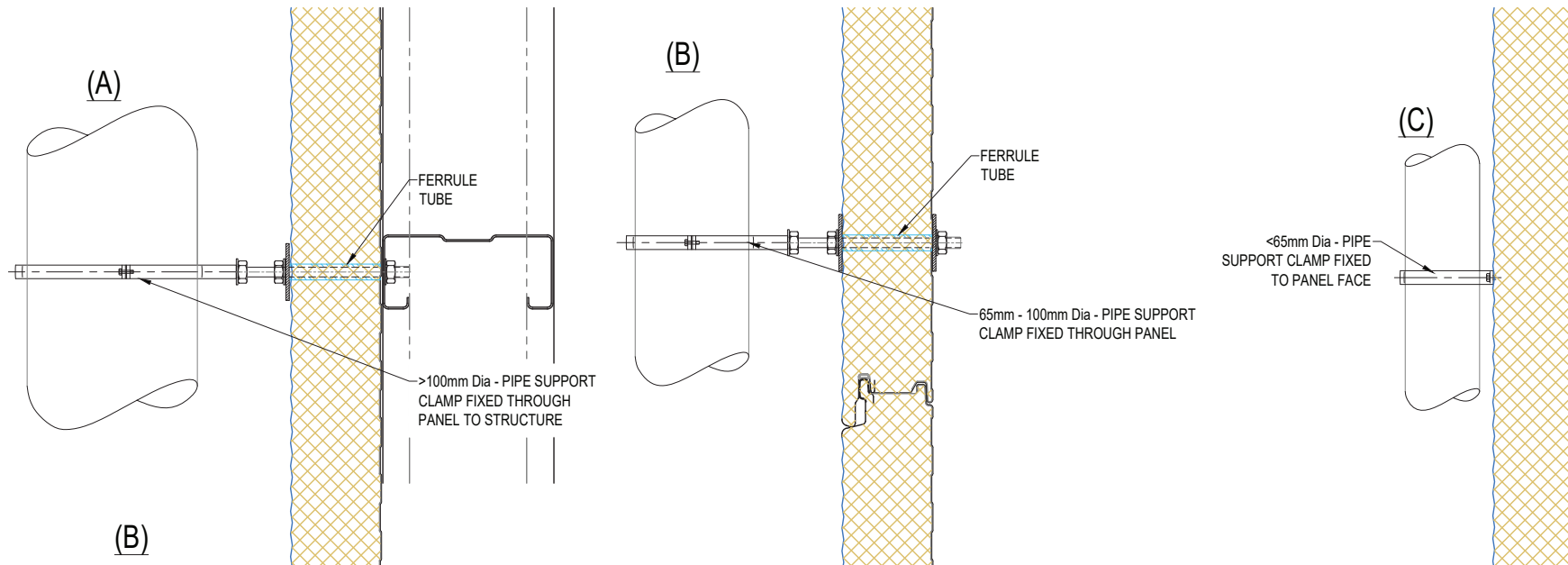


PIPE WEIGHTS ARE INDICATIVE ONLY.

FOR LIGHT PIPES; THE FORCE APPLIED TO THE CONNECTION SHOULD NOT EXCEED 0.3kN.

FOR MEDIUM WEIGHT PIPES; THE FORCE APPLIED SHOULD NOT EXCEED 2.8kN AND THE PANEL SPAN NEEDS TO BE CHECKED BASED IN THE NEW POINT LOAD.

FIX DOWN-PIPES & OTHER ANCILLARY ITEMS THROUGH PANEL WITH A SUPPORT FERRULE TO PREVENT COMPRESSION OF THE PANEL CORE (EXAMPLE ONLY. DETAIL DESIGN BY OTHERS)



SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION PIPE SUPPORT DETAILS		
APPROVED BY JS	DATE 08. 03. 24.	REVISION -
DRG REF: AWP_HS_50	SCALE NTS	PAPER SIZE A4

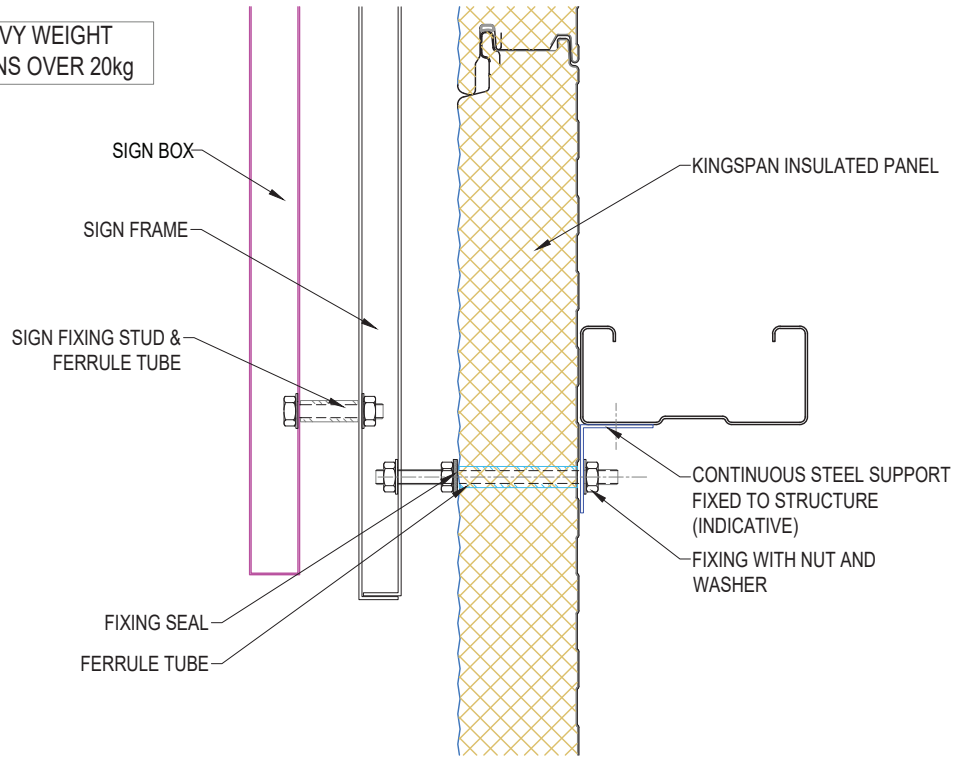
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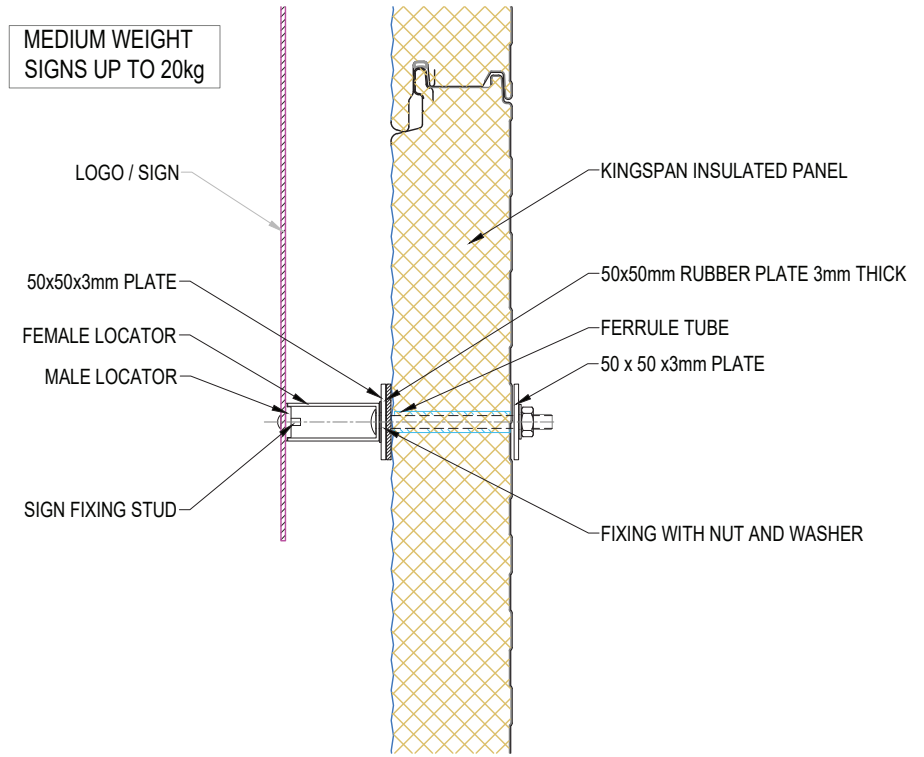
New Zealand: Kingspan Ltd  
97 Montreal St, Christchurch, Tel: 03 260 5530, Freephone: 0800 121280  
email: info@kingspanpanels.co.nz www.kingspanpanels.co.nz

# PIPE SUPPORT DETAILS

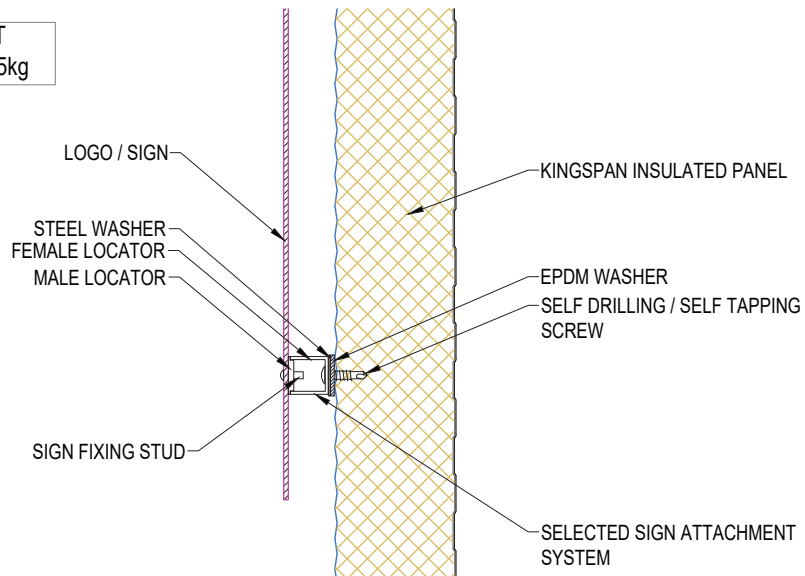
HEAVY WEIGHT  
SIGNS OVER 20kg



MEDIUM WEIGHT  
SIGNS UP TO 20kg



LIGHT WEIGHT  
SIGNS UP TO 5kg



SIGN WEIGHTS ARE INDICATIVE ONLY.

FOR LIGHT SIGNS; THE FORCE APPLIED TO THE CONNECTION SHOULD NOT EXCEED 0.3kN.

FOR MEDIUM WEIGHT SIGNS; THE FORCE APPLIED SHOULD NOT EXCEED 2.8kN AND THE PANEL SPAN NEEDS TO BE CHECKED BASED IN THE NEW POINT LOAD.

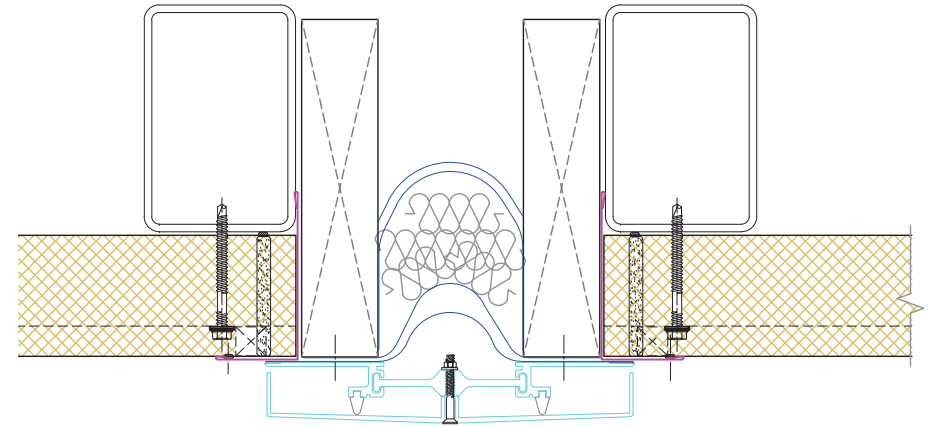
NOTE: IT IS THE INSTALLER'S RESPONSIBILITY TO ENSURE THAT SIGN MATERIALS AND FIXINGS ARE COMPATIBLE WITH KINGSPAN PANELS

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION PIPE SUPPORT DETAILS		
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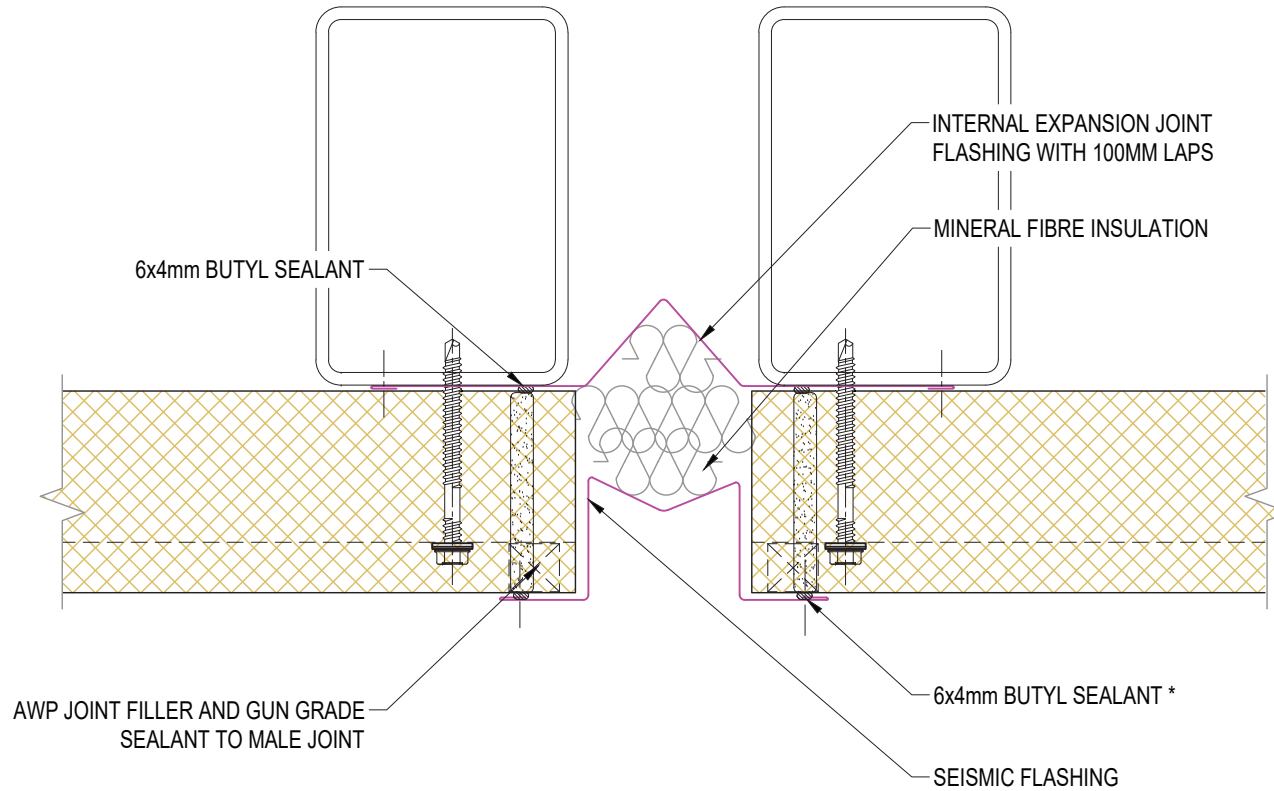
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# KS1000AWP WALL SEISMIC JOINT DETAIL



KS1000AWP HORIZONTAL SEISMIC UNIT  
(REFER SUPPLIER FOR DETAILS)



6x4mm BUTYL SEALANT

INTERNAL EXPANSION JOINT  
FLASHING WITH 100MM LAPS

MINERAL FIBRE INSULATION

AWP JOINT FILLER AND GUN GRADE  
SEALANT TO MALE JOINT

6x4mm BUTYL SEALANT \*

SEISMIC FLASHING

\* Note:  
Where flashings cross the WV (Wave)  
profile use 9 x 6mm thick PVC foam -  
Not 6x4mm diameter butyl rubber sealant

SYSTEM KS1000AWP WALL HORIZONTAL_STD Q1 2024		
DESCRIPTION KS1000AWP WALL SEISMIC JOINT DETAIL		
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