

COVER SHEET

File - KS1000 RW_STD WALL_VERTICAL Q4_2023				
DATE	DETAIL NAME	DRG_REF	REVISION	APPROVED
16.11.23	COVER SHEET	RW_VS_01	-	JS
16.11.23	KS1000RW WALL PANEL DIMENSIONS	RW_VS_02	-	JS
16.11.23	PRIMARY STRUCTURE OPTIONS	RW_VS_03	-	JS
16.11.23	PANEL FIXING LOCATIONS	RW_VS_04	-	JS
16.11.23	PANEL LAP DETAILS	RW_VS_05	-	JS
16.11.23	BASE DETAILS 1	RW_VS_06	-	JS
16.11.23	BASE DETAILS 2	RW_VS_07	-	JS
16.11.23	BASE DETAIL 3	RW_VS_08	-	JS
16.11.23	BASE DETAILS 4	RW_VS_09	-	JS
16.11.23	BASE DETAIL 5	RW_VS_10	-	JS
16.11.23	BASE DETAIL 6	RW_VS_11	-	JS
16.11.23	BASE DETAIL 7	RW_VS_12	-	JS
16.11.23	NIB DETAIL 1	RW_VS_13	-	JS
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16.11.23	VERGE DETAIL 3	RW_VS_29	-	JS
16.11.23	WINDOW HEAD DETAIL	RW_VS_30	-	JS
16.11.23	PERSONNEL DOOR DETAIL	RW_VS_31	-	JS
16.11.23	OVERHEAD DOOR DETAIL	RW_VS_32	-	JS
16.11.23	OVERHEAD DOOR DETAIL - 2	RW_VS_33	-	JS
16.11.23	LOUvre DETAIL	RW_VS_34	-	JS
16.11.23	PIPE PENETRATION DETAIL	RW_VS_35	-	JS
16.11.23	PIPE PENETRATION SUPPORT DETAIL	RW_VS_36	-	JS
16.11.23	KS1100 CS GUTTER KS1000RW ROOF & VERTICAL WALL	RW_VS_37	-	JS
16.11.23	EAVES GUTTER DETAIL	RW_VS_38	-	JS
16.11.23	EAVES GUTTER DETAIL - 2	RW_VS_39	-	JS
16.11.23	EAVES GUTTER DETAIL - 3	RW_VS_40	-	JS
16.11.23	PLASTER-BOARD PARTITION DETAIL	RW_VS_41	-	JS
16.11.23	SIGNAGE SUPPORT DETAILS HORIZ. SECTION	RW_VS_42	-	JS
16.11.23	DOWN-PIPE SUPPORT DETAIL	RW_VS_43	-	JS

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
KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG

DESCRIPTION
COVER SHEET

APPROVED BY JS	DATE 16.11.23	REVISION -
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DRG REF: RW_VS_01	SCALE 1:1	sheet --	PAPER SIZE A4
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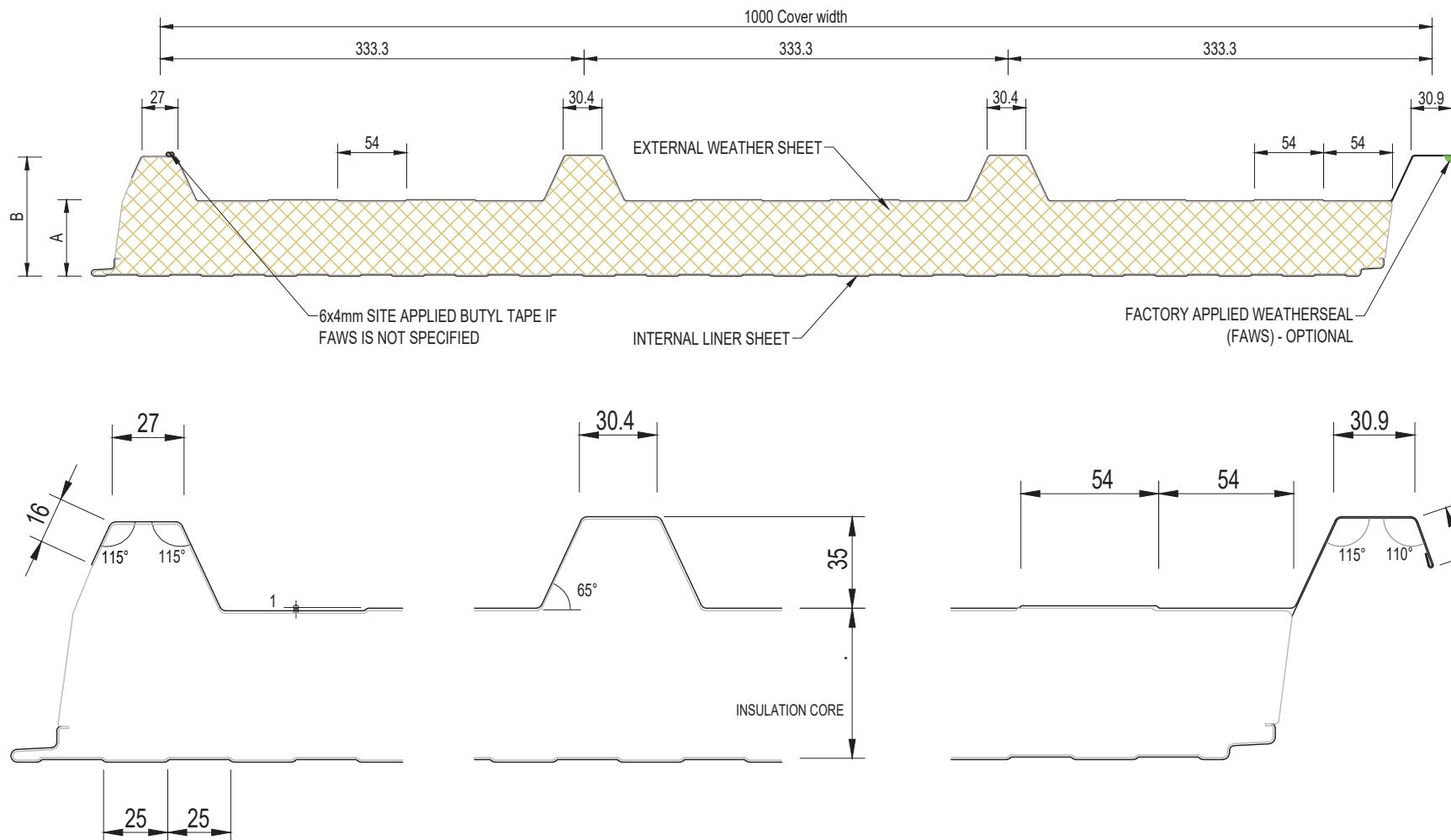
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KS1000RW WALL PANEL DIMENSIONS

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



Product Tolerances	
Length < 3 m	±5 mm
Length > 3 m	±10 mm
Cover Width	±2 mm
Thickness < 100 mm	±2 mm
Thickness > 100 mm	±2%
Squareness	≤ 0.6% of width

SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION KS1000RW WALL PANEL DIMENSIONS		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_02	SCALE 1:5	SHEET -- PAPER SIZE A4

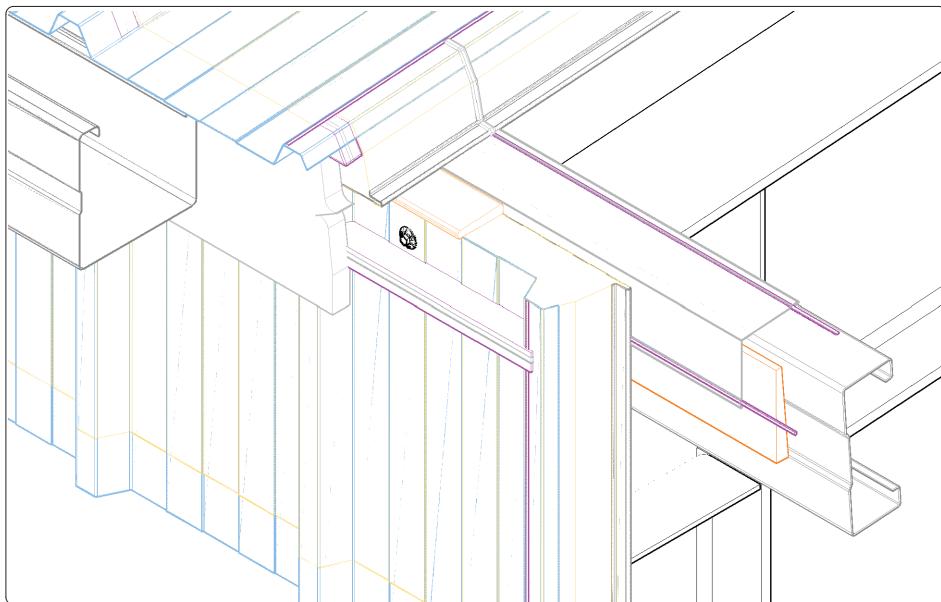
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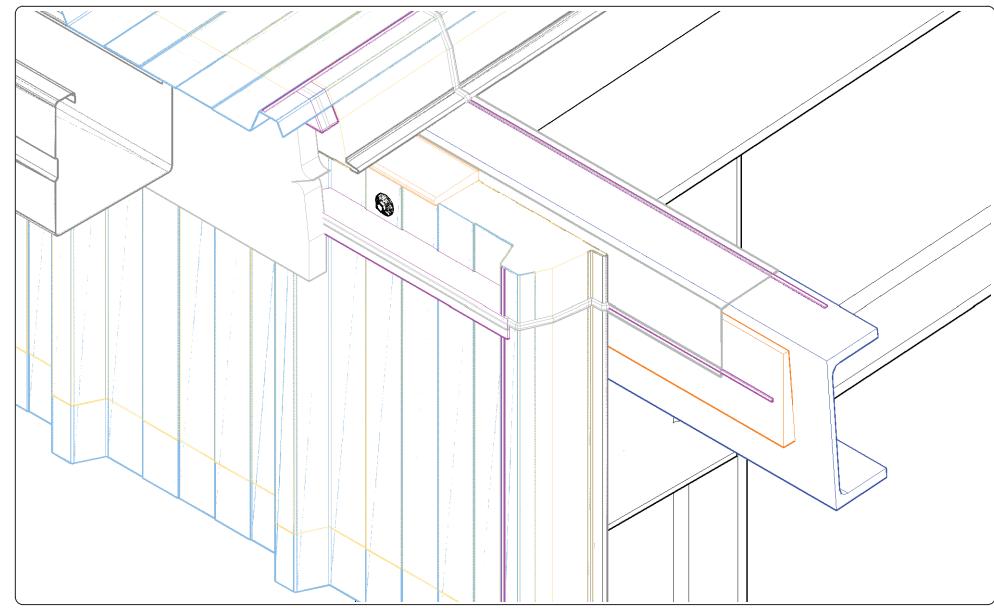


AVAILABLE PANEL THICKNESSES						
A- Core Thickness (mm)	40.00	60.00	70.00	100.00	120.00	140.00
B- Overall Dimension (mm)	75.00	95.00	105.00	135.00	155.00	175.00

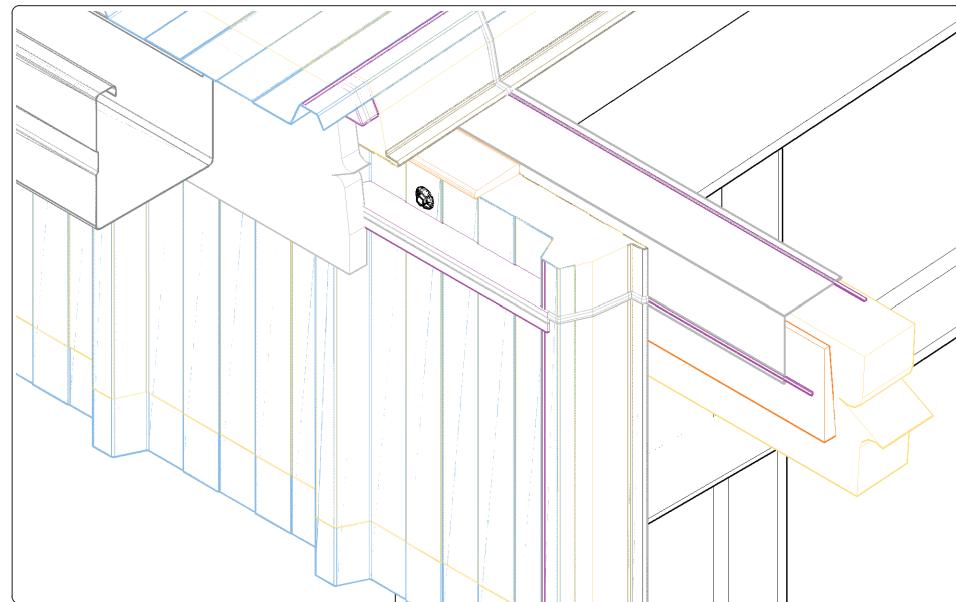
PRIMARY STRUCTURE OPTIONS



KS1000RW FIXED TO LIGHT STEEL FRAME



KS1000RW FIXED TO HEAVY STEEL FRAME



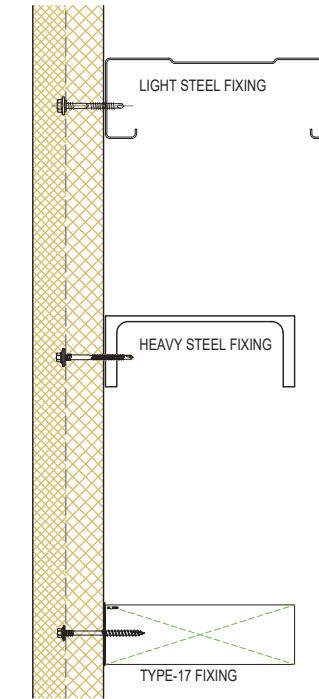
KS1000RW FIXED TO TIMBER FRAME

RW_VS_01

FIX TO LIGHT STEEL
STRUCTURE

FIX TO HEAVY STEEL
STRUCTURE

FIX TO TIMBER
STRUCTURE



SYSTEM
KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG

DESCRIPTION
PRIMARY STRUCTURE OPTIONS

APPROVED BY	DATE	REVISION	
JS	16.11.23	-	
DRG REF:	SCALE	SHEET	PAPER SIZE
RW_VS_03	1:8	--	A3

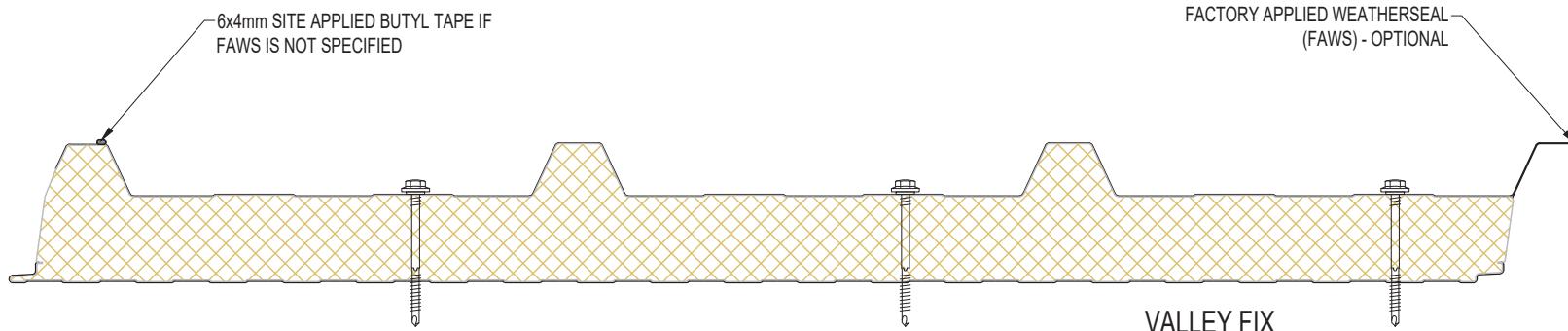
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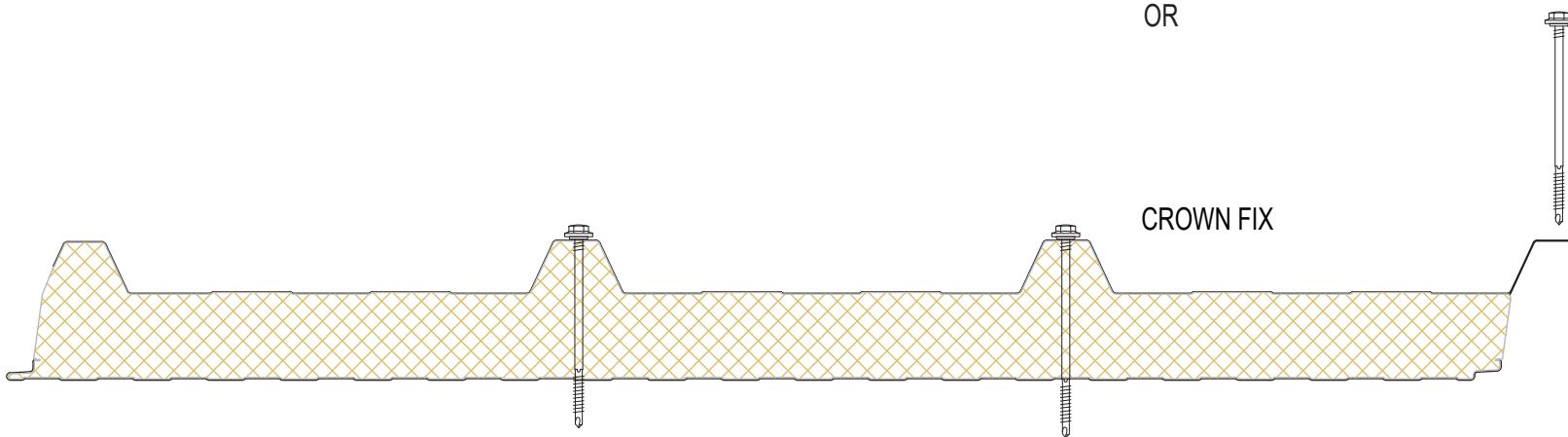


PANEL FIXING LOCATIONS

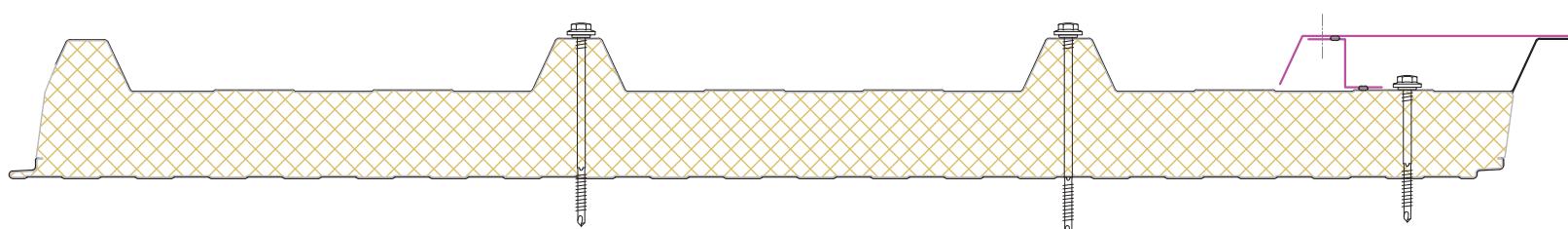
THE NUMBER OF FIXINGS & FIXING TYPE TO BE DETERMINED BY THE DESIGNER.
REFER FIXING MANUFACTURER FOR FIXING INTO LIGHT STEEL, HEAVY STEEL OR
TIMBER. MINIMUM WASHER SIZE TO BE 19mm. FASTENERS TO BE CLASS 4 OR BETTER.



OR



CROWN WITH VALLEY (UNDER FLASHINGS)



SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION PANEL FIXING LOCATIONS		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_04	SCALE 1:5	SHEET --
PAPER SIZE A4		

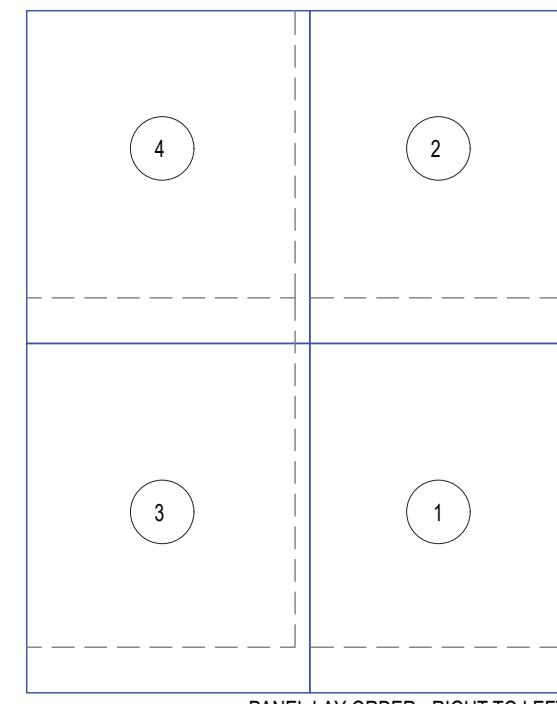
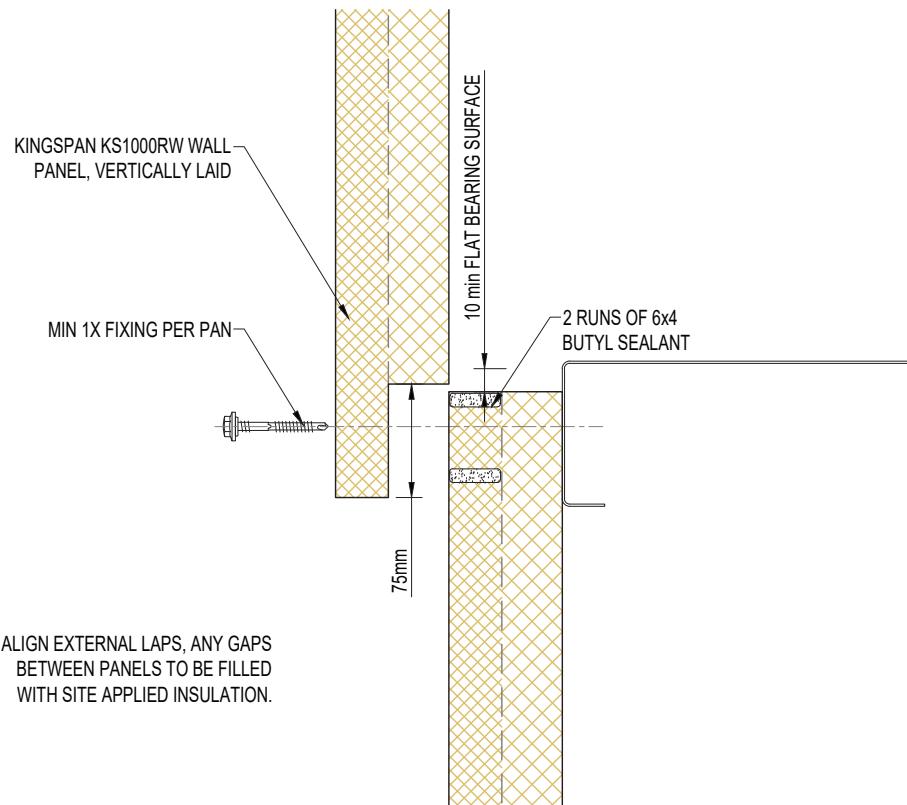
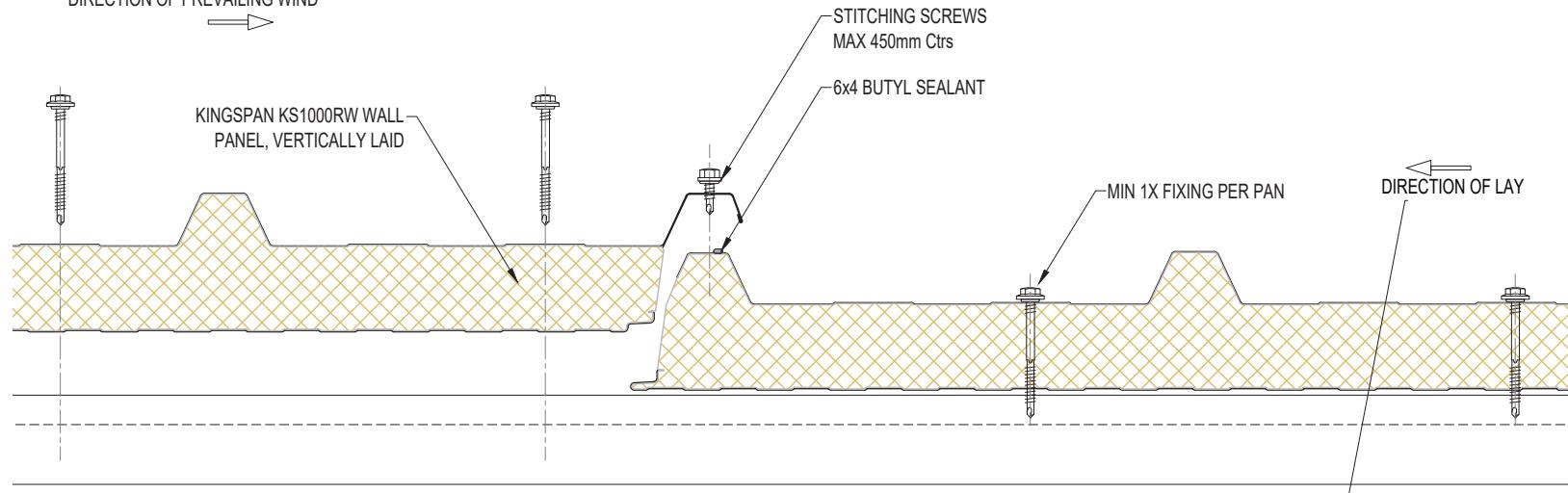
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PANEL LAP DETAILS

TYPICALLY, LAY AGAINST THE DIRECTION OF PREVAILING WIND



TO ENSURE CORRECT PANEL INSTALLATION, WALL STRUCTURAL SUPPORTS MUST BE CORRECTLY ALIGNED PRIOR TO INSERTION OF FIXINGS.

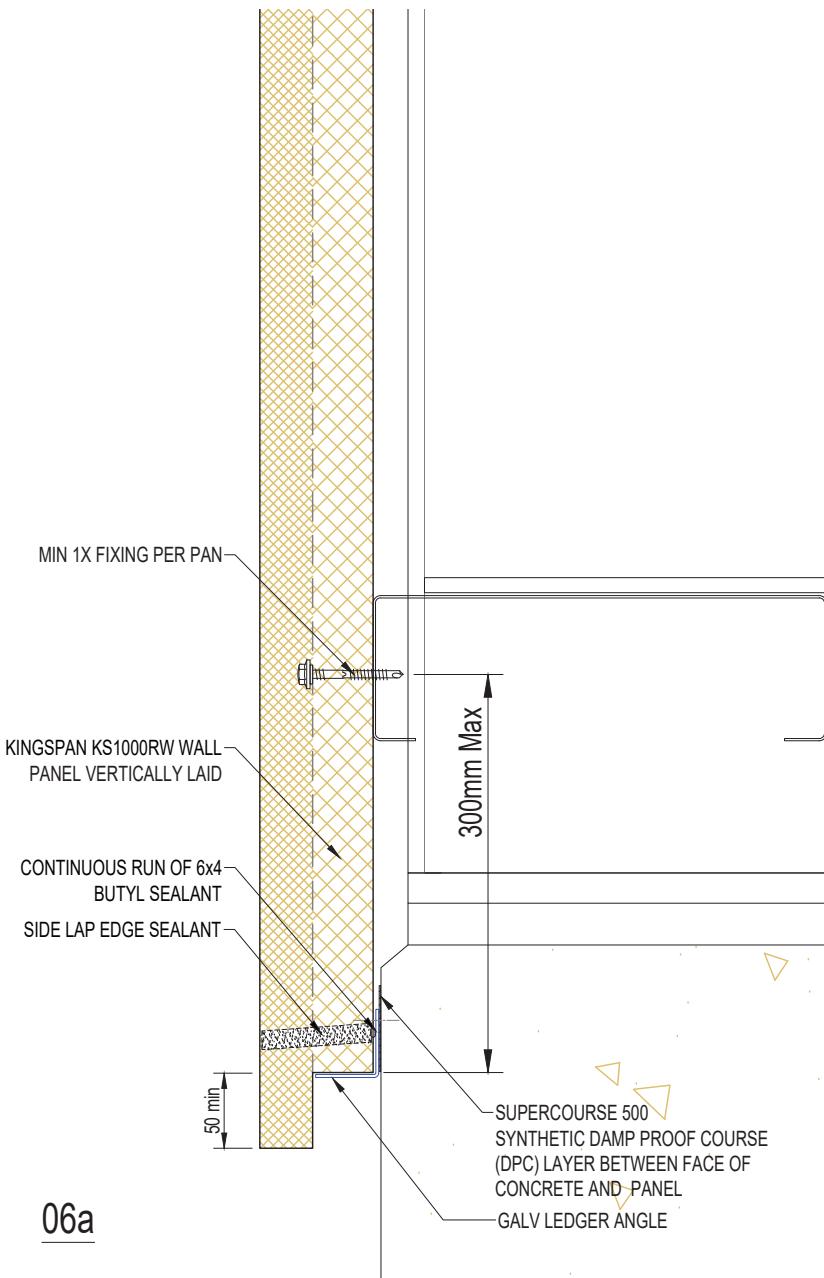
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG			
DESCRIPTION PANEL LAP DETAILS			
APPROVED BY JS	DATE 16.11.23	REVISION -	
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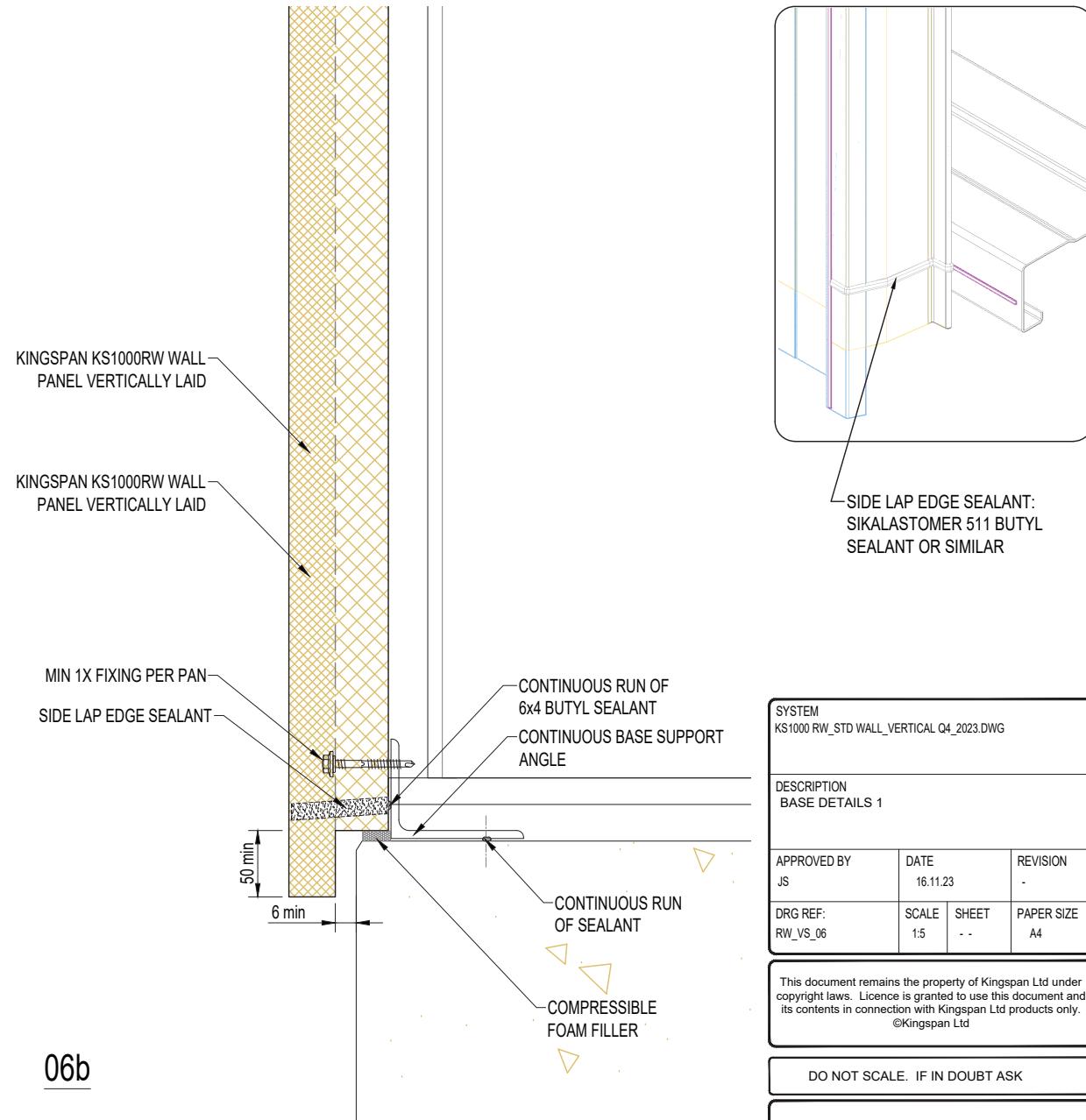
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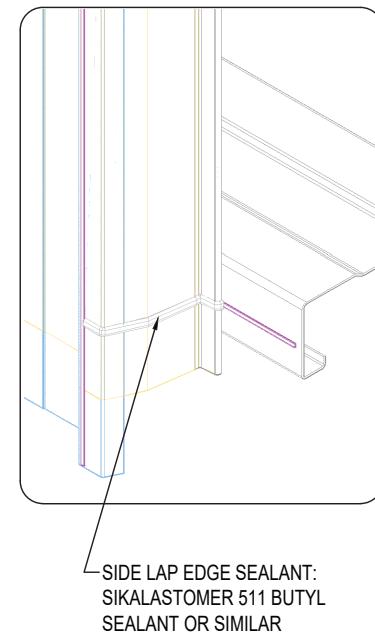
BASE DETAILS 1



06a



06b



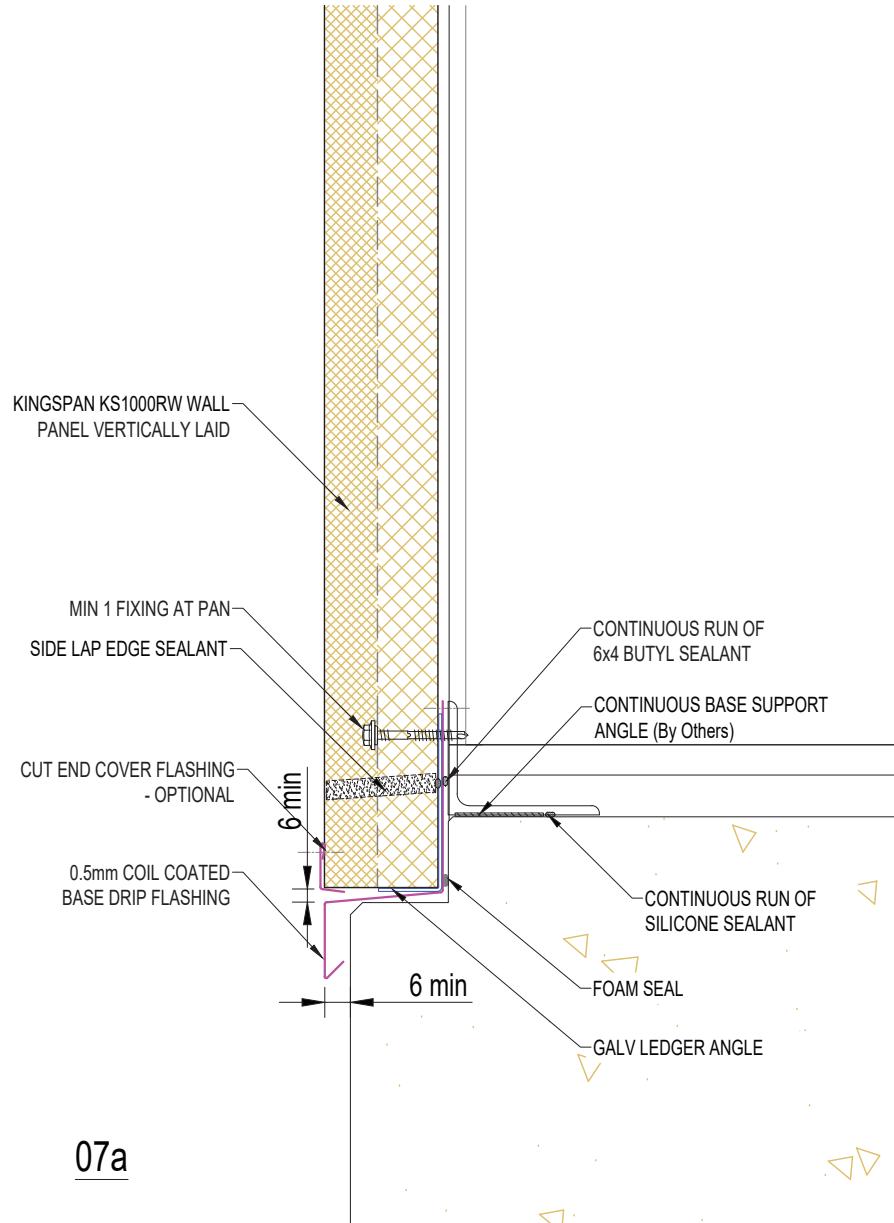
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION BASE DETAILS 1		
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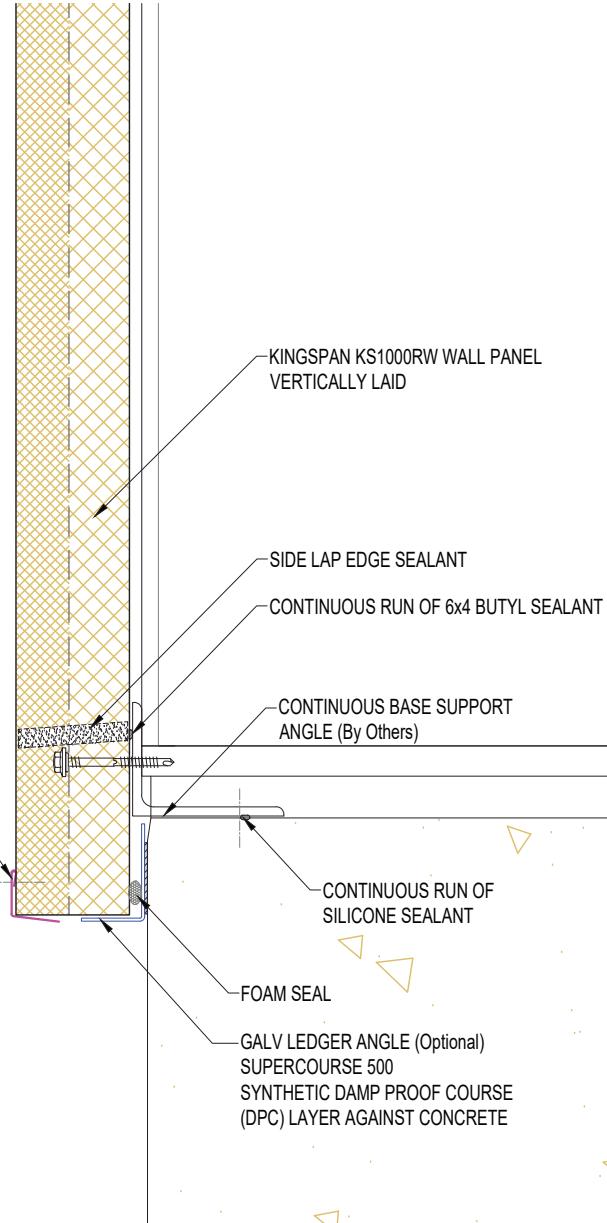
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BASE DETAILS 2



07b



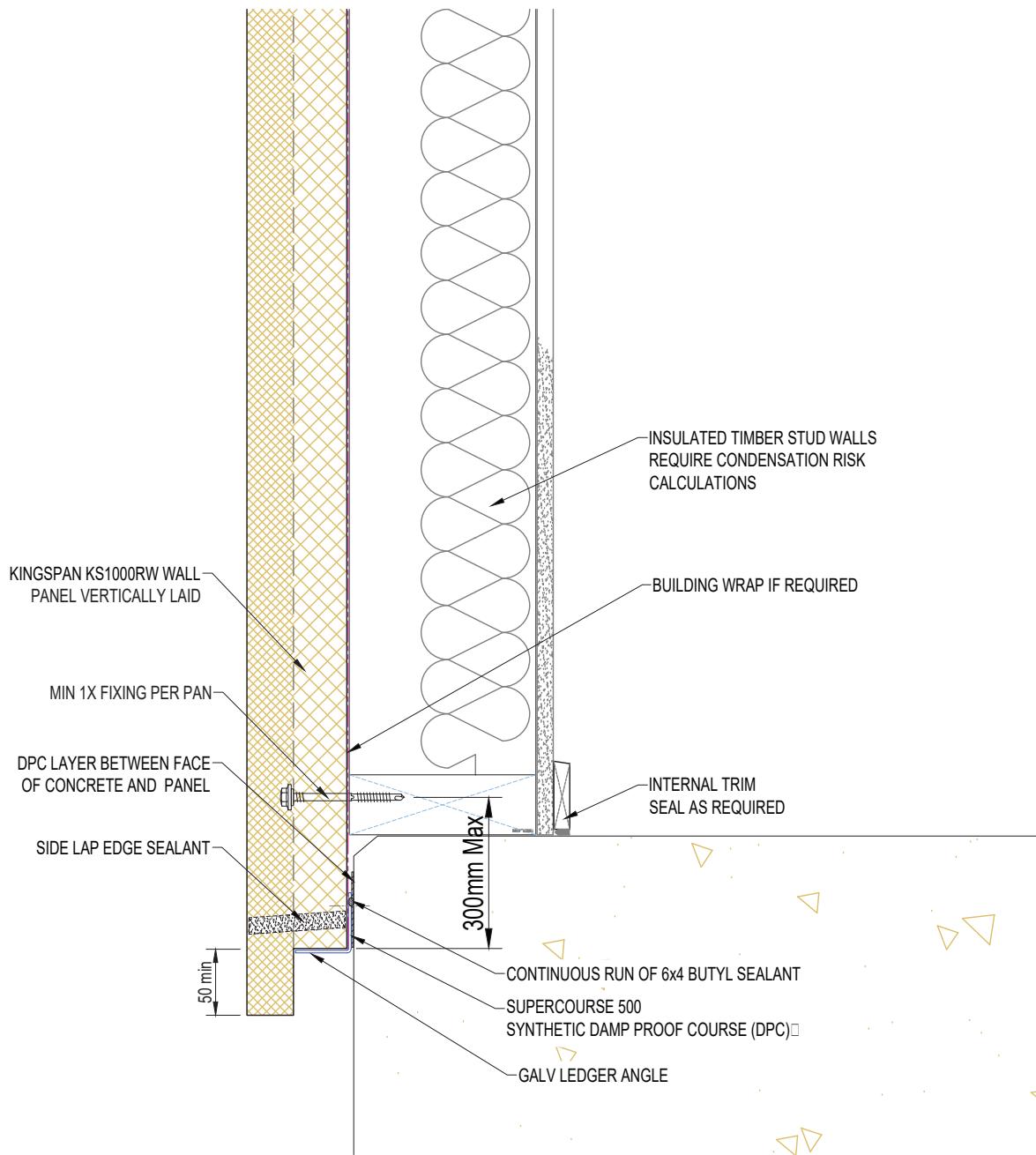
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DESCRIPTION BASE DETAILS 2			
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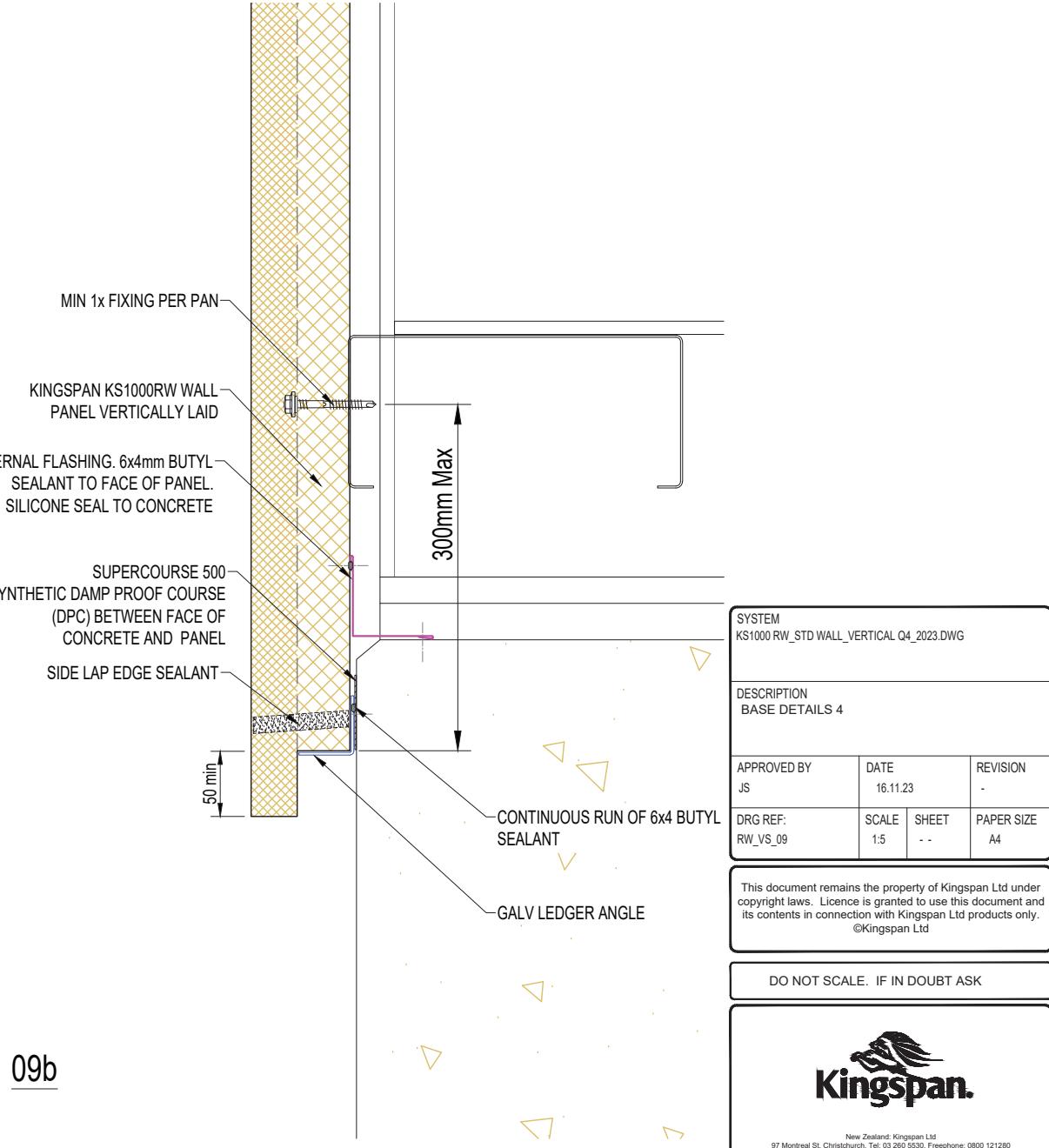
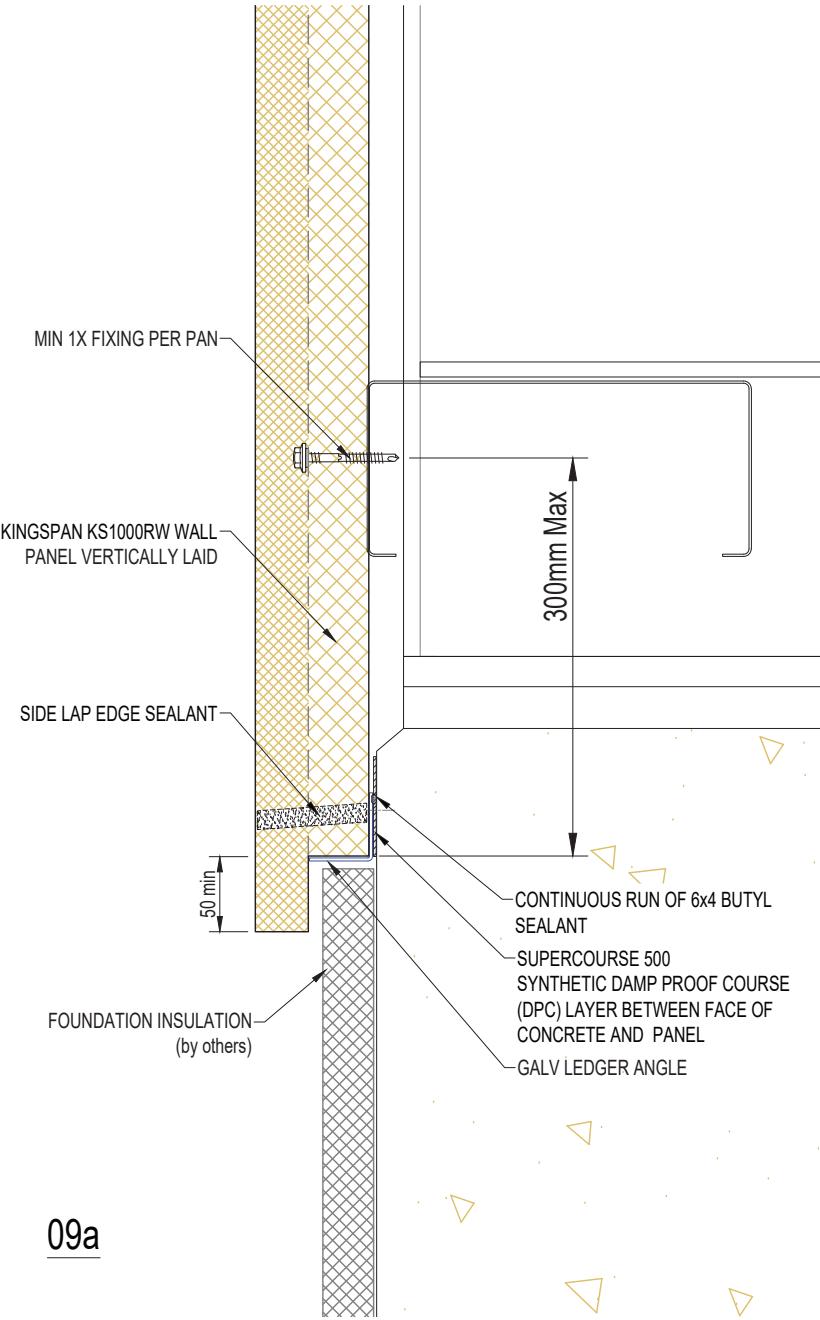


BASE DETAIL 3

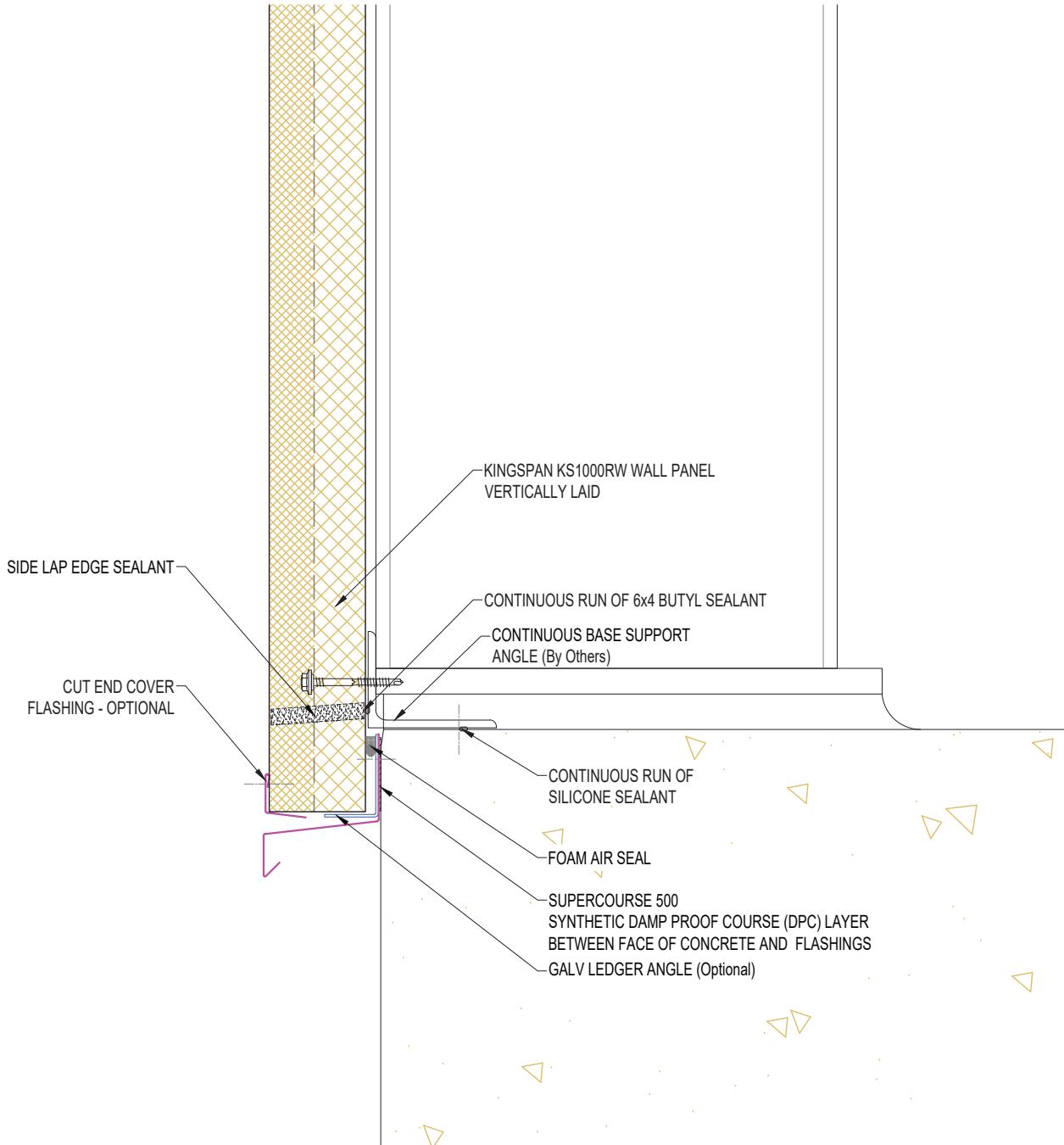


SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION BASE DETAIL 3		
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BASE DETAILS 4



BASE DETAIL 5



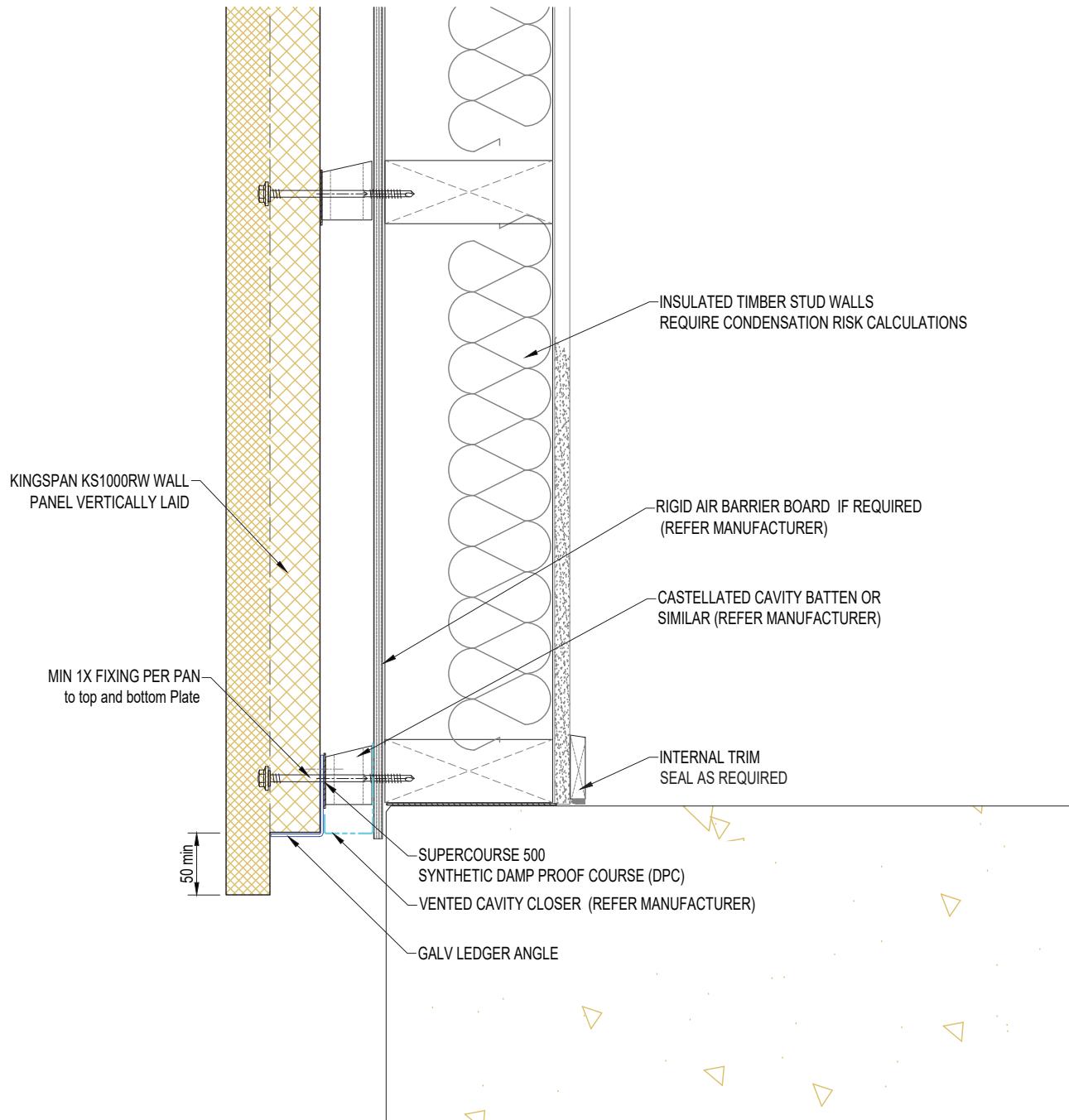
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION BASE DETAIL 5		
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BASE DETAIL 6



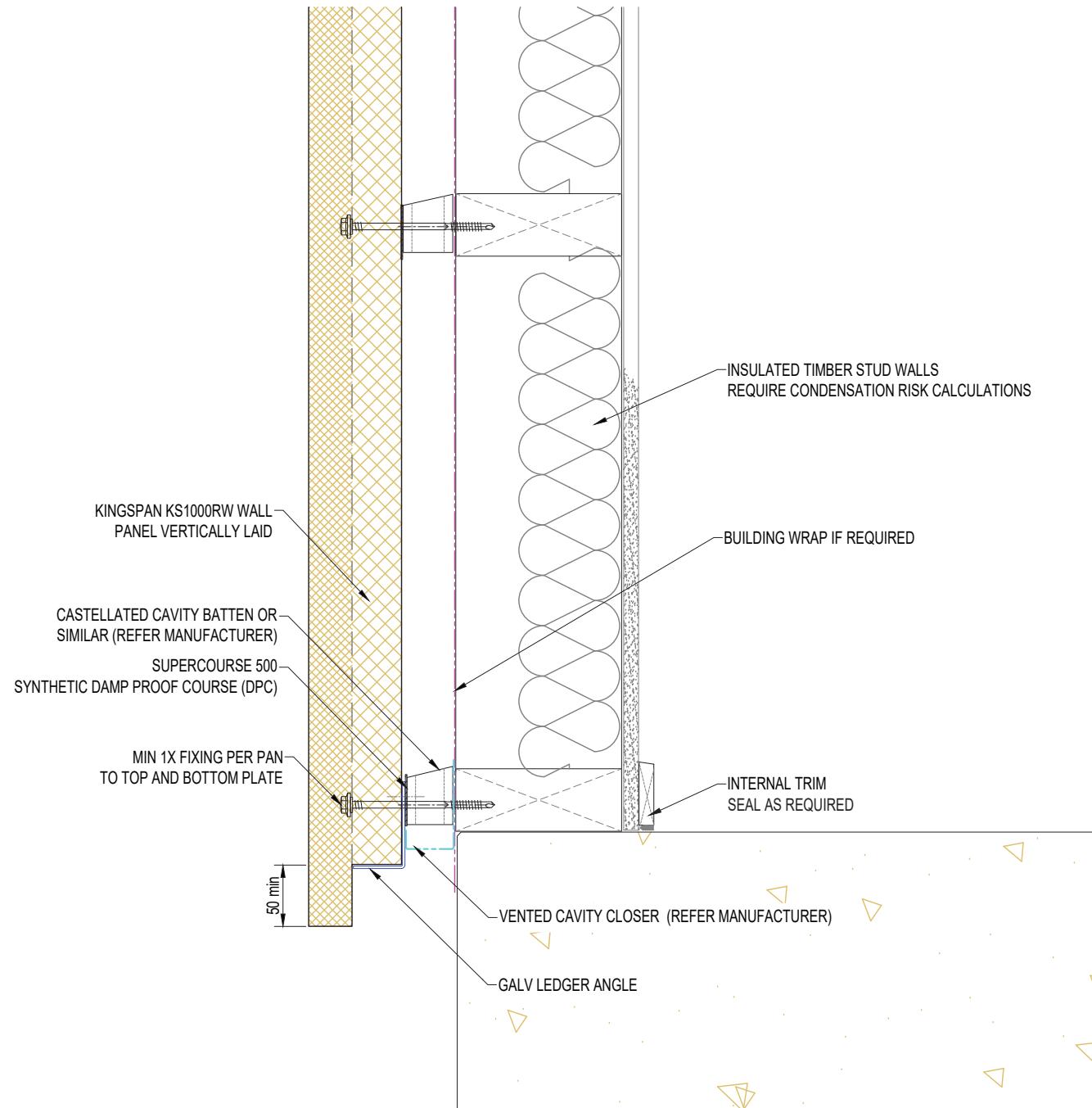
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APPROVED BY JS	DATE 16.11.23	REVISION -
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BASE DETAIL 7



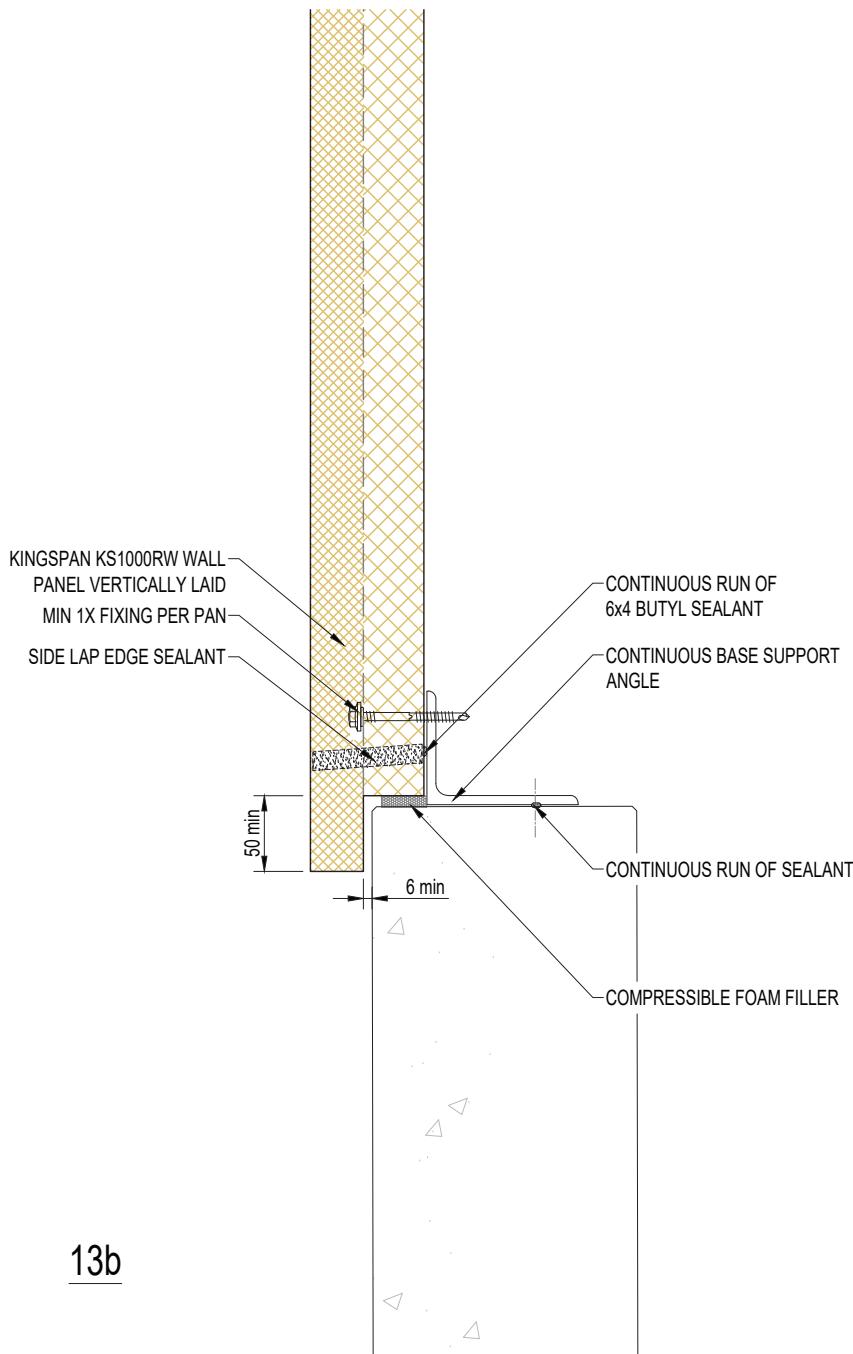
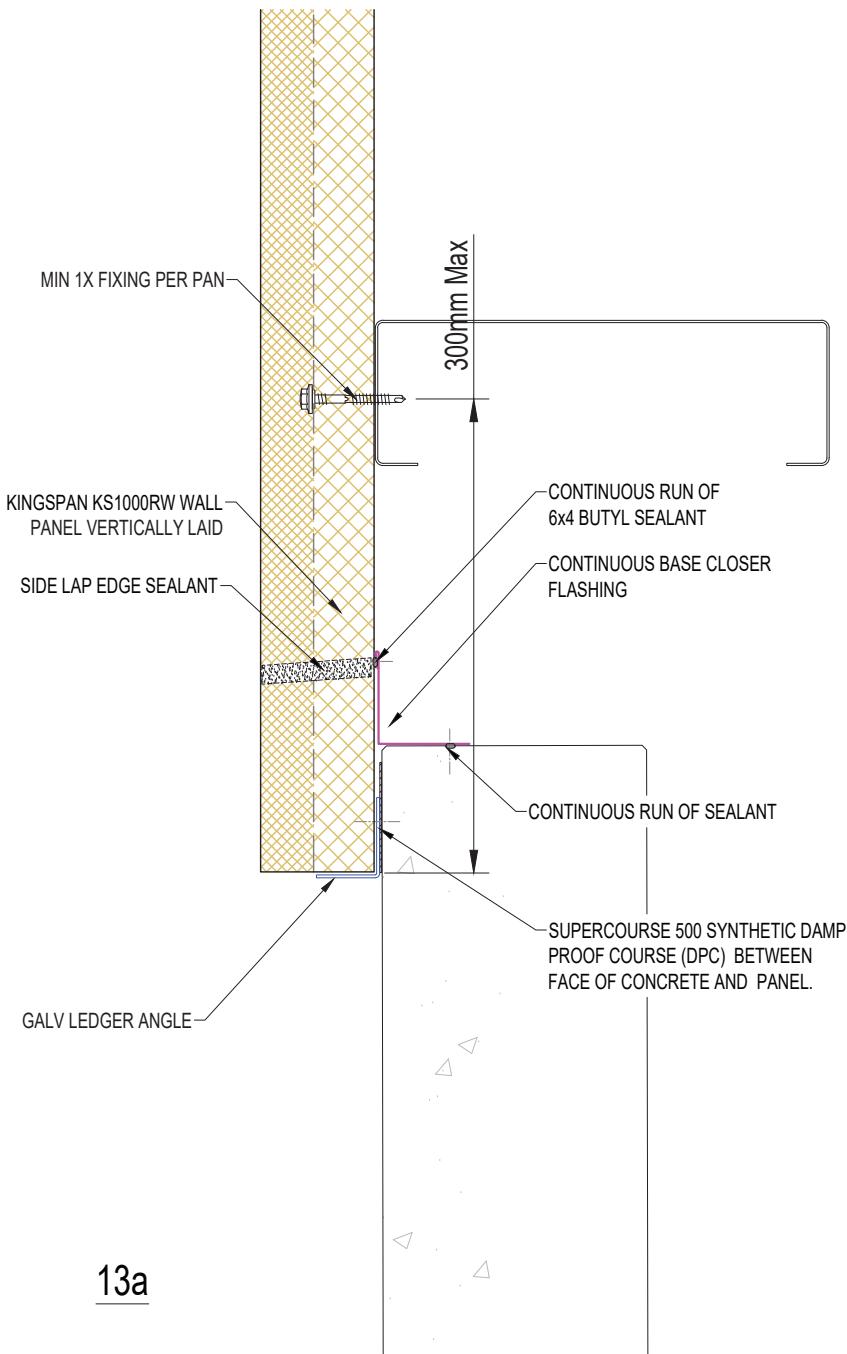
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DESCRIPTION BASE DETAIL 7		
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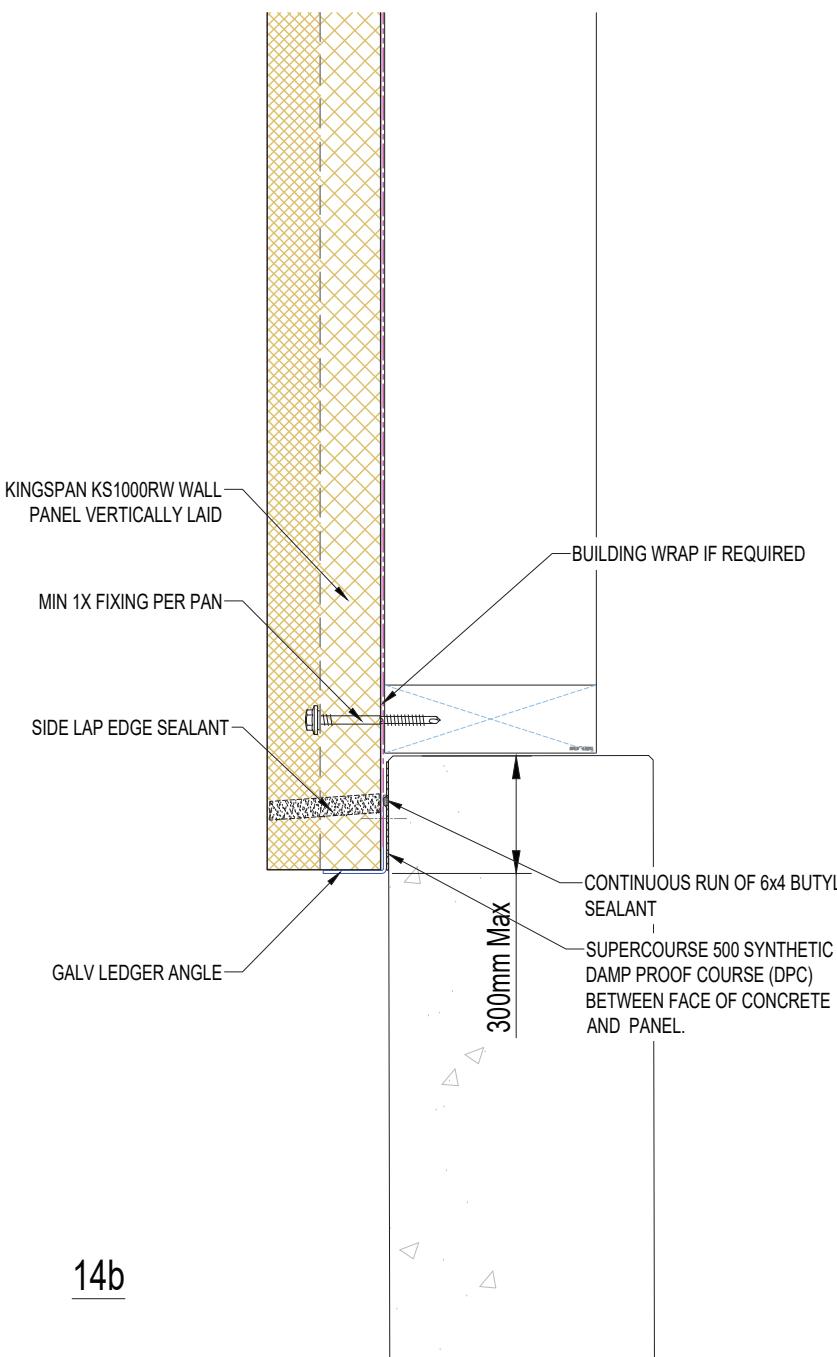
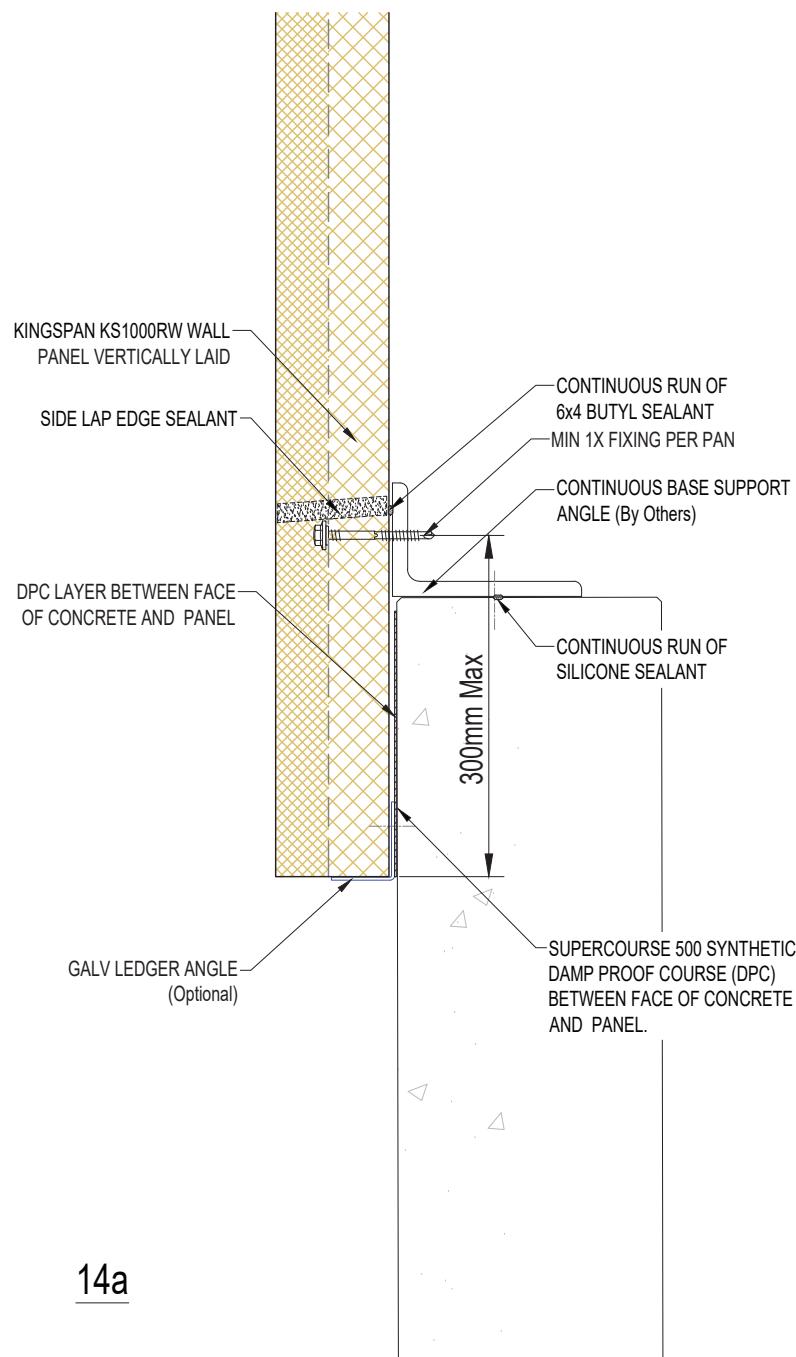
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DESCRIPTION NIB DETAIL 1			
APPROVED BY JS	DATE 16.11.23	REVISION -	
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NIB DETAIL 2



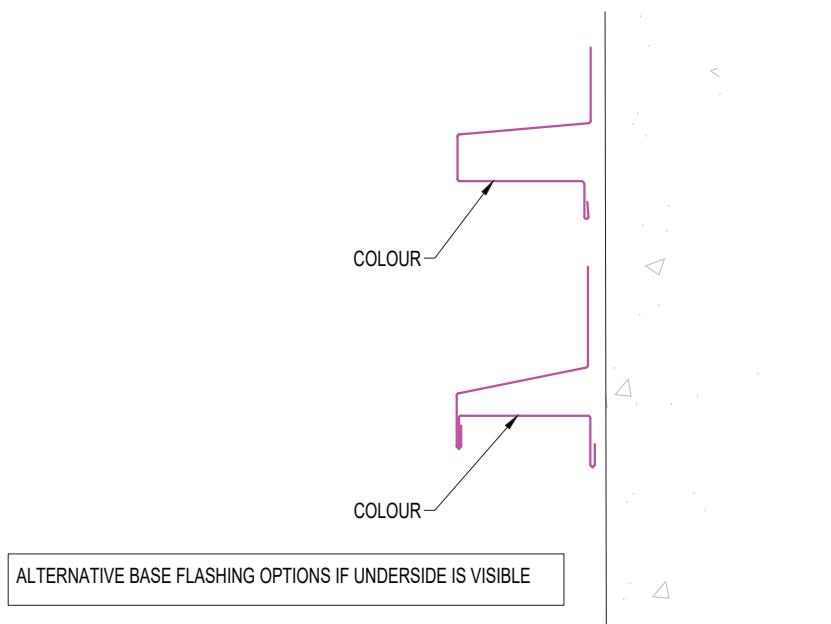
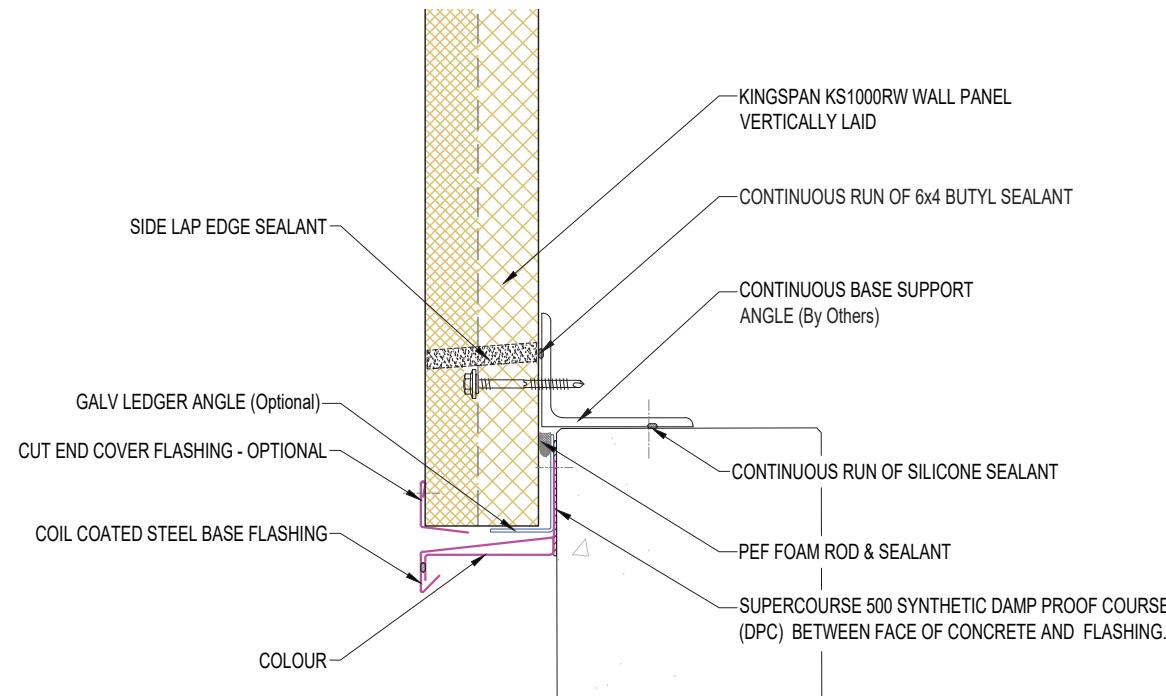
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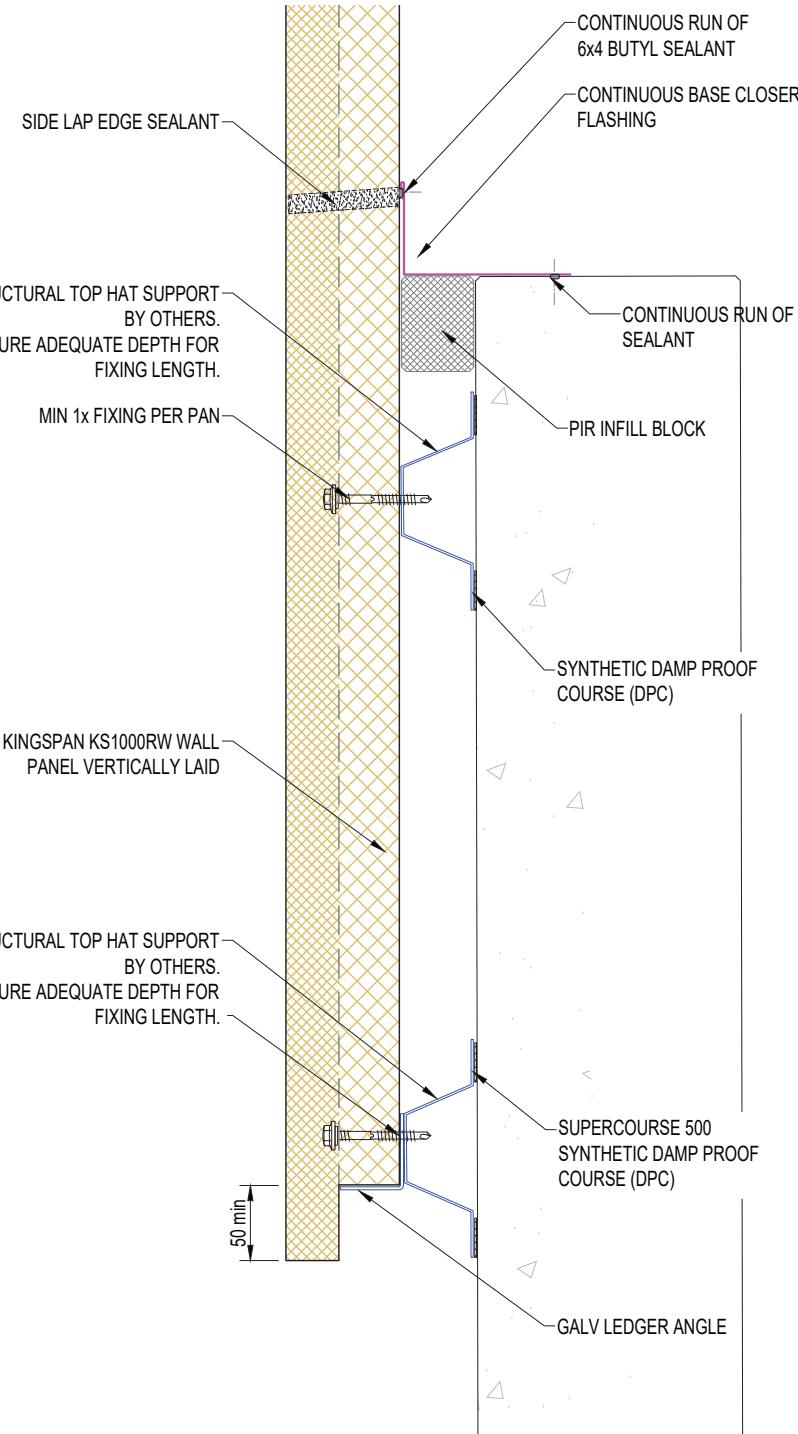
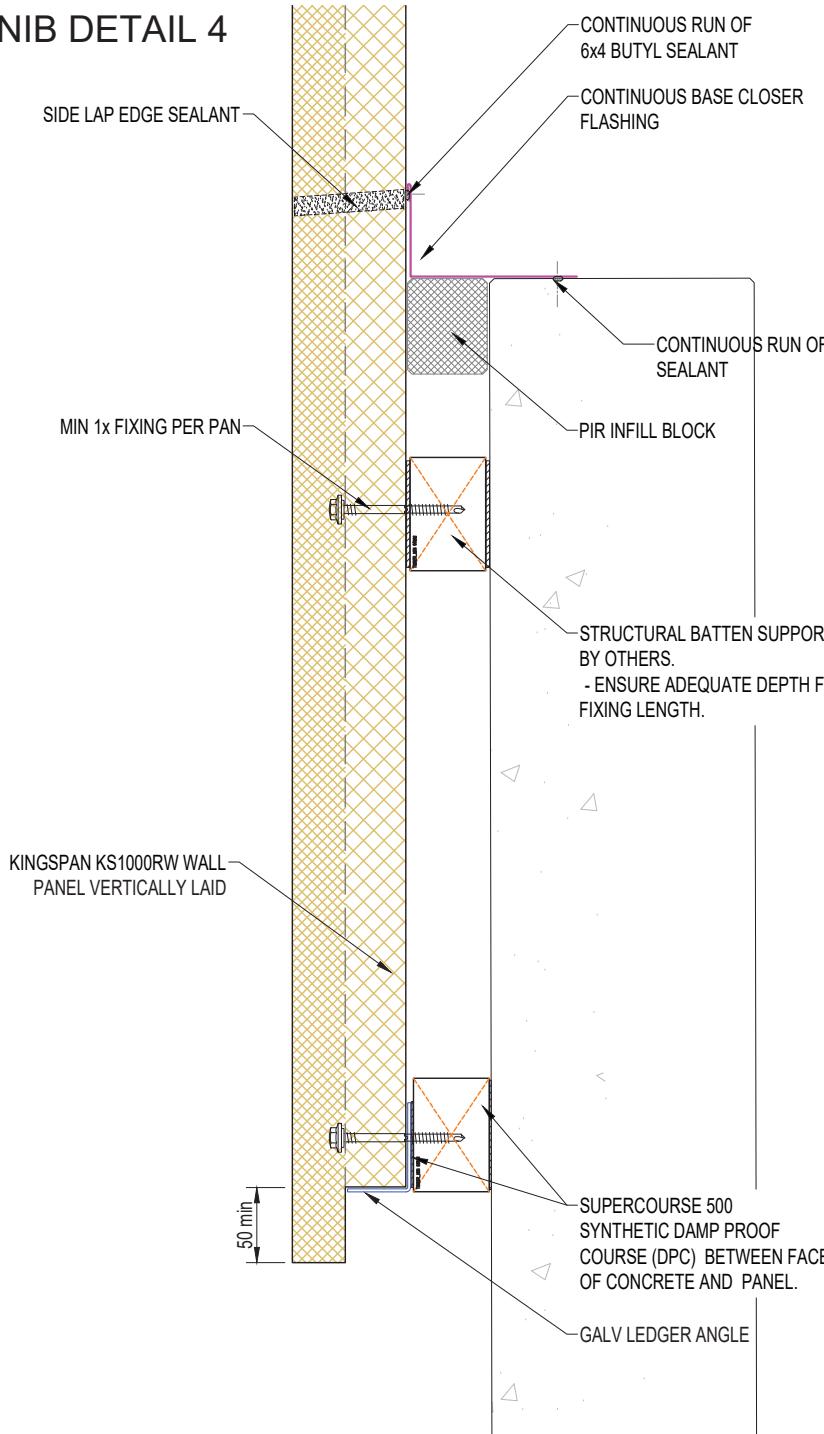


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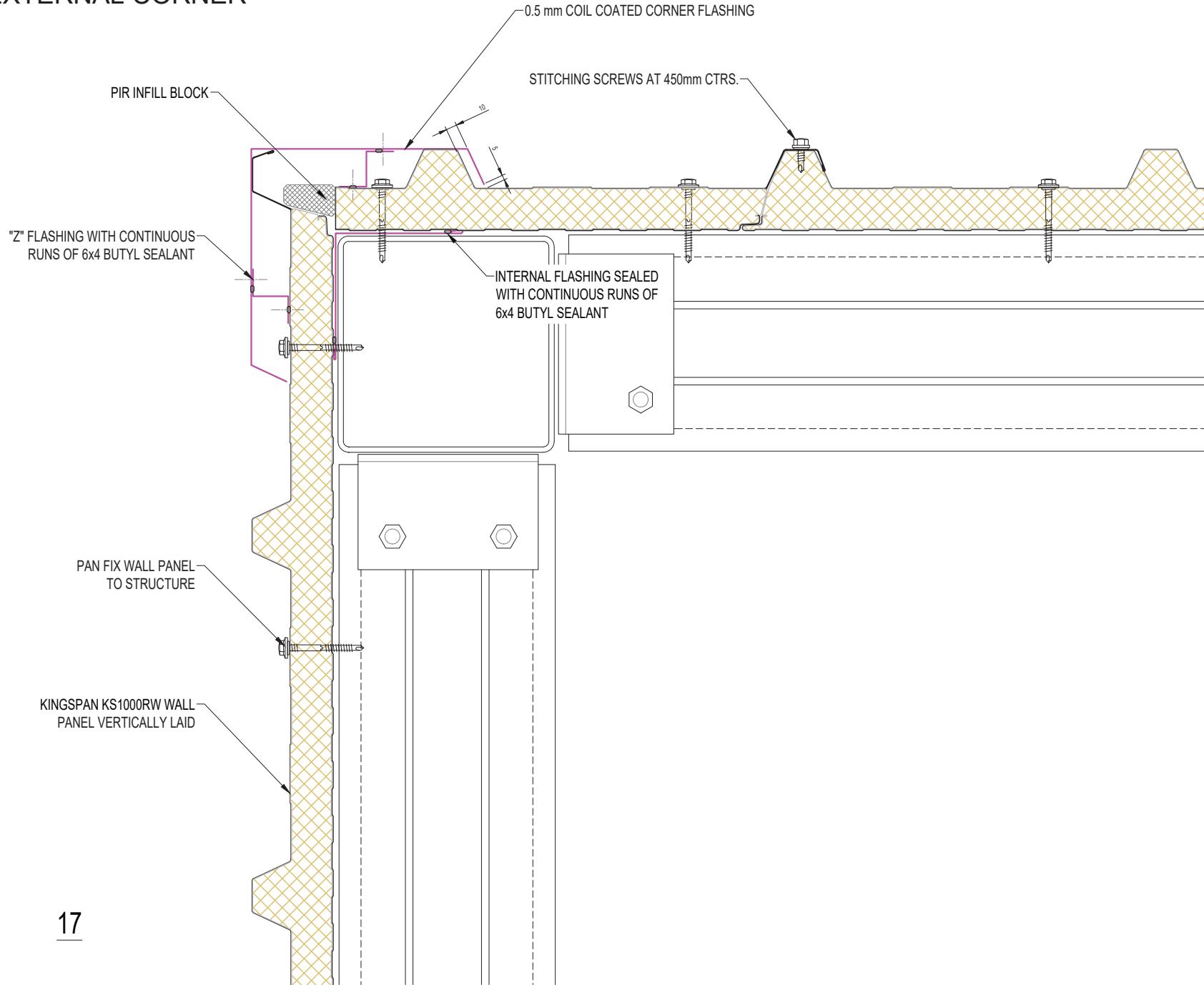
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NIB DETAIL 4



SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
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EXTERNAL CORNER



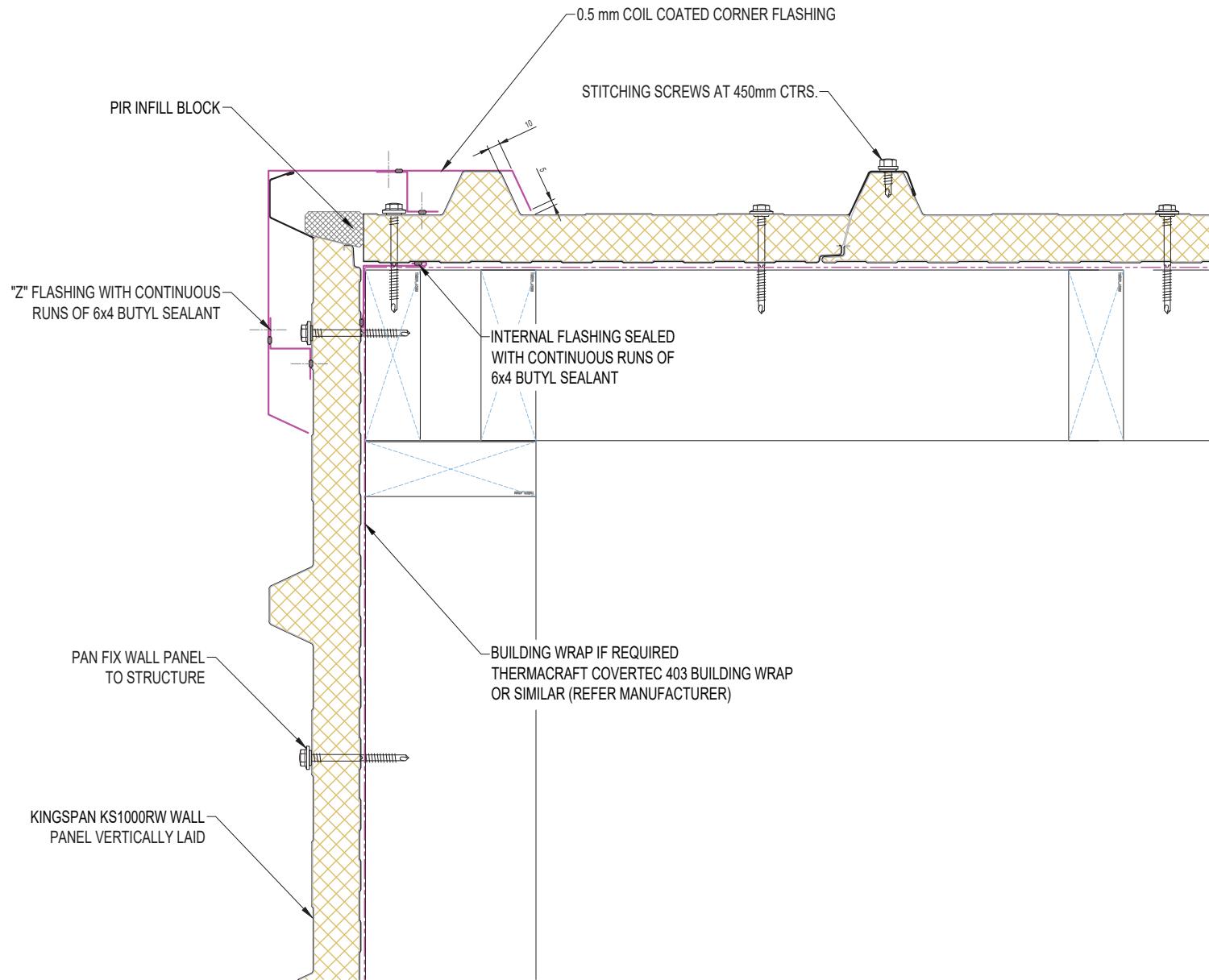
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DESCRIPTION EXTERNAL CORNER		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_17	SCALE 1:5	SHEET --

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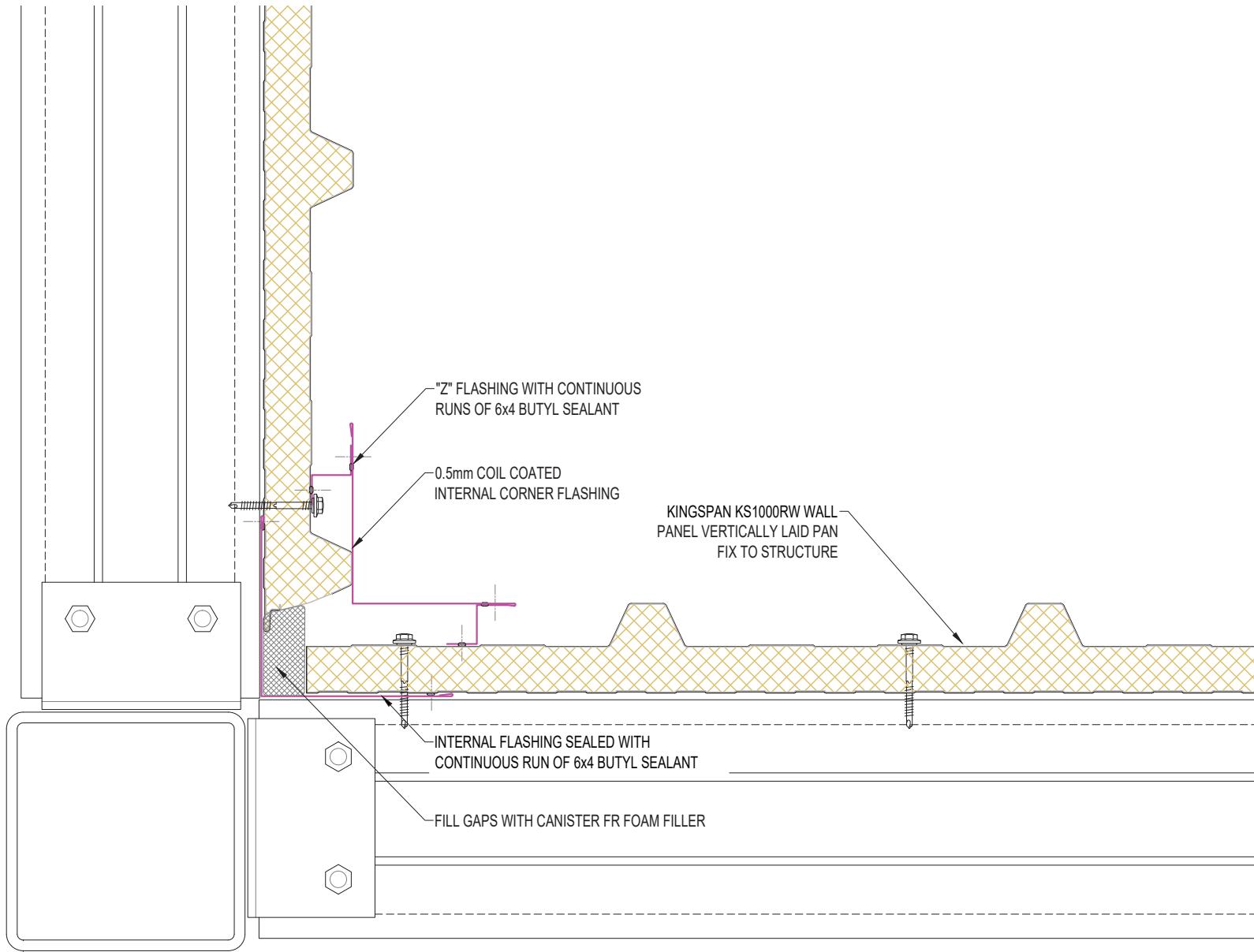
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EXTERNAL CORNER- TIMBER FRAME



INTERNAL CORNER - 1



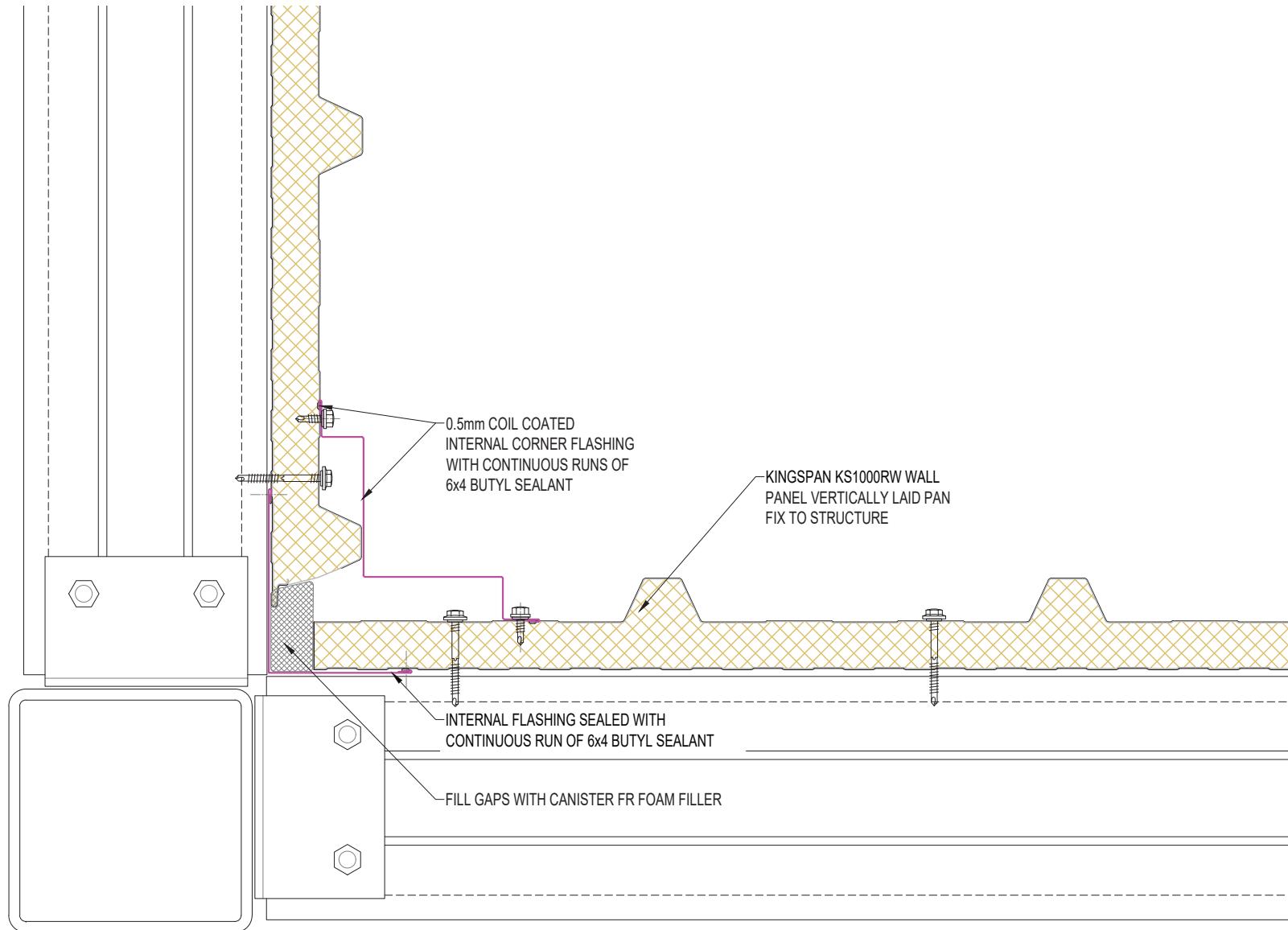
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION INTERNAL CORNER - 1		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_19	SCALE 1:5	SHEET --

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INTERNAL CORNER - 2



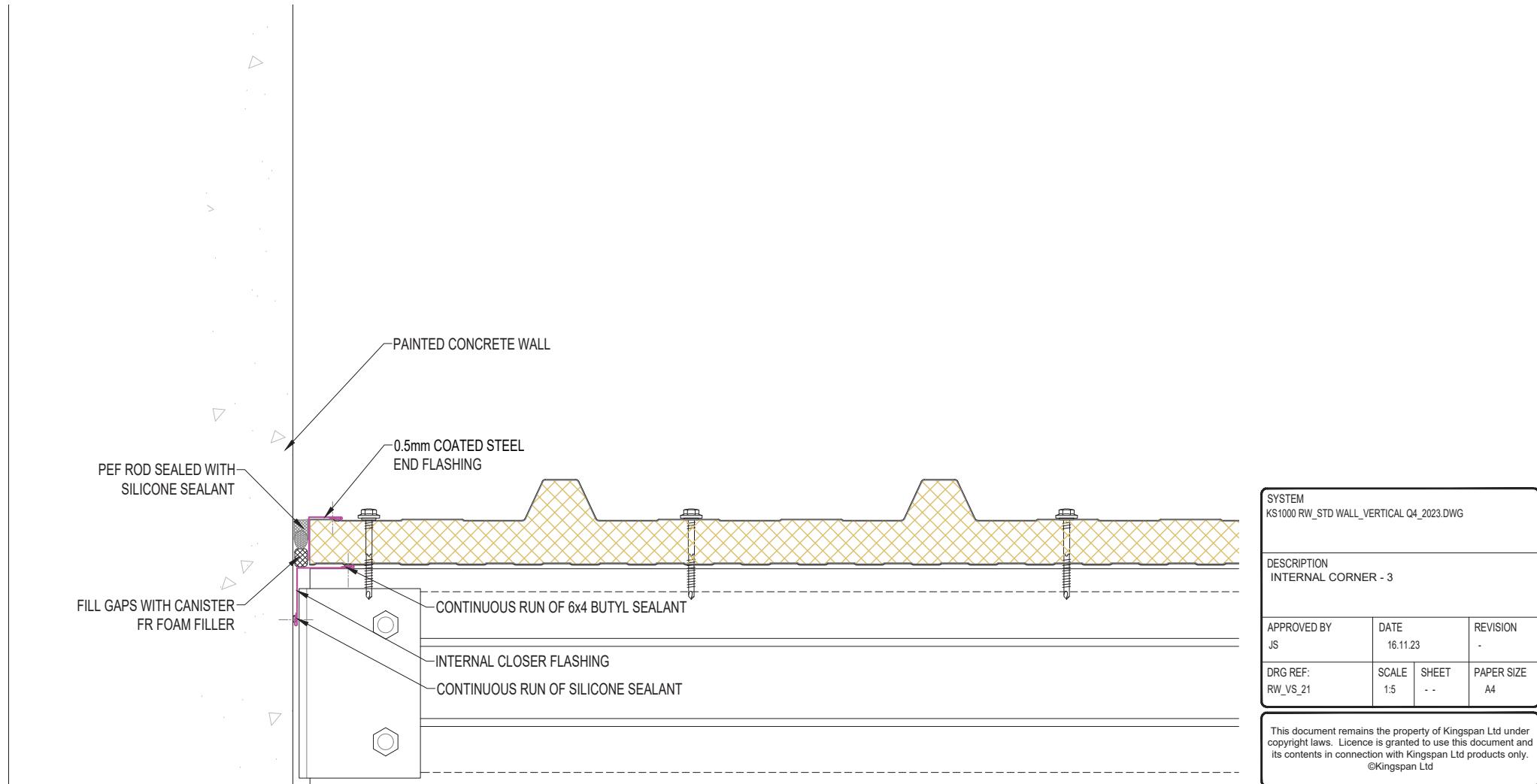
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DESCRIPTION INTERNAL CORNER - 2		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_20	SCALE 1:5	SHEET -- PAPER SIZE A4

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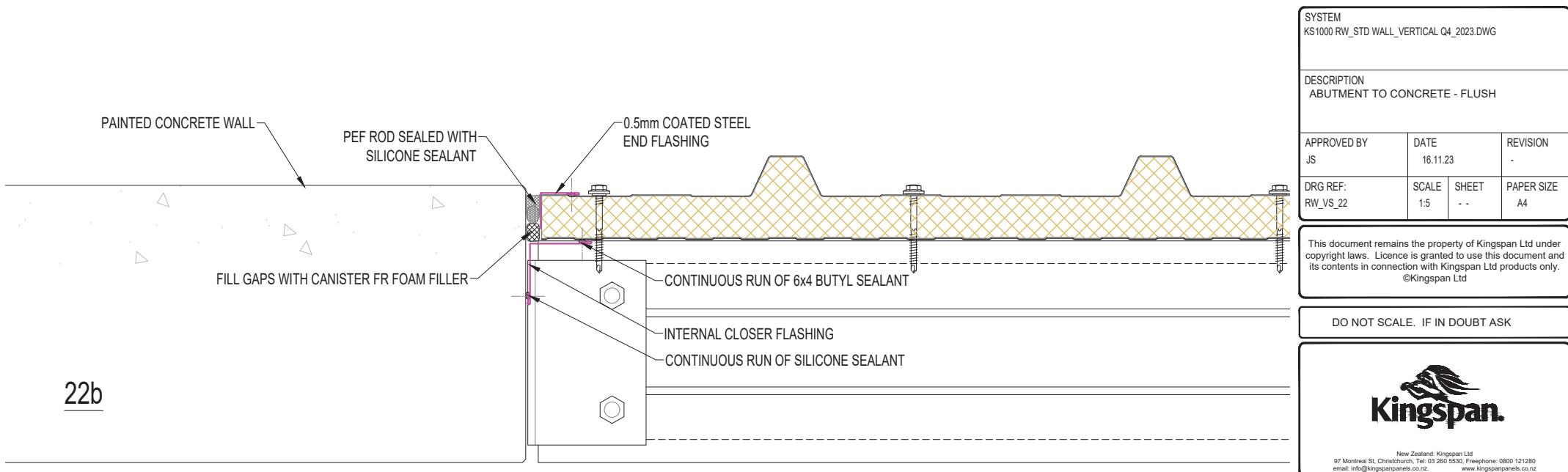
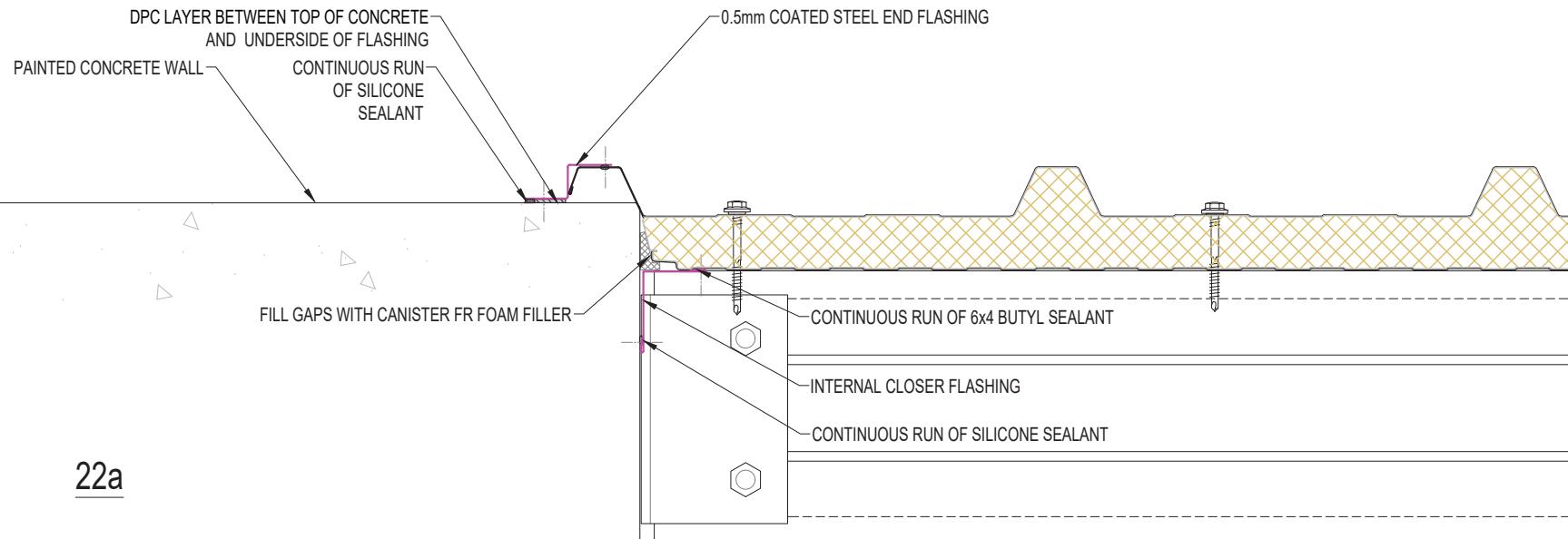
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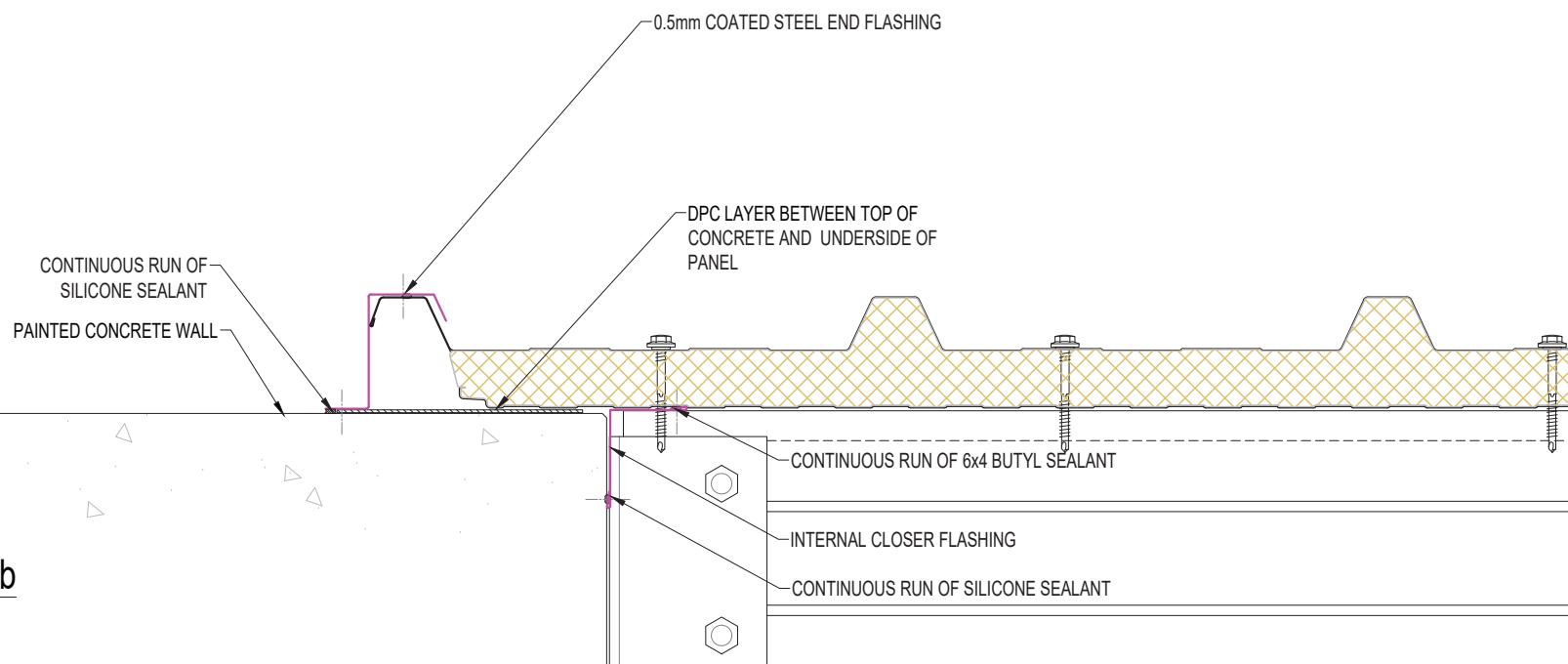
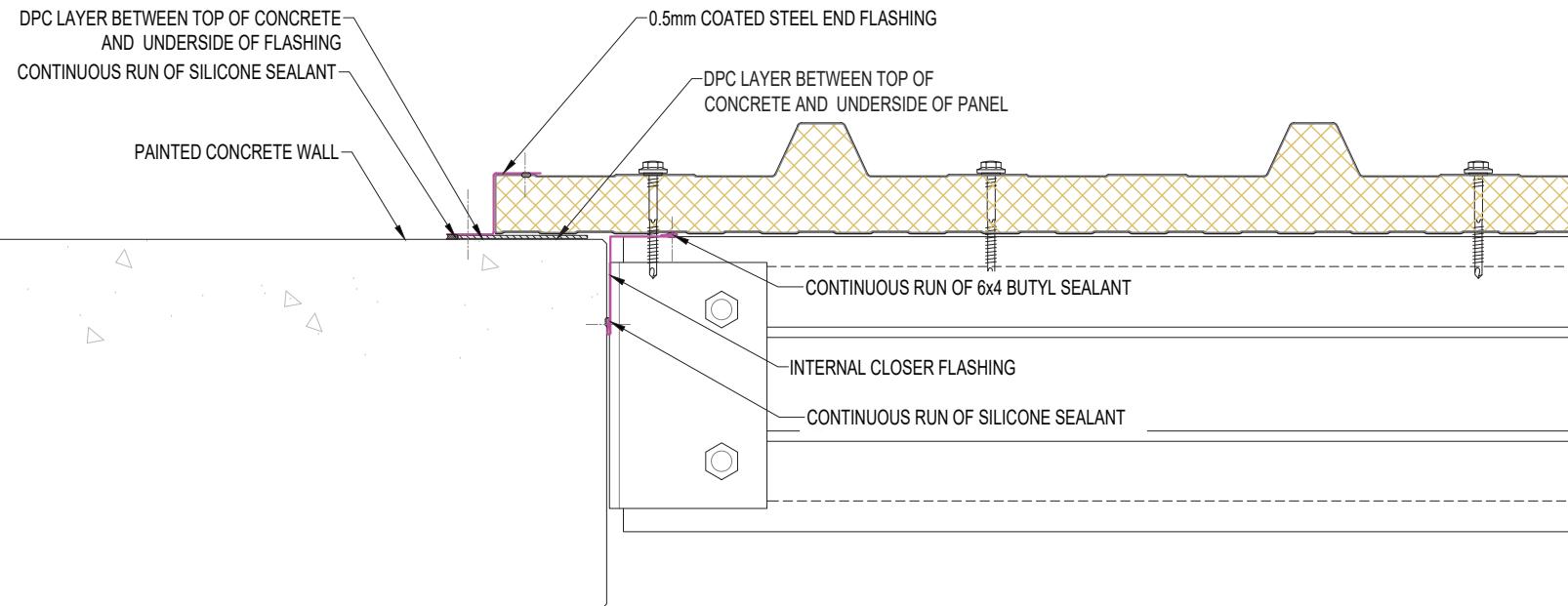
INTERNAL CORNER - 3



ABUTMENT TO CONCRETE - FLUSH

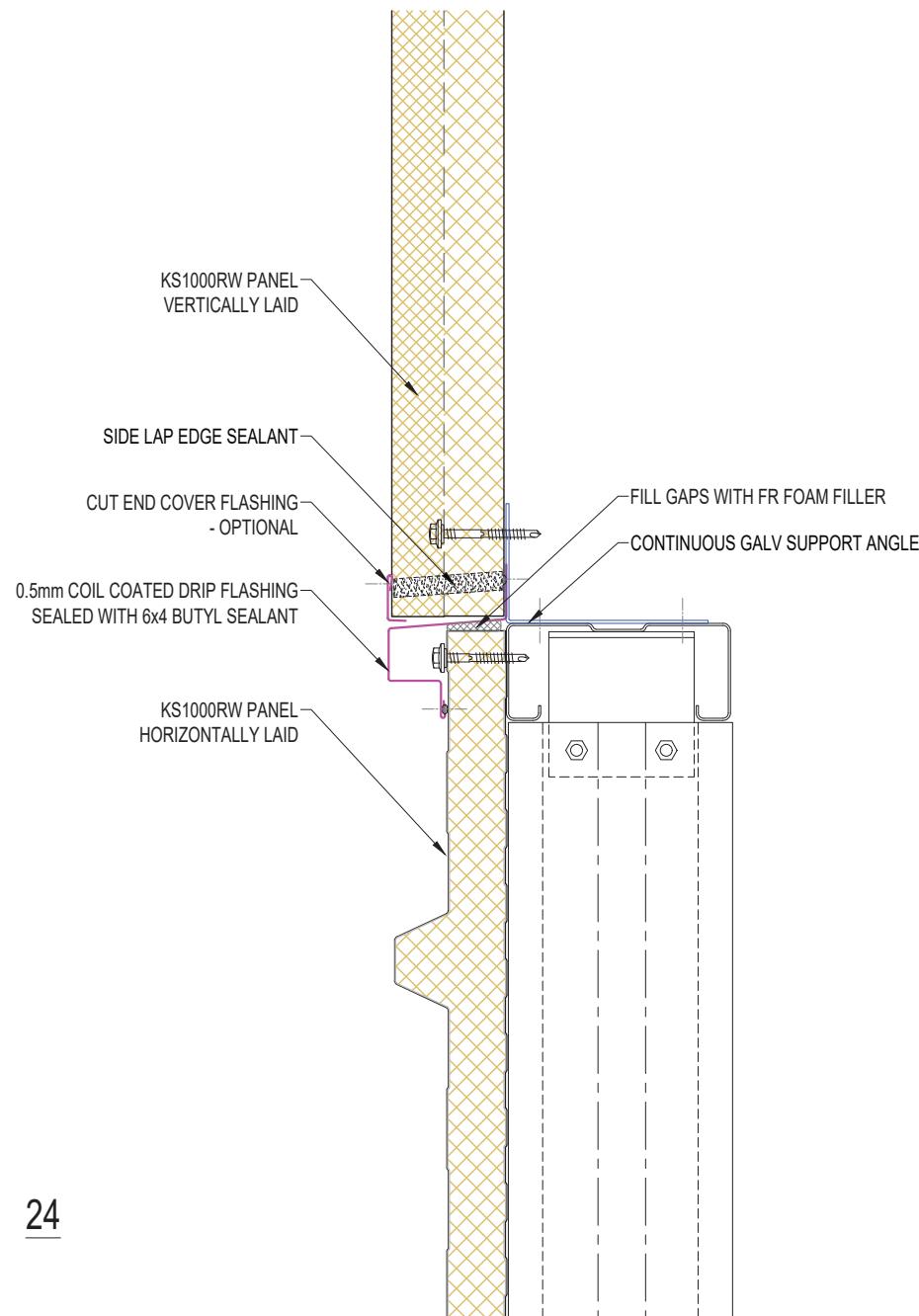


ABUTMENT TO CONCRETE - OVERHANG



SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION ABUTMENT TO CONCRETE - OVERHANG		
APPROVED BY JS	DATE 16.11.23	REVISION -
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VERTICAL TO HORIZONTAL BREAK DETAIL



SYSTEM
KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG

DESCRIPTION
VERTICAL TO HORIZONTAL BREAK DETAIL

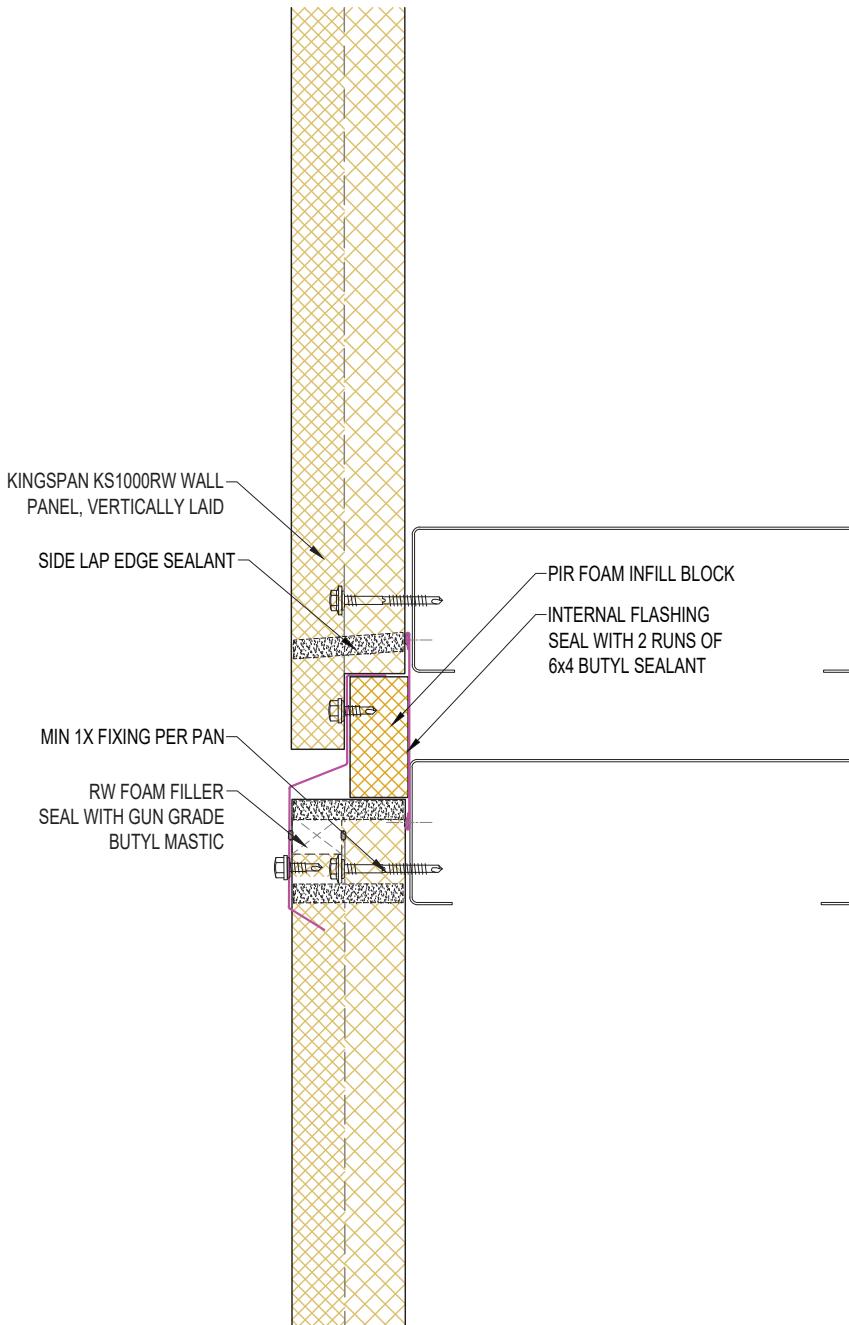
APPROVED BY	DATE	REVISION
JS	16.11.23	-
DRG REF: RW_VS_24	SCALE 1:5	SHEET --

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VERTICAL TO HORIZONTAL BREAK DETAIL



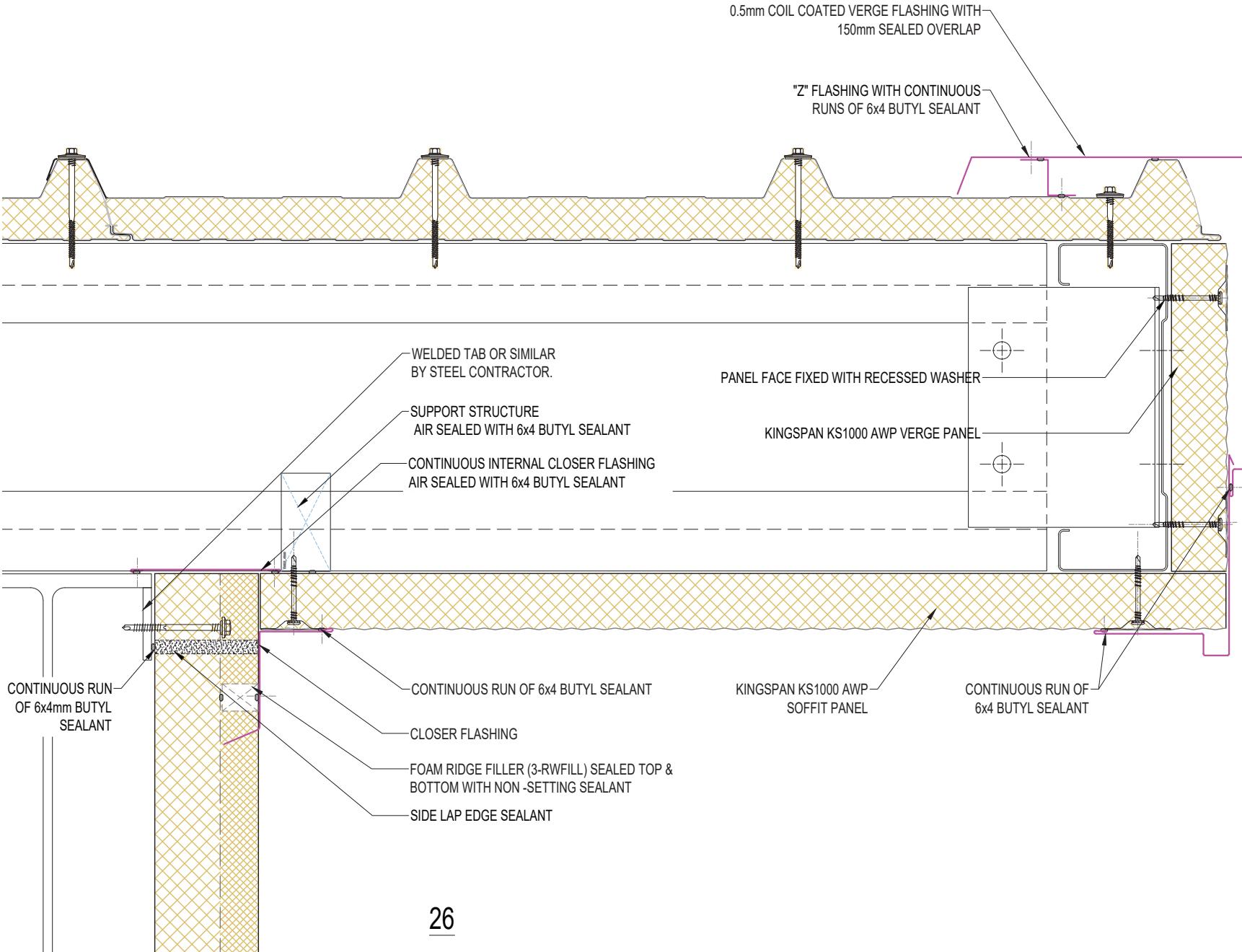
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION VERTICAL TO HORIZONTAL BREAK DETAIL		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_25	SCALE 1:5	SHEET --

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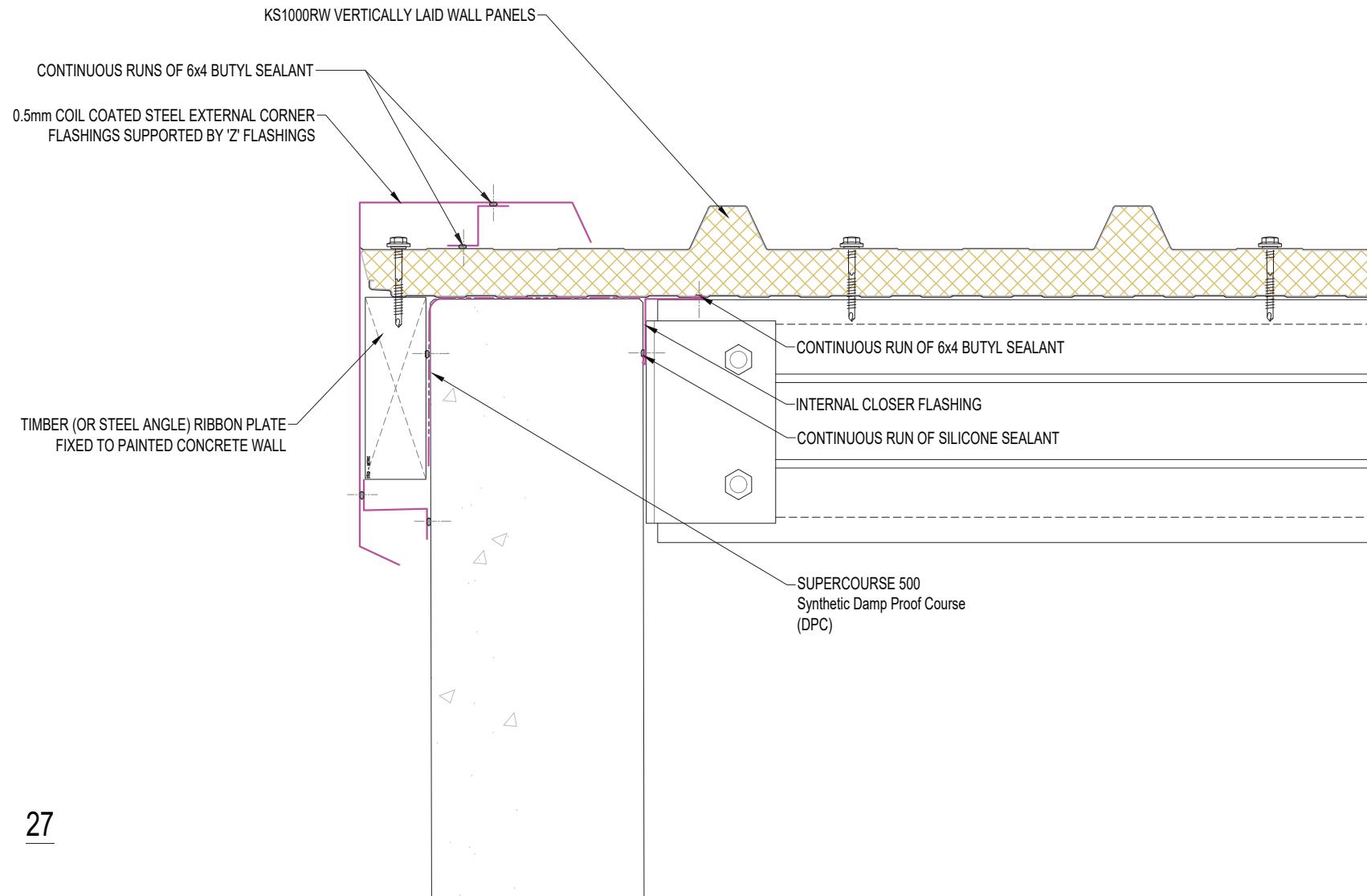
VERGE OVERHANG



26

SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION VERGE OVERHANG		
APPROVED BY JS	DATE 16.11.23	REVISION -
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VERGE DETAIL 1



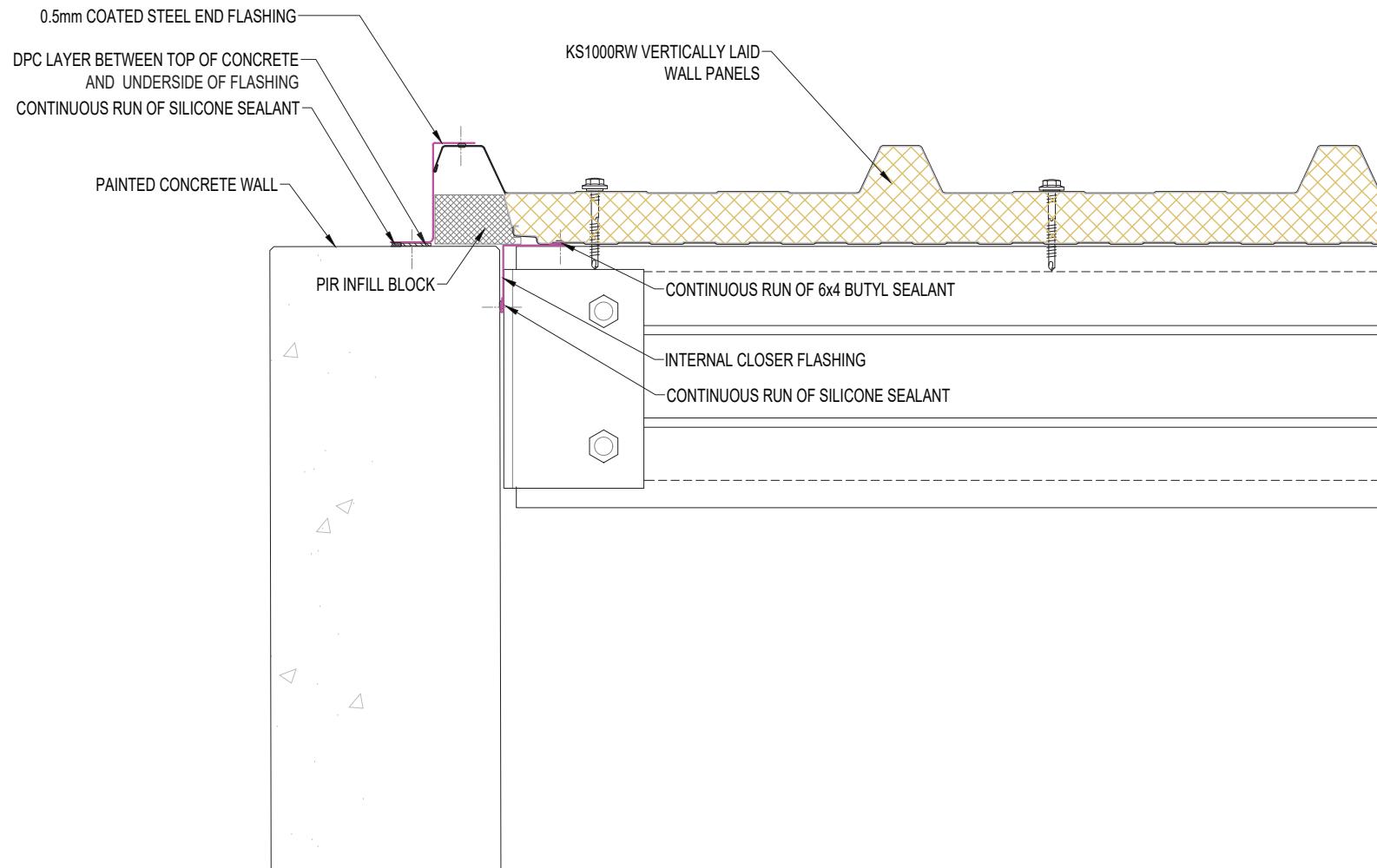
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION VERGE DETAIL 1		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_27	SCALE 1:2	SHEET --

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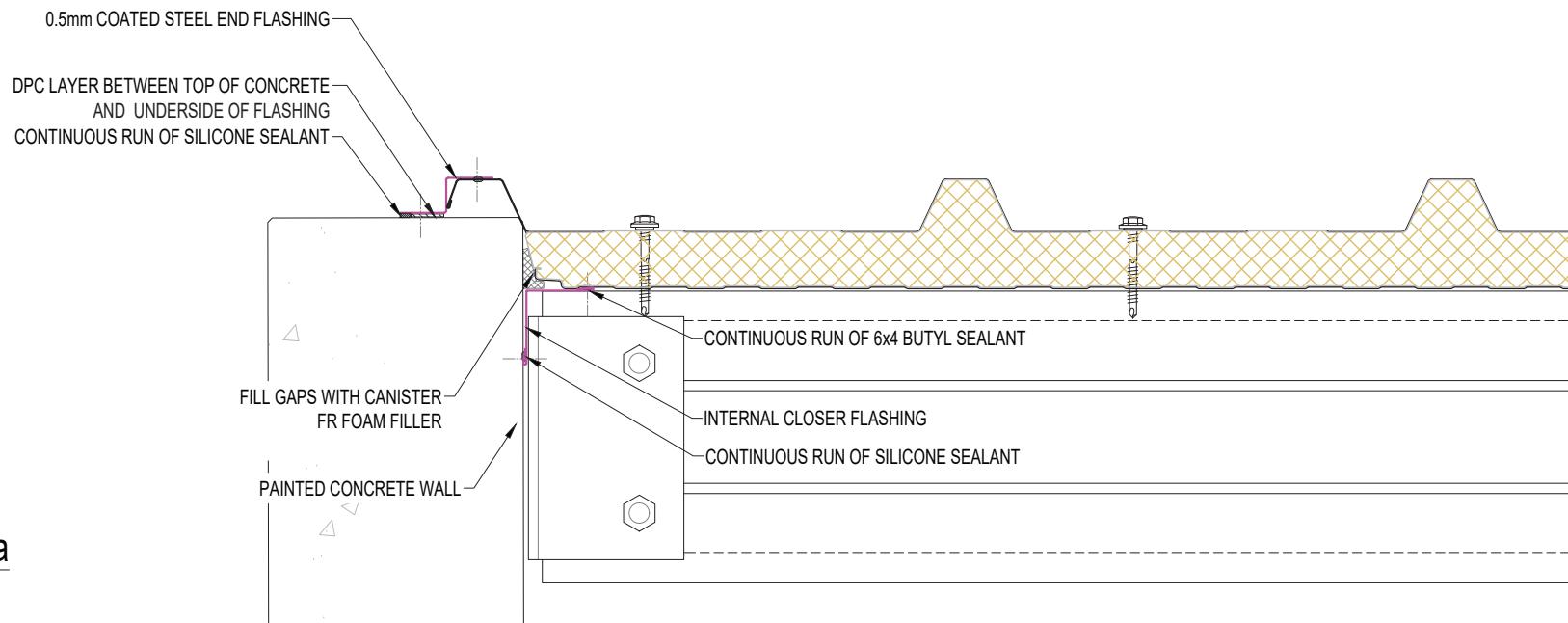
DO NOT SCALE. IF IN DOUBT ASK



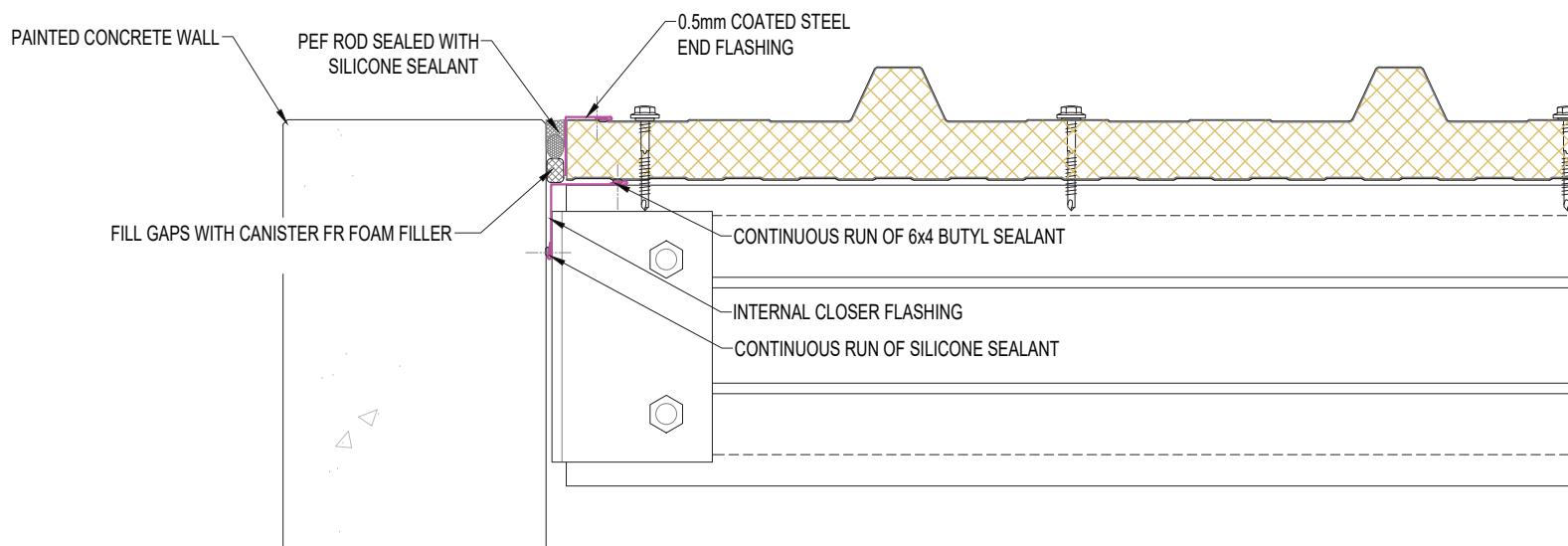
VERGE DETAIL 2



VERGE DETAIL 3



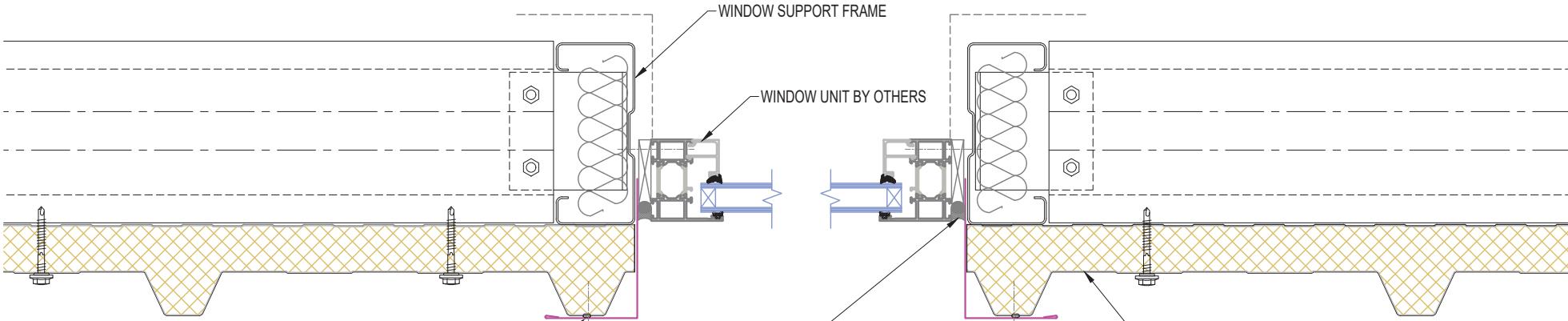
29a



29b

SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION VERGE DETAIL 3		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_29	SCALE 1:2	SHEET --
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WINDOW HEAD DETAIL

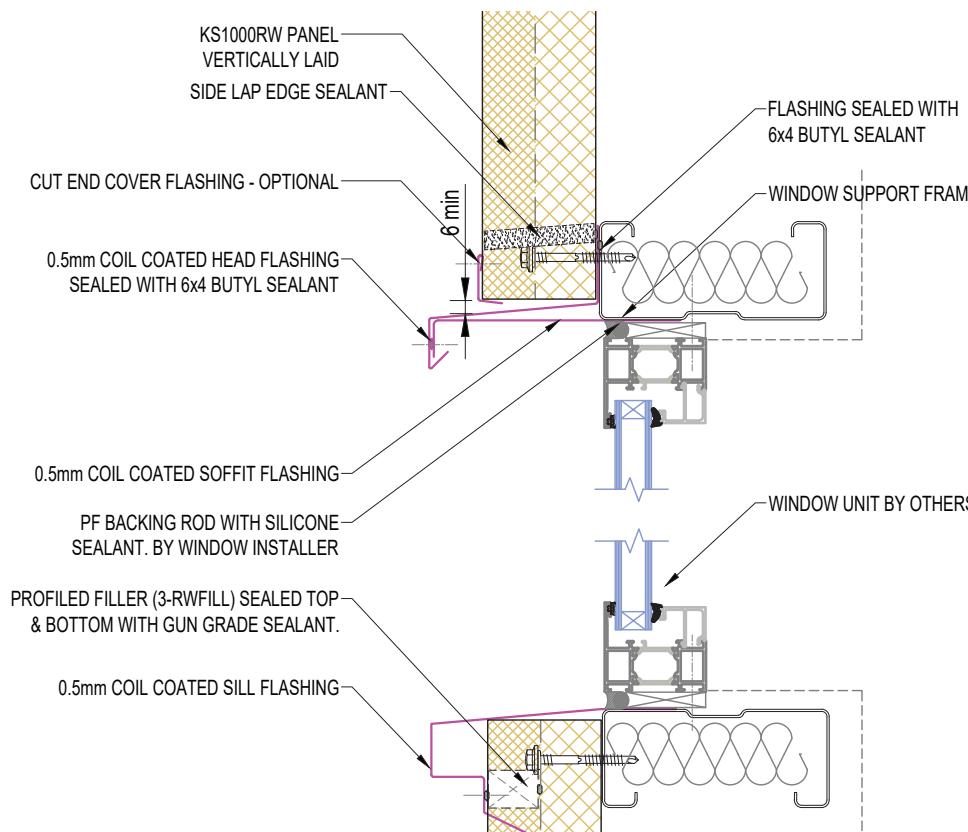


30a

0.5mm COIL COATED JAMB FLASHING
SEALED WITH 6x4mm BUTYL SEALANT

PF BACKING ROD WITH SILICONE
SEALANT. BY WINDOW INSTALLER

KS1000RW PANEL
VERTICALLY LAID



30b

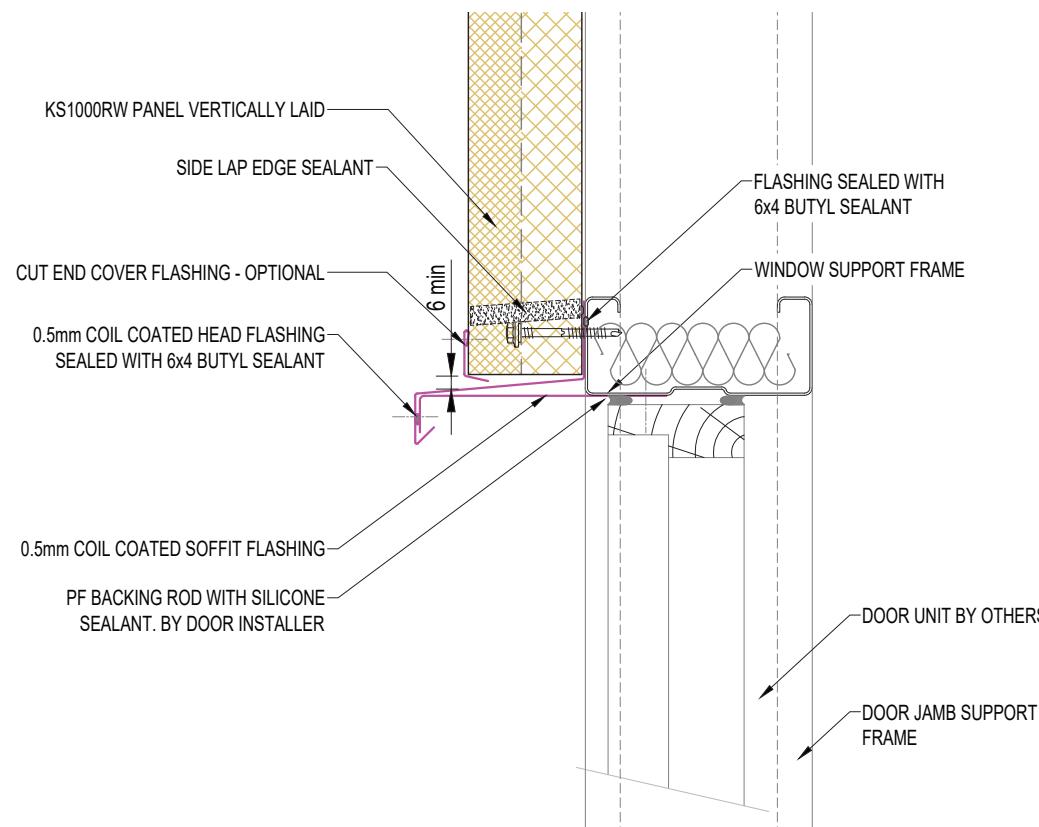
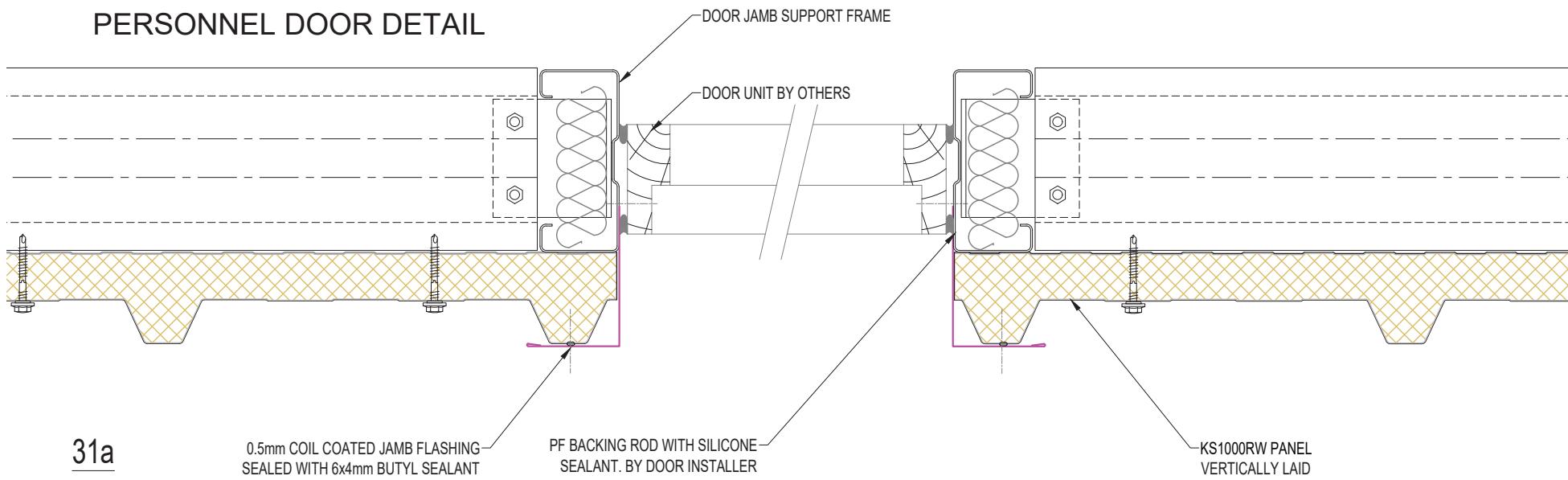
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION WINDOW HEAD DETAIL		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_30	SCALE 1:5	SHEET --

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PERSONNEL DOOR DETAIL



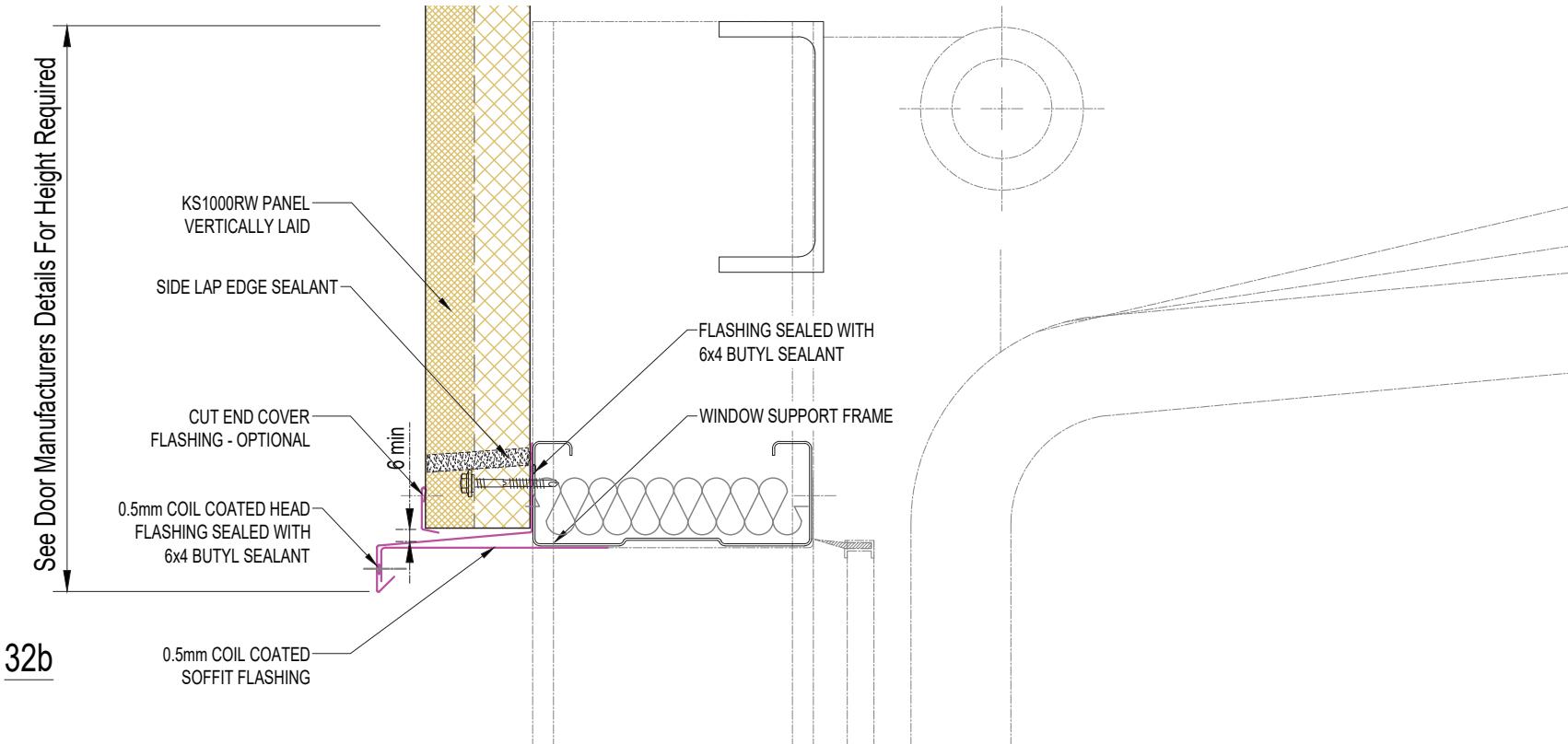
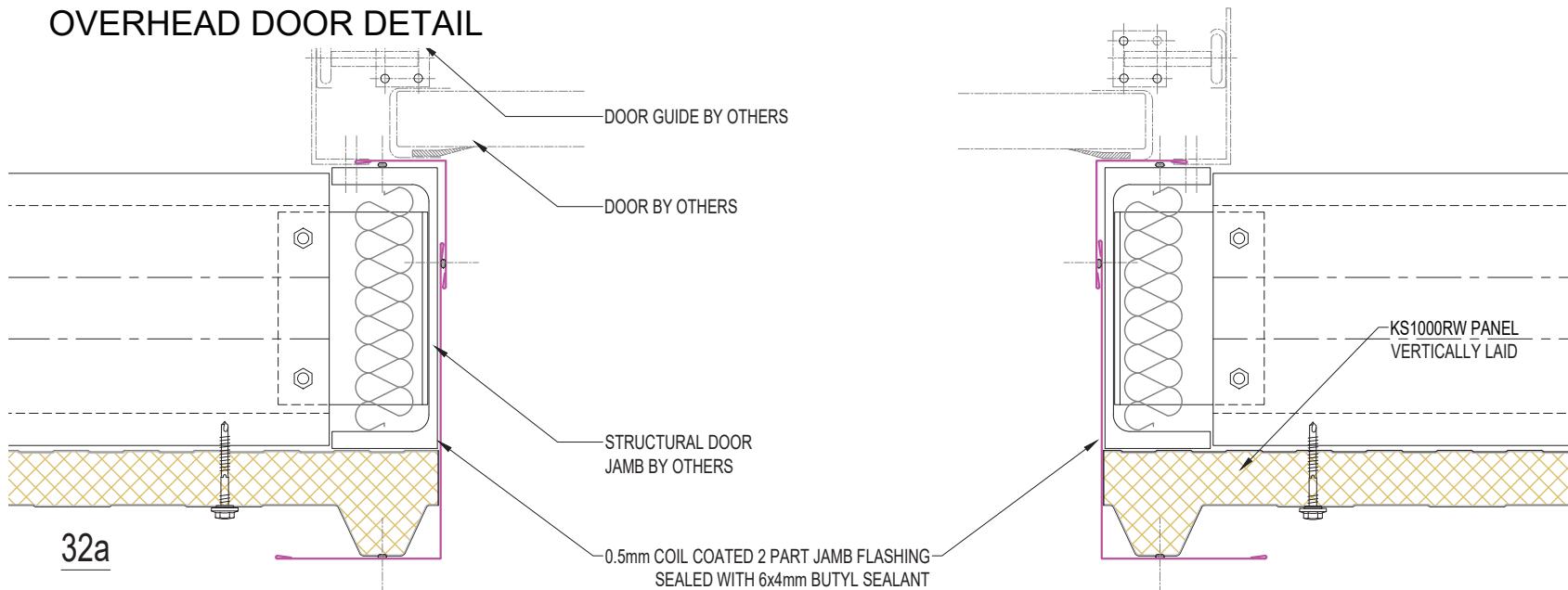
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION PERSONNEL DOOR DETAIL		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_31	SCALE 1:5	SHEET --

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OVERHEAD DOOR DETAIL



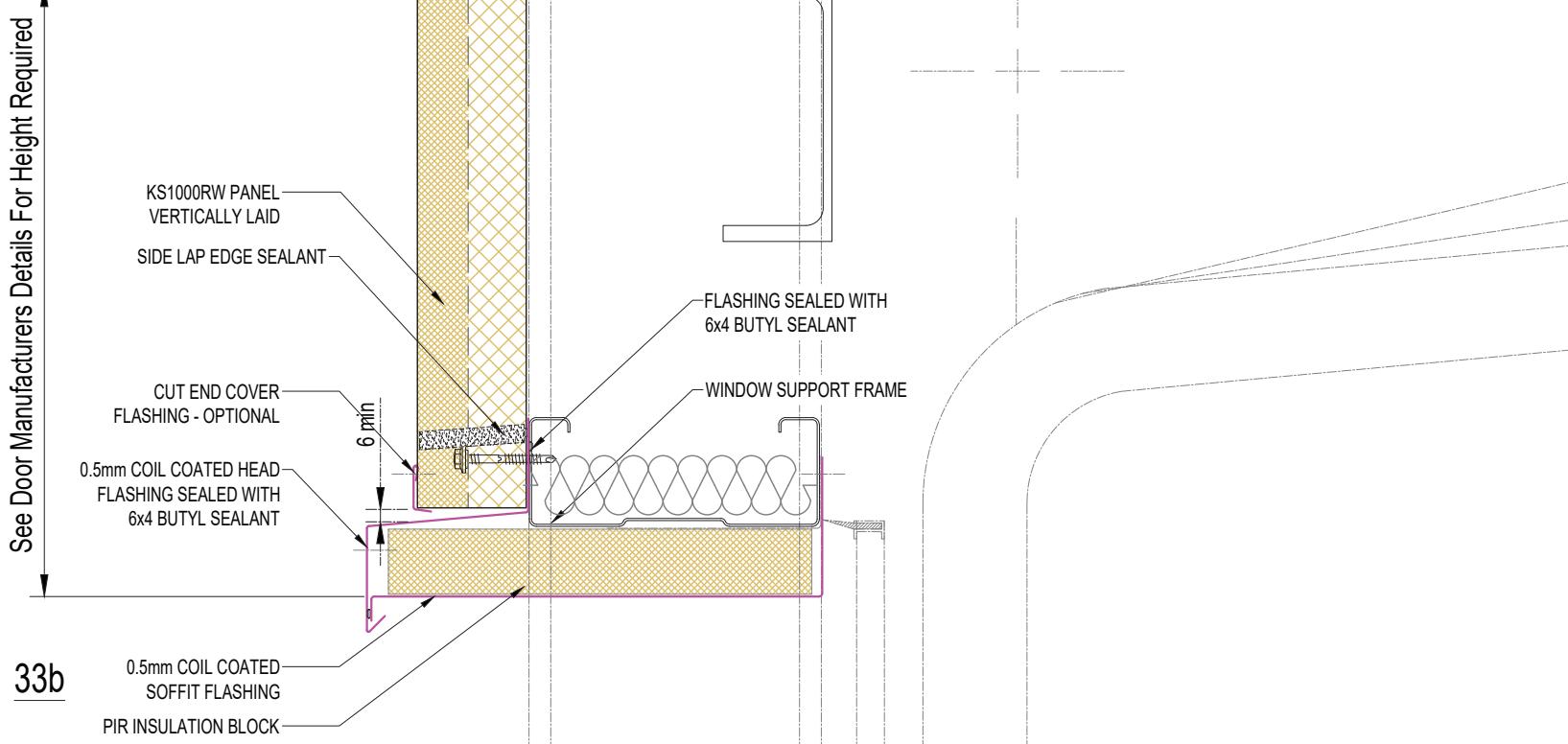
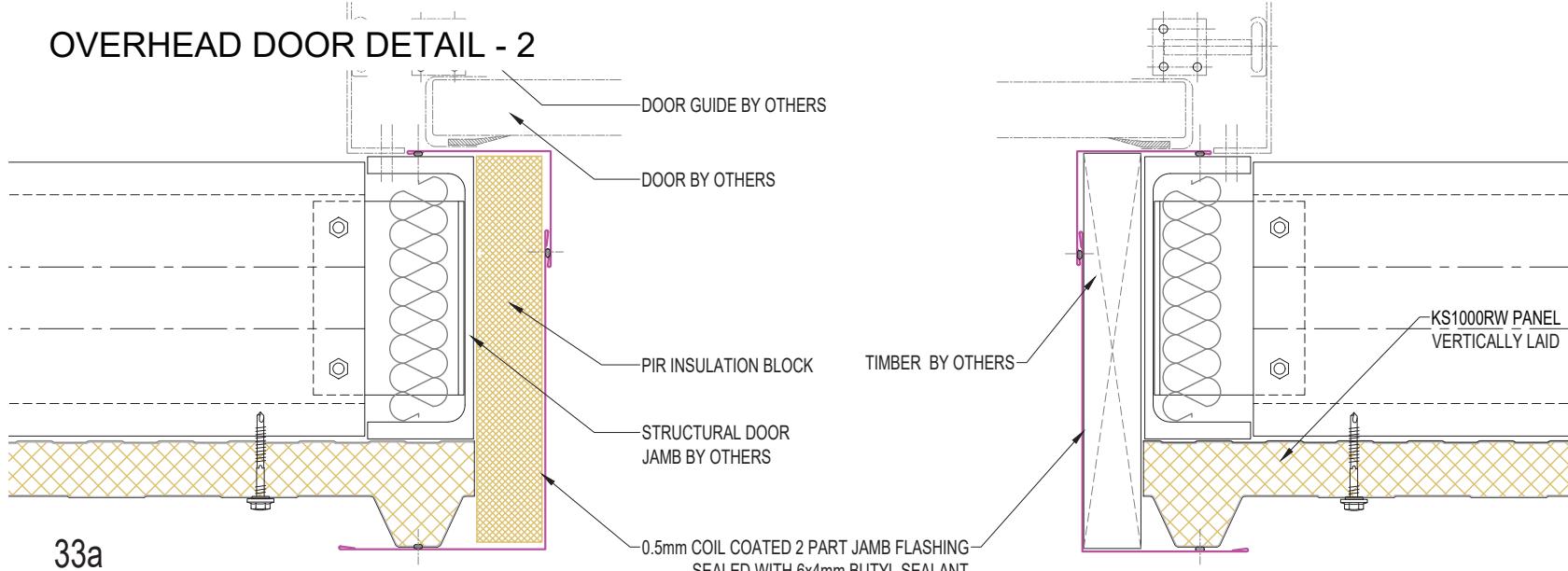
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION OVERHEAD DOOR DETAIL		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_32	SCALE 1:5	SHEET -- PAPER SIZE A4

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OVERHEAD DOOR DETAIL - 2



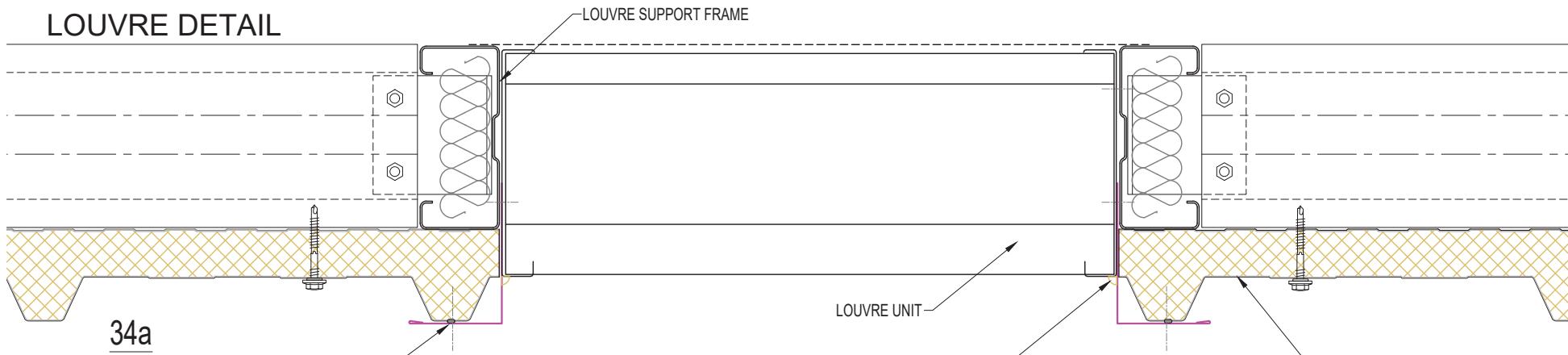
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG			
DESCRIPTION OVERHEAD DOOR DETAIL - 2			
APPROVED BY JS	DATE 16.11.23	REVISION -	
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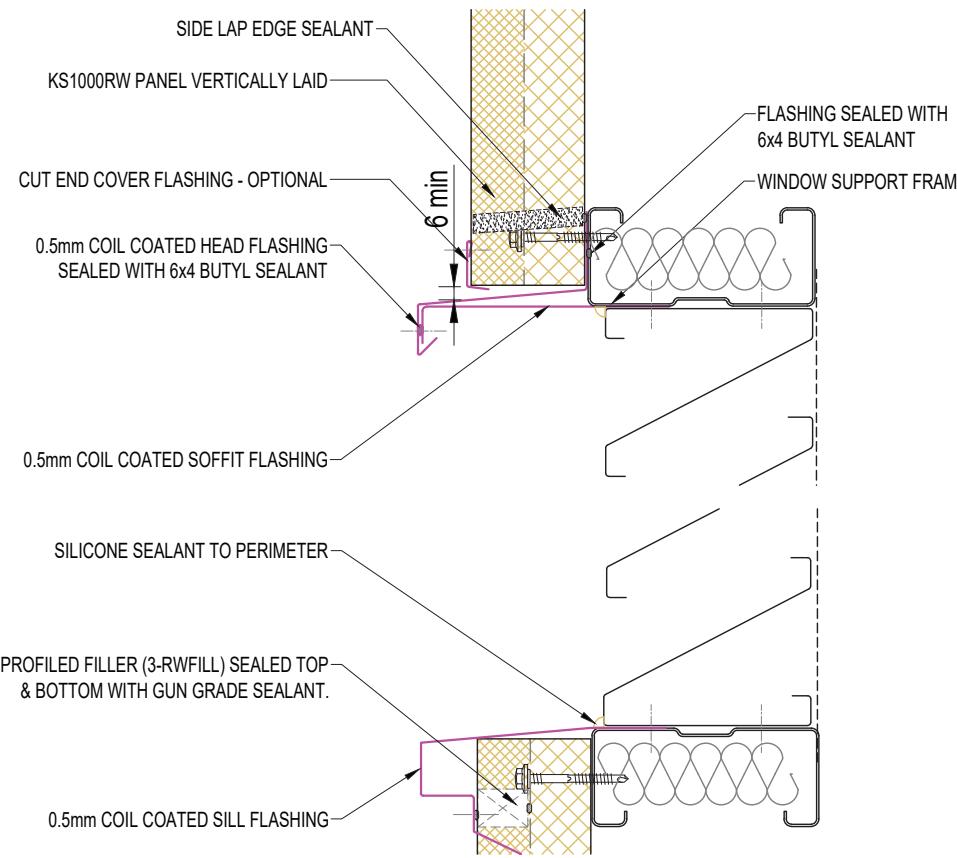


LOUVRE DETAIL



34a

0.5mm COIL COATED JAMB FLASHING
SEALED WITH 6x4mm BUTYL SEALANT



34b

SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION LOUVRE DETAIL		
APPROVED BY JS	DATE 16.11.23	REVISION -
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PAPER SIZE A4		

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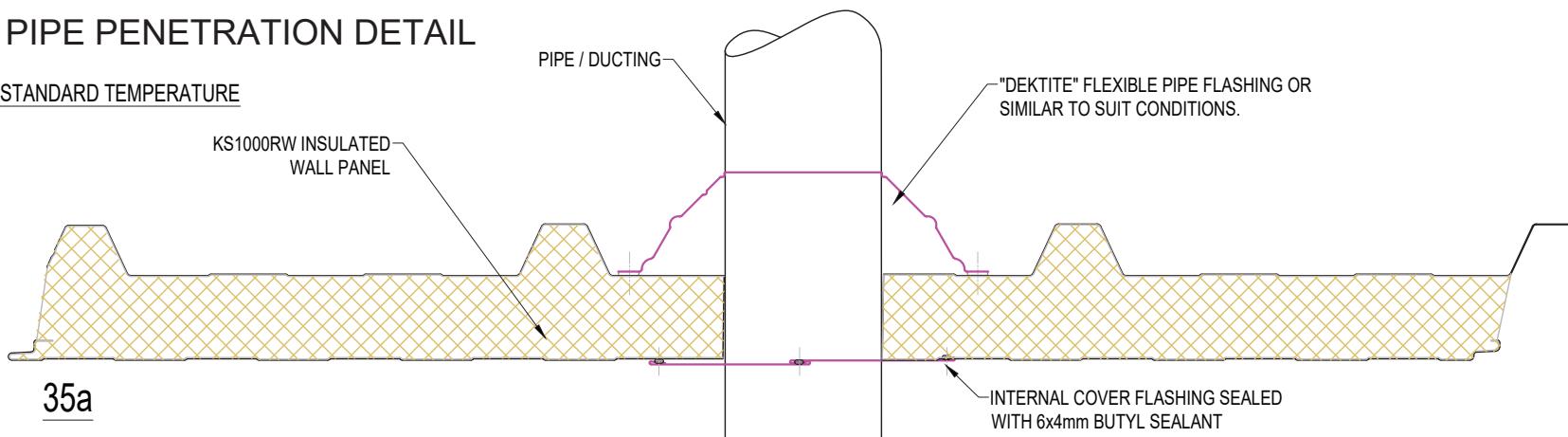
DO NOT SCALE. IF IN DOUBT ASK



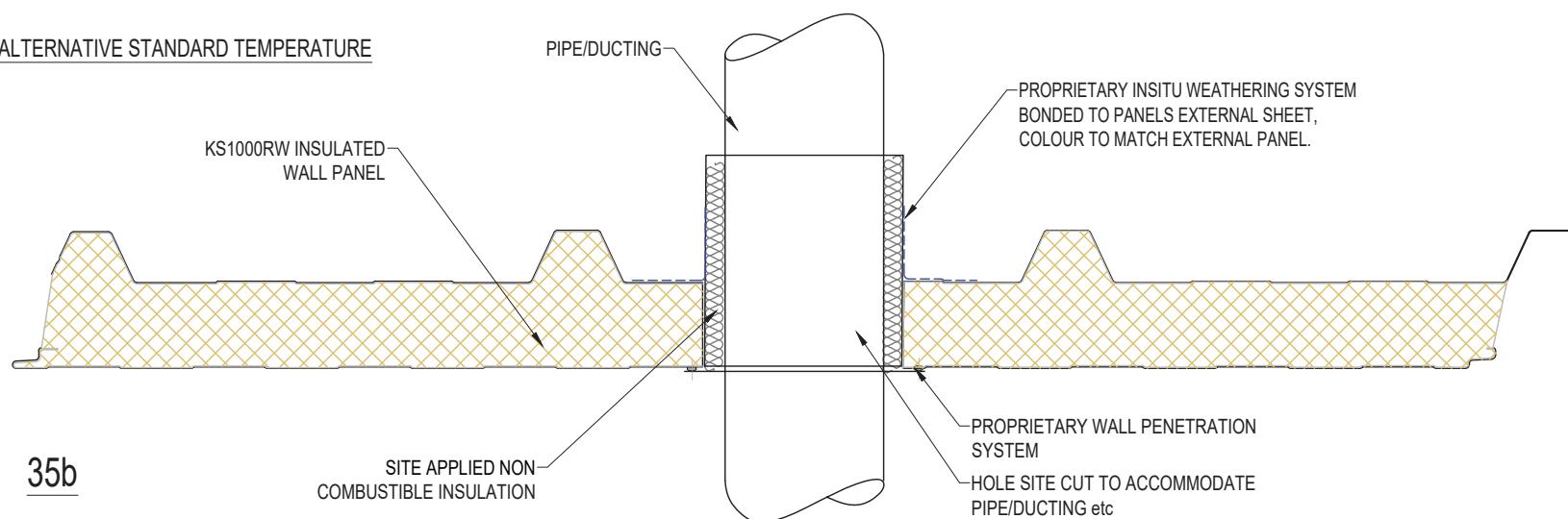
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email: info@kingspanpanels.co.nz
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PIPE PENETRATION DETAIL

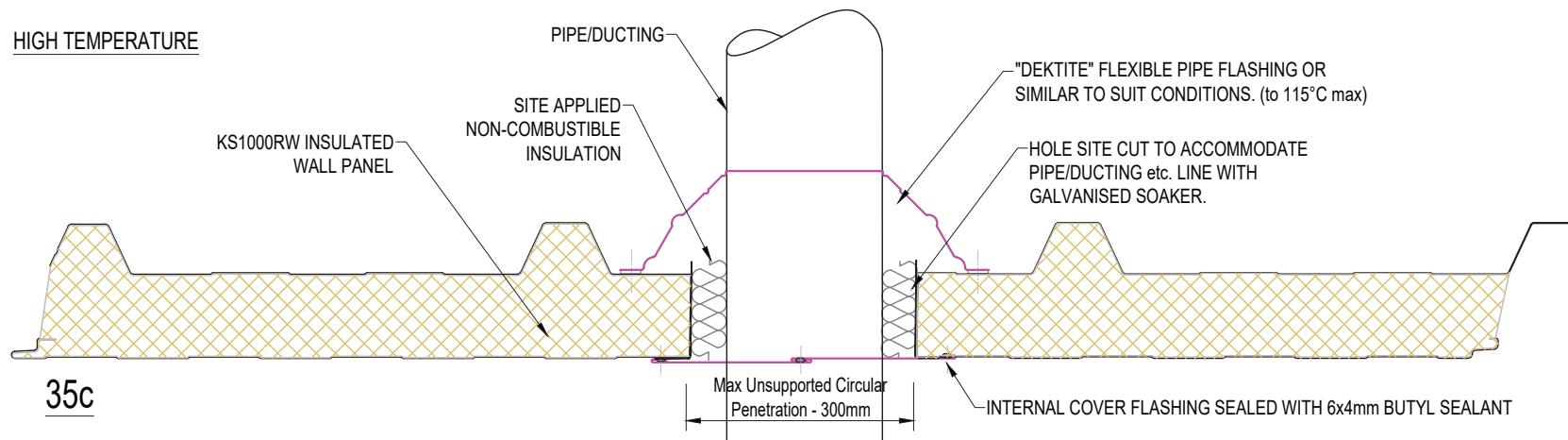
STANDARD TEMPERATURE



ALTERNATIVE STANDARD TEMPERATURE



HIGH TEMPERATURE



Note: Maximum circular hole size to be 300mm.
Penetrations greater will require additional supporting steel.

SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG			
DESCRIPTION PIPE PENETRATION DETAIL			
APPROVED BY JS	DATE 16.11.23	REVISION -	
DRG REF: RW_VS_35	SCALE 1:5	SHEET --	PAPER SIZE A4

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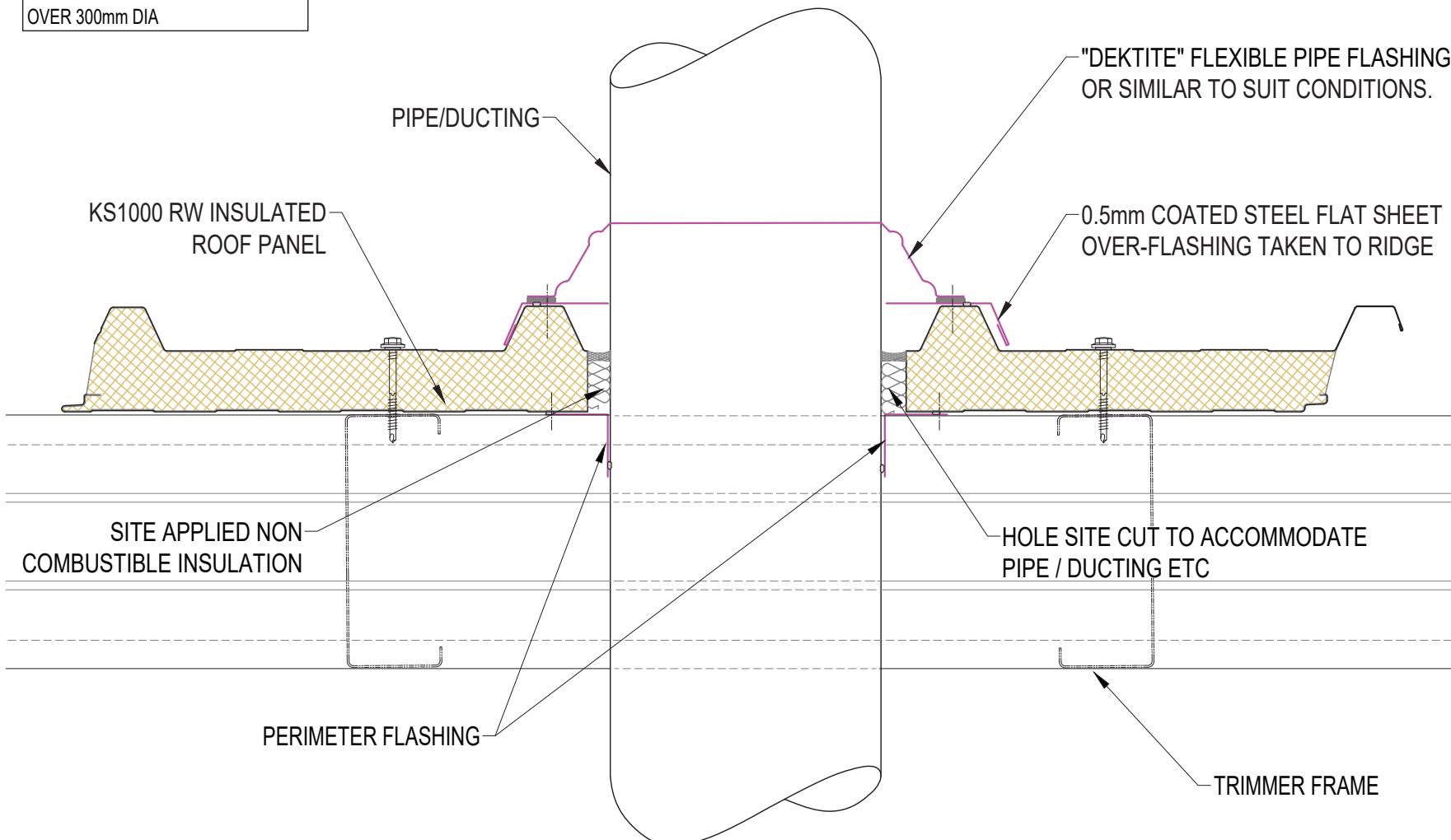
DO NOT SCALE. IF IN DOUBT ASK



PIPE PENETRATION SUPPORT DETAIL

Note: Maximum circular hole size to be 300mm.
Penetrations greater will require additional supporting steel.

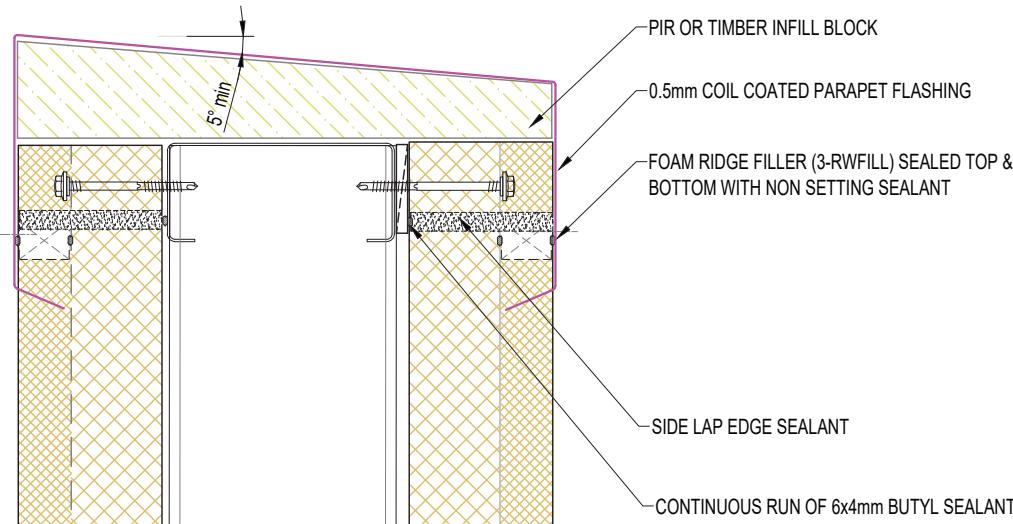
TRIMMER FRAME FOR OPENINGS
OVER 300mm DIA



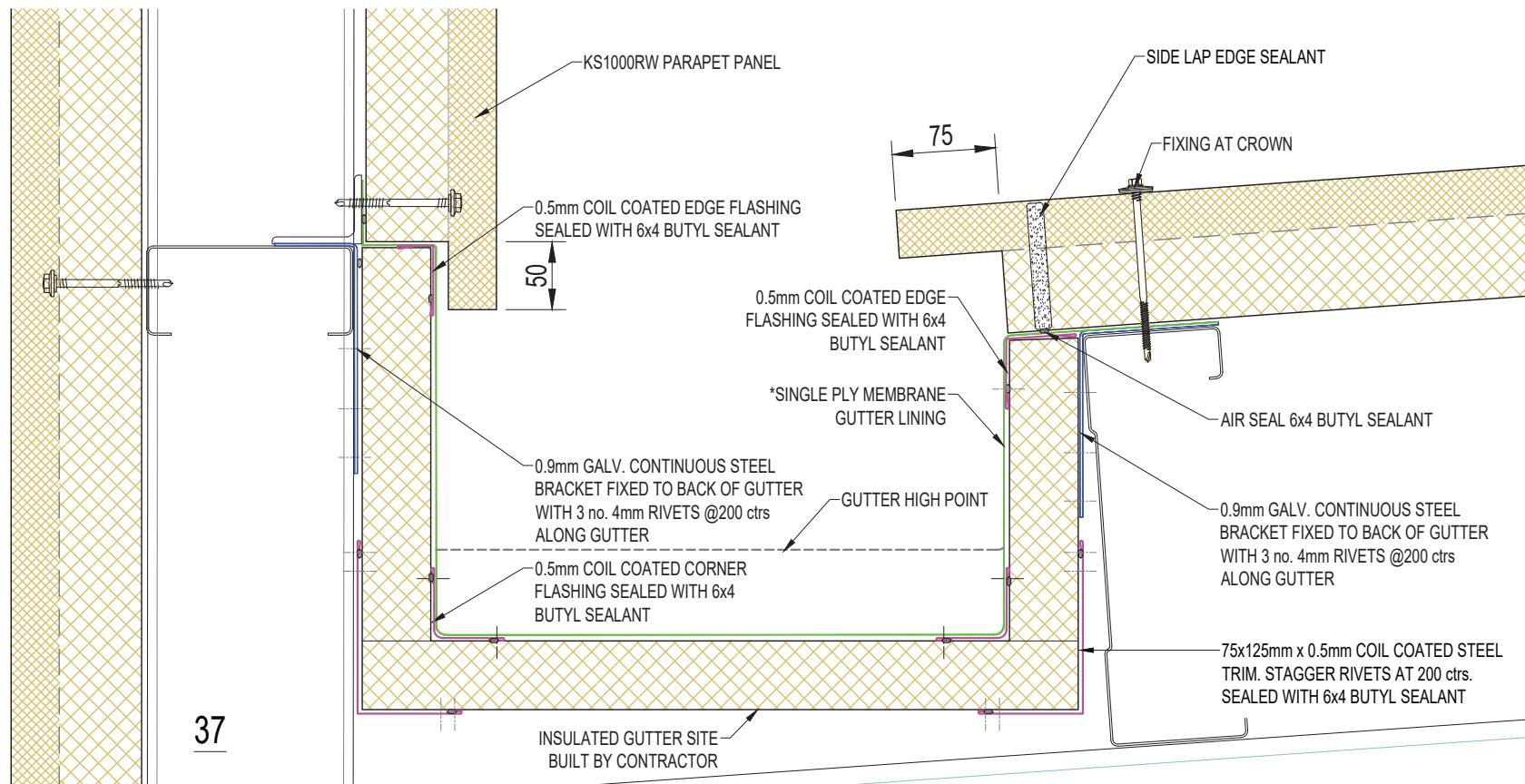
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION PIPE PENETRATION SUPPORT DETAIL		
APPROVED BY JS	DATE 16.11.23	REVISION -
DRG REF: RW_VS_36	SCALE 1:5	SHEET --

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



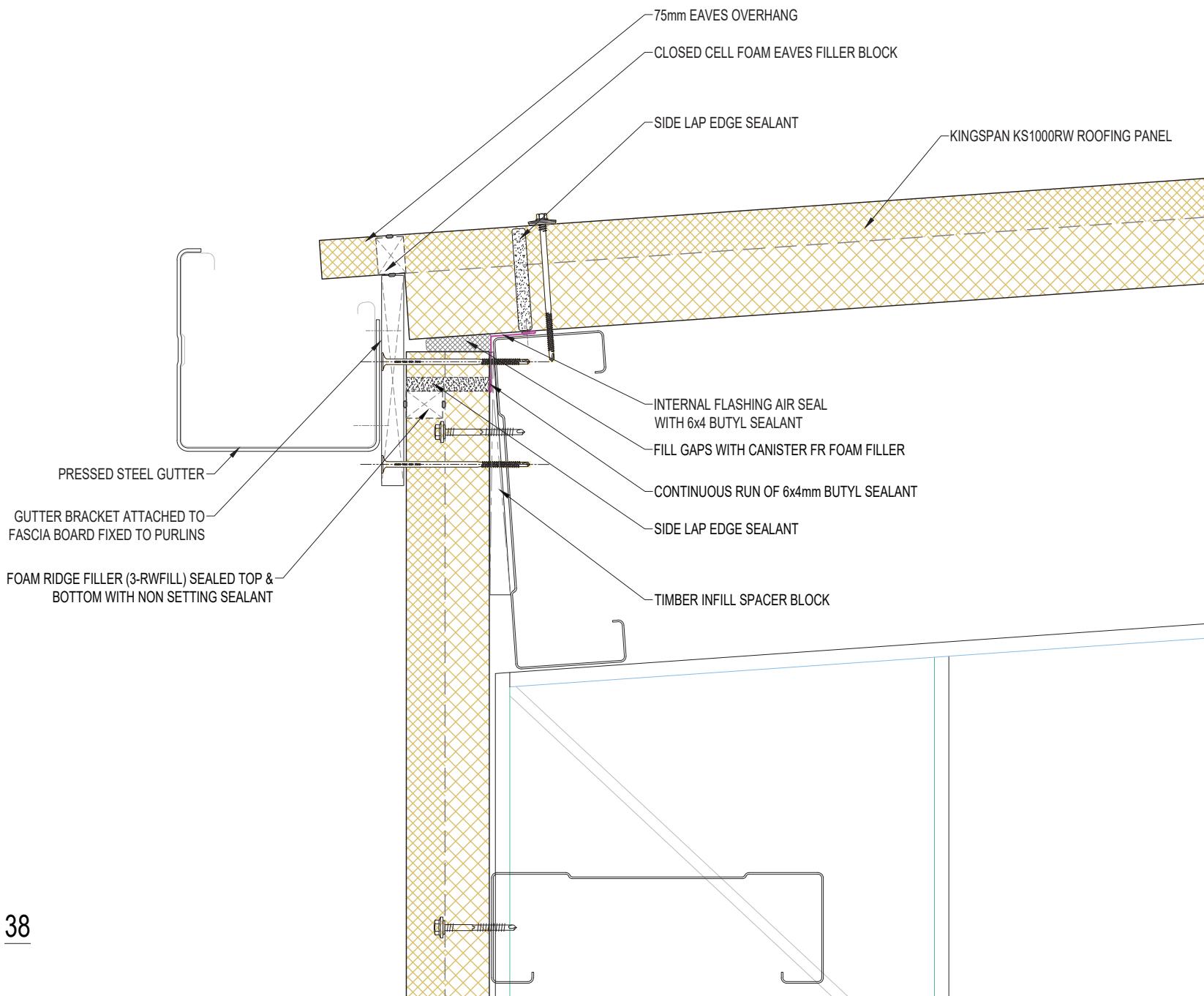
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG			
DESCRIPTION KS1100 CS GUTTER KS1000RW ROOF & VERTICAL WALL			
APPROVED BY JS	DATE 16.11.23	REVISION -	
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EAVES GUTTER DETAIL



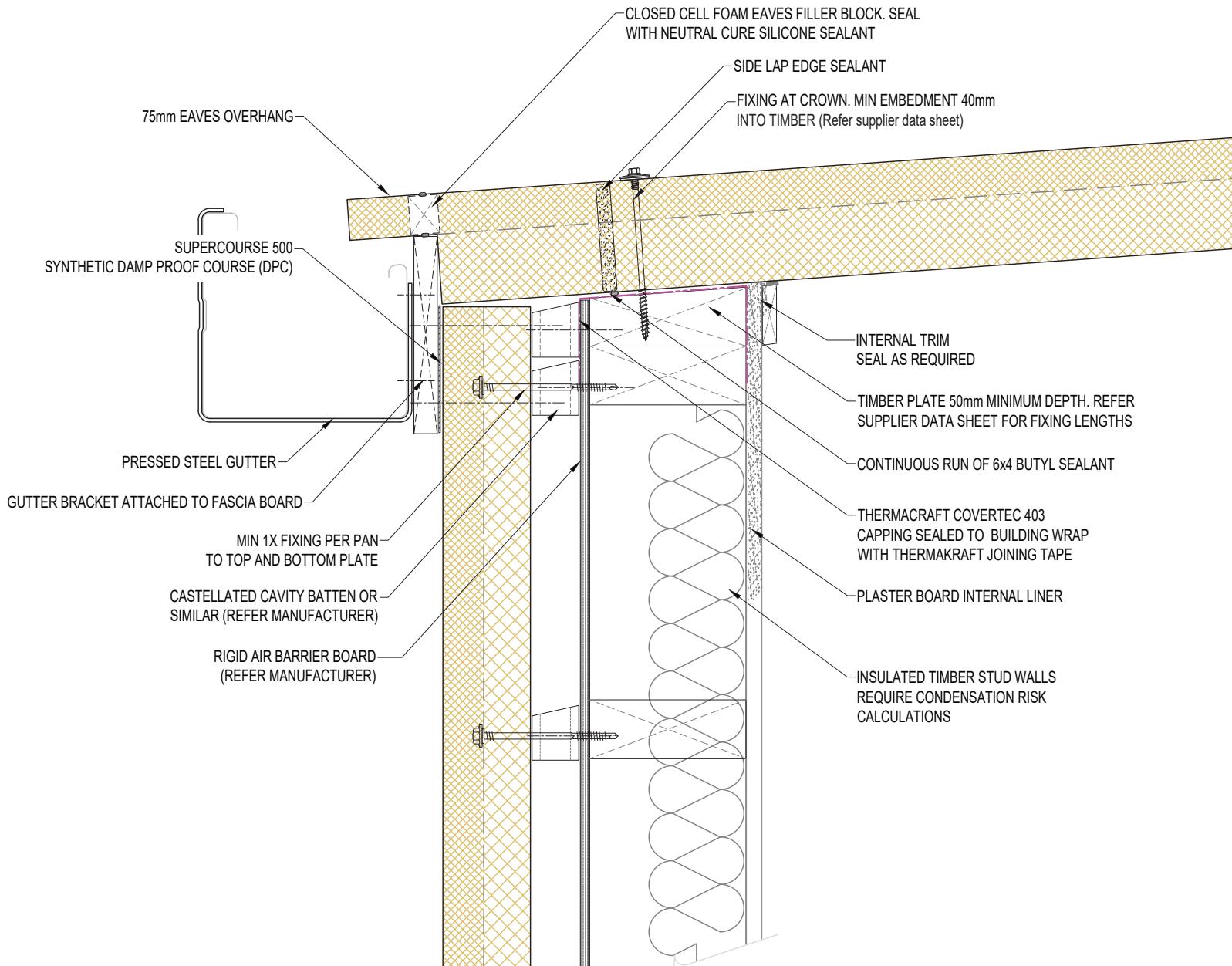
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG			
DESCRIPTION EAVES GUTTER DETAIL			
APPROVED BY JS	DATE 16.11.23	REVISION -	
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EAVES GUTTER DETAIL - 2



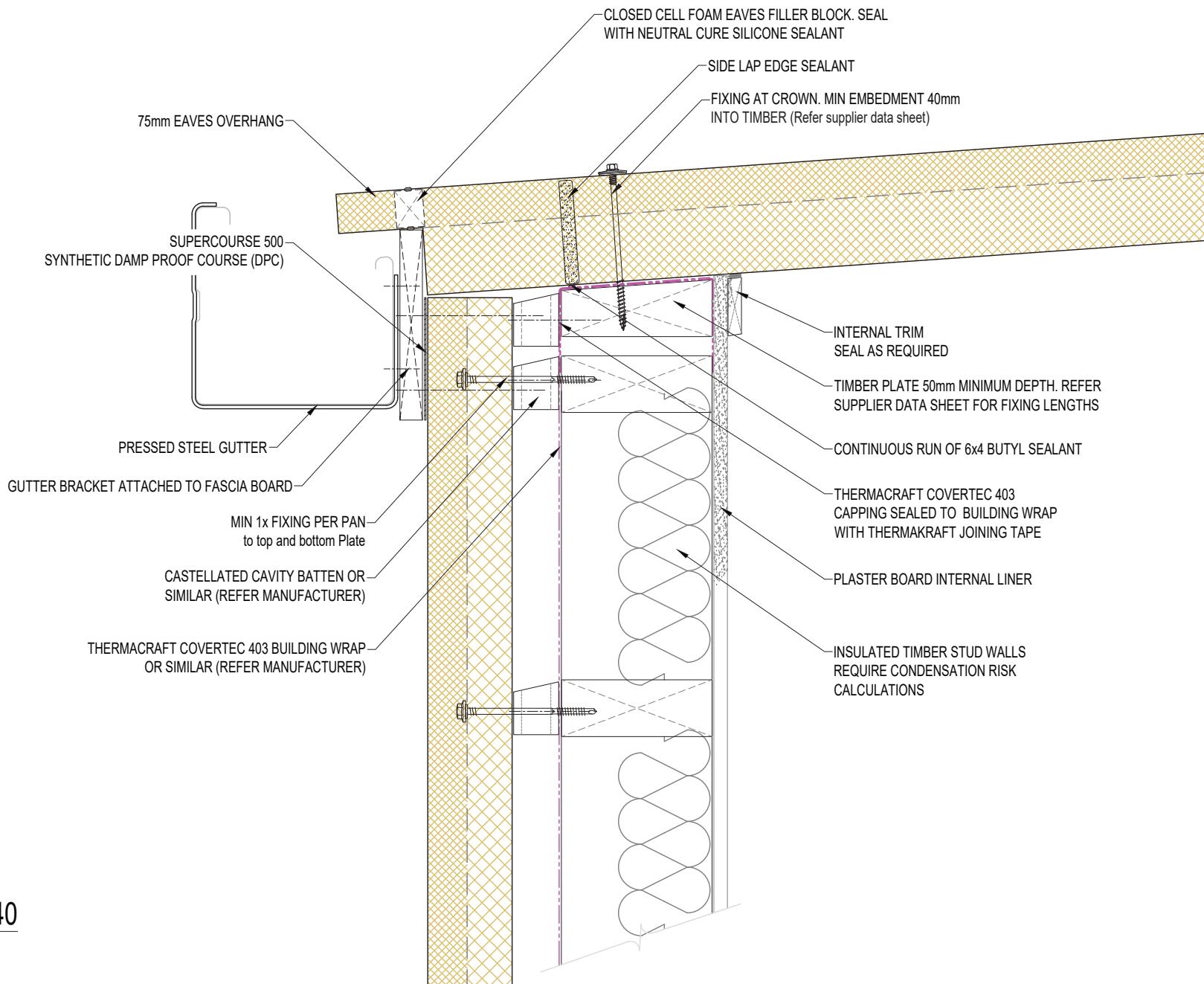
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION EAVES GUTTER DETAIL - 2		
APPROVED BY JS	DATE 16.11.23	REVISION -
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EAVES GUTTER DETAIL - 3



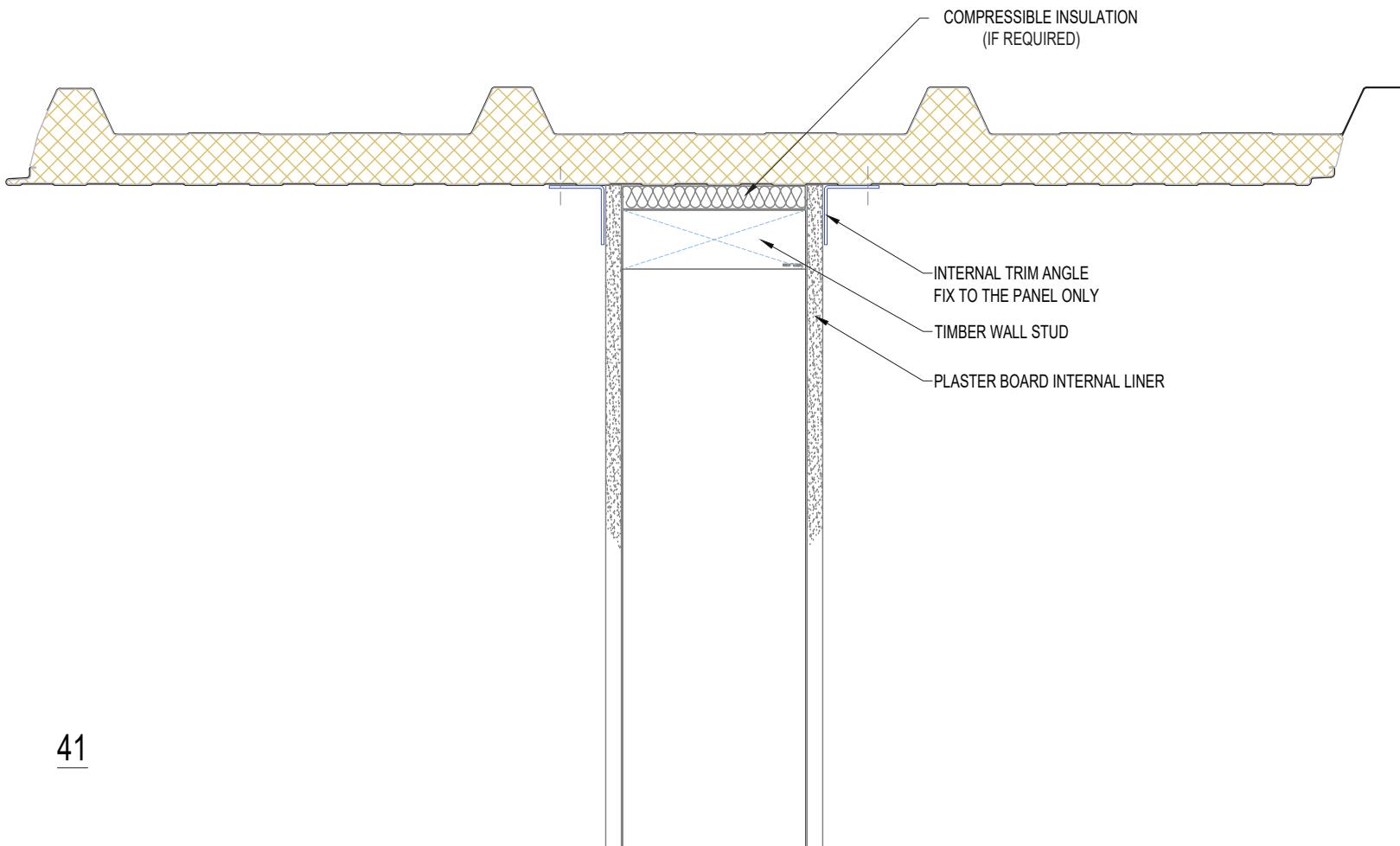
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG			
DESCRIPTION EAVES GUTTER DETAIL - 3			
APPROVED BY JS	DATE 16.11.23	REVISION -	
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PLASTER-BOARD PARTITION DETAIL



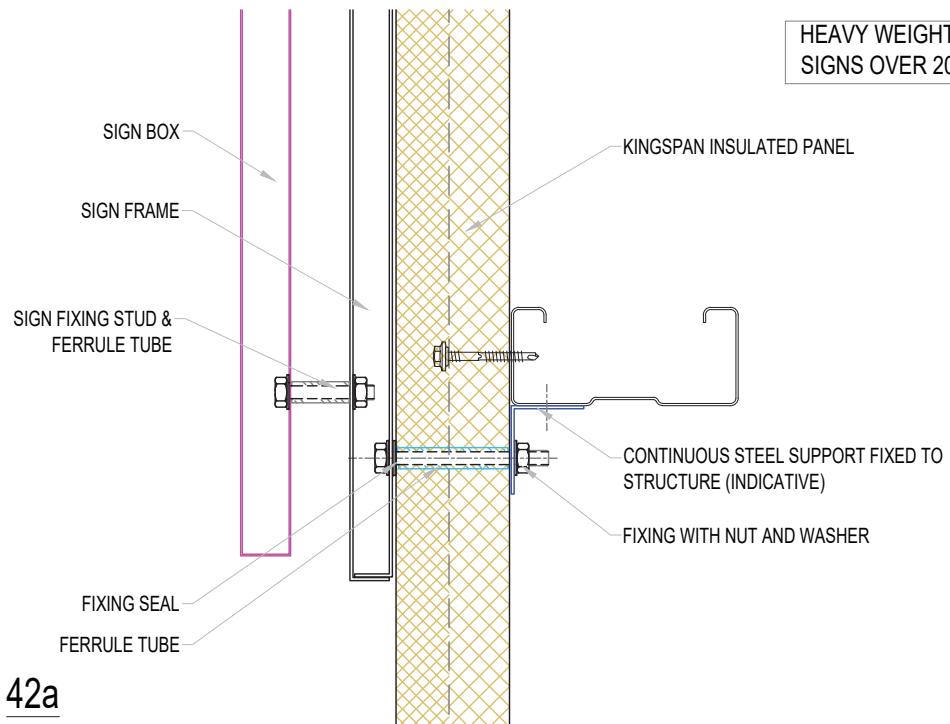
SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION PLASTER-BOARD PARTITION DETAIL		
APPROVED BY JS	DATE 16.11.23	REVISION -
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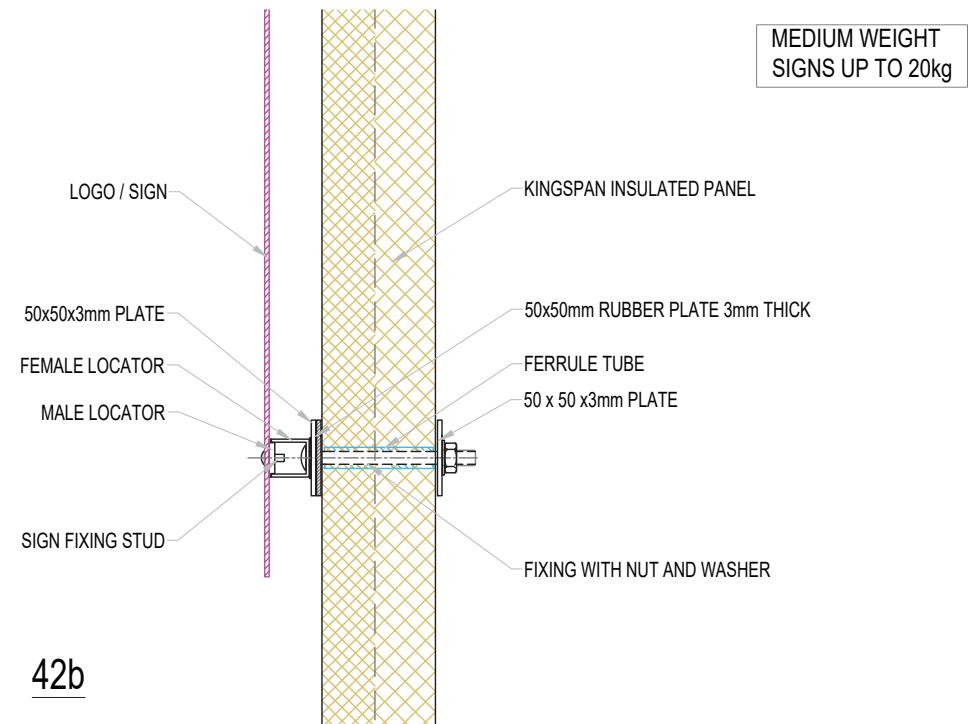
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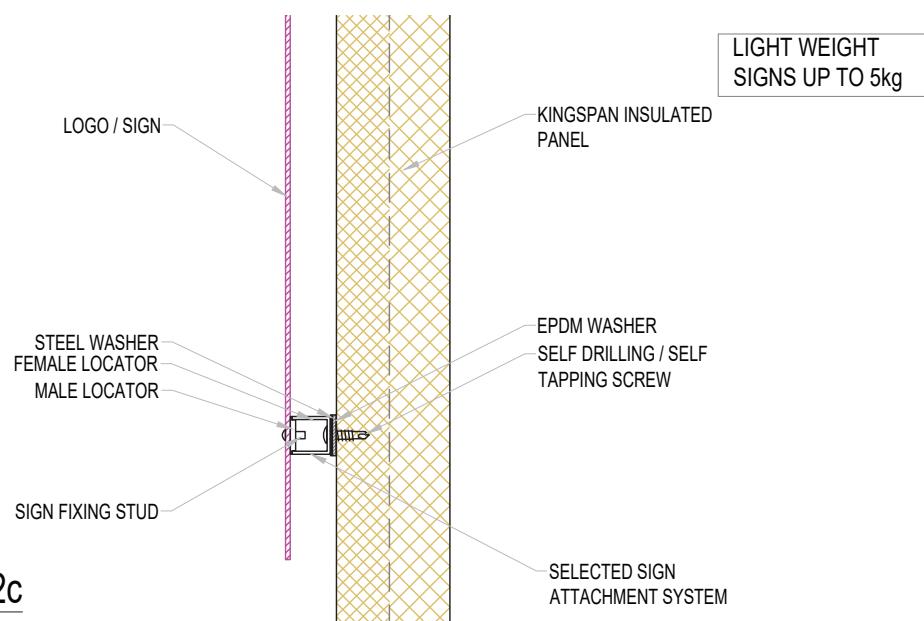
SIGNAGE SUPPORT DETAILS VERT. SECTION



42a



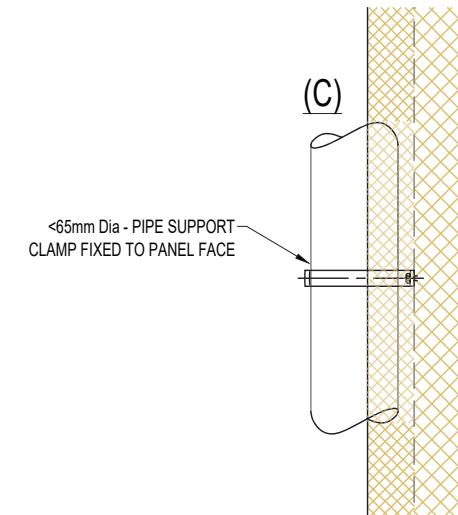
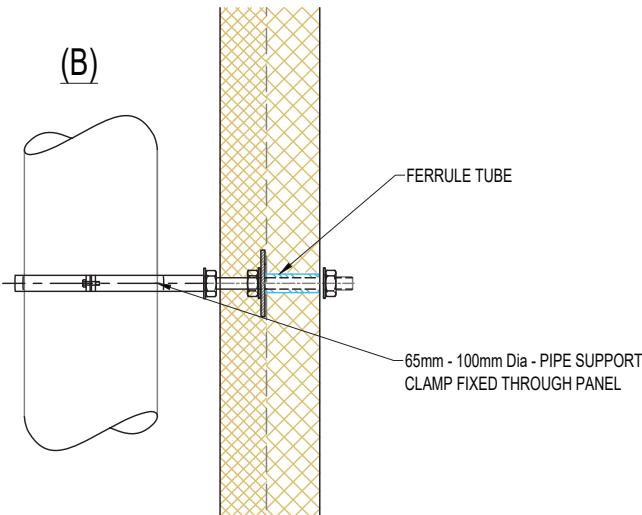
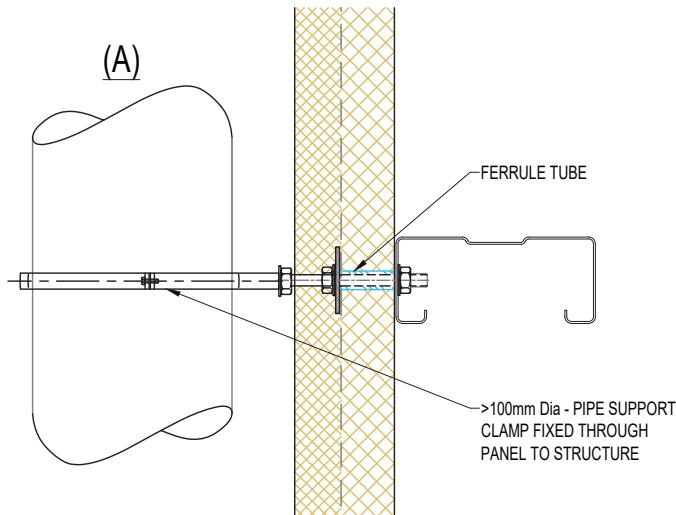
42b



42c

SYSTEM KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION SIGNAGE SUPPORT DETAILS VERT. SECTION		
APPROVED BY JS	DATE 16.11.23	REVISION -
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DOWN-PIPE SUPPORT DETAIL

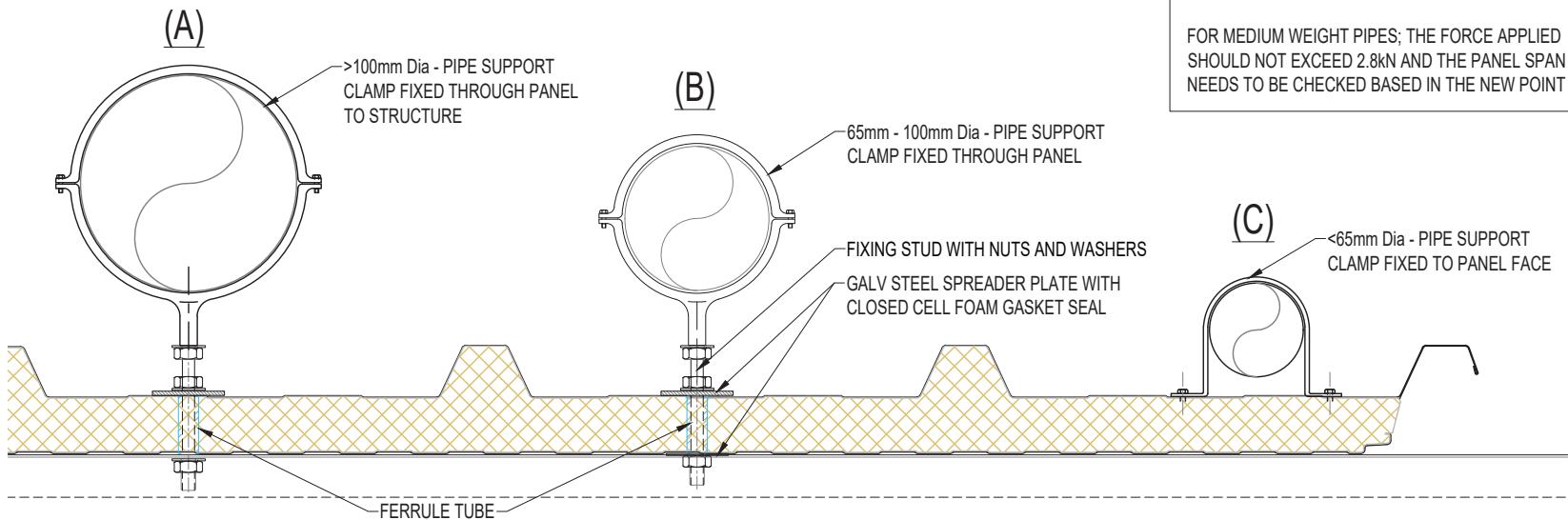


PIPE WEIGHTS ARE INDICATIVE ONLY.

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 KS1000 RW_STD WALL_VERTICAL Q4_2023.DWG		
DESCRIPTION DOWN-PIPE SUPPORT DETAIL		
APPROVED BY JS	DATE 16.11.23	REVISION -
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