

KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

REVISION

0	12/5/25

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CS-PJ-02-KSV	KS INTERIOR ENGAGED JOINT
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INDEX SHEET

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DISCLAIMERS:

THESE DETAILS ARE PROVIDED AS A GUIDELINE FOR PROPER PANEL AND ASSOCIATED COMPONENT INSTALLATION, AND ARE BASED ON INDUSTRY ACCEPTED PRACTICES.

REFRIGERATION EQUIPMENT IN COMBINATION WITH THE TEMPERATURE DIFFERENTIAL BETWEEN BUILDING EXTERIOR AND INTERIOR CAN CREATE NEGATIVE AIR PRESSURE WITHIN THE BUILDING (WARM AIR FROM OUTSIDE THE BUILDING IS DRAWN INTO THE BUILDING THROUGH AIR LEAKS IN THE BUILDING ENVELOPE). AS A RESULT, VAPOR SEALS ARE OF PRIMARY CONCERN TO PROPER COLD STORAGE PERFORMANCE. IN GENERAL, COLD STORAGE FACILITIES REQUIRE THE PRIMARY VAPOR BARRIER TO BE ON THE EXTERIOR (I.E. "WARM" SIDE), RATHER THAN INTERIOR SIDE OF THE PANEL.

CONTACT KINGSPAN TECHNICAL SERVICES FOR SPECIFIC PROJECT FASTENING REQUIREMENTS

EXTRUSION SHAPES / ENGAGEMENT MAY VARY FROM THOSE SHOWN.

PROJECTS LOCATED IN AREAS SUBJECT TO EXTREME COLD AND/OR HIGH SNOW LOADS MAY REQUIRE MODIFICATIONS TO THESE DETAILS - CONTACT KINGSPAN TECHNICAL SERVICES FOR SPECIFIC PROJECT RECOMMENDATIONS.

ALL STRUCTURAL SUPPORTS ARE NOT BY KINGSPAN AND ARE SHOWN FOR CLARIFICATION PURPOSES ONLY.

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CONTROLLED ENVIRONMENT
DISCLAIMER

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CORE DEPTHS:
2", 2.75", 3", 4", 5", 6", 8"

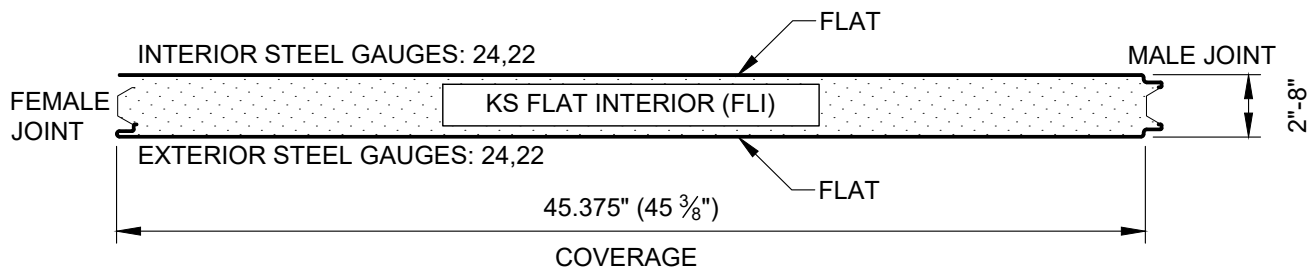
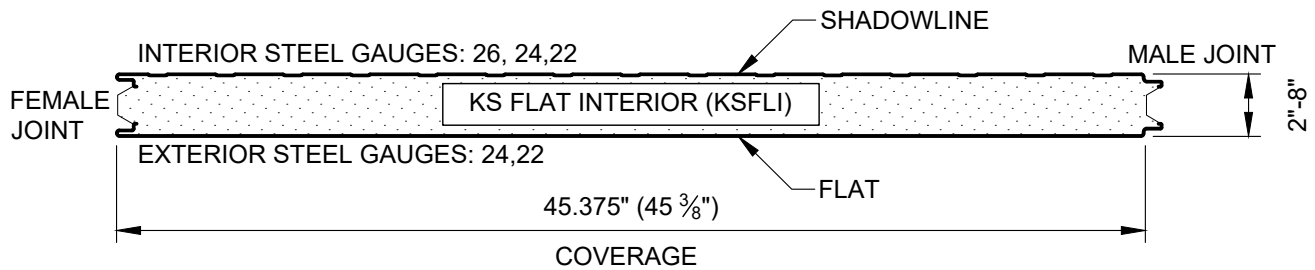
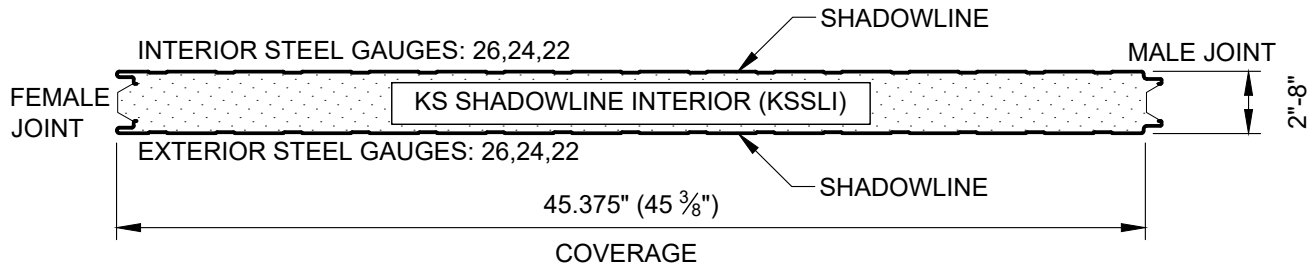
MODULE WIDTH:
45.375" (45 $\frac{3}{8}$ ")

EMBOSSING:
EXTERIOR: STUCCO / SMOOTH
INTERIOR: STUCCO / SMOOTH

STEEL GAUGES:
EXTERIOR: REFER TO PROFILE
INTERIOR: REFER TO PROFILE

PANEL ORIENTATION:
VERTICAL

LENGTHS:
MINIMUM: 8'-0"
MAXIMUM: 53'-0"



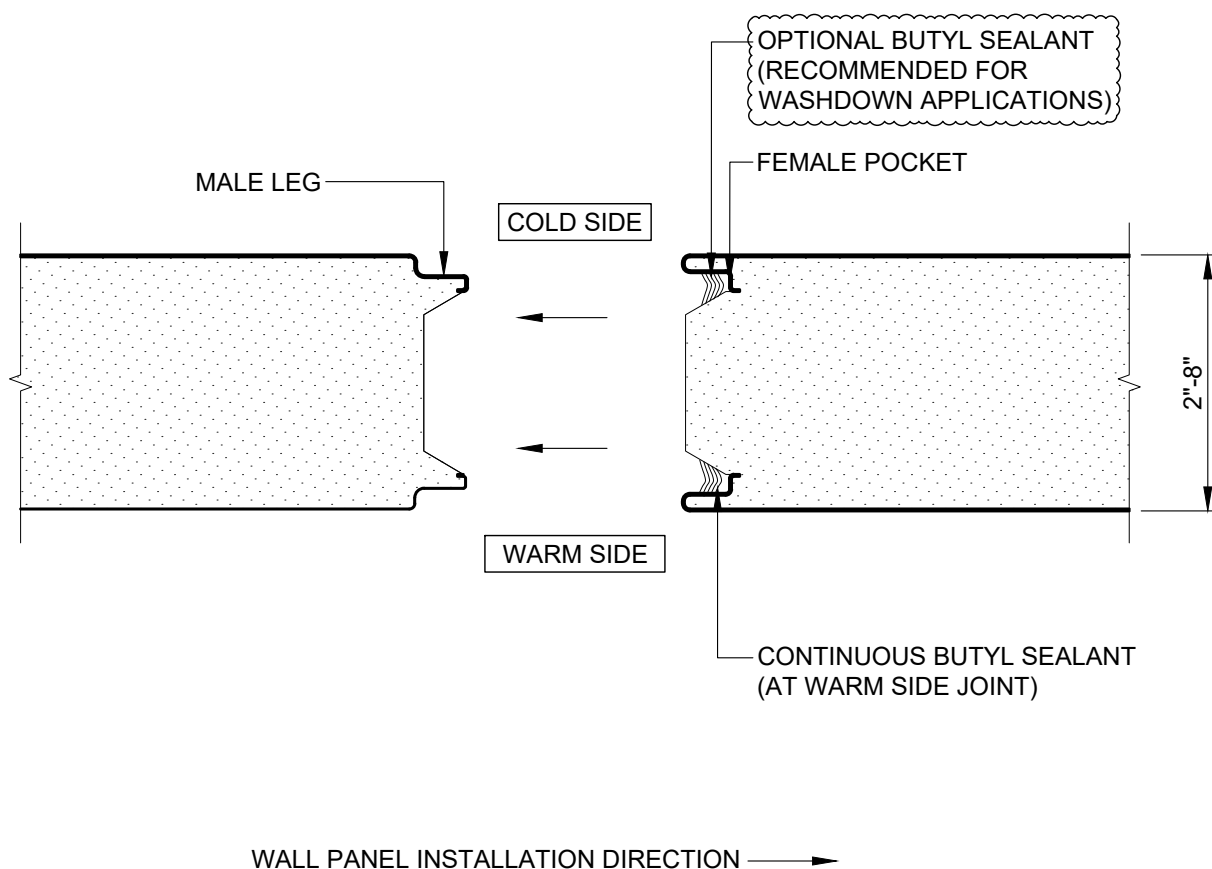
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KS INTERIOR
PANEL PROFILES

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NOTE: FILL FEMALE POCKET(S) 3/4 FULL WITH SEALANT TO PROVIDE PROPER AIR/WATER SEAL

* VERIFY FIRST PANEL ENGAGEMENT AND ADJUST ACCORDINGLY

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KS INTERIOR
EXPANDED JOINT

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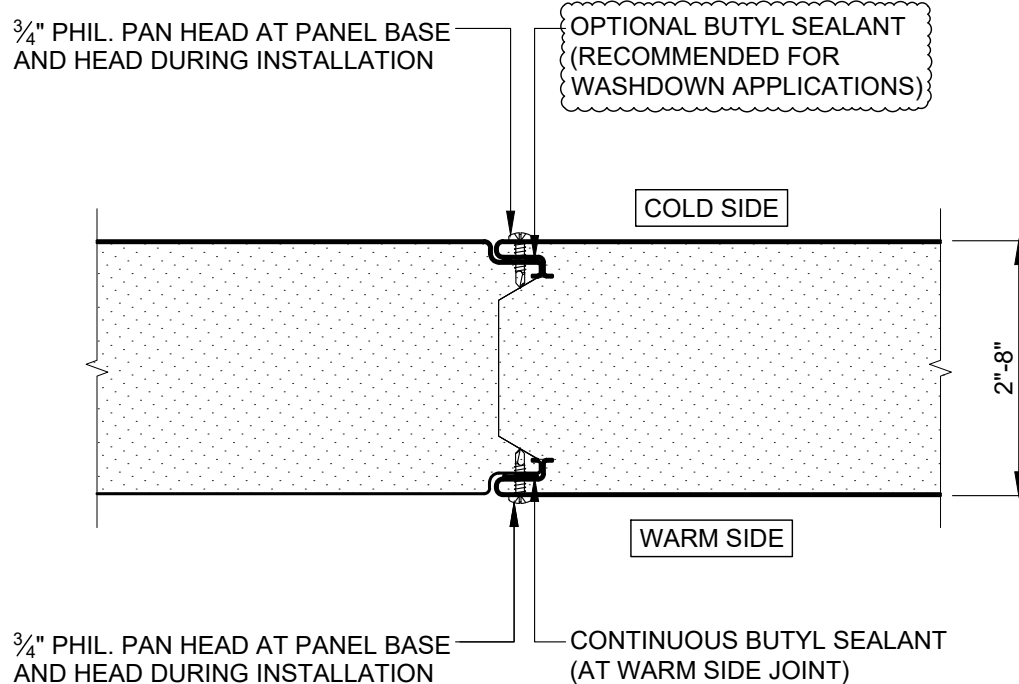
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WALL PANEL INSTALLATION DIRECTION →

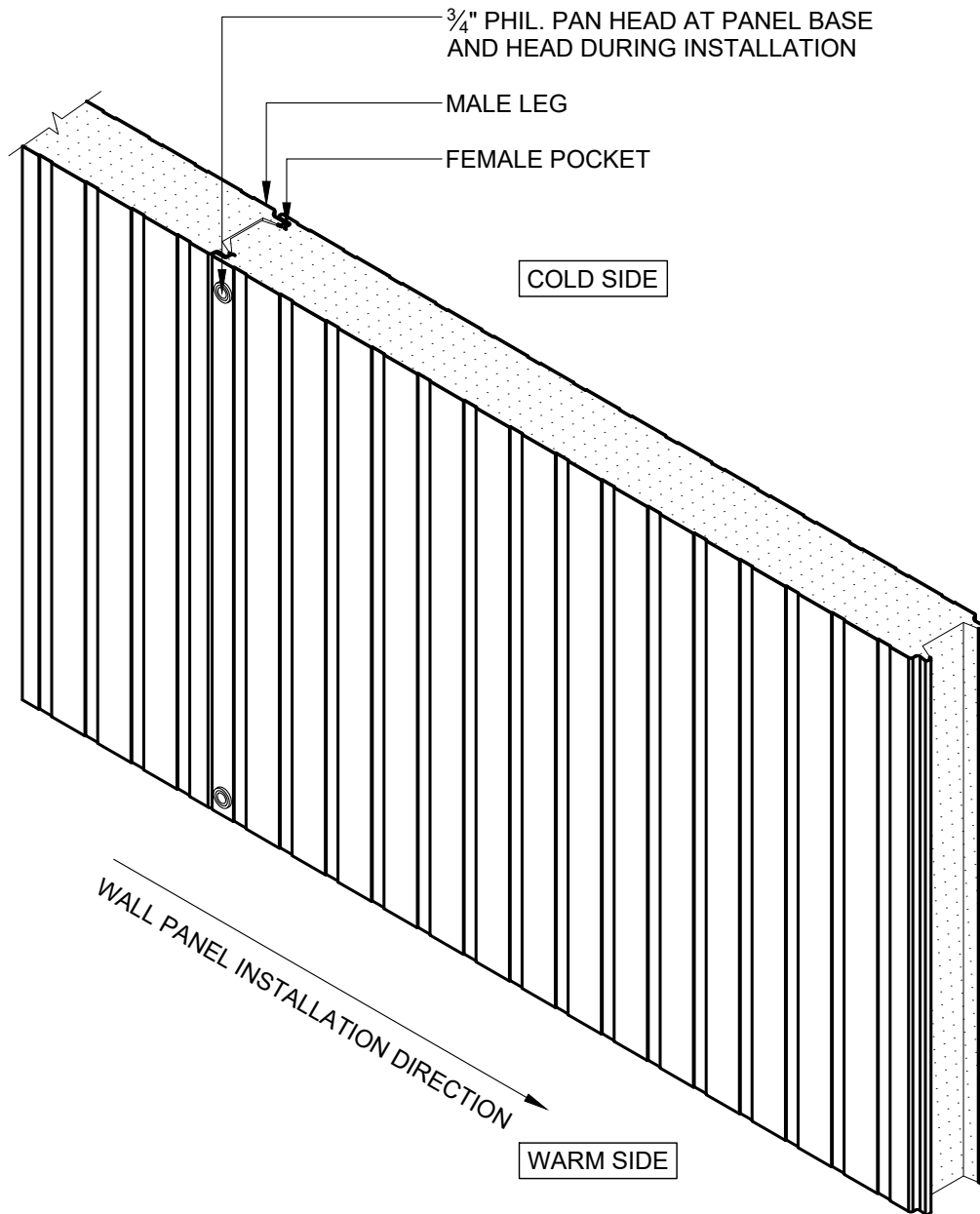
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KS INTERIOR
ENGAGED JOINT

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KS INTERIOR
STANDARD FASTENING ISOMETRIC

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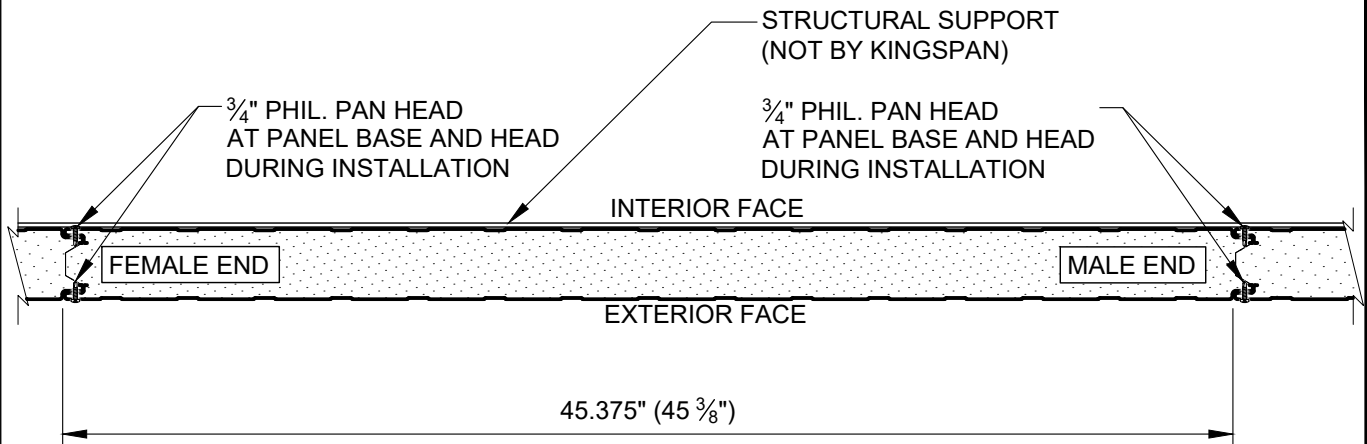
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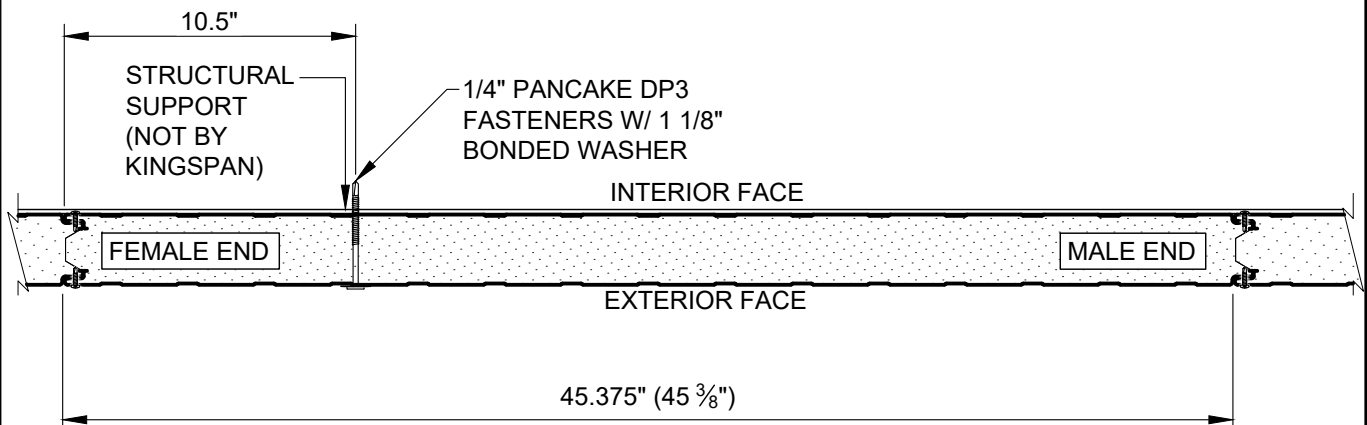
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FASTENING PATTERN 1A
STANDARD JOINT FASTENING WITH $\frac{3}{4}$ " PHIL. PAN HEAD FASTENERS AT PANEL BASE AND HEAD DURING PANEL INSTALLATION



FASTENING PATTERN 2A
STANDARD JOINT FASTENING WITH $\frac{3}{4}$ " PHIL. PAN HEAD FASTENERS AT PANEL BASE AND HEAD DURING PANEL INSTALLATION / ADDITIONAL $\frac{1}{4}$ " PANCAKE THROUGH FASTENER W/ $1 \frac{1}{8}$ " BONDED WASHER 10.5" FROM FEMALE JOINT

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FASTENING PATTERN
KS "1A" - "2A"

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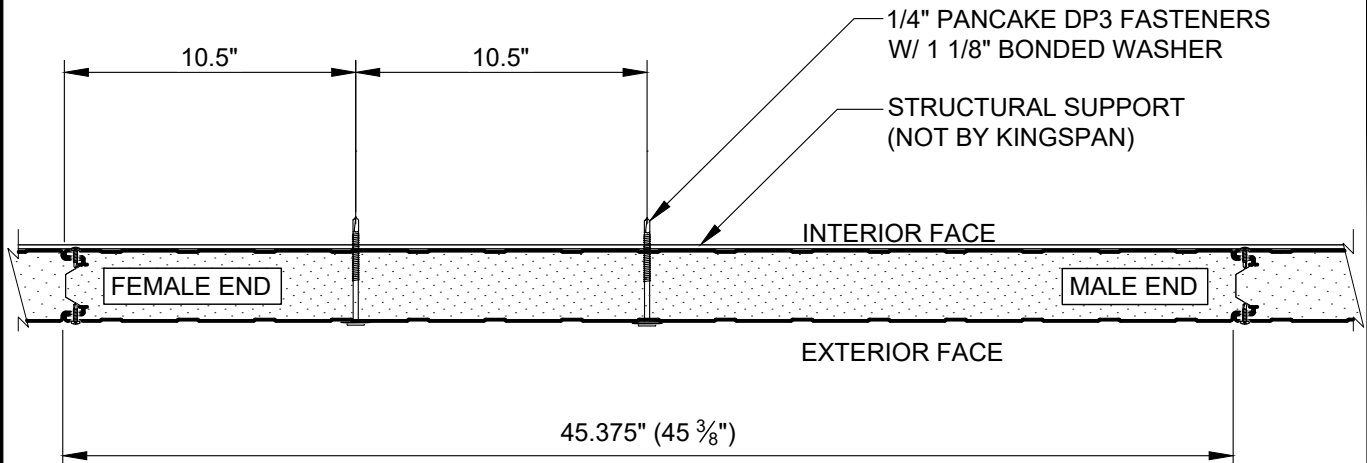
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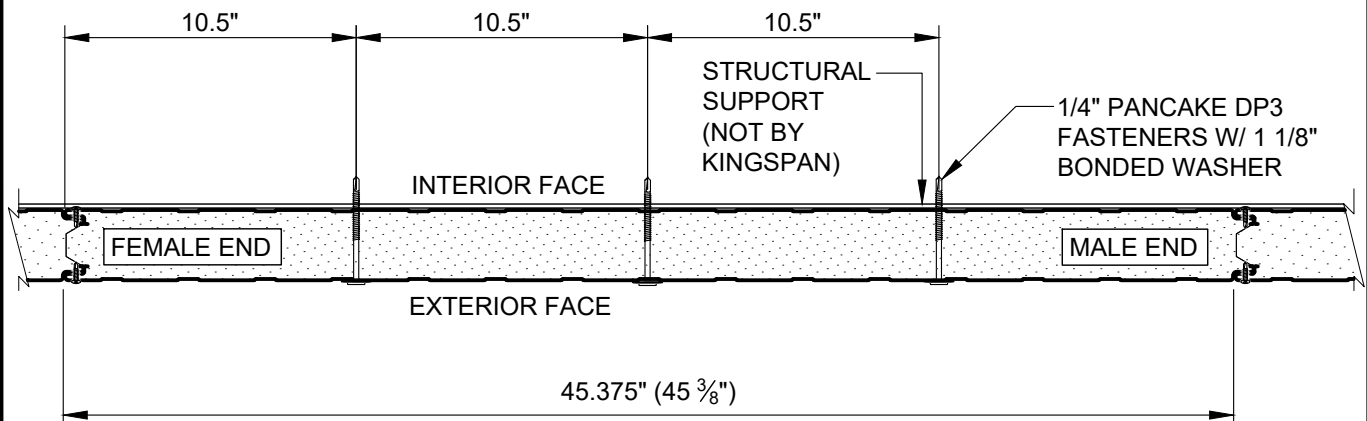


KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



FASTENING PATTERN 3A

STANDARD JOINT FASTENING WITH $\frac{3}{4}$ " PHIL. PAN HEAD FASTENERS AT PANEL BASE AND HEAD DURING PANEL INSTALLATION / 2 ADDITIONAL $\frac{1}{4}$ " PANCAKE THROUGH FASTENER W/ $1 \frac{1}{8}$ " BONDED WASHER SPACED AT 10.5" FROM FEMALE JOINT



FASTENING PATTERN 4A

STANDARD JOINT FASTENING WITH $\frac{3}{4}$ " PHIL. PAN HEAD FASTENERS AT PANEL BASE AND HEAD DURING PANEL INSTALLATION / 3 ADDITIONAL $\frac{1}{4}$ " PANCAKE THROUGH FASTENER W/ $1 \frac{1}{8}$ " BONDED WASHER SPACED AT 10.5" FROM FEMALE JOINT

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FASTENING PATTERN
KS "3A" - "4A"

DETAIL #: CS-FP-02-KSV

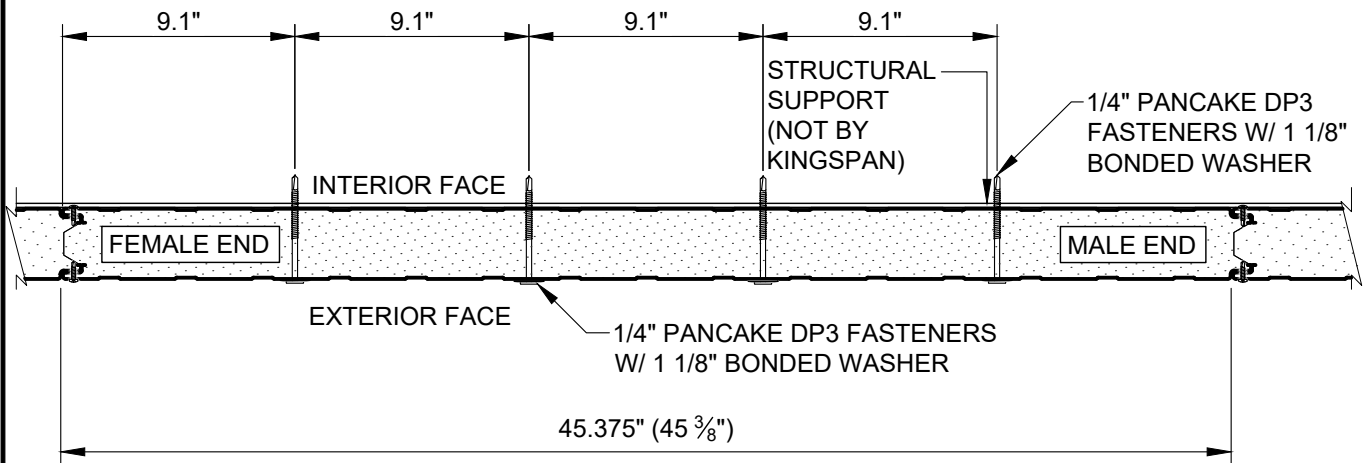
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FASTENING PATTERN 5A

STANDARD JOINT FASTENING WITH $\frac{3}{4}$ " PHIL. PAN HEAD FASTENERS AT PANEL BASE AND HEAD DURING PANEL INSTALLATION / 4 ADDITIONAL $\frac{1}{4}$ " PANCAKE THROUGH FASTENER W/ $1\frac{1}{8}$ " BONDED WASHER SPACED AT 9.1" FROM FEMALE JOINT

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FASTENING PATTERN
KS "5A"

DETAIL #: CS-FP-03-KSV

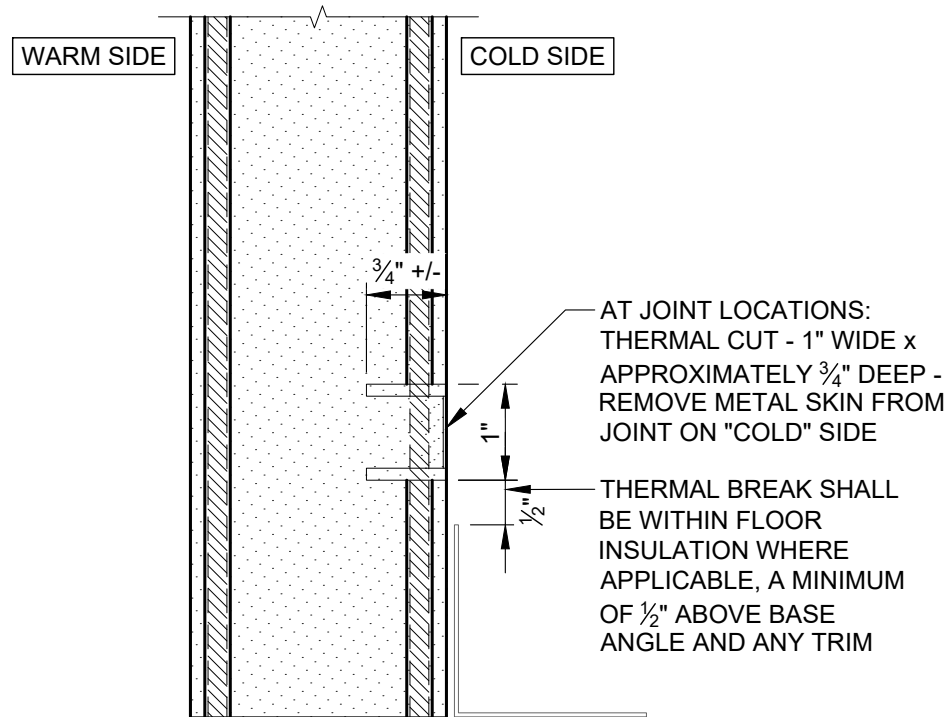
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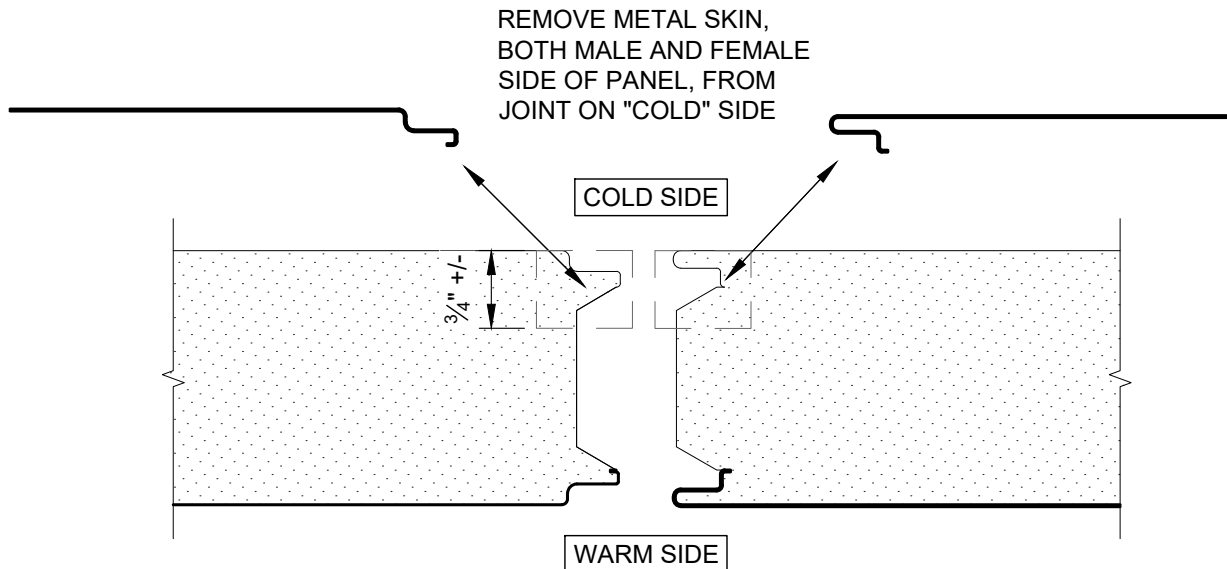
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THERMAL BREAK SECTION CUT



THERMAL BREAK PLAN CUT

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KS THERMAL CUT AT JOINT

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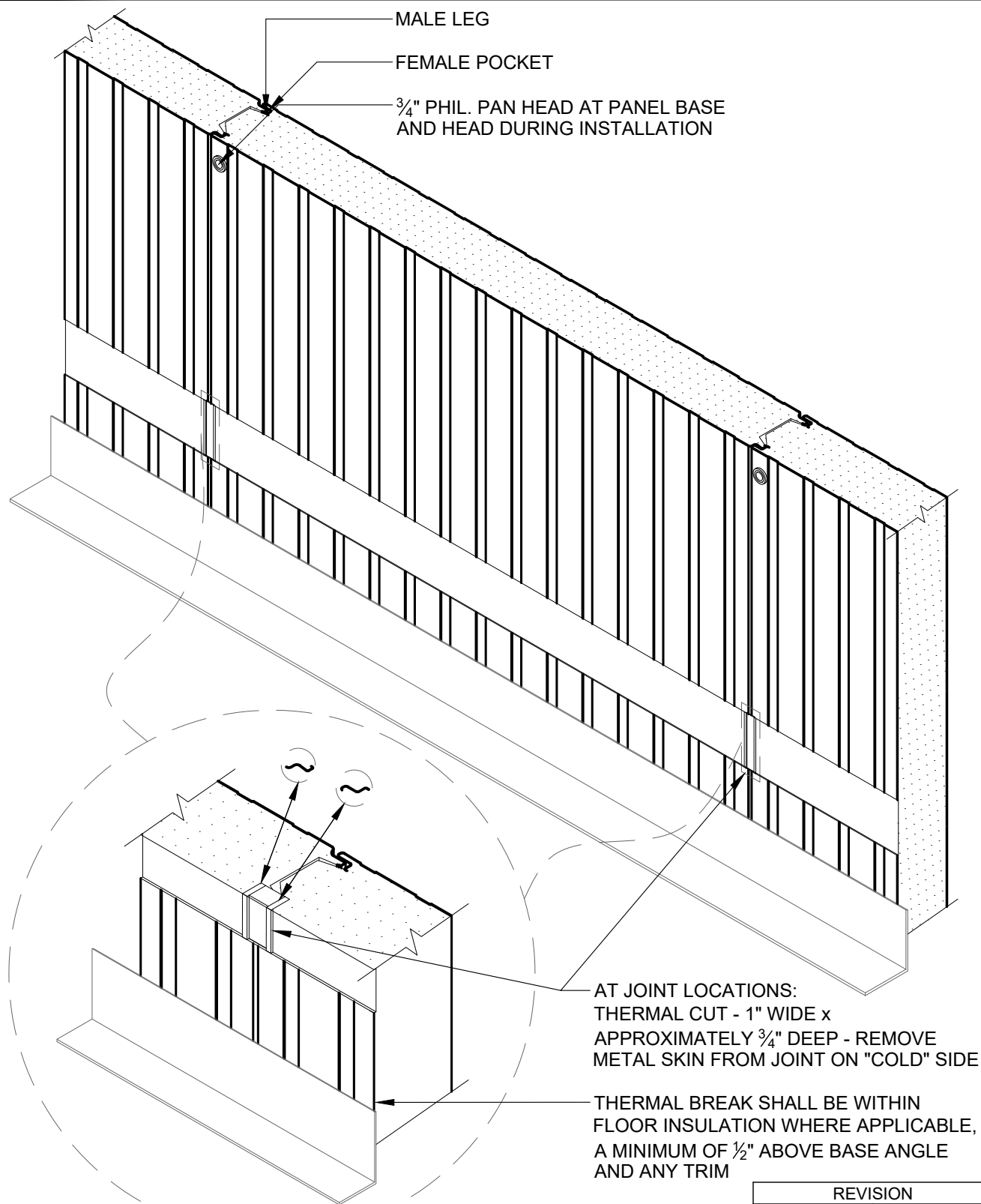
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KS THERMAL CUT AT JOINT
ISOMETRIC

DETAIL #: CS-TC-02-KSV

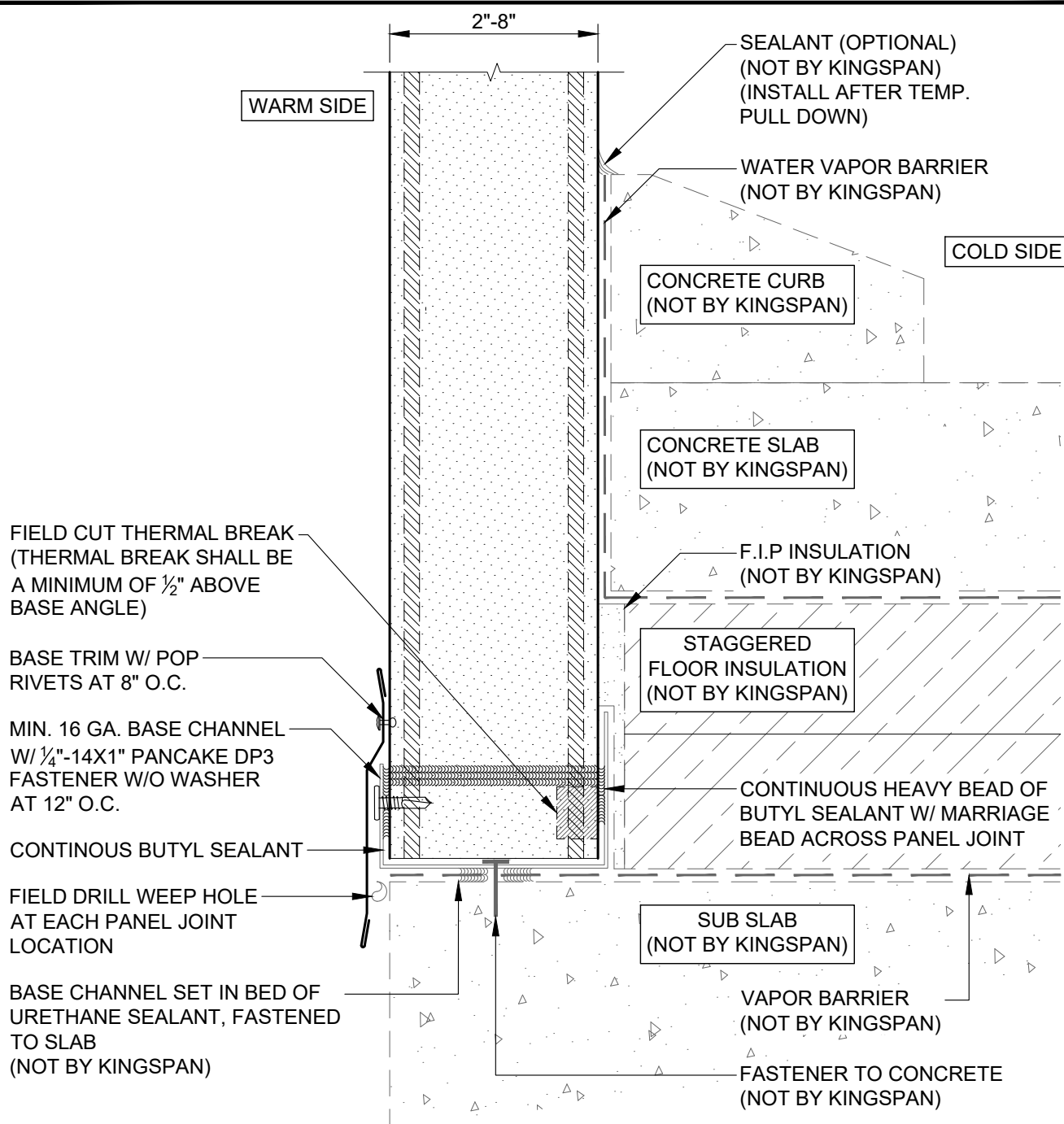
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



NOTES:

- 1) BASE CHANNEL MUST BE FASTENED SECURELY TO SLAB TO RESIST LATERAL LOAD APPLIED BY PANEL
- 2) BASE CHANNEL GAUGE TO BE DETERMINED BY PROJECT ENGINEER OF RECORD
- 3) FLOOR INSULATION REQUIRED FOR FREEZER APPLICATIONS
- 4) PANEL FASTENING PATTERN WILL BE DETERMINED BY KINGSPAN TECHNICAL SERVICES

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BASE DETAIL INSULATED SLAB BASE CHANNEL

DETAIL #: CS-BS-01-KSV

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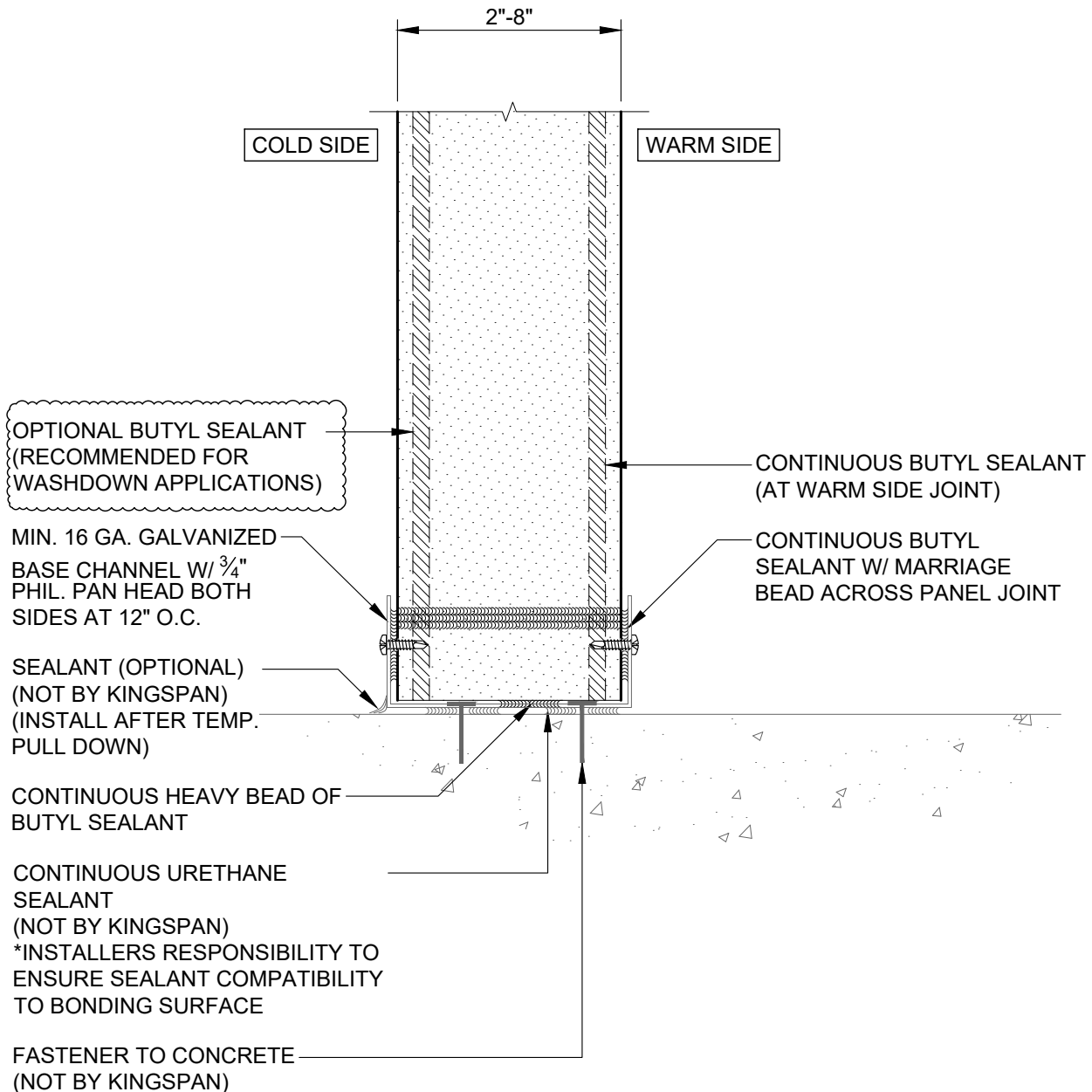
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THIS DETAIL ASSUMES MINIMAL TEMPERATURE DIFFERENTIAL ON EITHER SIDE OF PANEL

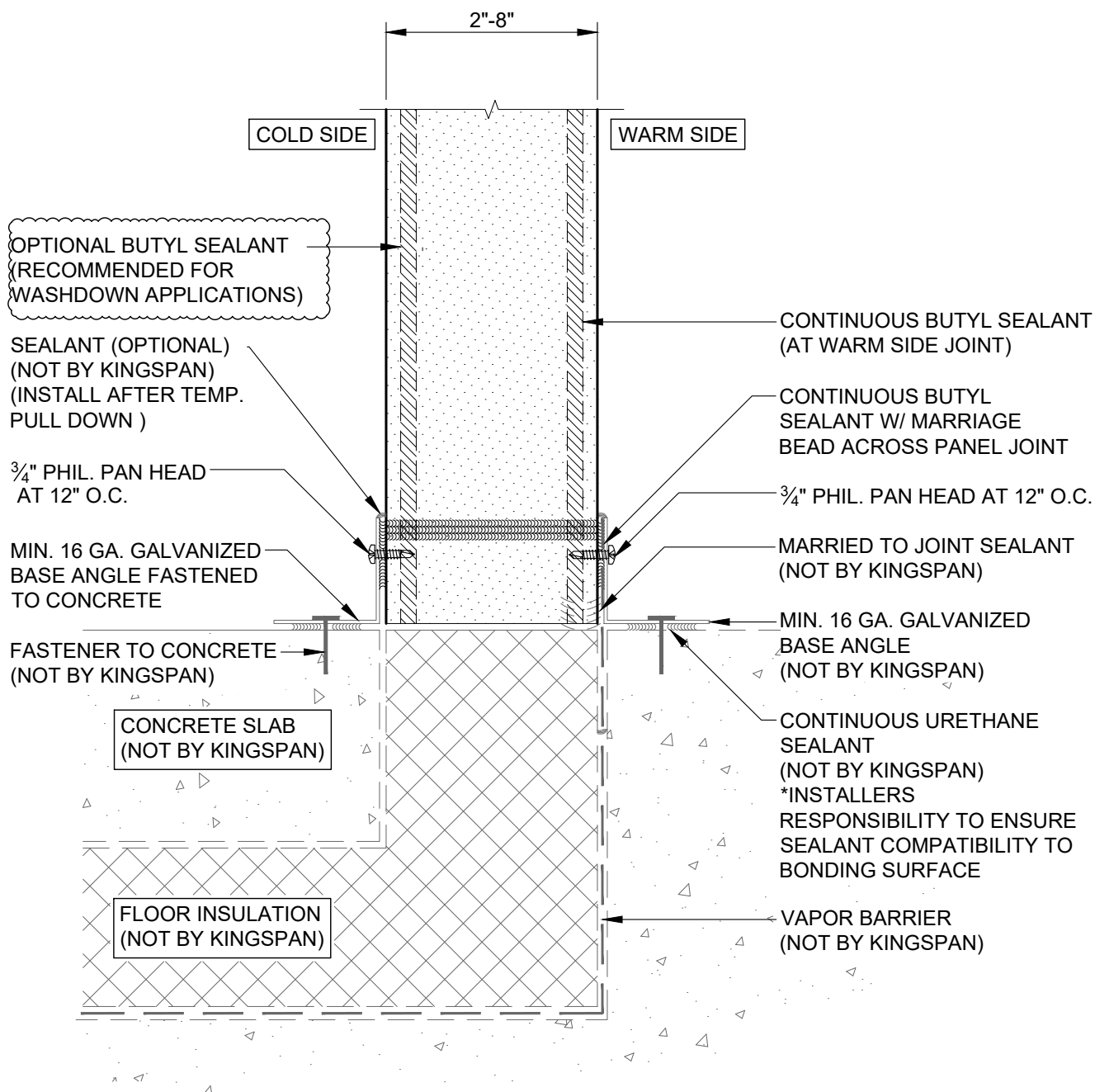
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BASE DETAIL
PARTITION INTERIOR LINER PANEL

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BASE DETAIL
INTERIOR PARTITION W/ INSULATED
FLOOR

DETAIL #: CS-BS-03-KSV

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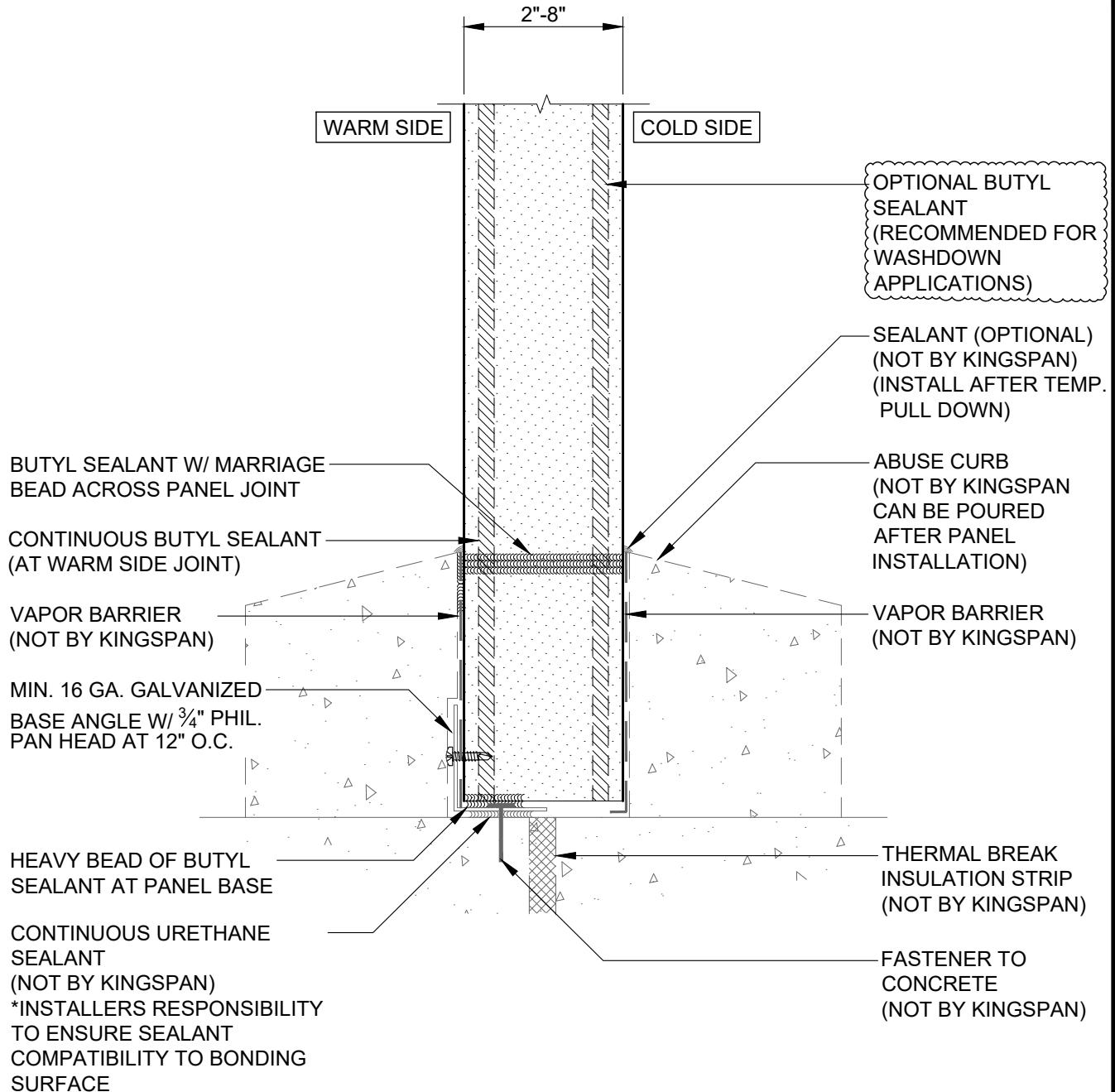
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BASE DETAIL
INTERIOR PARTITION W/ CURB
THERMAL BREAK IN SLAB

DETAIL #: CS-BS-04-KSV

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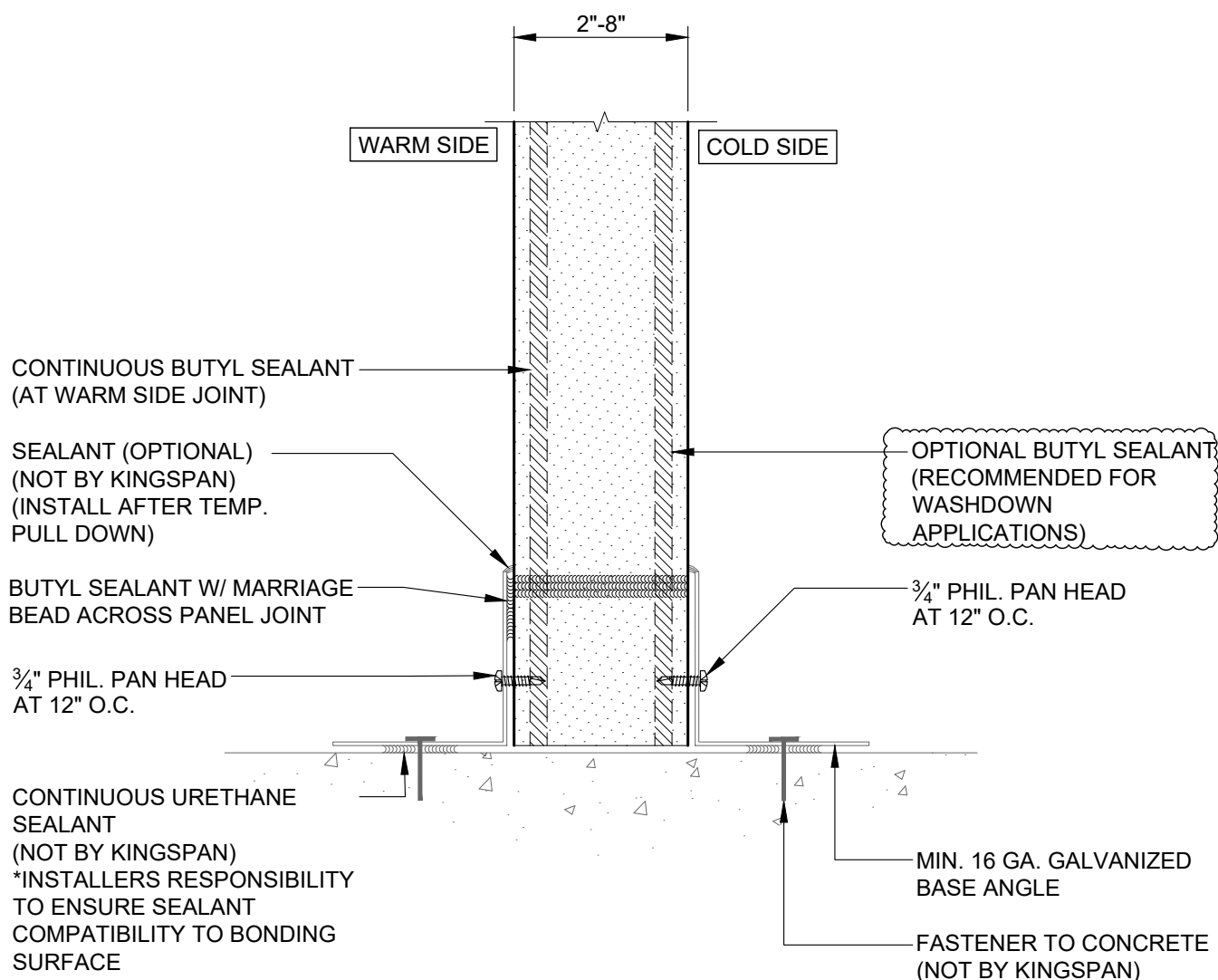
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THIS DETAIL ASSUMES MINIMAL TEMPERATURE DIFFERENTIAL ON EITHER SIDE OF PANEL

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BASE DETAIL
INTERIOR PARTITION WALL

DETAIL #: CS-BS-05-KSV

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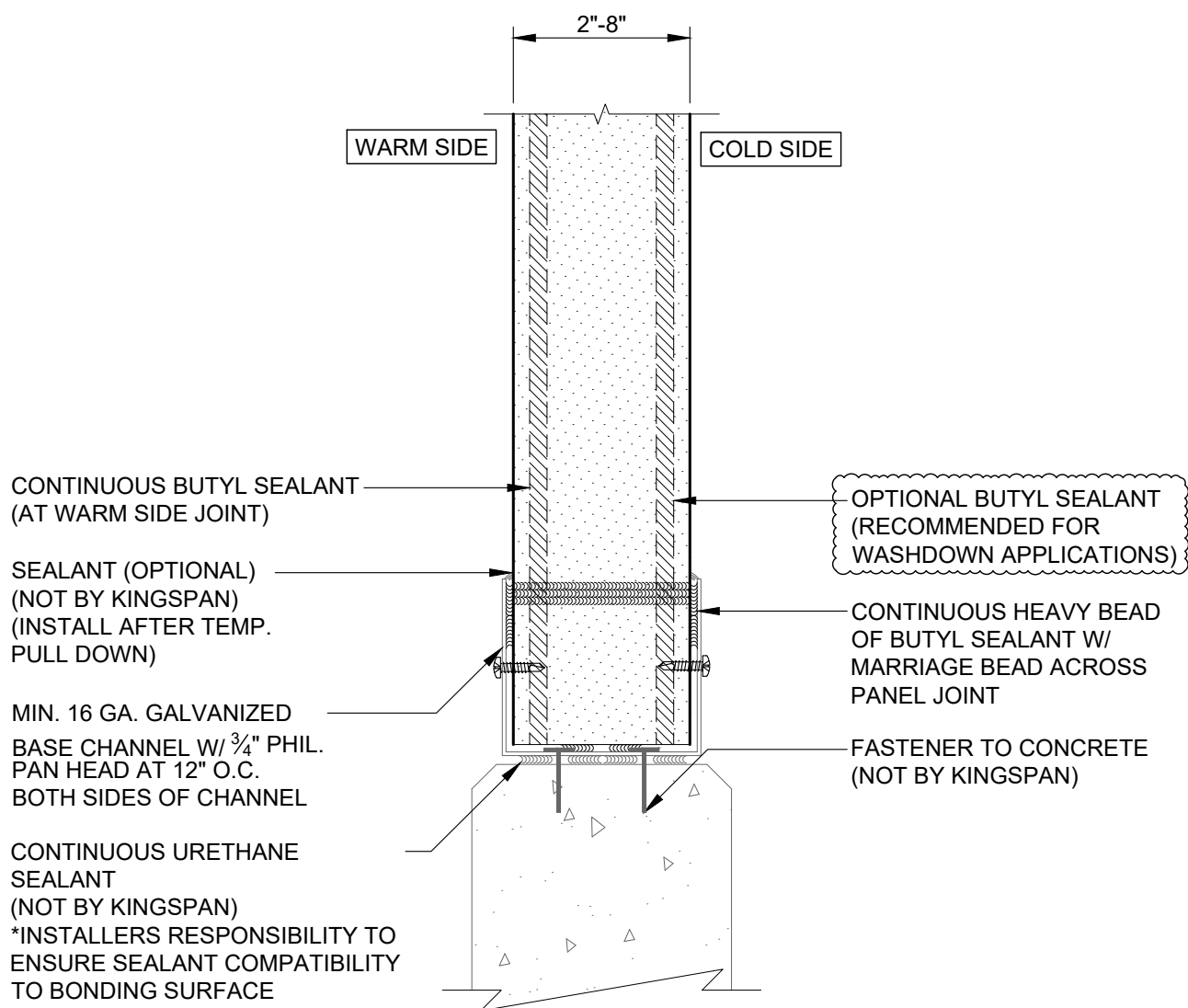
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BASE DETAIL
INTERIOR PARTITION WALL ON CURB

DETAIL #: CS-BS-06-KSV

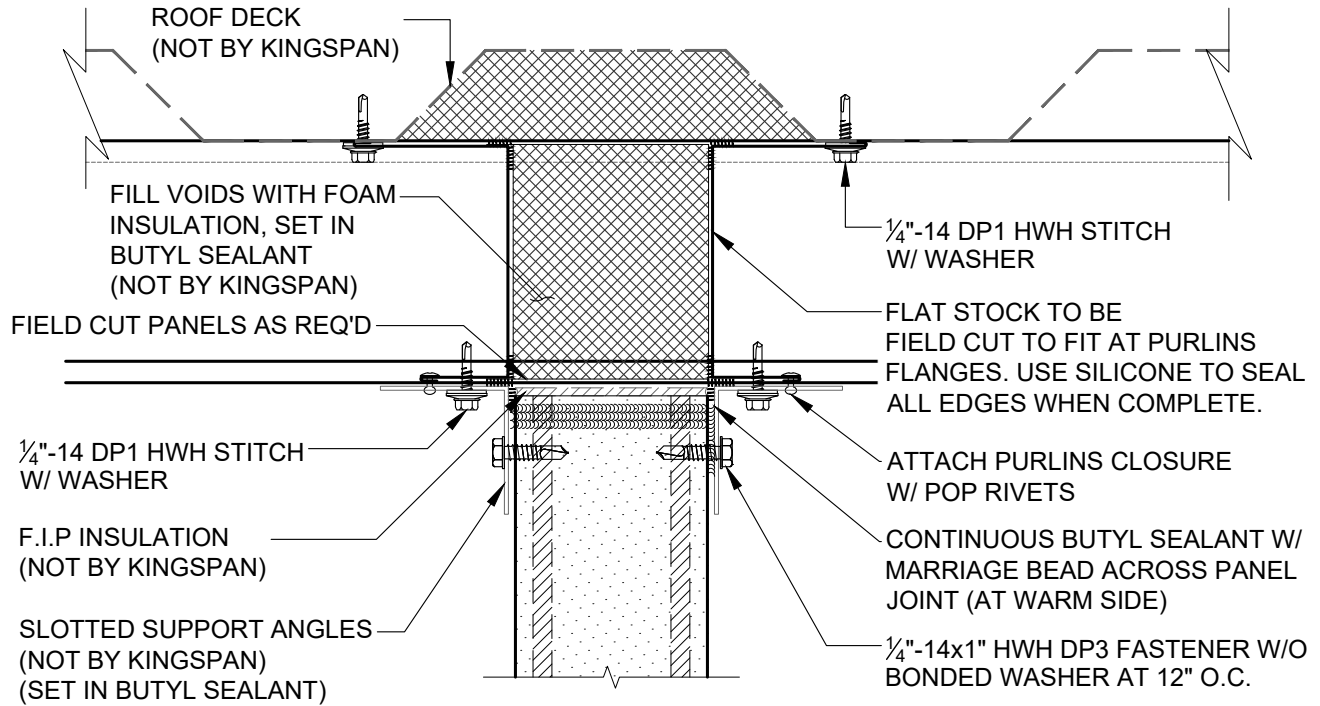
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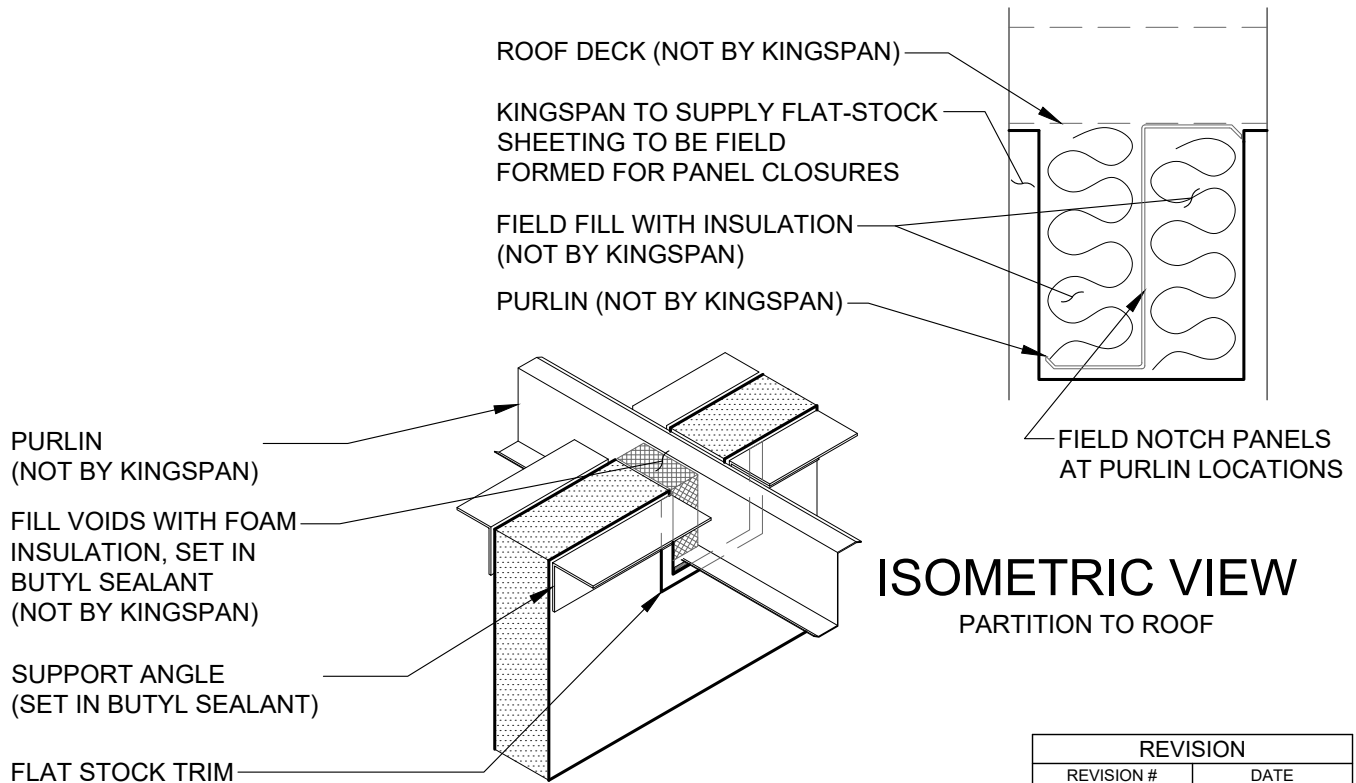


KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



PARTITION TO ROOF (WITH FOAM INSULATION)

(PERPENDICULAR TO PURLIN)



ISOMETRIC VIEW

PARTITION TO ROOF

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PARTITION WALL TO FLOOR / ROOF

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COMPRESSIBLE INSULATION
(NOT BY KINGSPAN)

ROOF DECK
(NOT BY KINGSPAN)

FAB LOK FASTENERS
AS REQUIRED

F.I.P INSULATION
(NOT BY KINGSPAN)

1/4"-14x1" HWH DP3 FASTENER W/O
BONDED WASHER AT 12" O.C.

PURLIN
(NOT BY KINGSPAN)

REFER TO CS-PR-01-KSV FOR
ISOMETRIC VIEWS

CONTINUOUS BUTYL
SEALANT W/ MARRIAGE
BEAD ACROSS PANEL JOINT
(AT WARM SIDE)

SLOTTED SUPPORT ANGLES
(NOT BY KINGSPAN)
(SET IN BUTYL SEALANT)

PARTITION TO ROOF

(PERPENDICULAR TO PURLIN)

ROOF DECK (NOT BY KINGSPAN)

KINGSPAN TO SUPPLY FLAT-STOCK
SHEETING TO BE FIELD
FORMED FOR PANEL CLOSURES

FIELD FILL WITH INSULATION
(NOT BY KINGSPAN)

PURLIN (NOT BY KINGSPAN)

FIELD NOTCH PANELS
AT PURLIN LOCATIONS

PURLIN
(NOT BY KINGSPAN)

FILL VOIDS WITH FOAM
INSULATION, SET IN
BUTYL SEALANT
(NOT BY KINGSPAN)

SUPPORT ANGLE
(SET IN BUTYL SEALANT)

FLAT STOCK TRIM

ISOMETRIC VIEW

PARTITION TO ROOF

REVISION

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PARTITION WALL TO FLOOR / ROOF
THROUGH FRAMING

DETAIL #: CS-PR-02-KSV

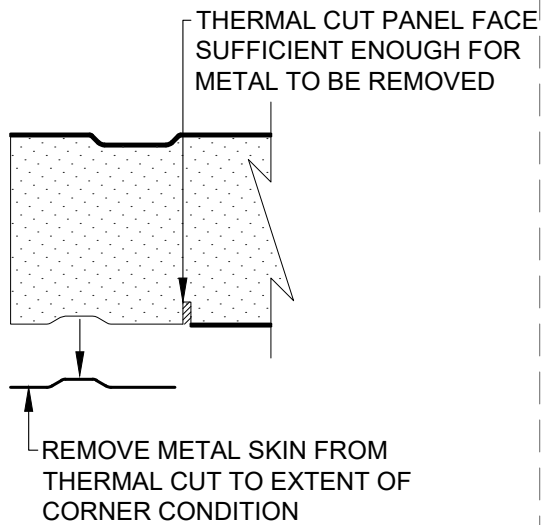
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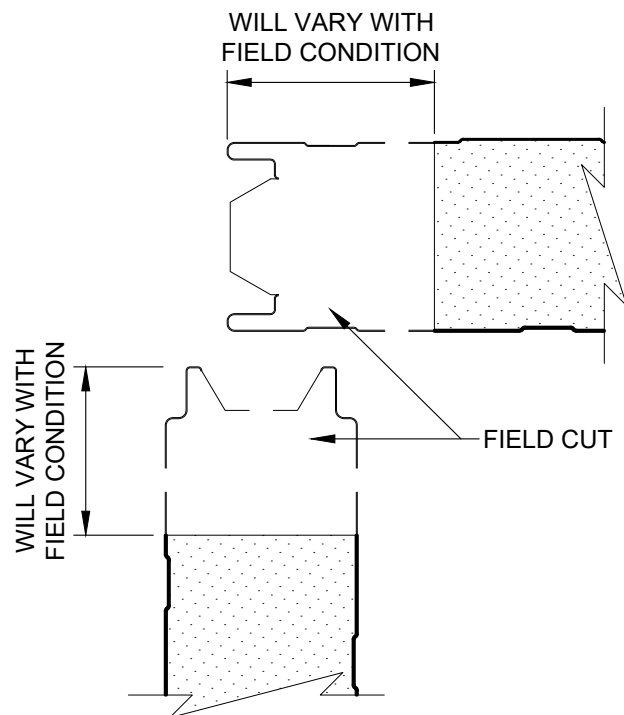
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



2" PANEL - REMOVE 1"
 2.5" PANEL - REMOVE 1.25"
 3" PANEL - REMOVE 1.5"
 4" PANEL - REMOVE 2"
 5" PANEL - REMOVE 2.5"
 6" PANEL - REMOVE - 3"



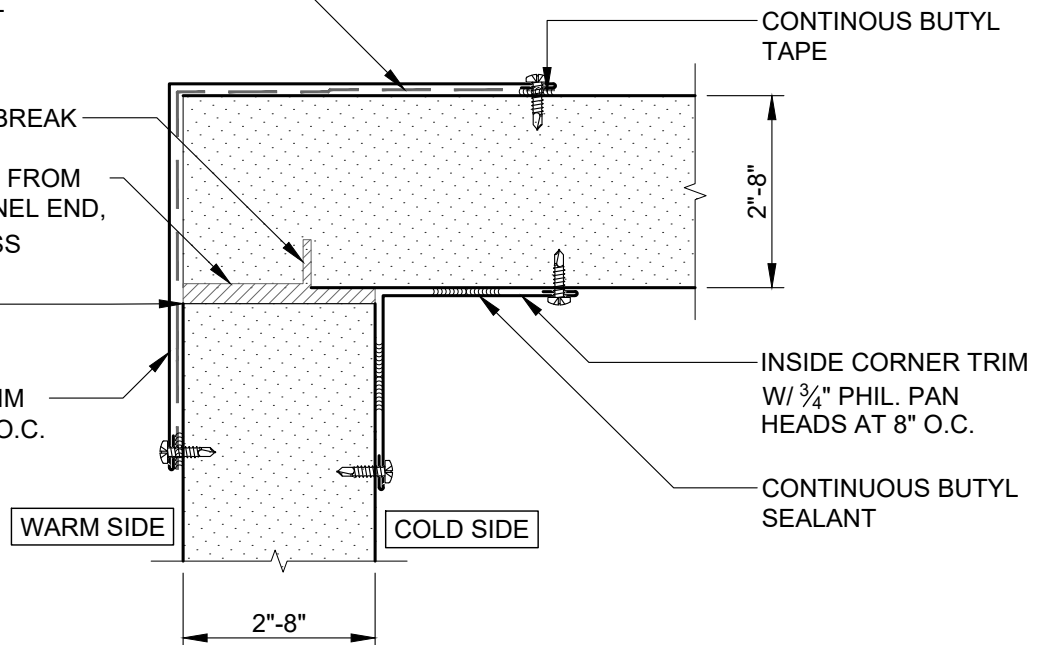
VAPOR BARRIER
 (NOT BY KINGSPAN)
 (GREENGUARD BUTYL
 FLASHING OPTIONAL
 BY KINGSPAN)

FIELD CUT THERMAL BREAK

REMOVE METAL SKIN FROM
 THERMAL CUT TO PANEL END,
 $\frac{1}{2}$ OF PANEL THICKNESS

F.I.P. INSULATION
 (NOT BY KINGSPAN)

OUTSIDE CORNER TRIM
 W/ POP RIVETS AT 8" O.C.



KINGSPAN ENGINEERING MUST CONFIRM THE FASTENING SHOWN IN THIS DETAIL MEETS
 THE REQUIRED LOADS

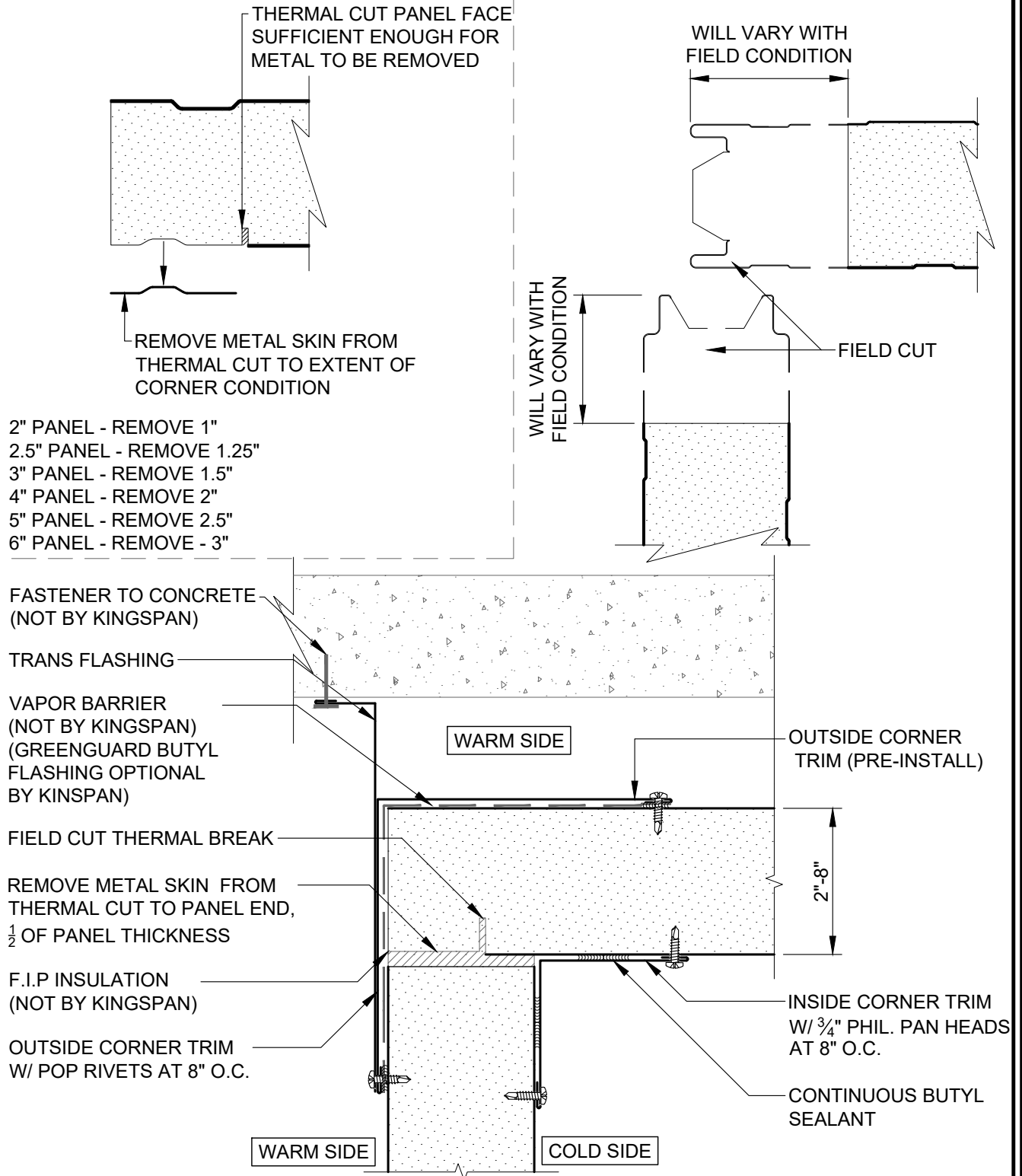
REVISION	
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OUTSIDE CORNER
 PARTITION WALL

DETAIL #: CS-OC-01-KSV
 RELEASE: 2025
 REGION: NORTH AMERICA
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



KINGSPAN ENGINEERING MUST CONFIRM THE FASTENING SHOWN IN THIS DETAIL MEETS THE REQUIRED LOADS

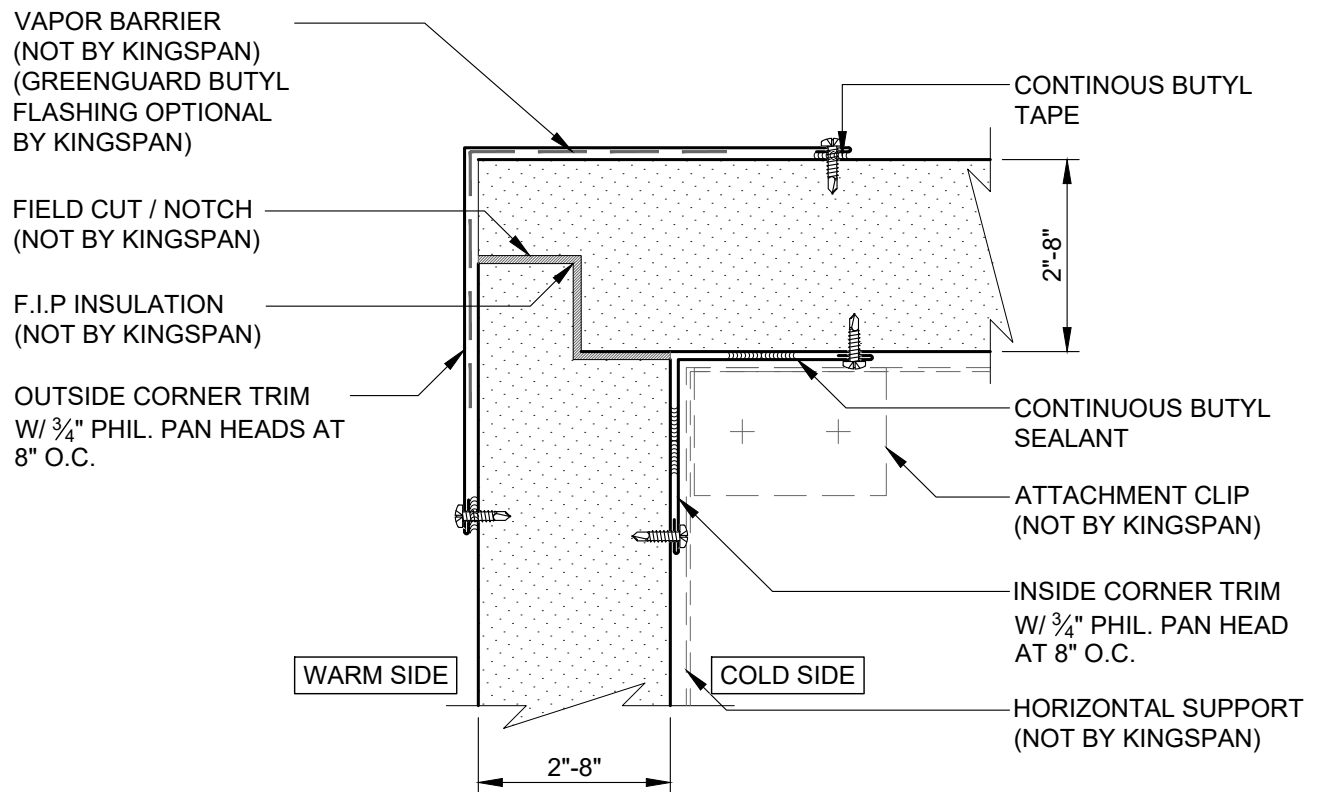
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OUTSIDE CORNER
LINER PANEL AT CONCRETE WALL

DETAIL #: CS-OC-02-KSV
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



ALTERNATE FIELD CUT / NOTCHED CORNER

FASTENERS AND EXTERIOR TRIM NOT SHOWN FOR CLARITY, TRIMS AND FASTENERS ARE REQUIRED

REVISION	
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OUTSIDE CORNER
ALT. FIELD CUT

DETAIL #: CS-OC-03-KSV

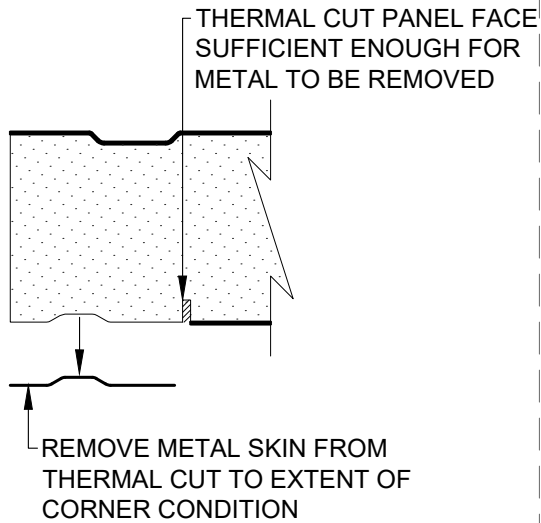
RELEASE: 2025

REGION: NORTH AMERICA

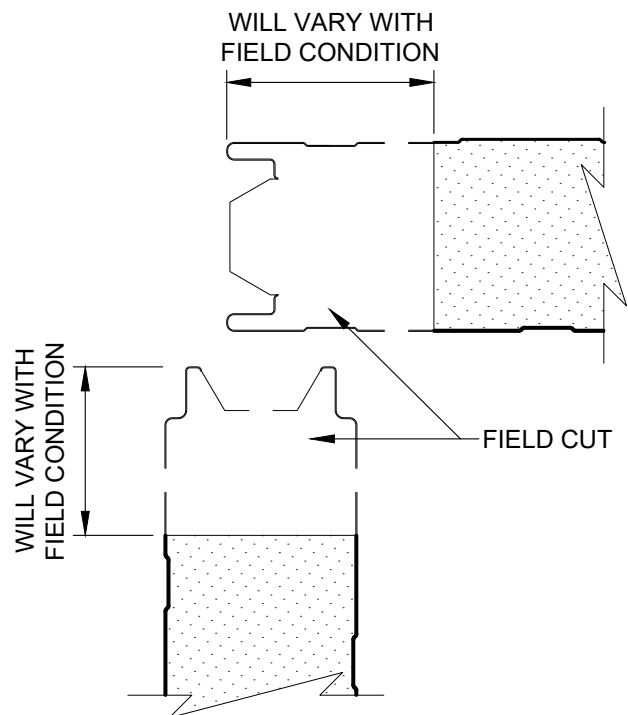
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



- 2" PANEL - REMOVE 1"
- 2.5" PANEL - REMOVE 1.25"
- 3" PANEL - REMOVE 1.5"
- 4" PANEL - REMOVE 2"
- 5" PANEL - REMOVE 2.5"
- 6" PANEL - REMOVE - 3"



FIELD CUT THERMAL BREAK

REMOVE METAL SKIN FROM THERMAL CUT TO PANEL END, 1/2 OF PANEL THICKNESS

F.I.P. INSULATION (NOT BY KINGSPAN)

OUTSIDE CORNER TRIM W/ 3/4" PHIL. PAN HEADS AT 8" O.C.

CONTINUOUS BUTYL SEALANT

COLD SIDE

WARM SIDE

VAPOR BARRIER (NOT BY KINGSPAN) (GREENGUARD BUTYL FLASHING OPTIONAL BY KINGSPAN)

INSIDE CORNER TRIM W/ 3/4" PHIL. PAN HEADS AT 8" O.C.

CONTINUOUS BUTYL TAPE

KINGSPAN ENGINEERING MUST CONFIRM THE FASTENING SHOWN IN THIS DETAIL MEETS THE REQUIRED LOADS

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INTERIOR PARTITION
INSIDE CORNER
FLAT TRIM

DETAIL #: CS-IC-01-KSV

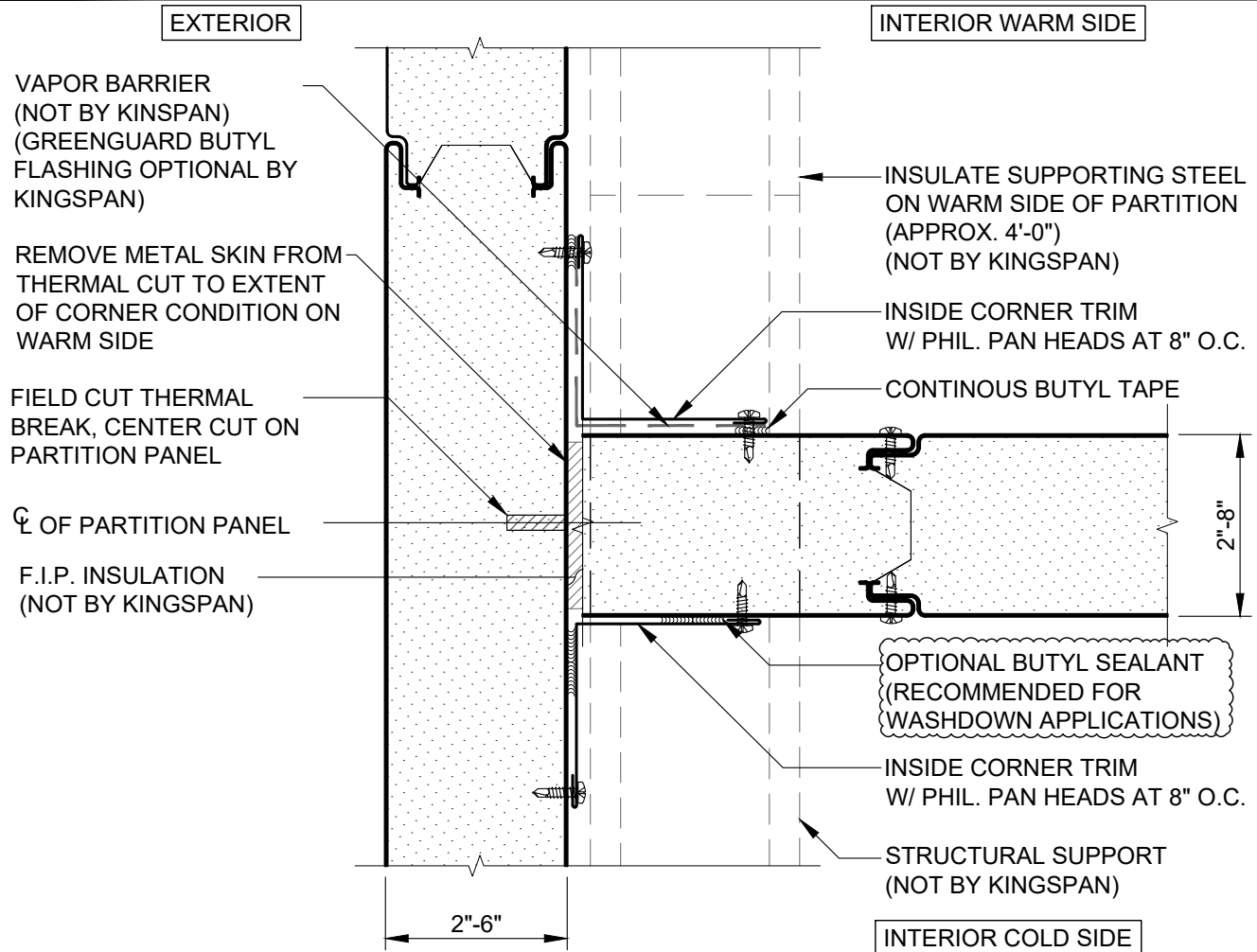
RELEASE: 2025

REGION: NORTH AMERICA

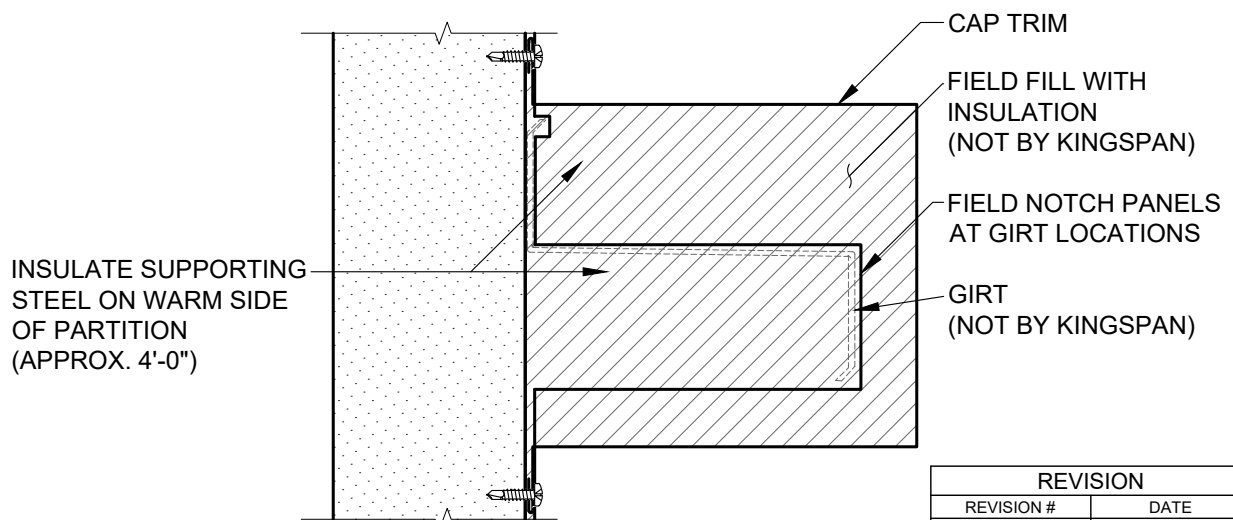
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



ADDITIONAL FASTENERS MAY BE REQUIRED ON EITHER SIDE OF THE FIELD CUT THERMAL BREAK BASED UPON ACTUAL DESIGN LOADS AND THERMAL REQUIREMENTS.



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INTERIOR PARTITION TO EXTERIOR
WALL
THROUGH FRAMING

DETAIL #: CS-IC-02-KSV

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REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

REMOVE METAL SKIN FROM
THERMAL CUT TO EXTENT
OF CORNER CONDITION ON
WARM SIDE

F.I.P. INSULATION
(NOT BY KINGSPAN)

INSIDE CORNER TRIM
W/ 3/4" PHIL. PAN
HEADS AT 8" O.C.

STRUCTURAL
SUPPORT
(NOT BY KINGSPAN)

KS WALL PANEL

KS INTERIOR PANEL

CAP TRIM
W/ 3/4" PHIL. PAN
HEADS AT 8" O.C.

STRUCTURAL
SUPPORT
(NOT BY KINGSPAN)

KS WALL PANEL

REVISION

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INTERIOR PARTITION TO EXTERIOR
WALL
ISOMETRIC VIEWS

DETAIL #: CS-IC-03-KSV

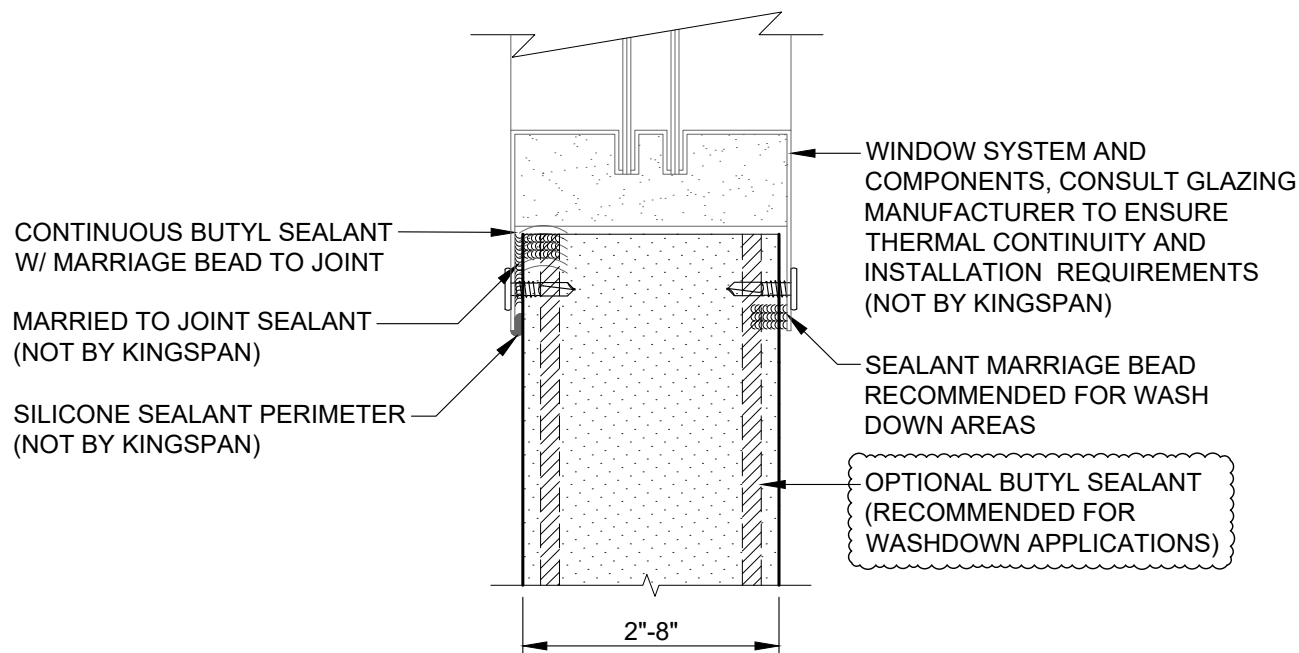
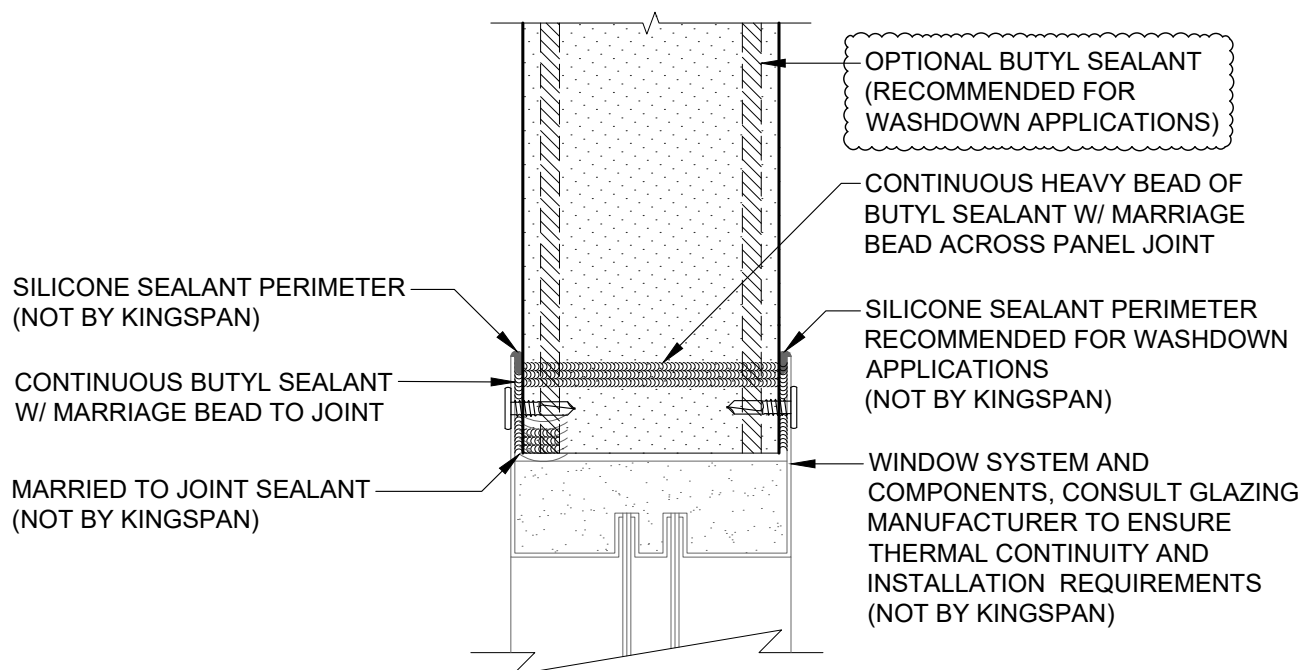
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REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



INTERIOR APPLICATION ONLY

THIS DETAIL ASSUMES MINIMAL TEMPERATURE DIFFERENTIAL ON EITHER SIDE OF PANEL. CONSULT KINGSPAN ENGINEERING TO DETERMINE FASTENING AND ANY STRUCTURAL REQUIREMENTS.

REVISION	
REVISION #	DATE
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FRAMED OPENING HEAD / SILL
DOUBLE PAN

DETAIL #: CS-FO-01-KSV

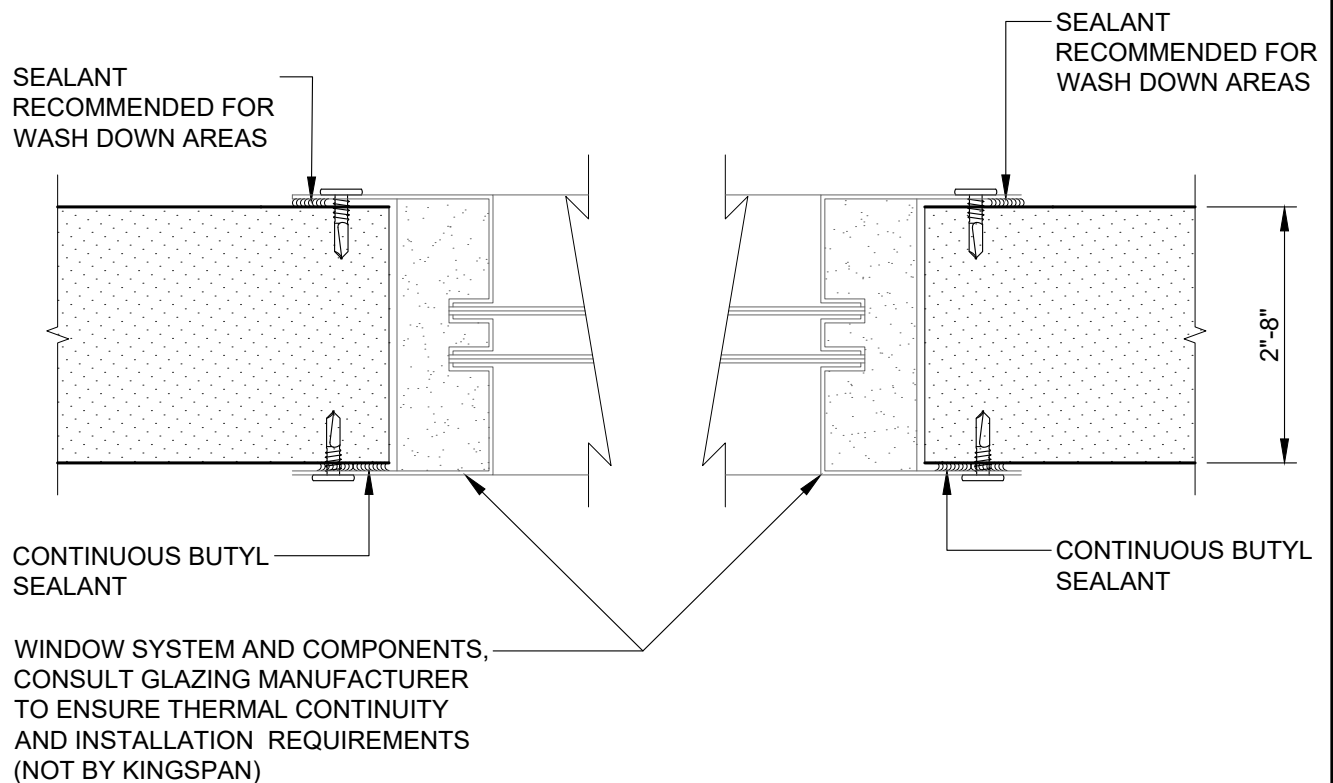
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REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



INTERIOR APPLICATION ONLY

THIS DETAIL ASSUMES MINIMAL TEMPERATURE DIFFERENTIAL ON EITHER SIDE OF PANEL.
CONSULT KINGSPAN ENGINEERING TO DETERMINE FASTENING AND ANY STRUCTURAL REQUIREMENTS.

REVISION	
REVISION #	DATE
0	12/5/25

FRAMED OPENING JAMB
DOUBLE PAN

DETAIL #: CS-FO-02-KSV

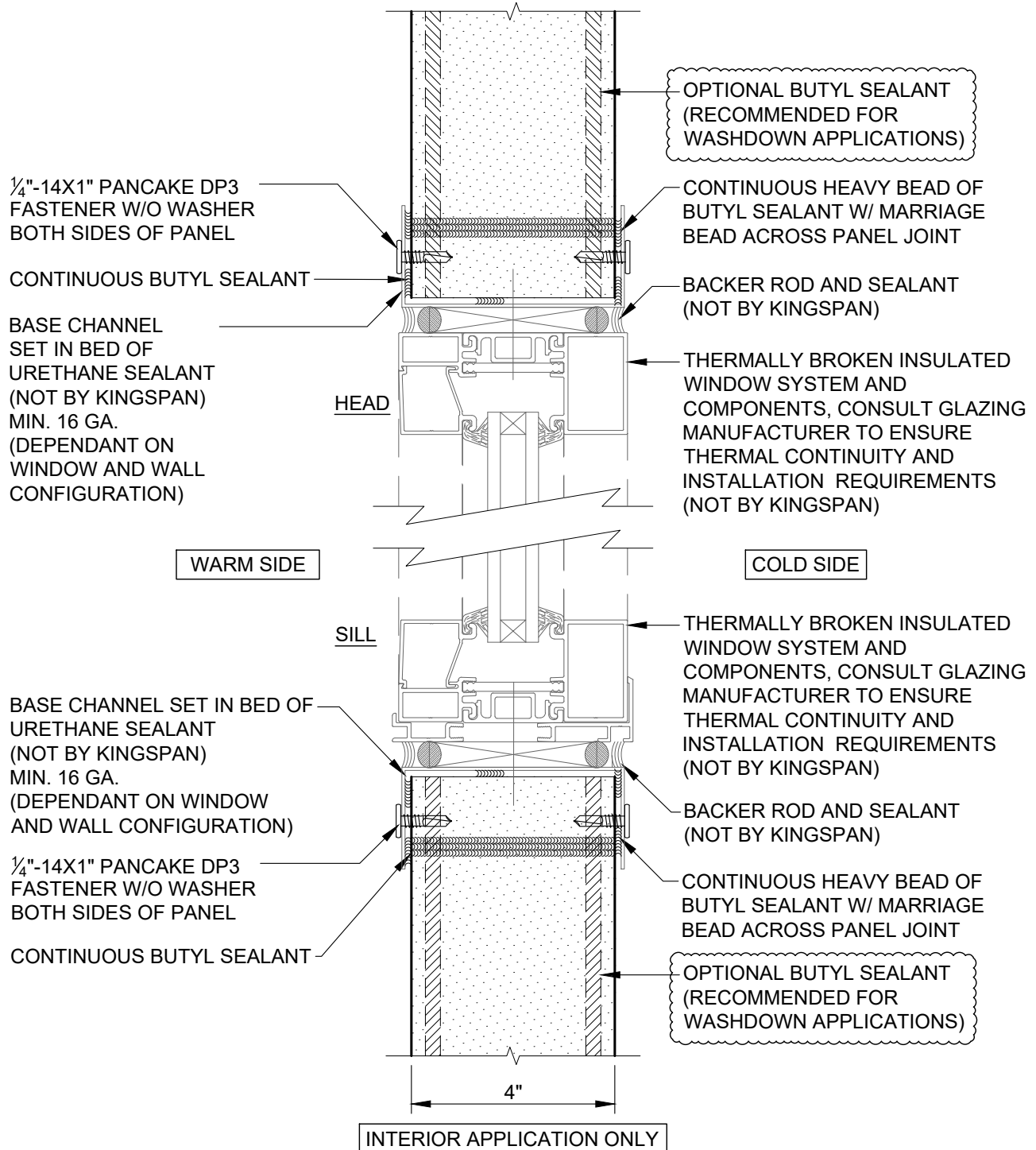
RELEASE: 2025

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



THIS DETAIL ASSUMES MINIMAL TEMPERATURE DIFFERENTIAL ON EITHER SIDE OF PANEL. CONSULT KINGSPAN ENGINEERING TO DETERMINE FASTENING AND ANY STRUCTURAL REQUIREMENTS.

REVISION	
REVISION #	DATE
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FRAMED OPENING HEAD / SILL
THERMALLY BROKEN

DETAIL #: CS-FO-03-KSV

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REGION: NORTH AMERICA

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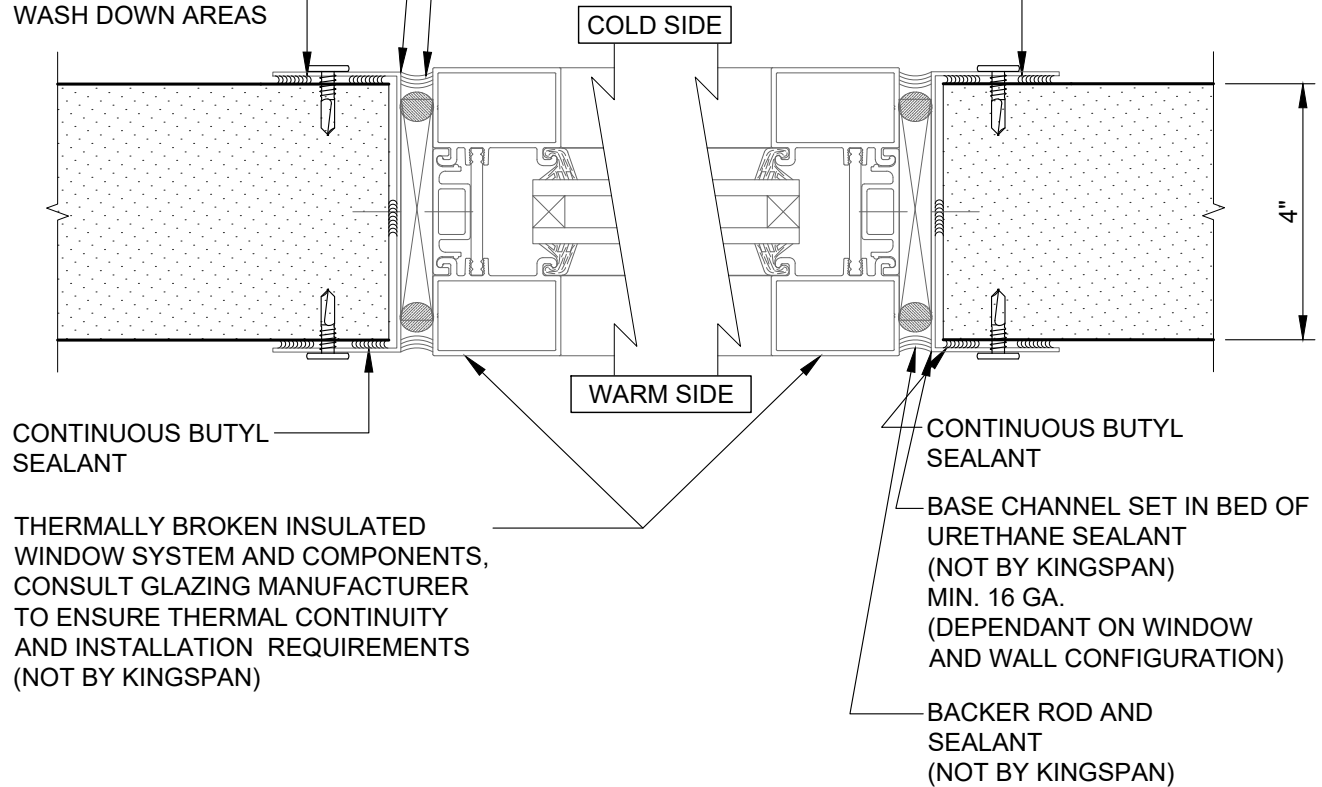
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BACKER ROD AND SEALANT
(NOT BY KINGSPAN)

BASE CHANNEL SET IN BED OF
URETHANE SEALANT
(NOT BY KINGSPAN)
MIN. 16 GA.
(DEPENDANT ON WINDOW
AND WALL CONFIGURATION)

SEALANT
RECOMMENDED FOR
WASH DOWN AREAS

SEALANT
RECOMMENDED FOR
WASH DOWN AREAS



CONTINUOUS BUTYL
SEALANT

THERMALLY BROKEN INSULATED
WINDOW SYSTEM AND COMPONENTS,
CONSULT GLAZING MANUFACTURER
TO ENSURE THERMAL CONTINUITY
AND INSTALLATION REQUIREMENTS
(NOT BY KINGSPAN)

CONTINUOUS BUTYL
SEALANT

BASE CHANNEL SET IN BED OF
URETHANE SEALANT
(NOT BY KINGSPAN)
MIN. 16 GA.
(DEPENDANT ON WINDOW
AND WALL CONFIGURATION)

BACKER ROD AND
SEALANT
(NOT BY KINGSPAN)

INTERIOR APPLICATION ONLY

THIS DETAIL ASSUMES MINIMAL TEMPERATURE DIFFERENTIAL ON EITHER SIDE OF PANEL.
CONSULT KINGSPAN ENGINEERING TO DETERMINE FASTENING AND ANY STRUCTURAL REQUIREMENTS.

REVISION

REVISION #	DATE
0	12/5/25

FRAMED OPENING JAMB
THERMALLY BROKEN

DETAIL #: CS-FO-04-KSV

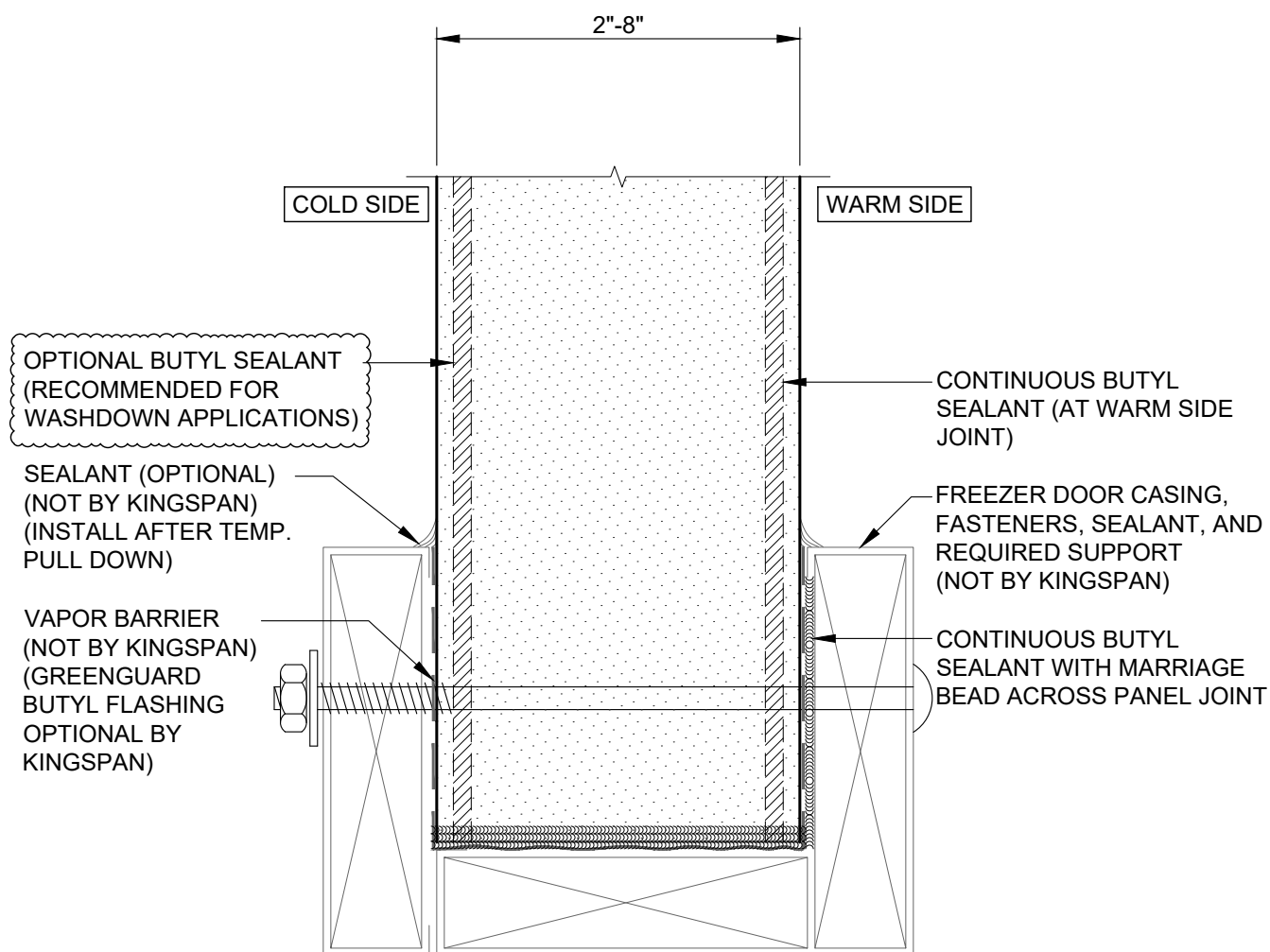
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REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



INTERIOR APPLICATION ONLY

REVISION	
REVISION #	DATE
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INTERIOR HEAD CONDITION

DETAIL #: CS-FO-05-KSV

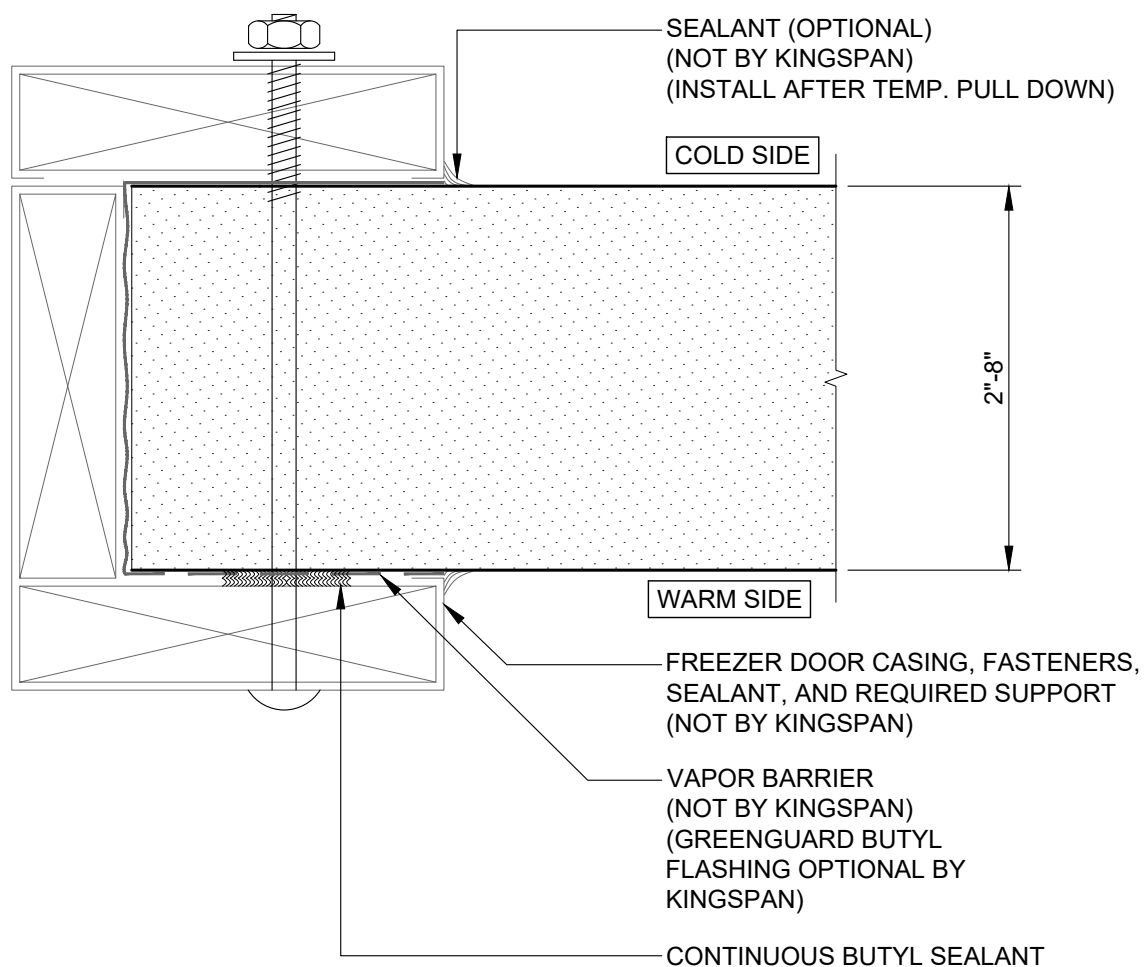
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INTERIOR APPLICATION ONLY

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INTERIOR JAMB CONDITION

DETAIL #: CS-FO-06-KSV

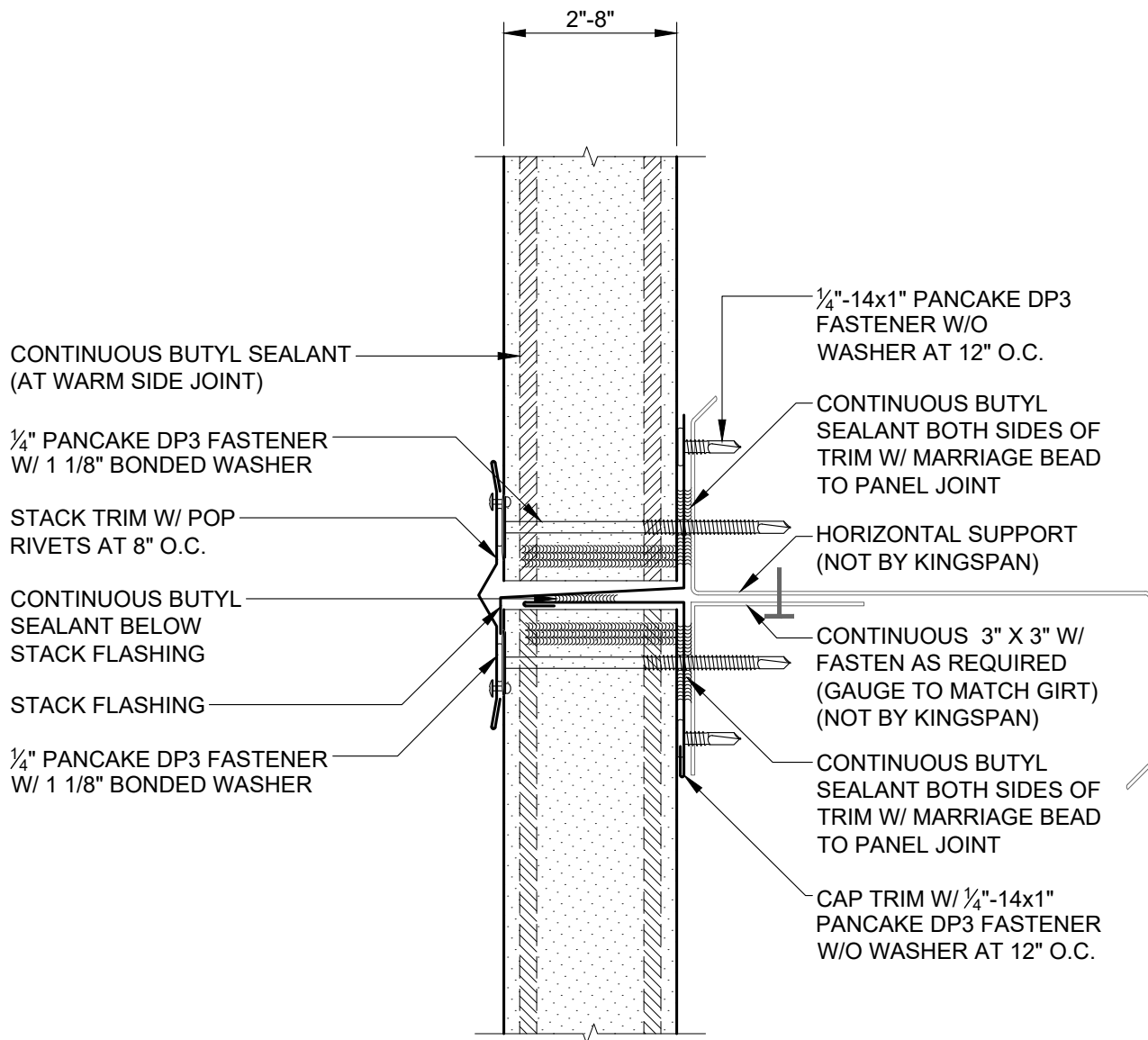
RELEASE: 2025

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



CONTACT KINGSPAN TECHNICAL SERVICES FOR PROPER PANEL FASTENING REQUIREMENTS

REVISION	
REVISION #	DATE
0	12/5/25

STACK JOINT

DETAIL #: CS-ST-01-KSV

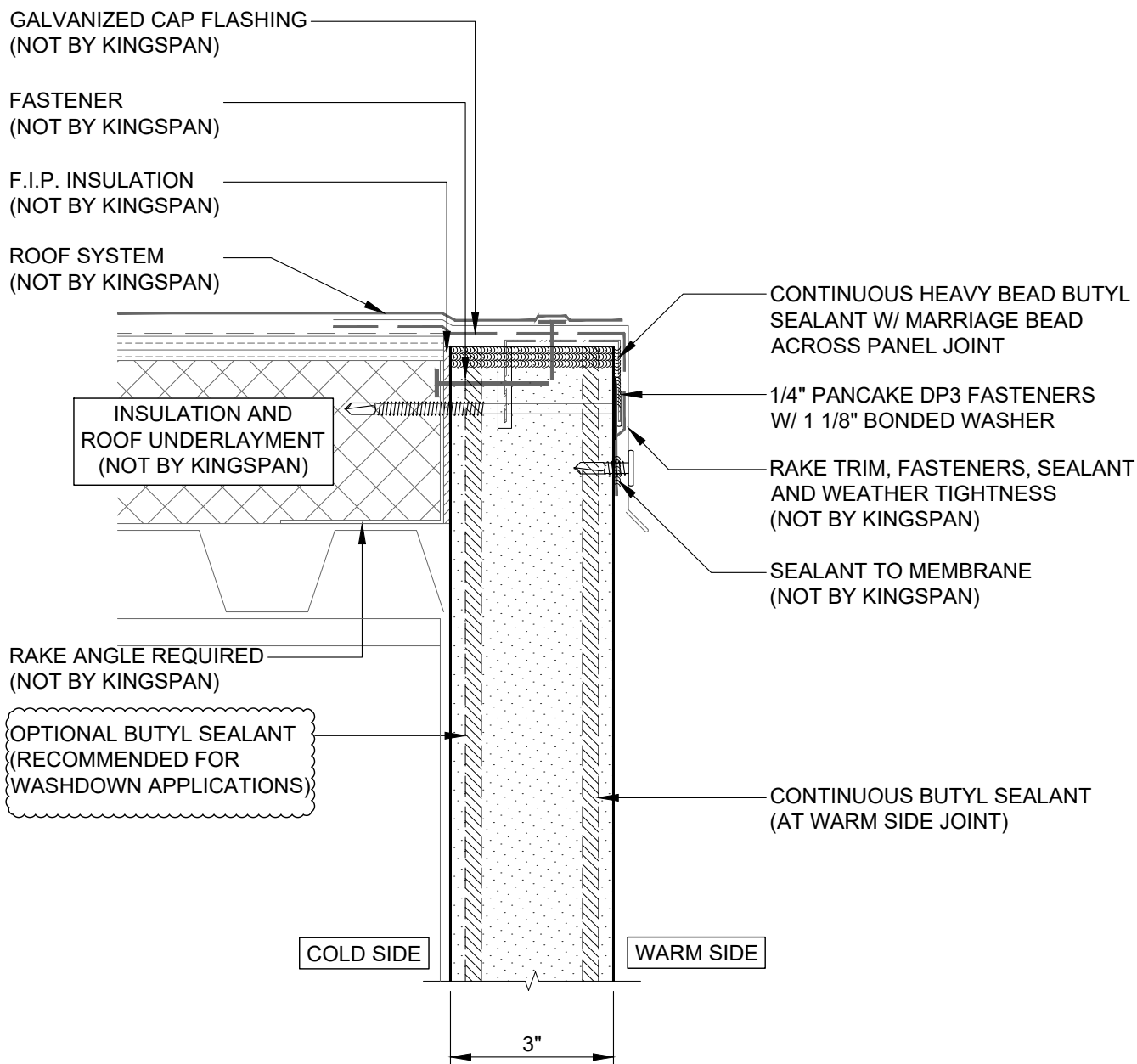
RELEASE: 2025

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



REVISION	
REVISION #	DATE
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RAKE W/ MEMBRANE ROOF
(SMALL CAP)

DETAIL #: CS-RK-01-KSV

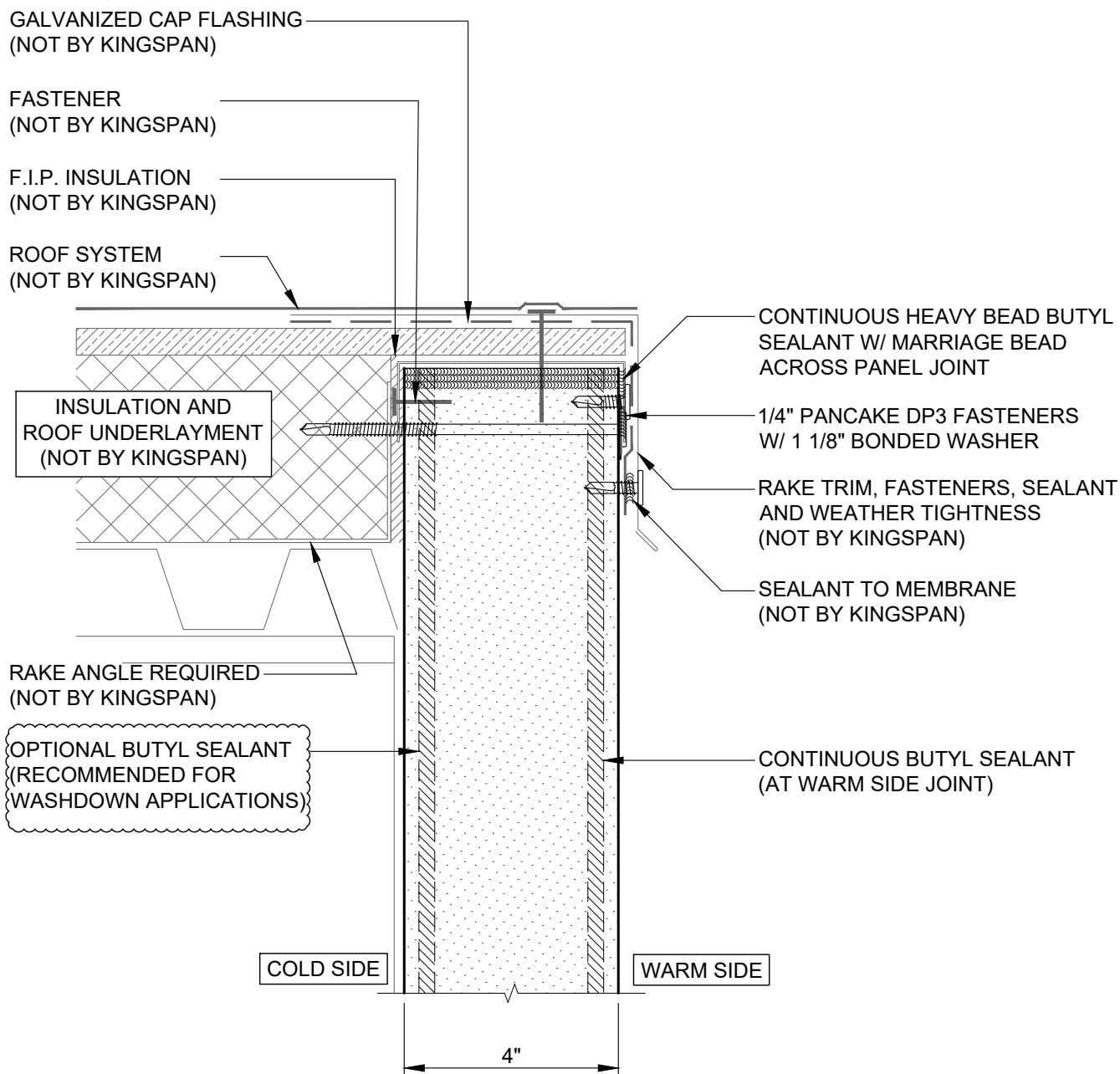
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



REVISION	
REVISION #	DATE
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RAKE W/ MEMBRANE ROOF
(LARGE CAP)

DETAIL #: CS-RK-02-KSV

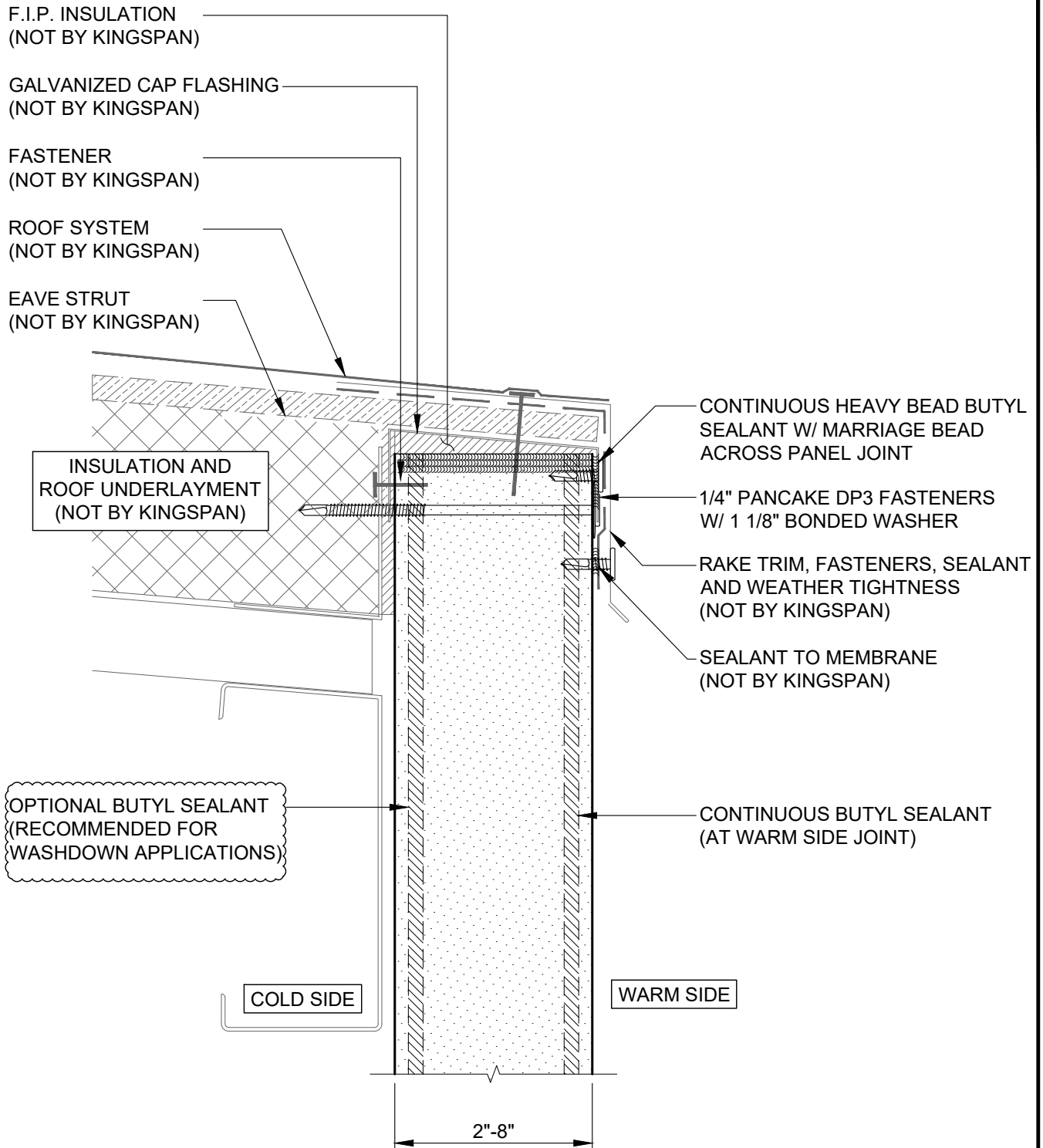
RELEASE: 2025

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



REVISION	
REVISION #	DATE
0	12/5/25

LOW EAVE

DETAIL #: CS-EV-01-KSV

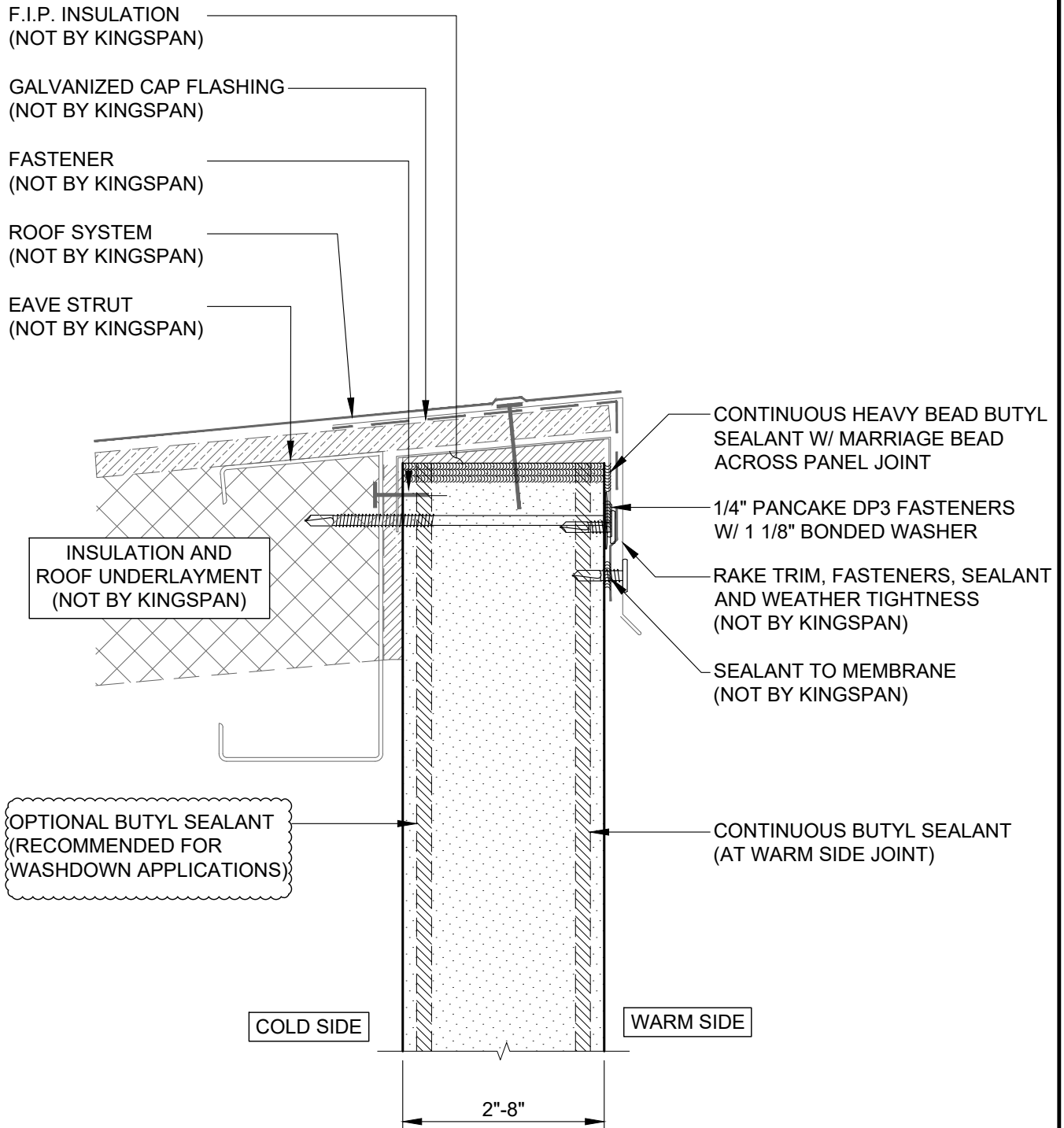
RELEASE: 2025

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



REVISION	
REVISION #	DATE
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HIGH EAVE

DETAIL #: CS-EV-02-KSV

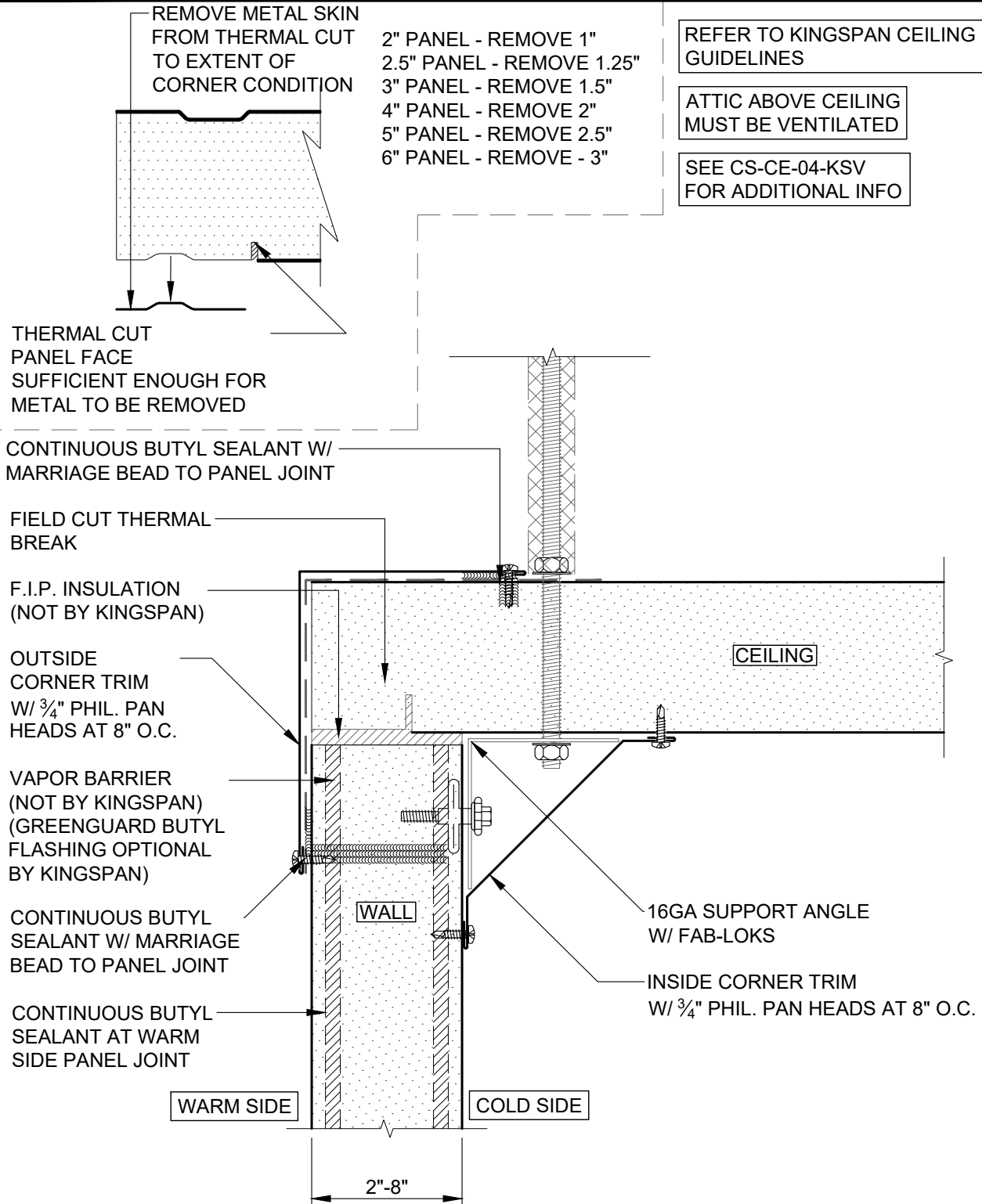
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REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



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INTERIOR WALL TO CEILING

DETAIL #: CS-CE-01-KSV

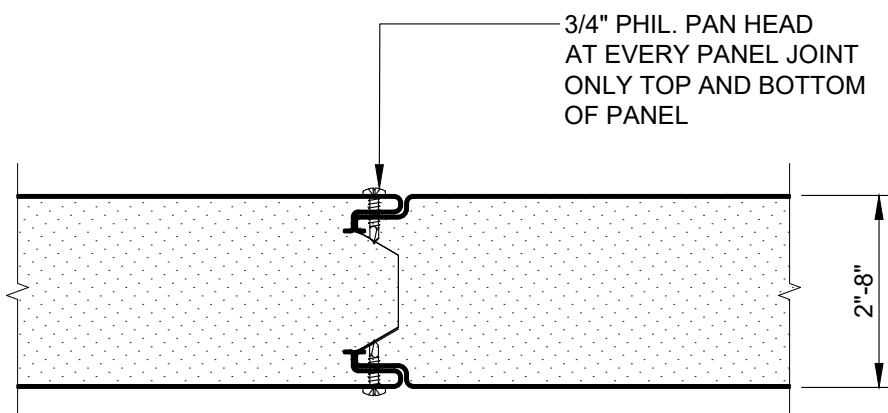
RELEASE: 2025

REGION: NORTH AMERICA

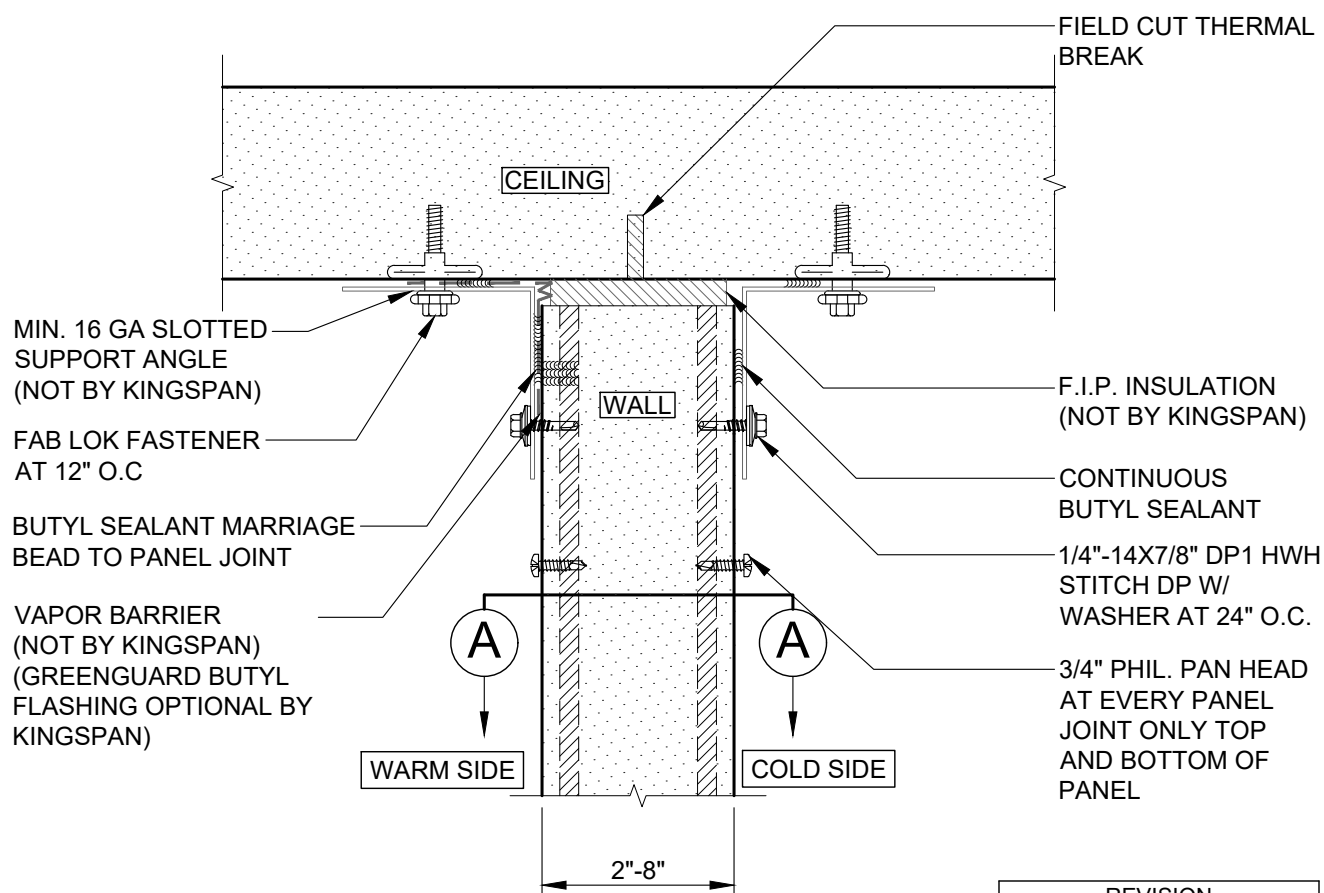
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



AA CROSS SECTION (SECTION VIEW)



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REVISION #	DATE
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INTERIOR PARTITION WALL TO
CEILING INTERSECTION

DETAIL #: CS-CE-02-KSV

RELEASE: 2025

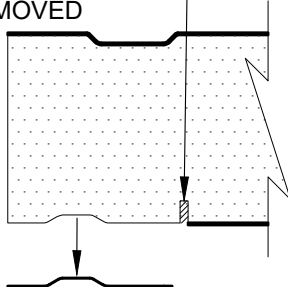
REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

THERMAL CUT PANEL
FACE SUFFICIENT
ENOUGH FOR METAL
TO BE REMOVED



REMOVE METAL
SKIN FROM
THERMAL CUT TO
EXTENT OF CORNER
CONDITION

2" PANEL - REMOVE 1"
2.5" PANEL - REMOVE 1.25"
3" PANEL - REMOVE 1.5"
4" PANEL - REMOVE 2"
5" PANEL - REMOVE 2.5"
6" PANEL - REMOVE - 3"

TRANS FLASHING
W/ $\frac{3}{4}$ " PHIL. PAN HEADS
AT 8" O.C.

FASTENER TO CONCRETE
(NOT BY KINGSPAN)

FIELD CUT
THERMAL BREAK

F.I.P. INSULATION
(NOT BY KINGSPAN)

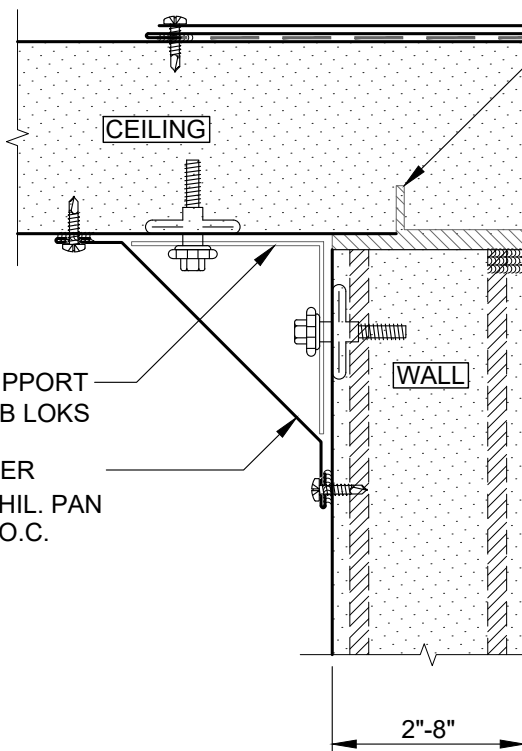
OUTSIDE CORNER
TRIM

CONTINUOUS BUTYL
SEALANT W/
MARRIAGE BEAD TO
PANEL JOINT
(AT WARM SIDE)

VAPOR BARRIER
(NOT BY KINGSPAN)
(GREENGUARD
BUTYL FLASHING
OPTIONAL BY
KINGSPAN)

MIN. 16GA SUPPORT
ANGLE W/ FAB LOKS

INSIDE CORNER
TRIM W/ $\frac{3}{4}$ " PHIL. PAN
HEADS AT 8" O.C.



2"-8"

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INTERIOR LINER WALL AT CMU TO
CEILING PANEL

DETAIL #: CS-CE-03-KSV

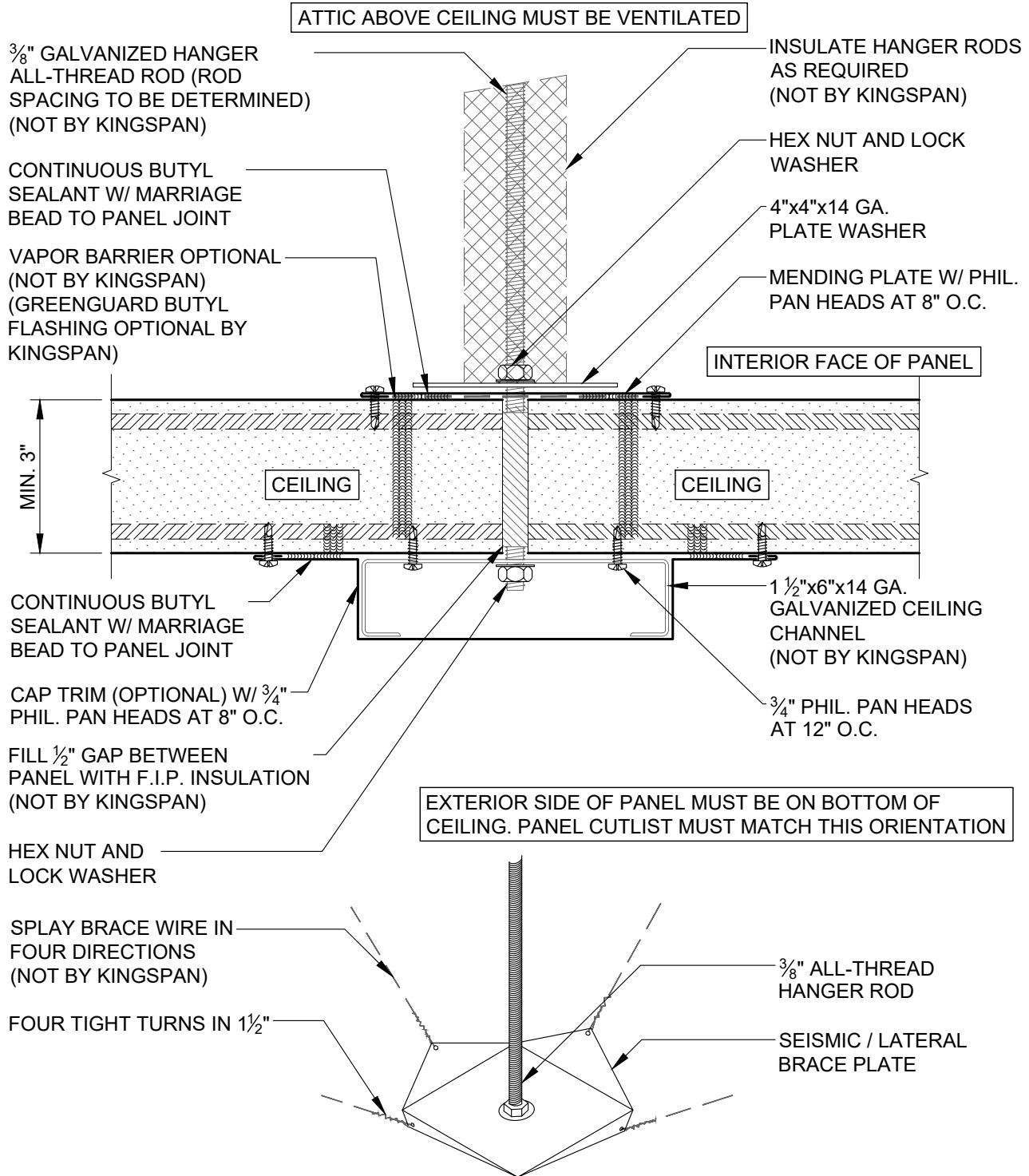
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REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



SEISMIC / LATERAL BRACE PLATE

CONTACT KINGSPAN TECHNICAL SERVICES FOR SEISMIC BRACE PLATE QUANTITY AND LOCATION

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CEILING CHANNEL

DETAIL #: CS-CE-04-KSV

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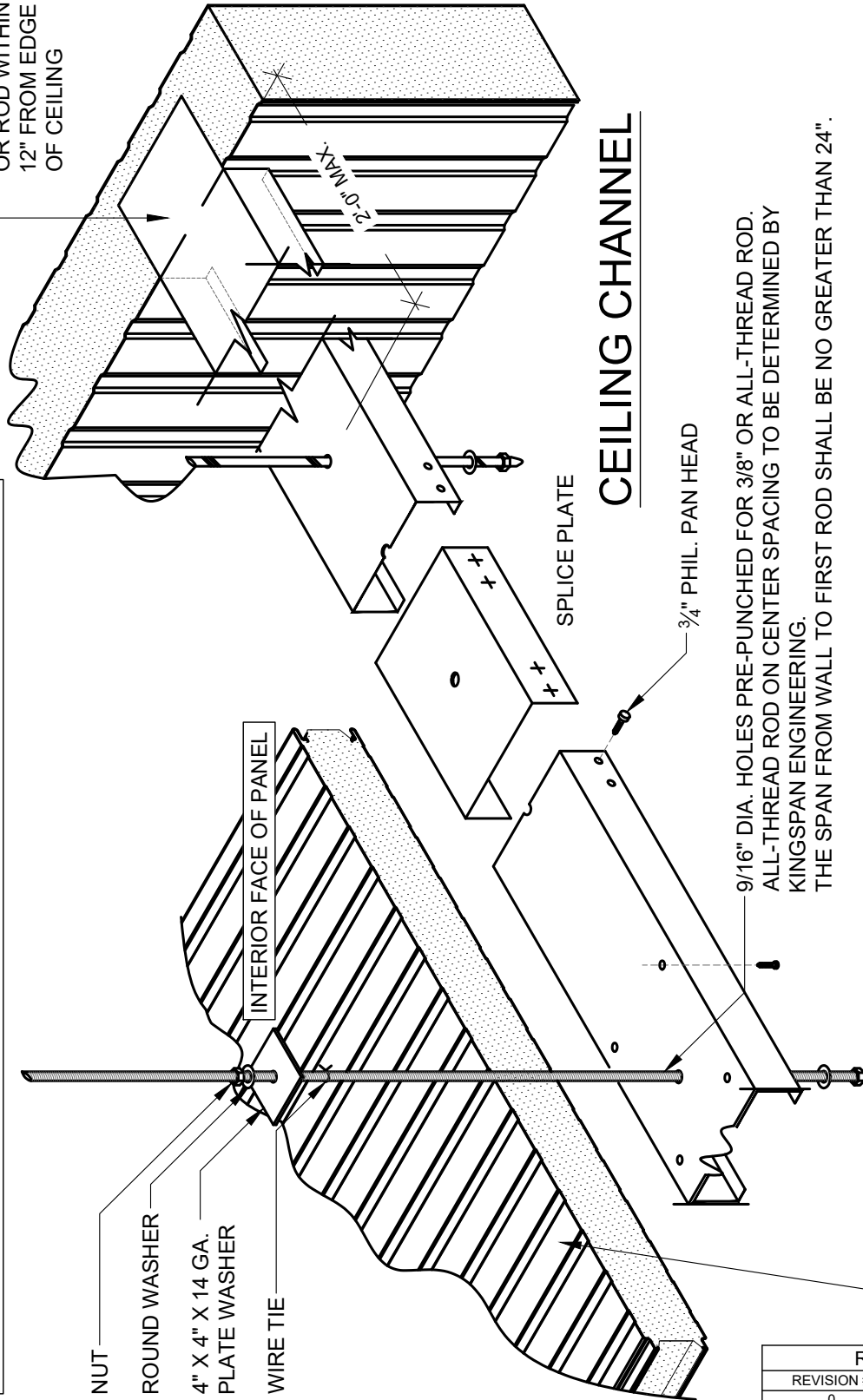


KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

PROJECT ENGINEER OF RECORD MUST VERIFY ROOF IS CAPABLE OF SUPPORTING CEILING SYSTEM LOADS AS WELL AS PROPER CEILING TO ROOF CONNECTION DETAILS.

ERECTOR MAY PRE-ASSEMBLE HARDWARE ON $\frac{3}{8}$ " HANGER RODS. WIRE TIES HOLD WASHERS ABOVE WORKING POINT.

FIELD NOTCH
END OF CHANNEL
TO REST ON TOP
OF WALL PANEL
OR ROD WITHIN
12" FROM EDGE
OF CEILING



CEILING CHANNEL

9/16" DIA. HOLES PRE-PUNCHED FOR 3/8" OR ALL-THREAD ROD.
ALL-THREAD ROD ON CENTER SPACING TO BE DETERMINED BY
KINGSPAN ENGINEERING.
THE SPAN FROM WALL TO FIRST ROD SHALL BE NO GREATER THAN 24".

EXTERIOR SIDE OF PANEL MUST BE ON BOTTOM OF CEILING. PANEL CUTLIST MUST MATCH THIS ORIENTATION

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CEILING CHANNEL ASSEMBLY

DETAIL #: CS-CE-05-KSV

RELEASE: 2025

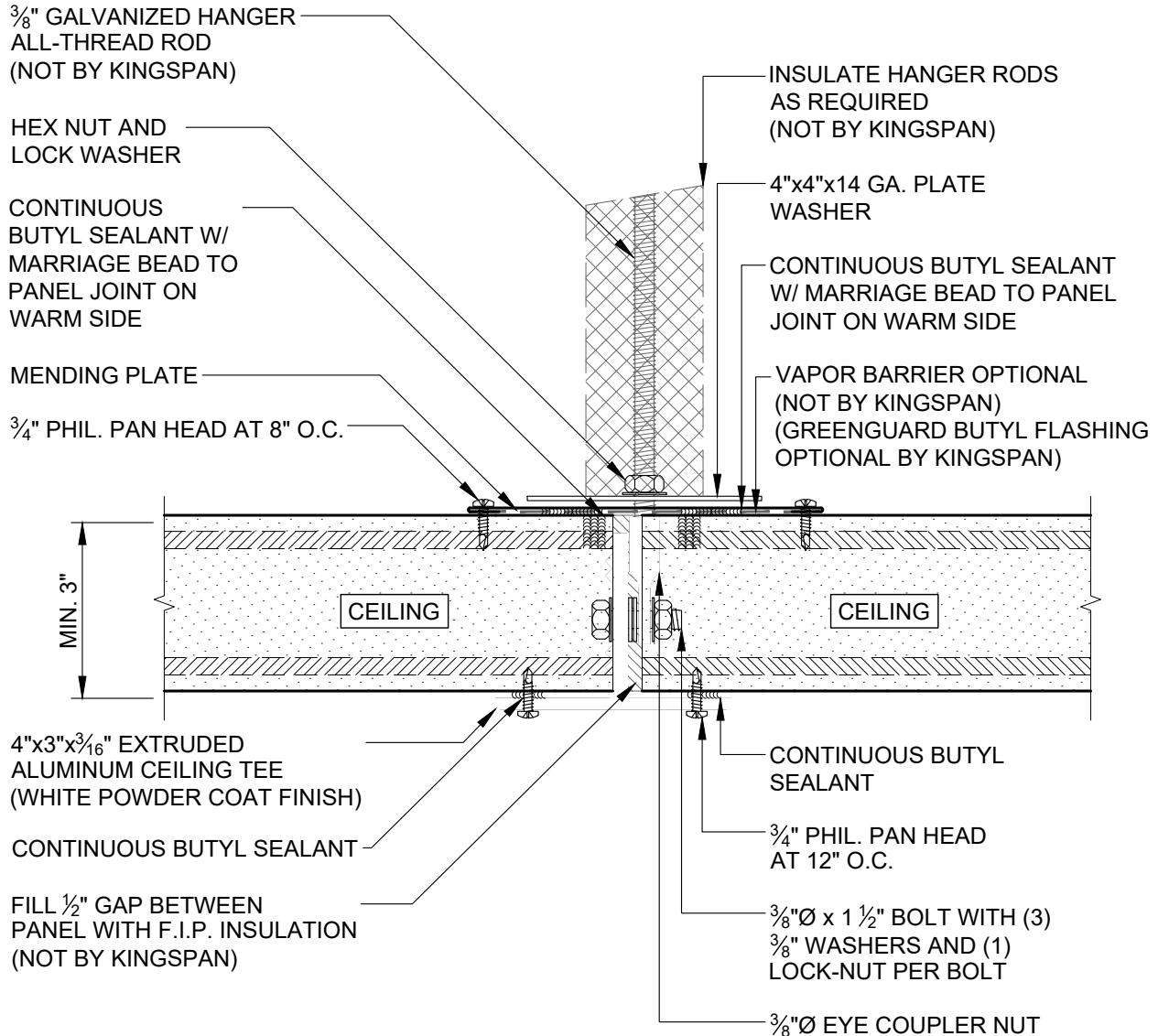
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

ATTIC ABOVE CEILING MUST BE VENTILATED



NOTE: CONTACT TECHNICAL SERVICES FOR ROD SPACING REQUIREMENTS

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CEILING TEE

DETAIL #: CS-CE-06-KSV

RELEASE: 2025

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

SEISMIC / LATERAL BRACE PLATE (IF REQUIRED) TO BE LOCATED AT EVERY THIRD ROD LOCATION IN LIEU OF PLATE WASHER (SEE DETAIL CS-CE-04-KSV). CONTACT KINGSPAN TECHNICAL SERVICES FOR VERIFICATION.

PROJECT ENGINEER OF RECORD MUST

VERIFY ROOF IS CAPABLE OF SUPPORTING
CEILING SYSTEM LOADS AS WELL AS PROPER
CEILING TO ROOF CONNECTION DETAILS

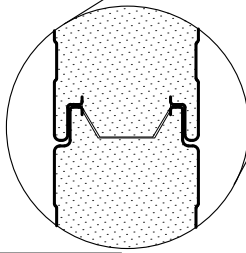
ERECTOR MAY PRE-ASSEMBLE

HARDWARE ON $\frac{3}{8}$ " HANGAR RODS. WIRE
TIES HOLD WASHERS ABOVE WORKING
POINT.

OUTSIDE CORNER TRIM W/
 $\frac{3}{4}$ " PHIL. PAN HEAD AT 8" O.C.
(SEALANT OR VAPOR SEAL
TAPE AS REQUIRED)

SEE DETAIL CS-CE-01-KSV
FOR ADD'L INFO.

LOCATE FIRST HANGER
ROD AT LESS THAN 12"
FROM FACE OF PANEL



NUT

ROUND WASHER

4" X 4" X 14 GA.
PLATE WASHER

WIRE TIE

CEILING TEE
SPlice PLATE®

CONTINUOUS BUTYL SEALANT
CEILING TEE SPLICE PLATE W/
(4) $\frac{3}{8}$ " X 1 $\frac{1}{2}$ " BOLTS, NUTS,
AND WASHERS

$\frac{3}{4}$ " PHIL. PAN HEAD AT 12" O.C.

REVISION

REVISION #	DATE
0	12/5/25

CEILING TEE ASSEMBLY

DETAIL #: CS-CE-07-KSV

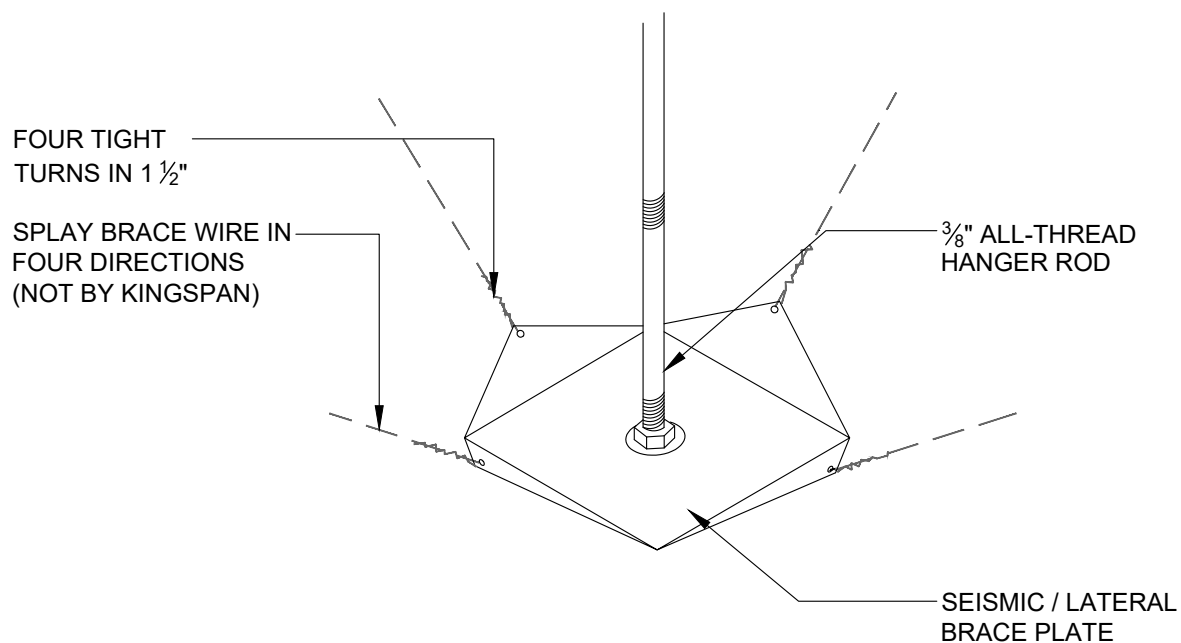
RELEASE: 2025

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



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SEISMIC / LATERAL BRACE PLATE

DETAIL #: CS-CE-08-KSV

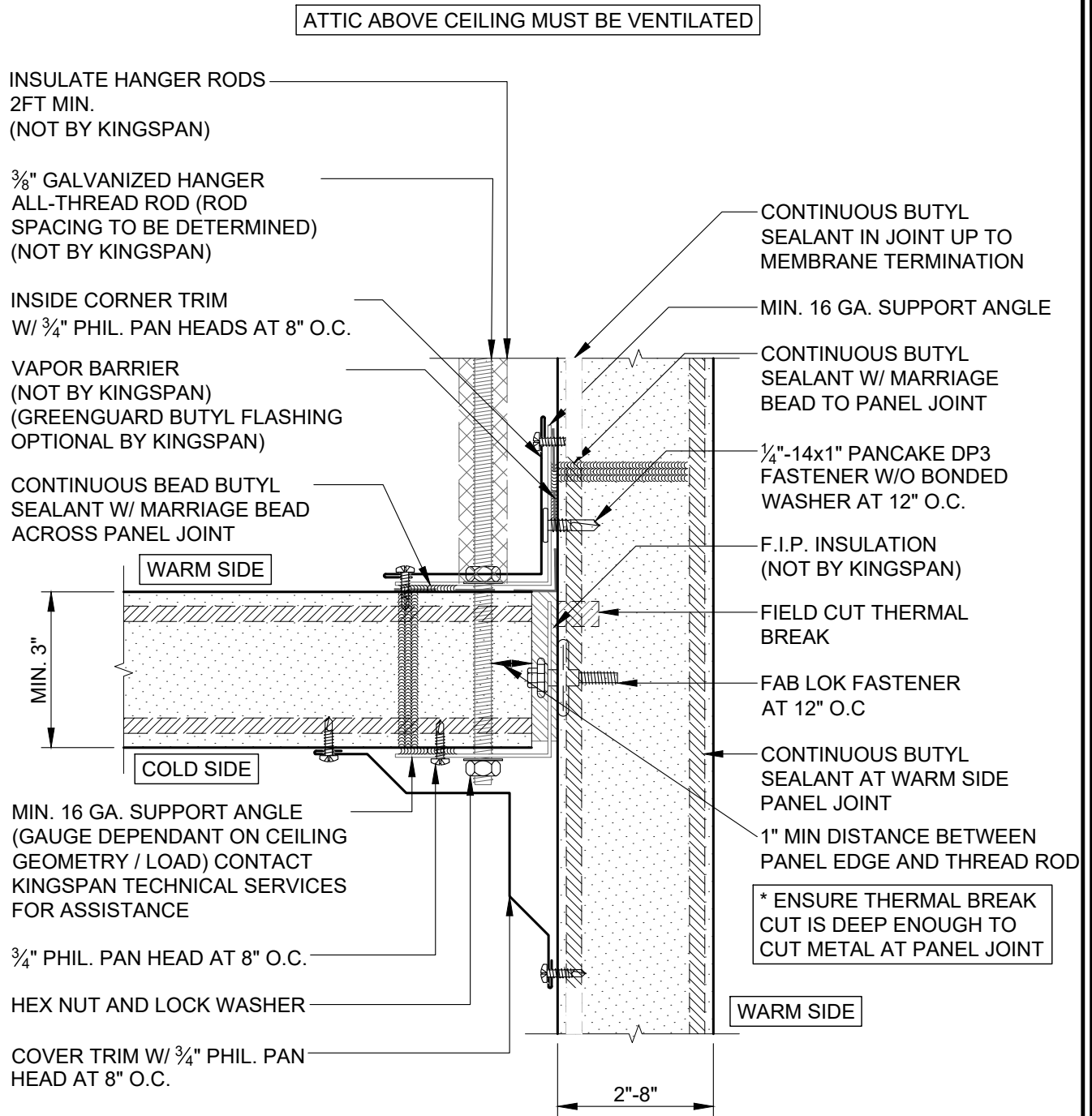
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



NOTE: CONTACT KINGSPAN TECHNICAL SERVICES FOR ENGINEERING ASSISTANCE

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INTERIOR CEILING TO WALL
TRANSVERSE

DETAIL #: CS-CE-09-KSV

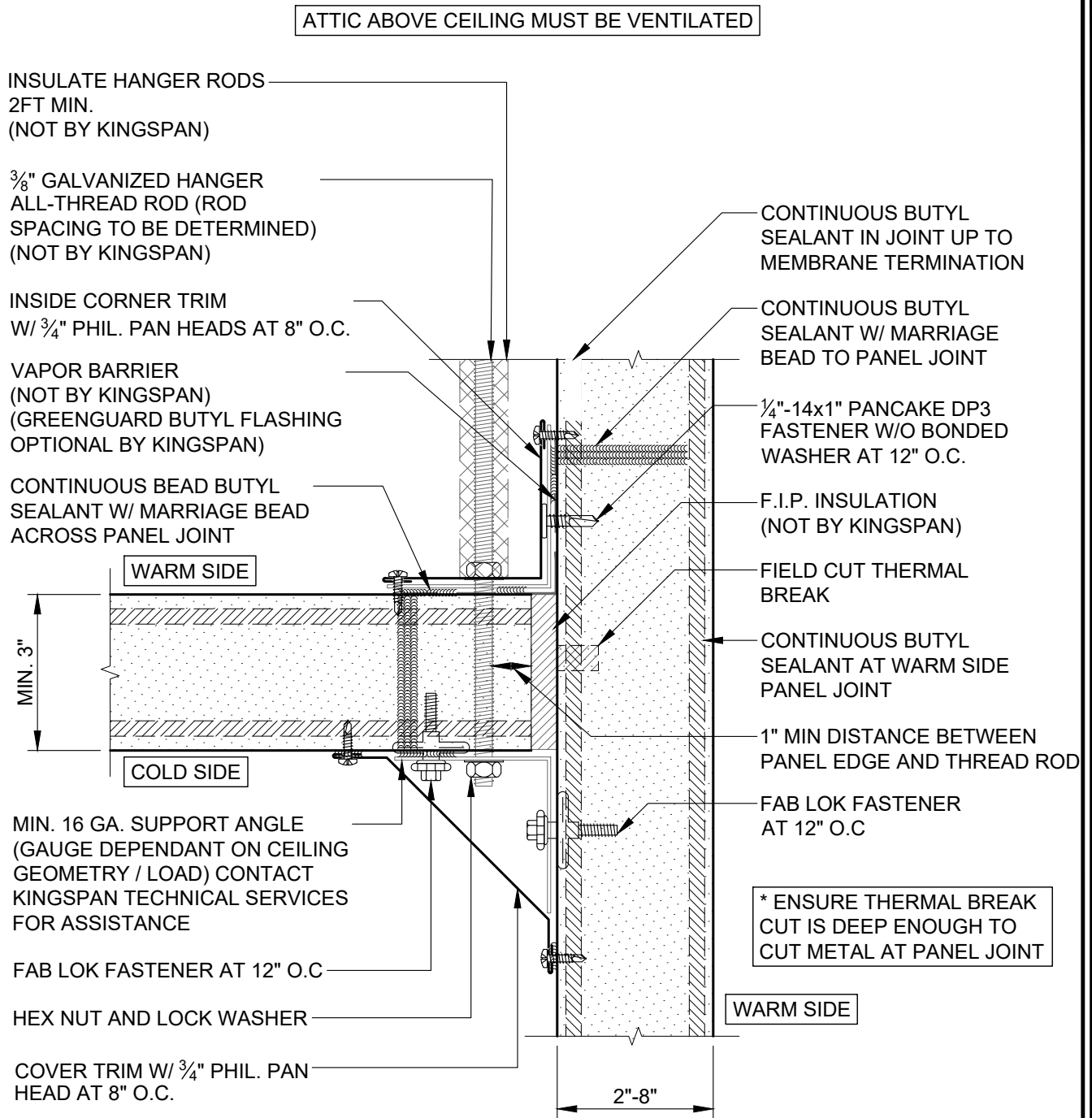
RELEASE: 2025

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



NOTE: CONTACT KINGSPAN TECHNICAL SERVICES FOR ENGINEERING ASSISTANCE

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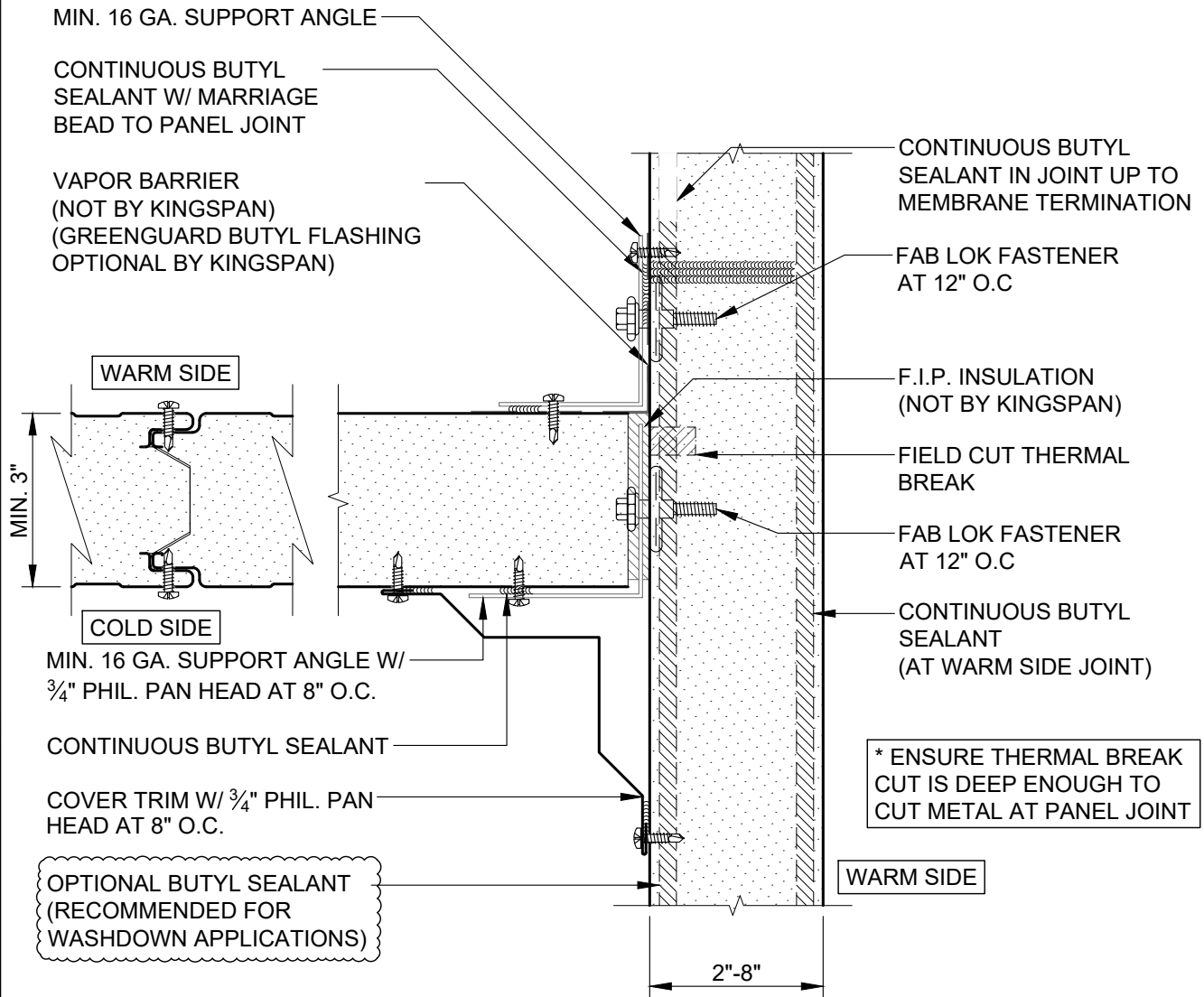
INTERIOR CEILING TO WALL
TRANSVERSE
OPTIONAL ANGLE ORIENTATION

DETAIL #: CS-CE-10-KSV
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

ATTIC ABOVE CEILING MUST BE VENTILATED



NOTE: CONTACT KINGSPAN TECHNICAL SERVICES FOR ENGINEERING ASSISTANCE

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INTERIOR CEILING TO WALL
LONGITUDINAL

DETAIL #: CS-CE-11-KSV

RELEASE: 2025

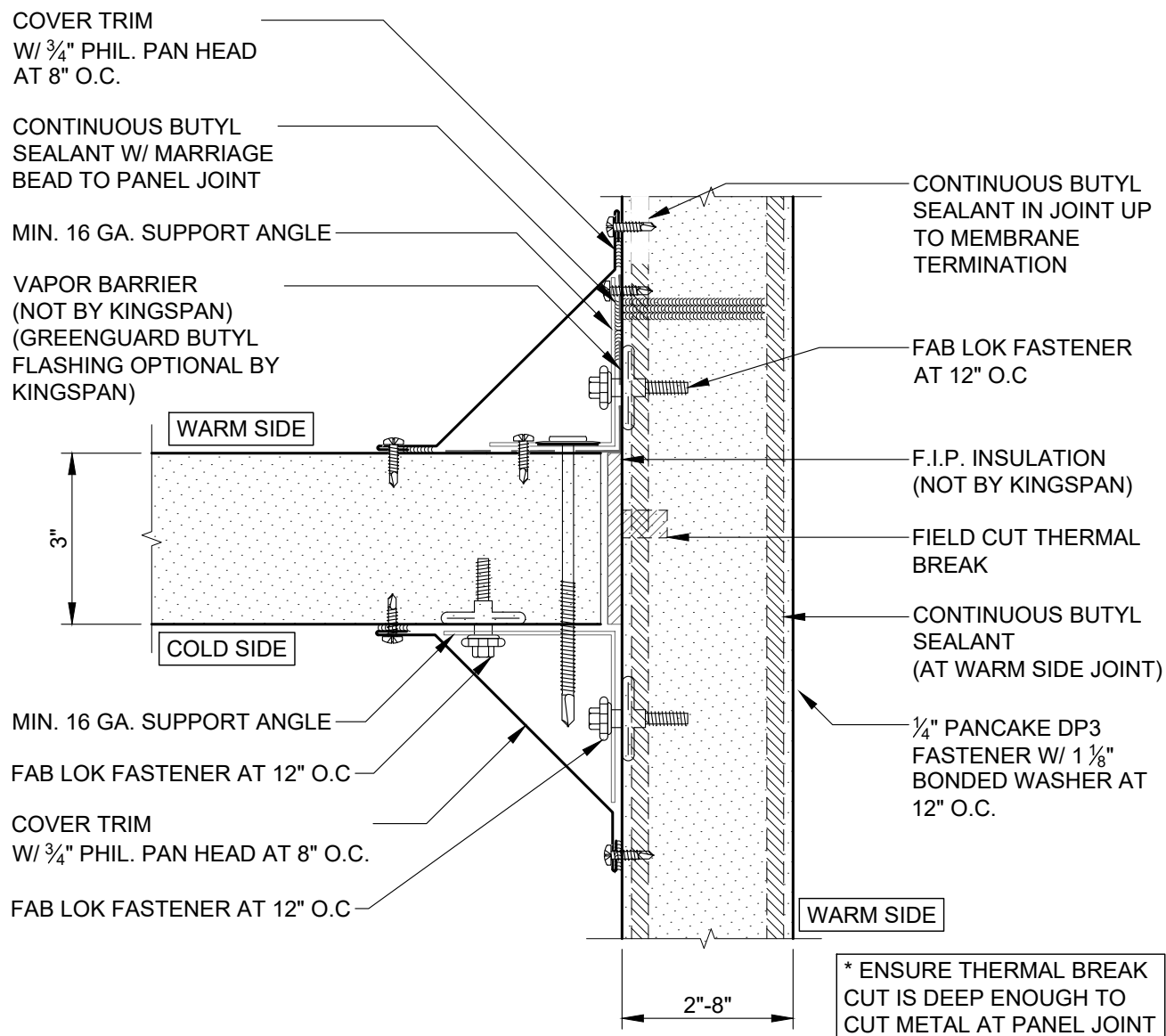
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

ATTIC ABOVE CEILING MUST BE VENTILATED



NOTE: CONTACT KINGSPAN TECHNICAL SERVICES FOR ENGINEERING ASSISTANCE

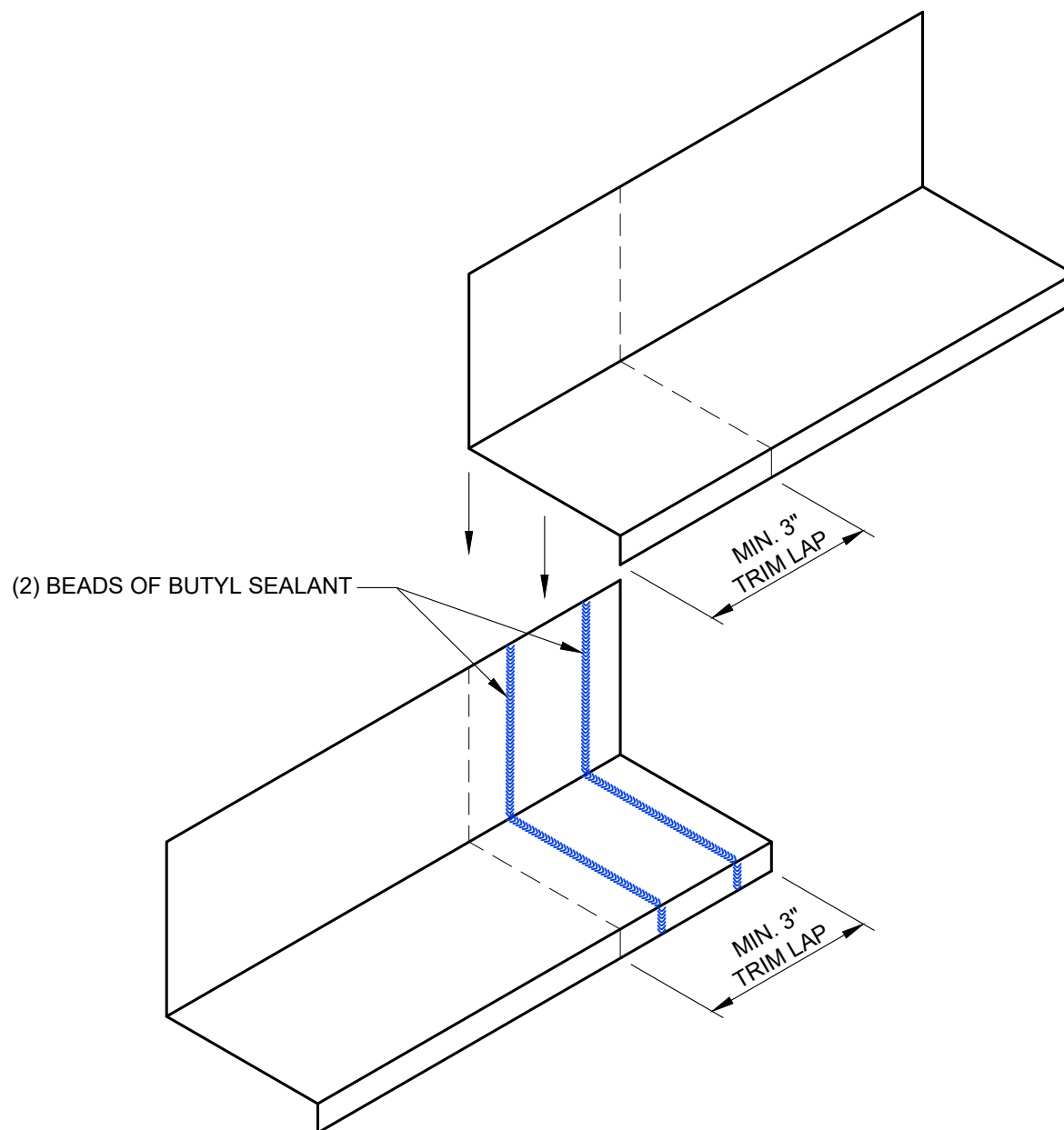
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REVISION #	DATE
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INTERIOR CEILING TO WALL
LONGITUDINAL
OPTIONAL ANGLE ORIENTATION

DETAIL #: CS-CE-12-KSV
RELEASE: 2025
REGION: NORTH AMERICA
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



REVISION	
REVISION #	DATE
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TRIM END LAP

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FIELD NOTCH HEM(S)
AS REQUIRED
(NOT BY KINGSPAN)

(2) BEADS OF BUTYL SEALANT

MIN. 3"
TRIM LAP

MIN. 3"
TRIM LAP

REVISION

REVISION #	DATE
0	12/5/25

TRIM LAP WITH HEM

DETAIL #: CS-TL-02-KSV

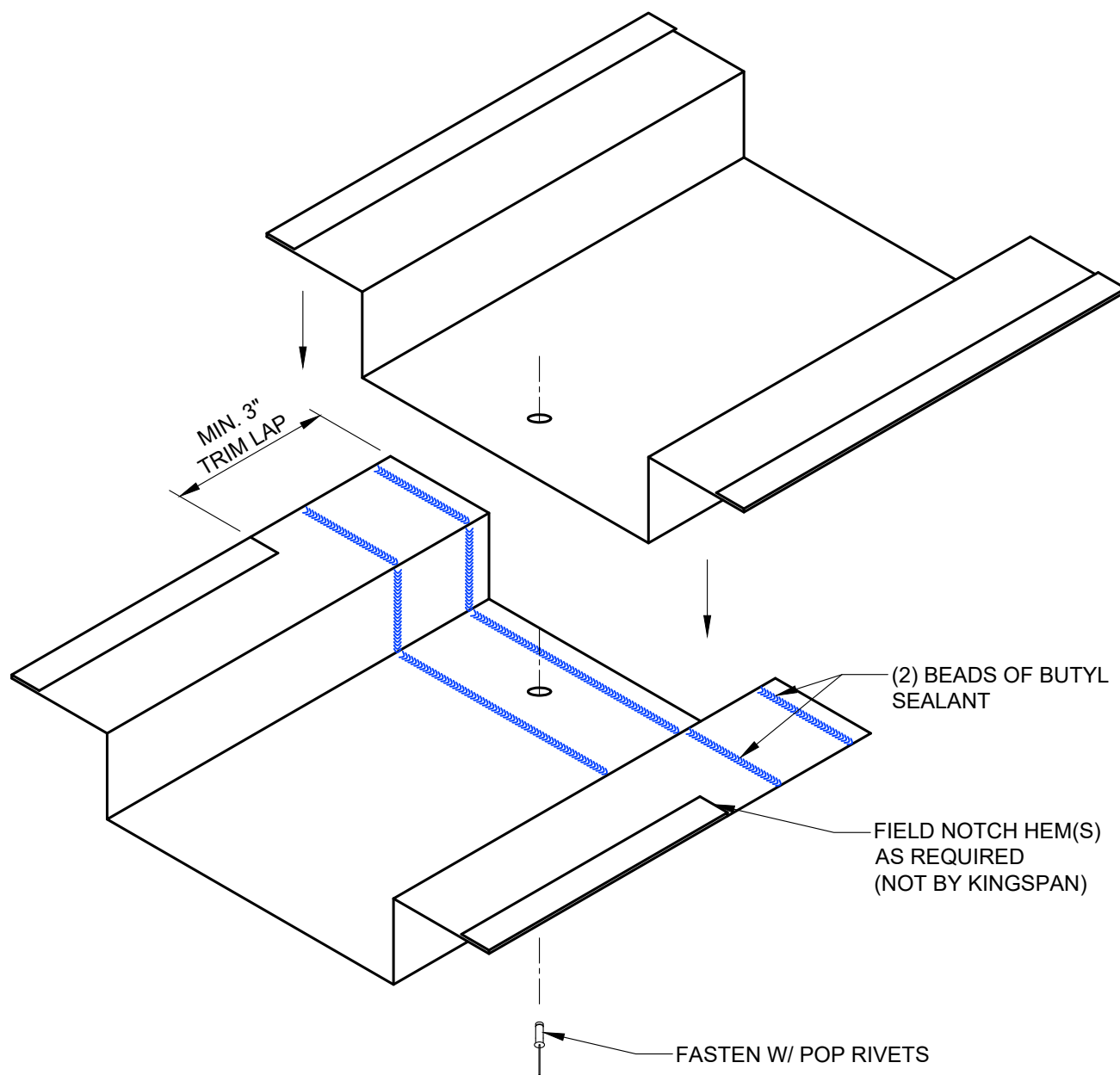
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



REVISION	
REVISION #	DATE
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TRIM LAP WITH HEM
CEILING CAP TRIM

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