

KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

CLICK TO VIEW



REVISION

0	12/5/25
1	9/1/26

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CS-PJ-01-KSV	KS INTERIOR EXPANDED JOINT
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CS-PJ-03-KSV	KS INTERIOR STANDARD FASTENING ISOMETRIC
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CS-BS-03-KSV	BASE DETAIL - INTERIOR PARTITION W/ INSULATED FLOOR
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INDEX SHEET

DETAIL #: CS-XX-XX-KSV

RELEASE: 2026

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

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"

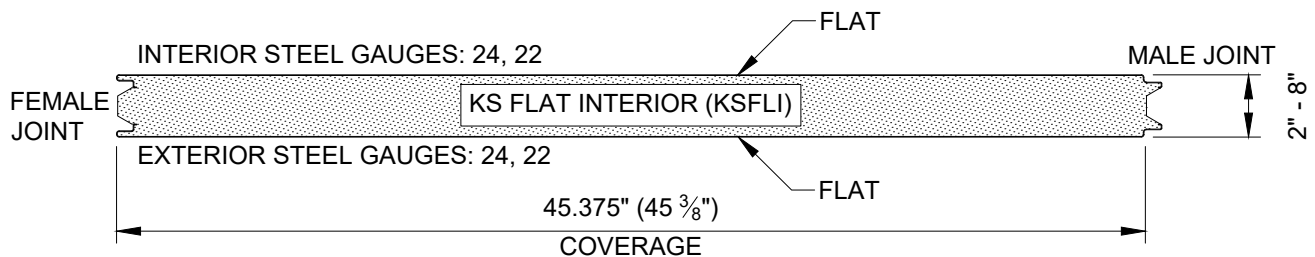
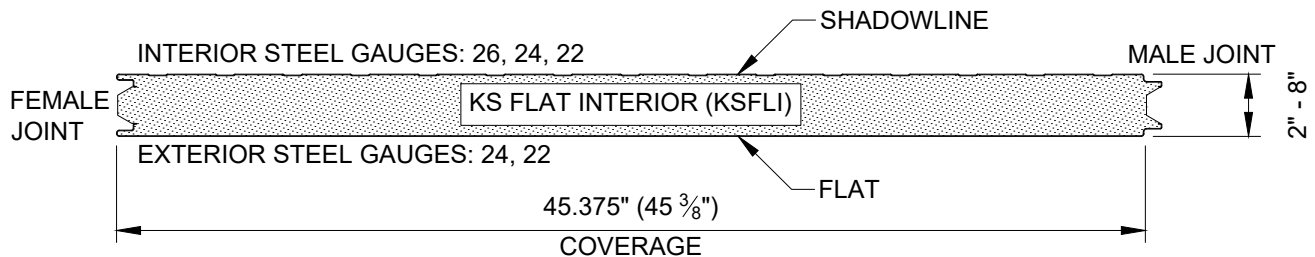
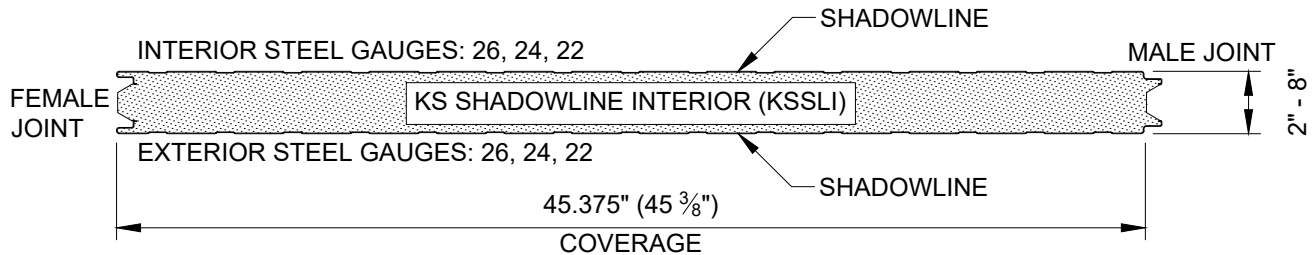
MODULE WIDTH:
45.375" (45 ³/₈")

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

DETAIL #: CS-PP-01-KSV

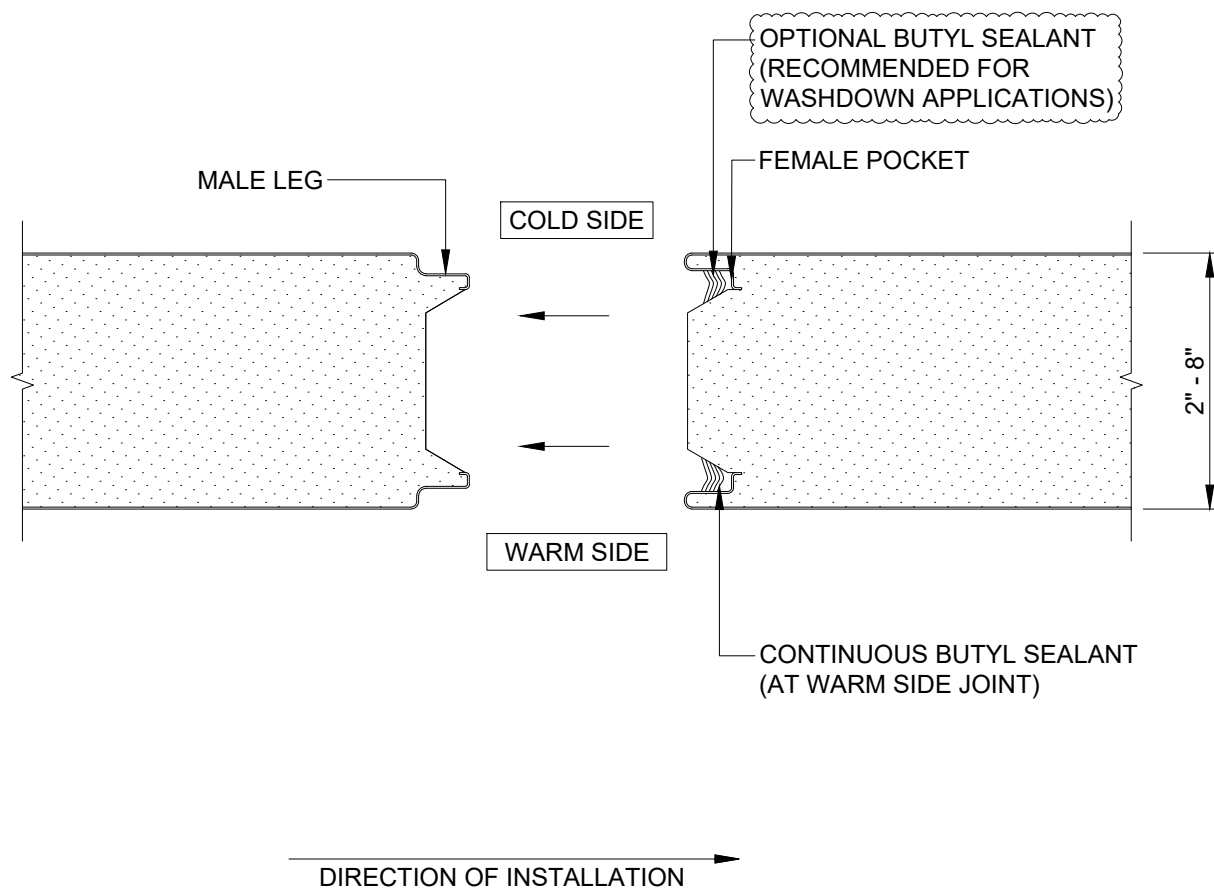
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NOTE: FILL FEMALE POCKET(S) 3/4 FULL WITH SEALANT TO PROVIDE PROPER AIR/WATER SEAL
 * VERIFY FIRST PANEL ENGAGEMENT AND ADJUST ACCORDINGLY

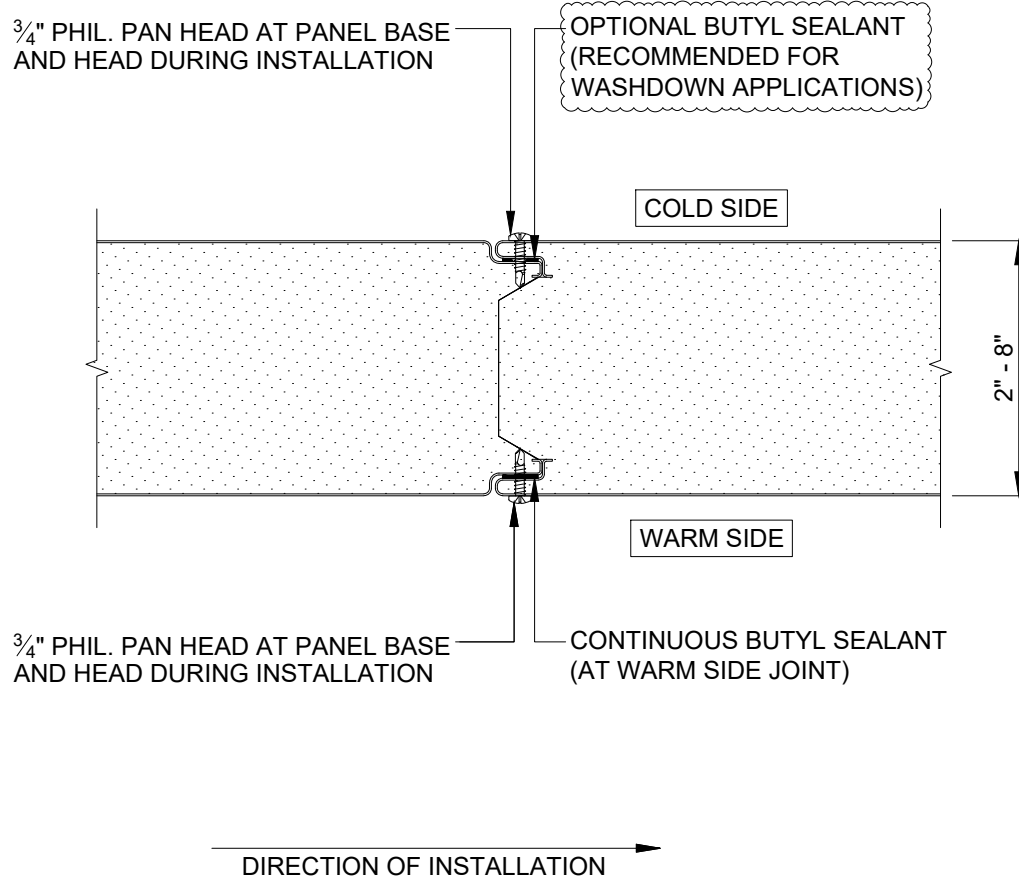
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KS INTERIOR
EXPANDED JOINT

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



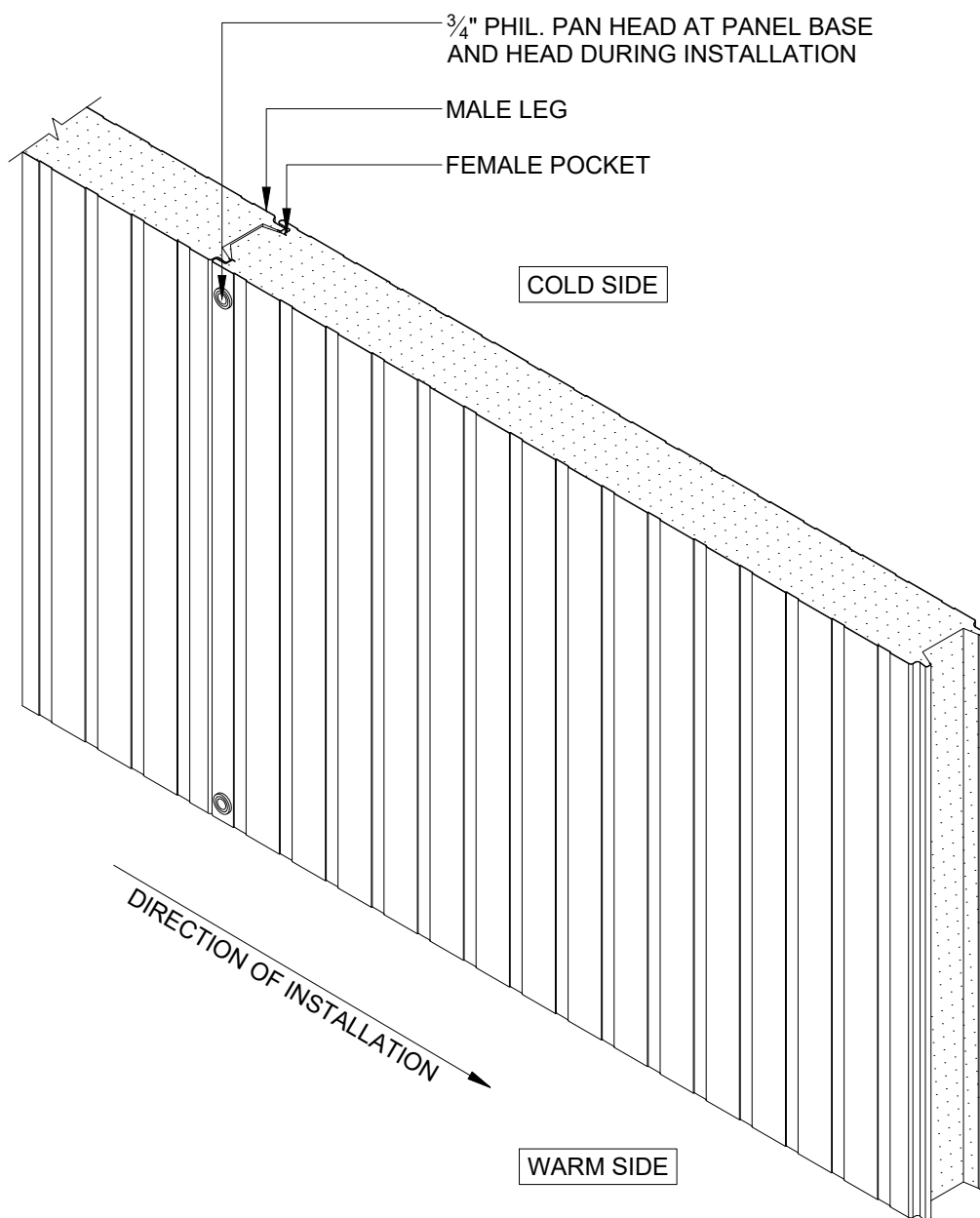
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KS INTERIOR
ENGAGED JOINT

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KS INTERIOR
STANDARD FASTENING ISOMETRIC

DETAIL #: CS-PJ-03-KSV

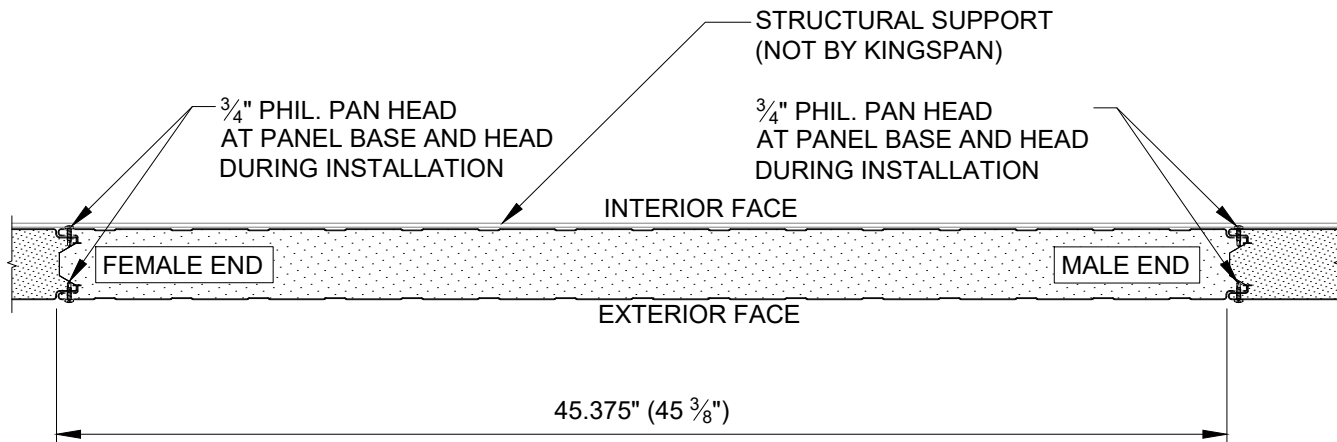
RELEASE: 2026

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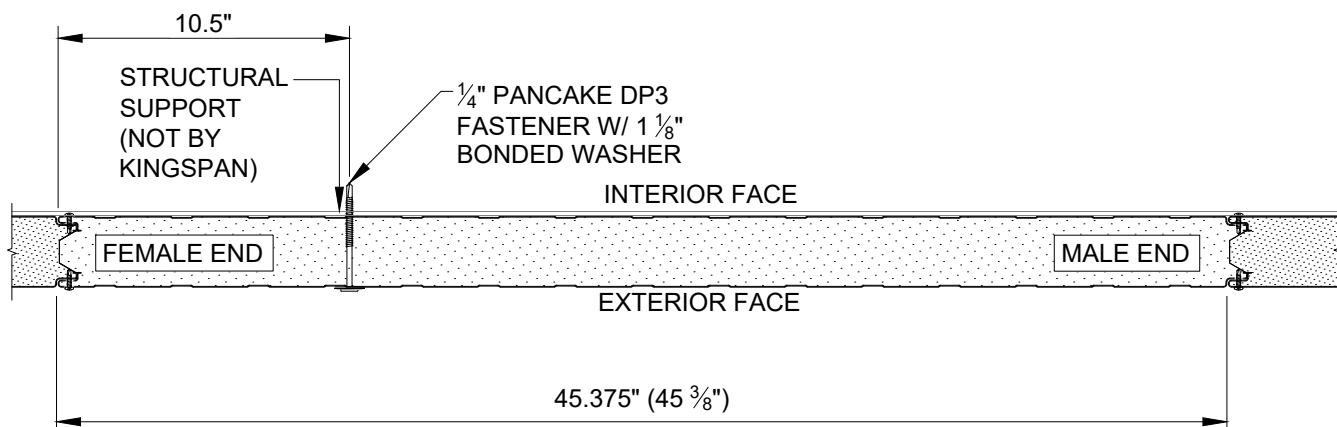
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



FASTENING PATTERN 1A
STANDARD JOINT FASTENING WITH 3/4" PHIL. PAN HEAD FASTENERS AT
PANEL BASE AND HEAD DURING PANEL INSTALLATION



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

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

DETAIL #: CS-FP-01-KSV

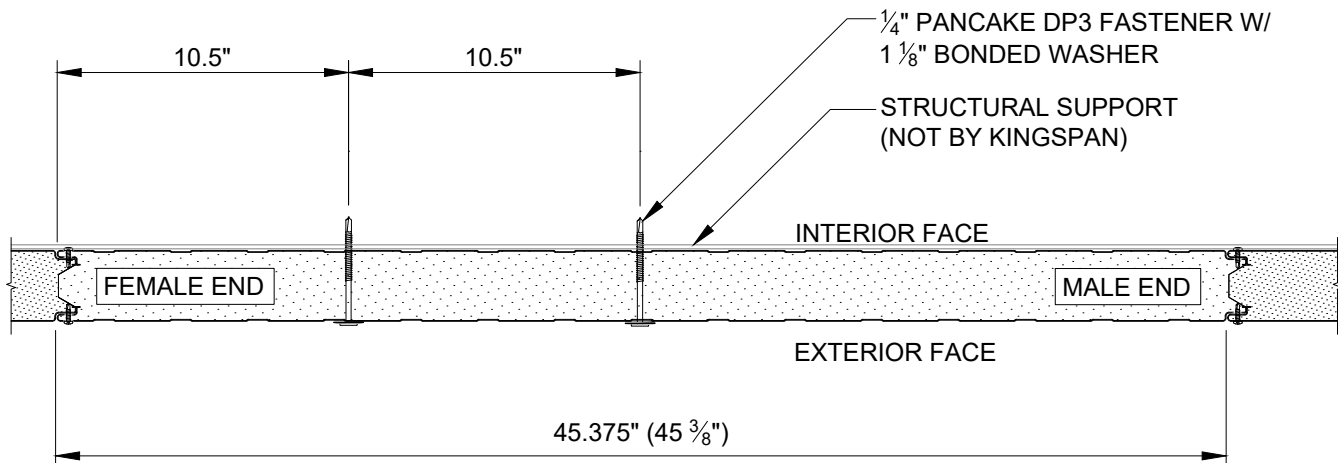
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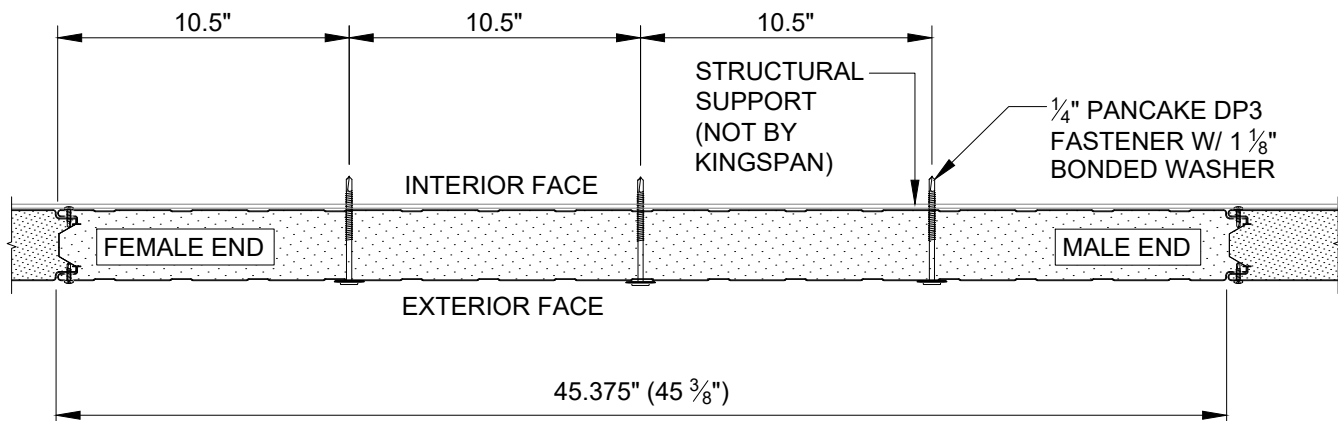


KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



FASTENING PATTERN 3A

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



FASTENING PATTERN 4A

STANDARD JOINT FASTENING WITH 3/4" PHIL. PAN HEAD FASTENERS AT PANEL BASE AND HEAD DURING PANEL INSTALLATION / 3 ADDITIONAL 1/4" PANCAKE THROUGH FASTENER W/ 1 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

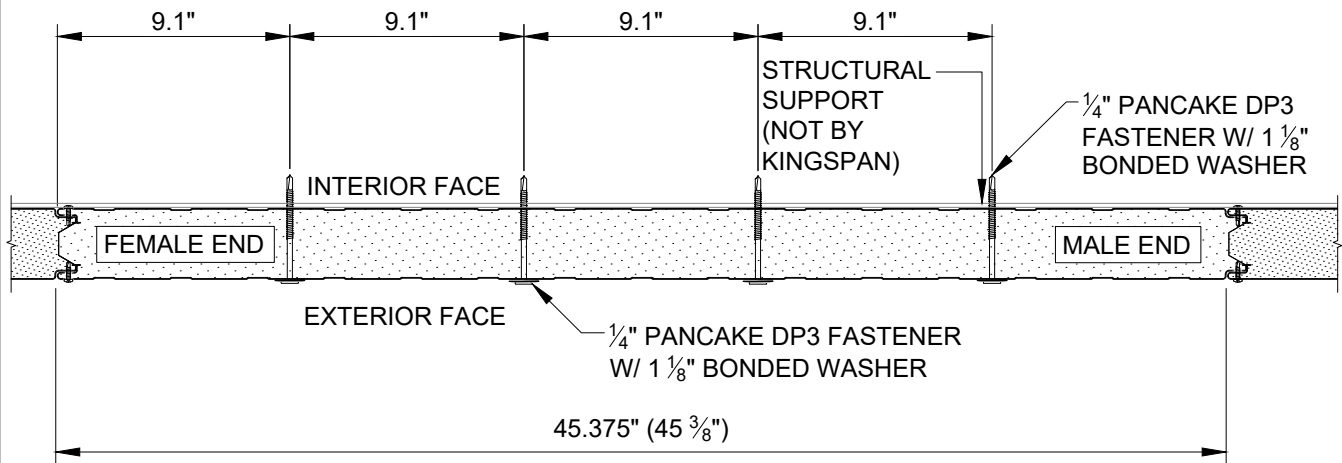
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FASTENING PATTERN 5A

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

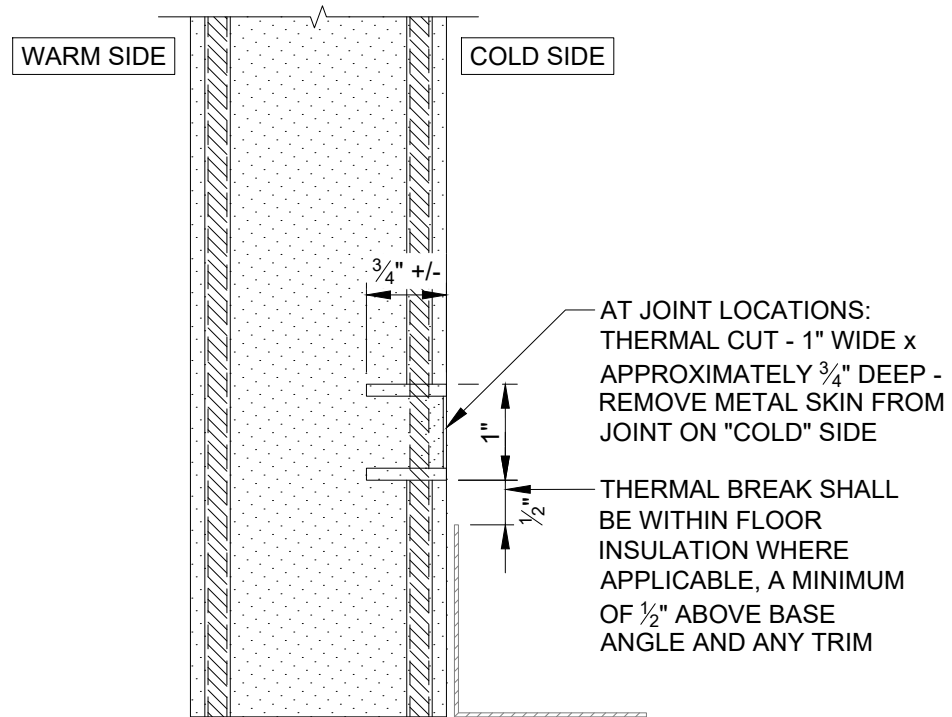
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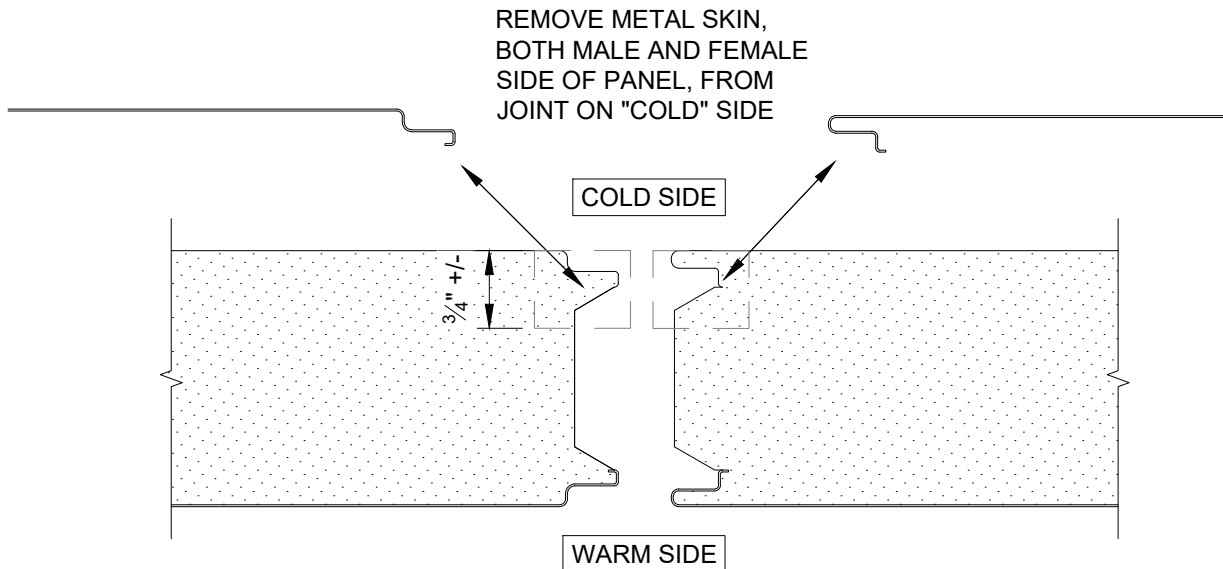
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THERMAL BREAK SECTION CUT



THERMAL BREAK PLAN CUT

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KS THERMAL CUT AT JOINT

DETAIL #: CS-TC-01-KSV

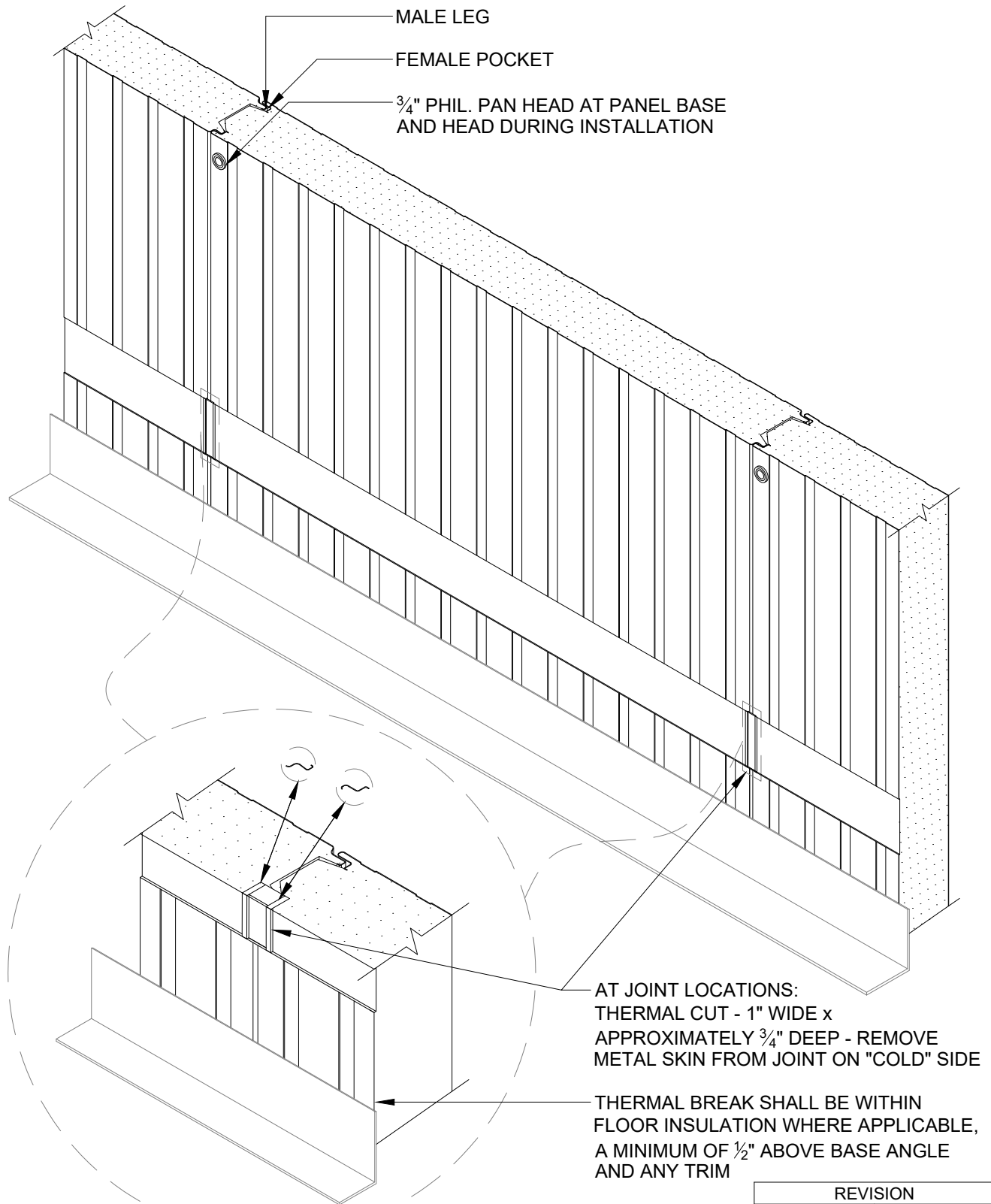
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KS THERMAL CUT AT JOINT
ISOMETRIC

DETAIL #: CS-TC-02-KSV

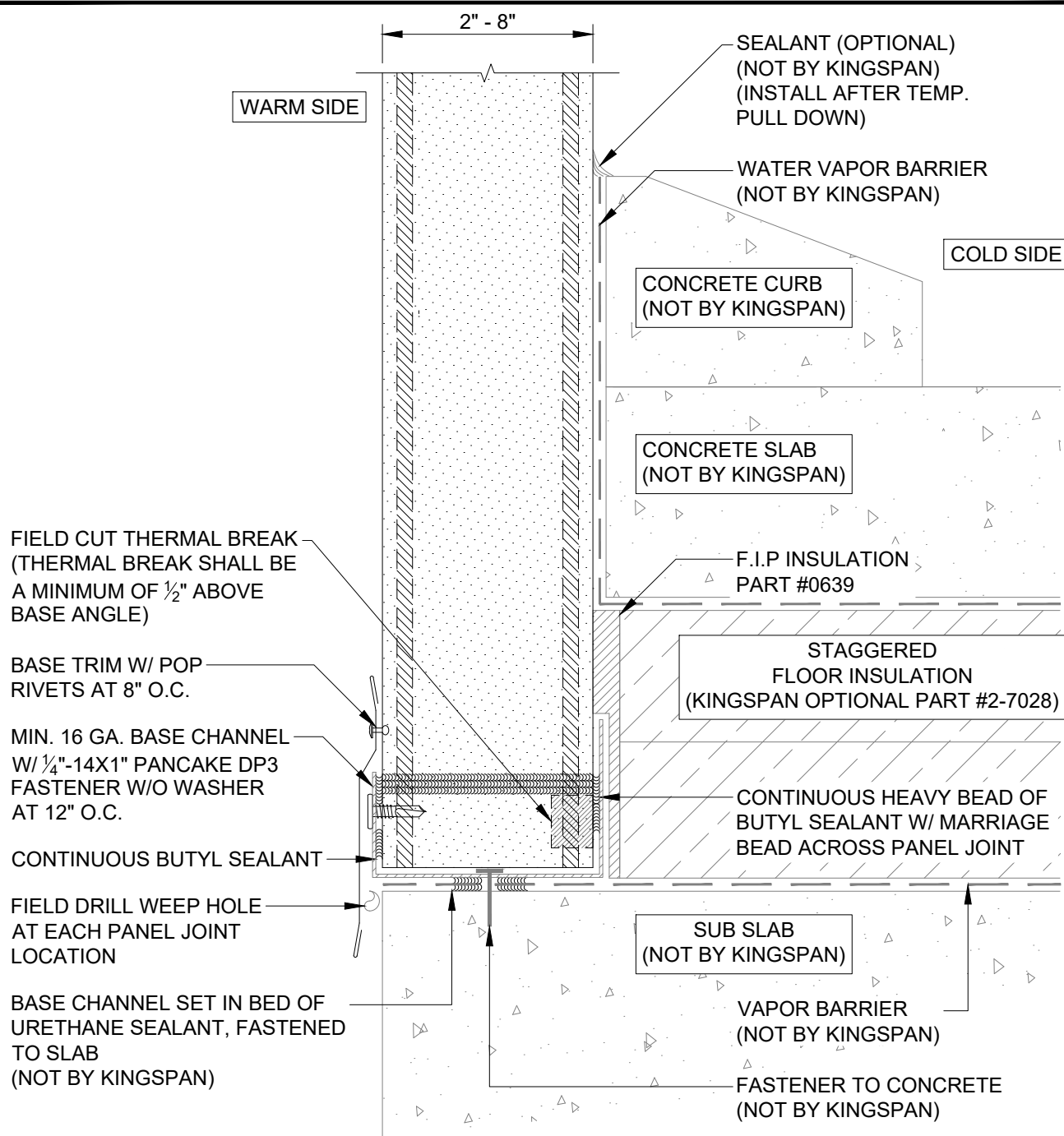
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



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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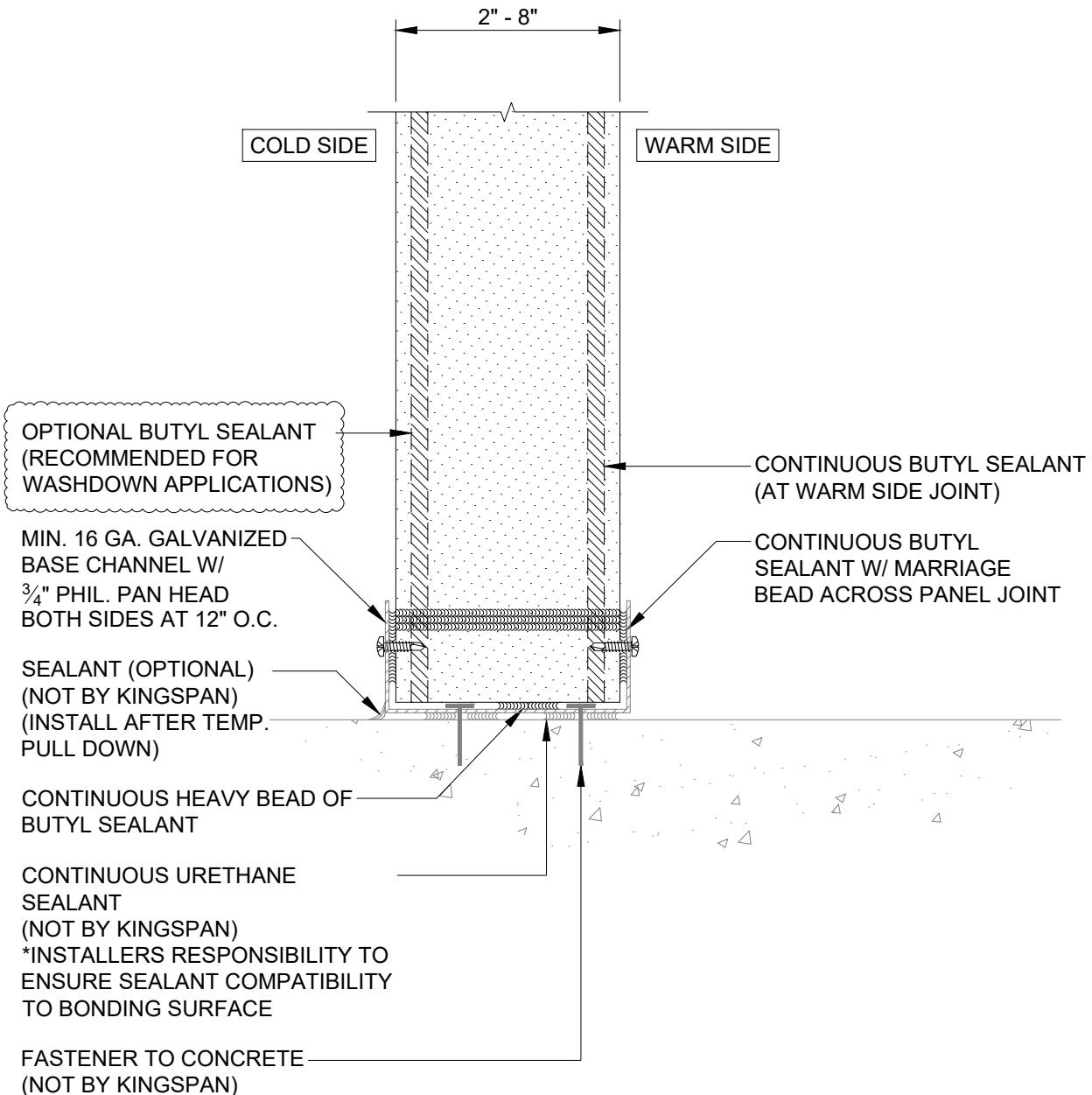
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

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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

DETAIL #: CS-BS-02-KSV

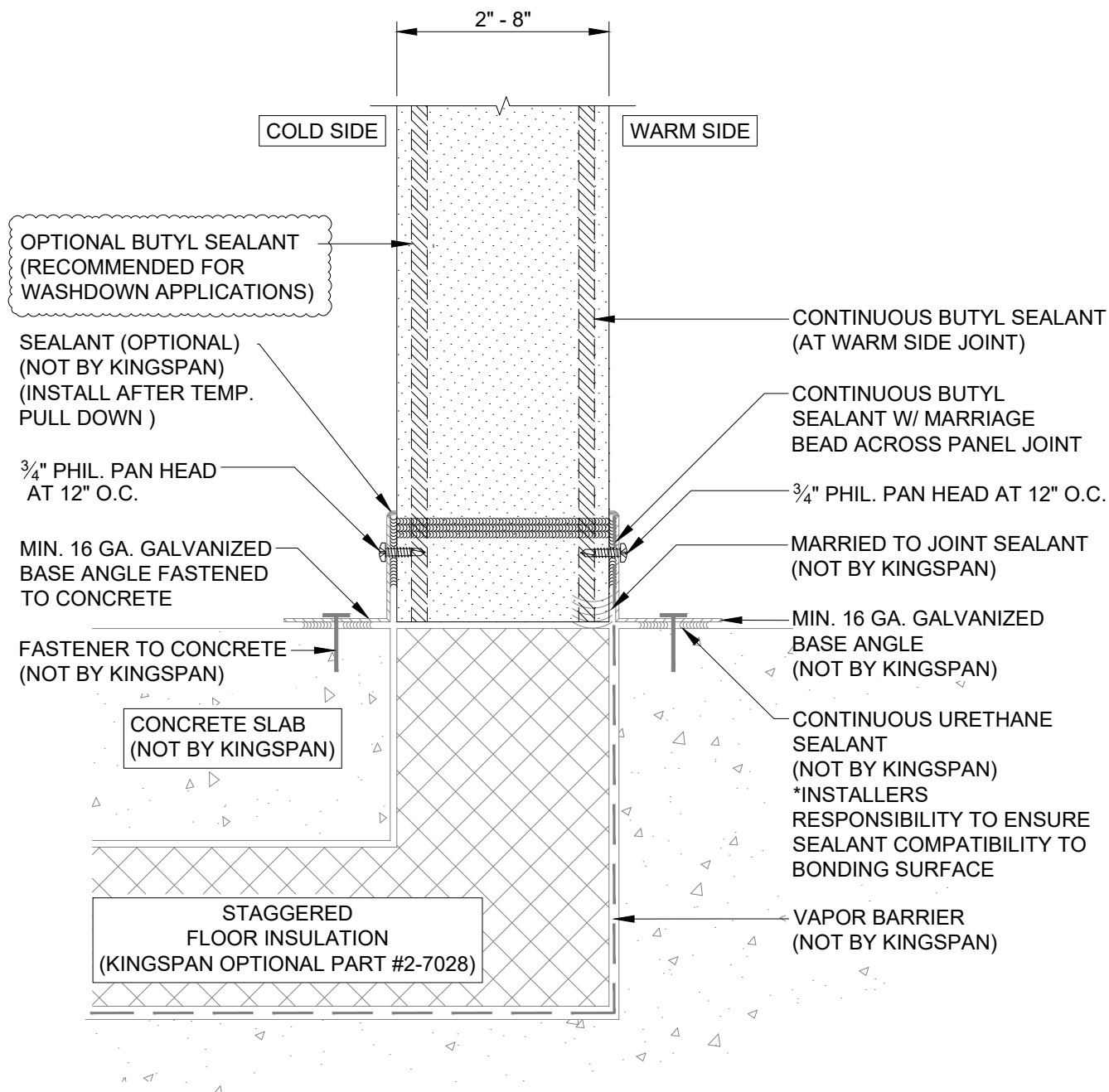
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



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BASE DETAIL
INTERIOR PARTITION
W/ INSULATED FLOOR

DETAIL #: CS-BS-03-KSV

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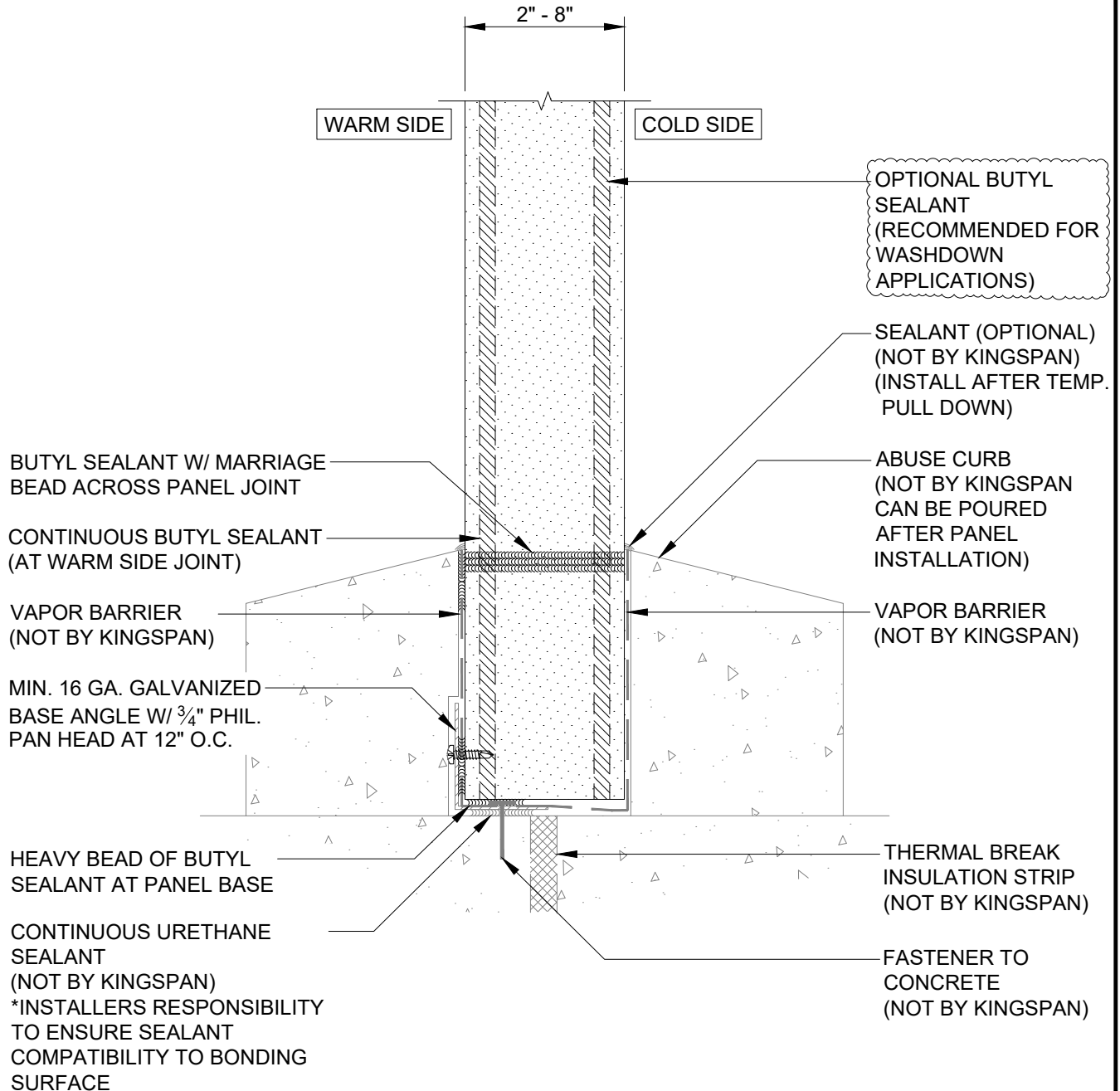
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NOTES:

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BASE DETAIL
INTERIOR PARTITION W/ CURB
THERMAL BREAK IN SLAB

DETAIL #: CS-BS-04-KSV

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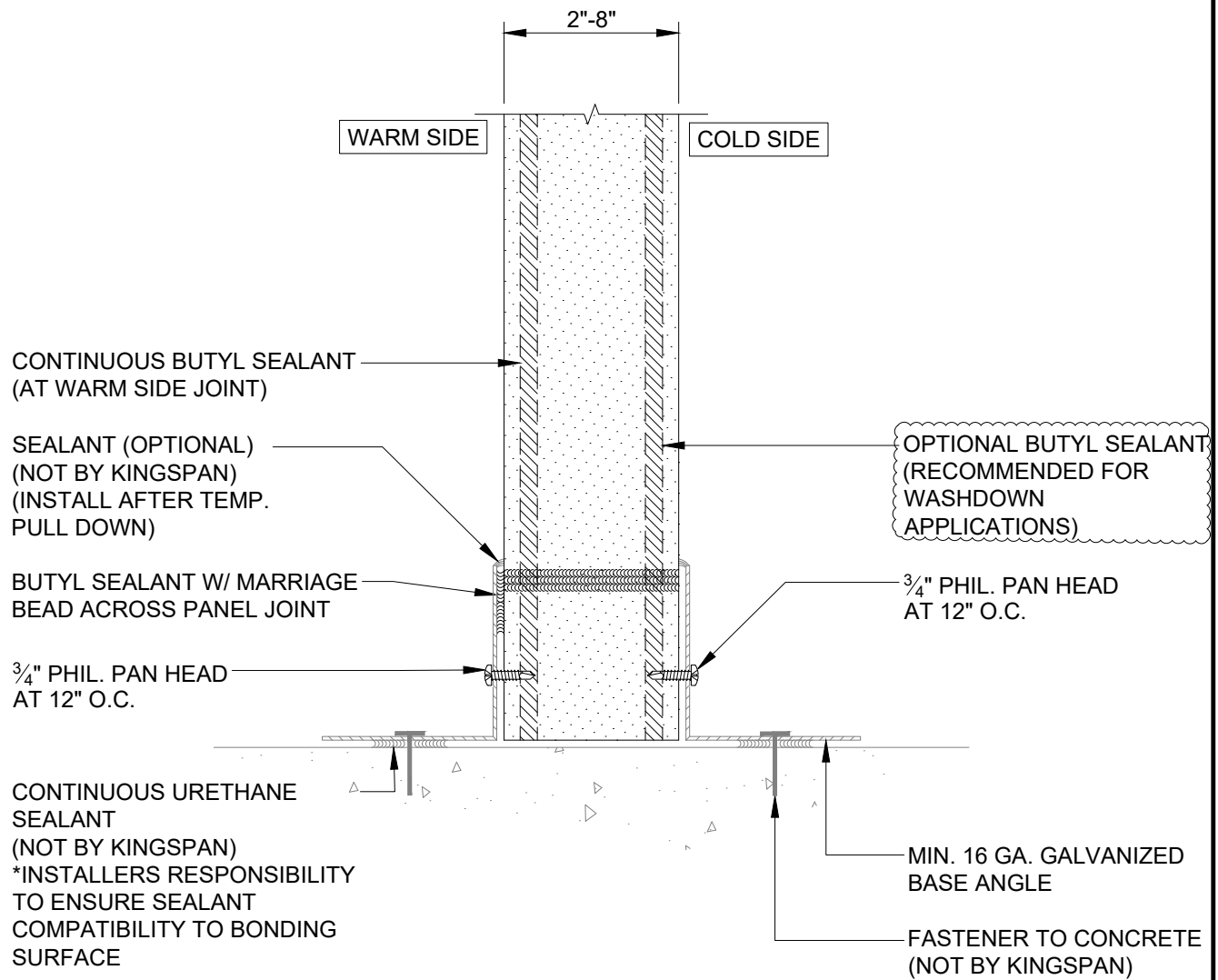
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THIS DETAIL ASSUMES MINIMAL TEMPERATURE DIFFERENTIAL ON EITHER SIDE OF PANEL

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BASE DETAIL
INTERIOR PARTITION WALL

DETAIL #: CS-BS-05-KSV

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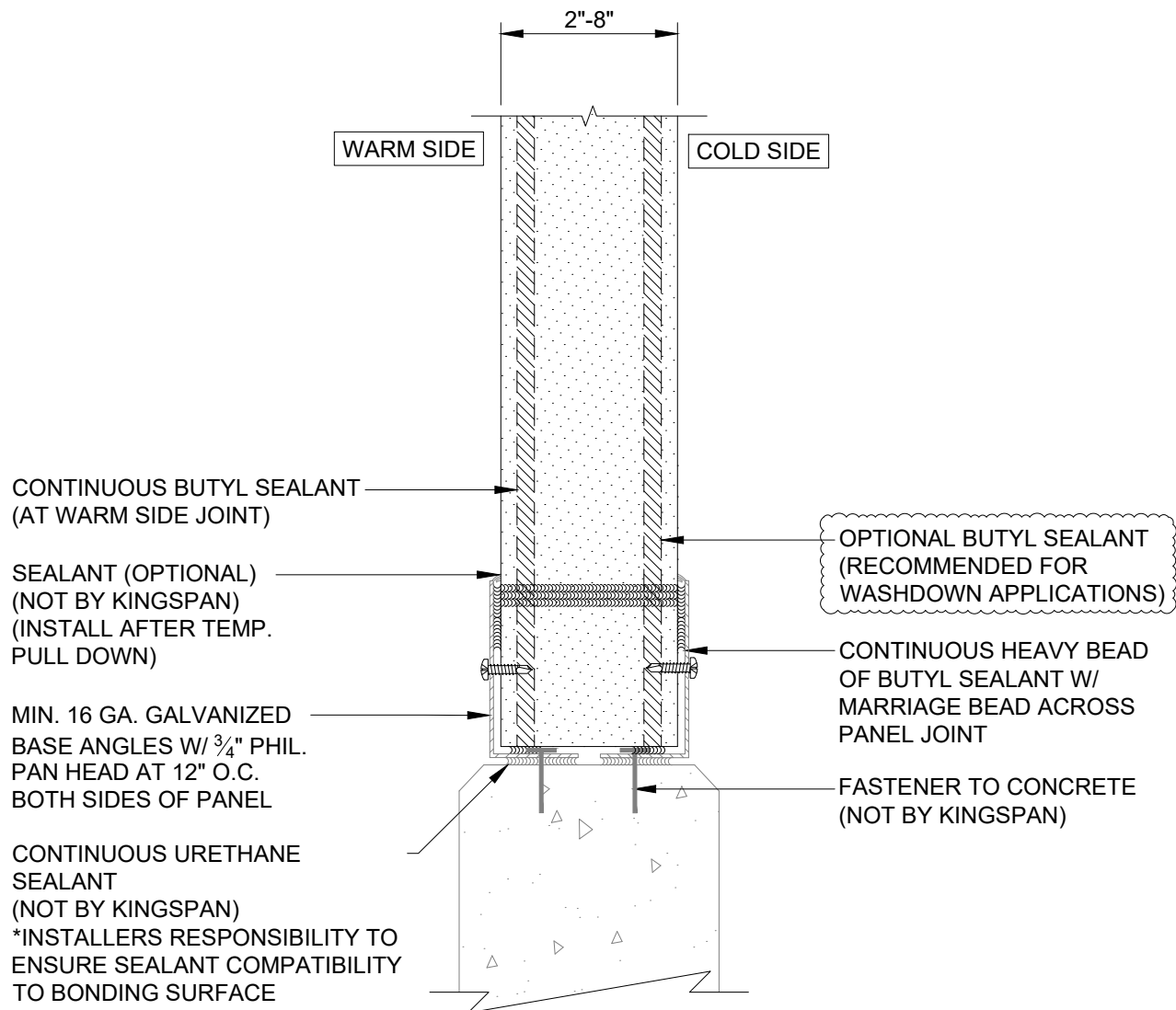
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BASE DETAIL
INTERIOR PARTITION WALL ON CURB

DETAIL #: CS-BS-06-KSV

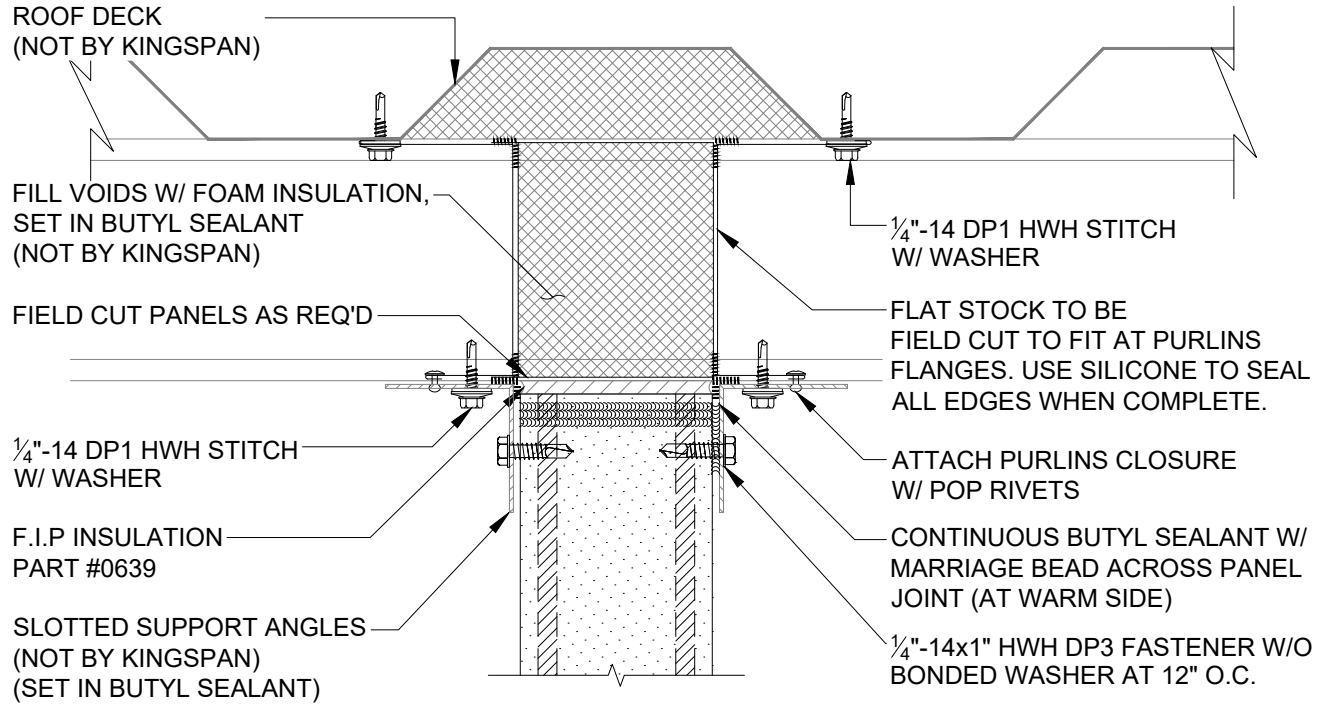
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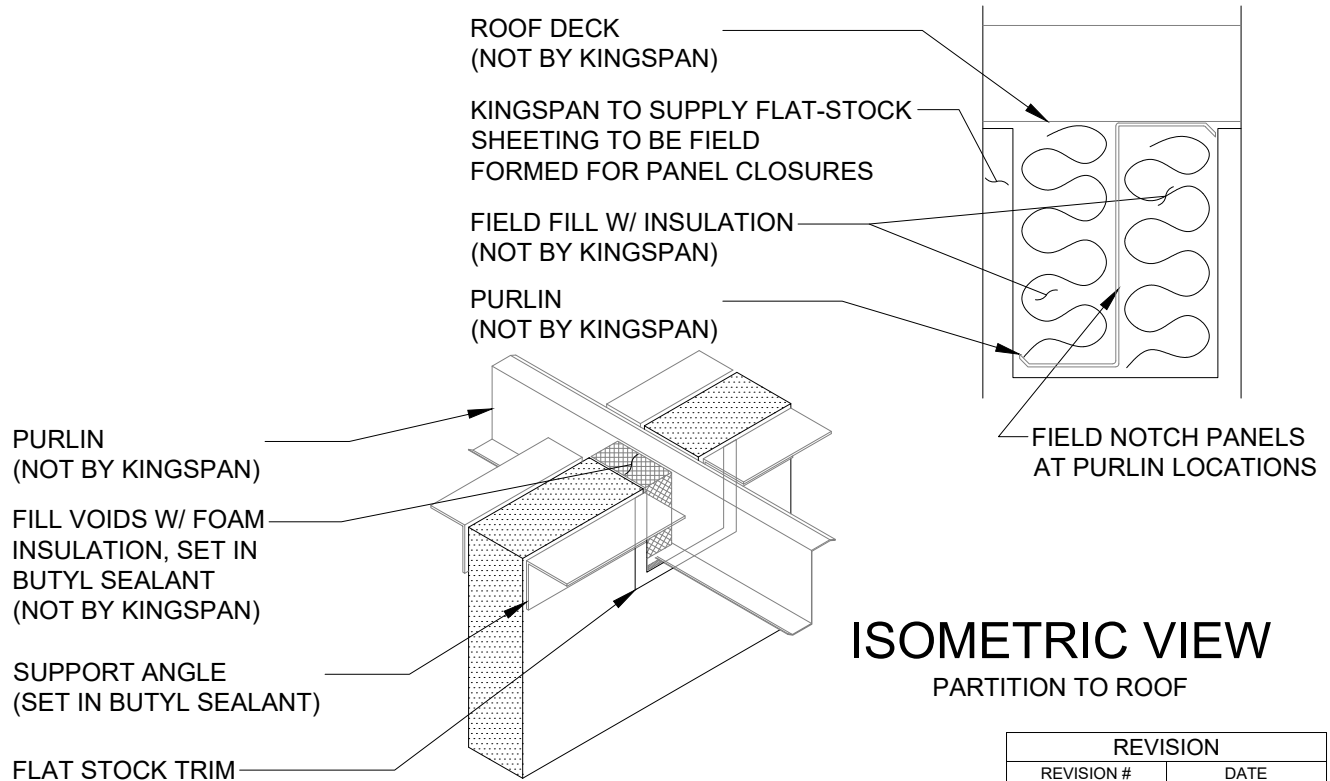


KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



PARTITION TO ROOF (WITH FOAM INSULATION)

(PERPENDICULAR TO PURLIN)



ISOMETRIC VIEW PARTITION TO ROOF

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PARTITION WALL TO FLOOR / ROOF

DETAIL #: CS-PR-01-KSV

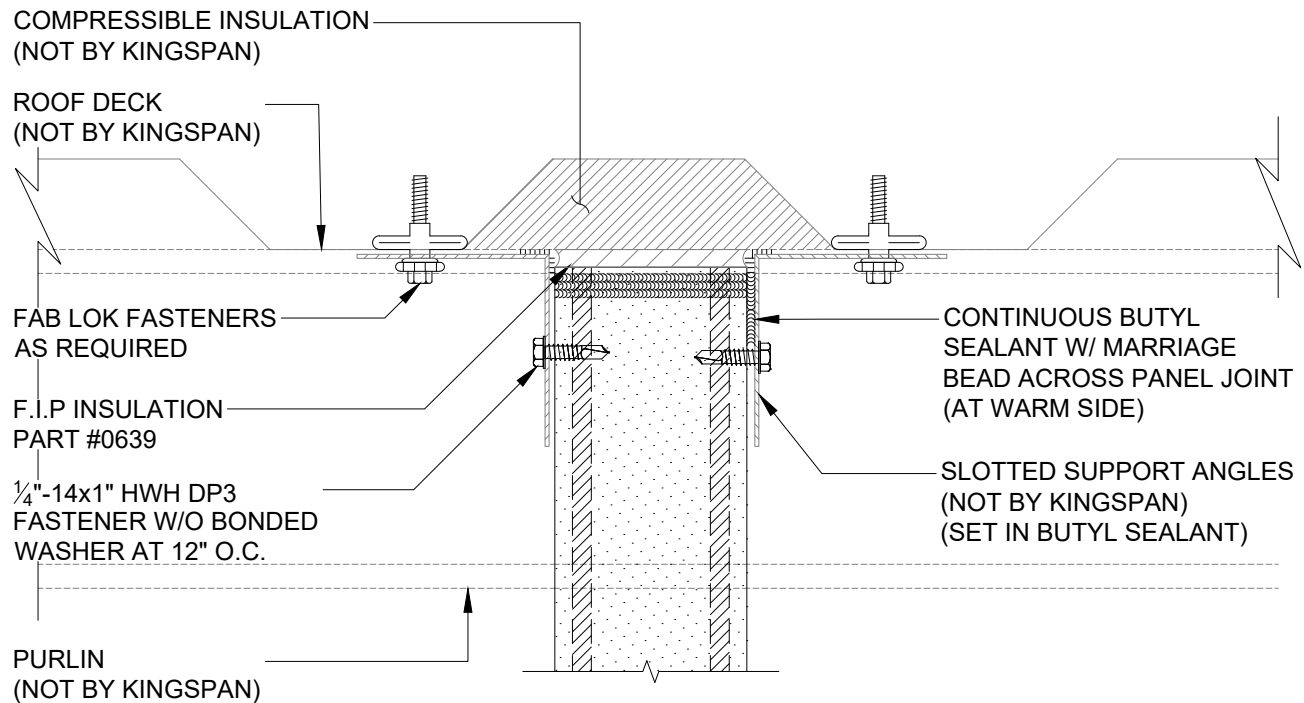
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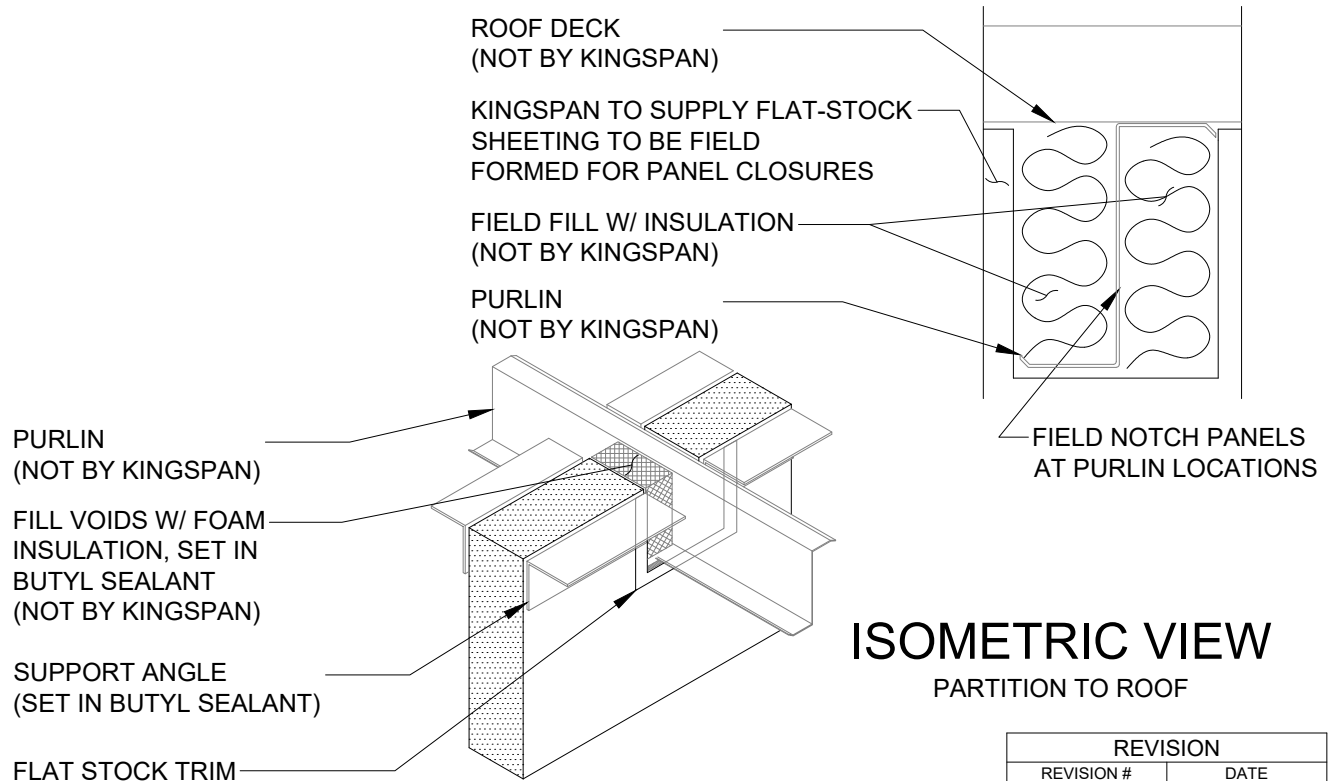


KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



PARTITION TO ROOF

(PERPENDICULAR TO PURLIN)



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PARTITION WALL TO FLOOR / ROOF
THROUGH FRAMING

DETAIL #: CS-PR-02-KSV

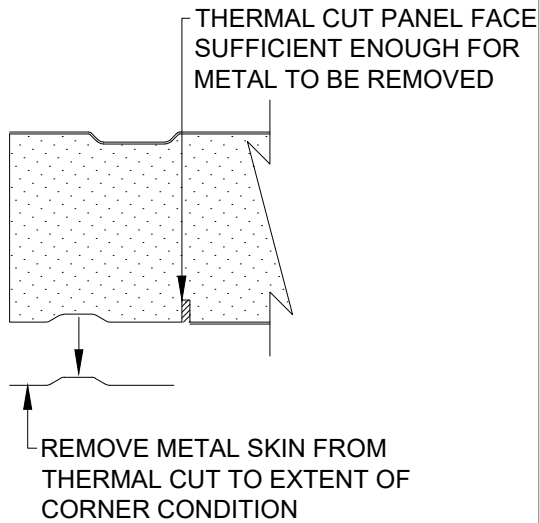
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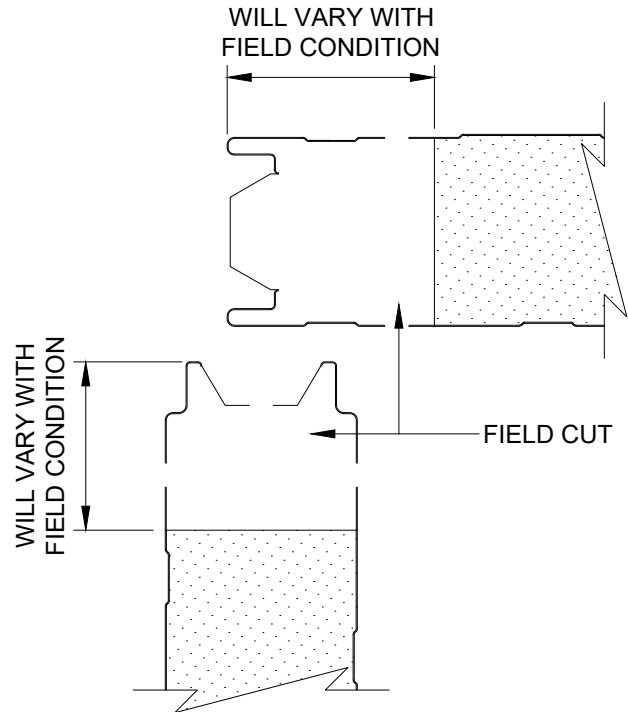
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



- 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"



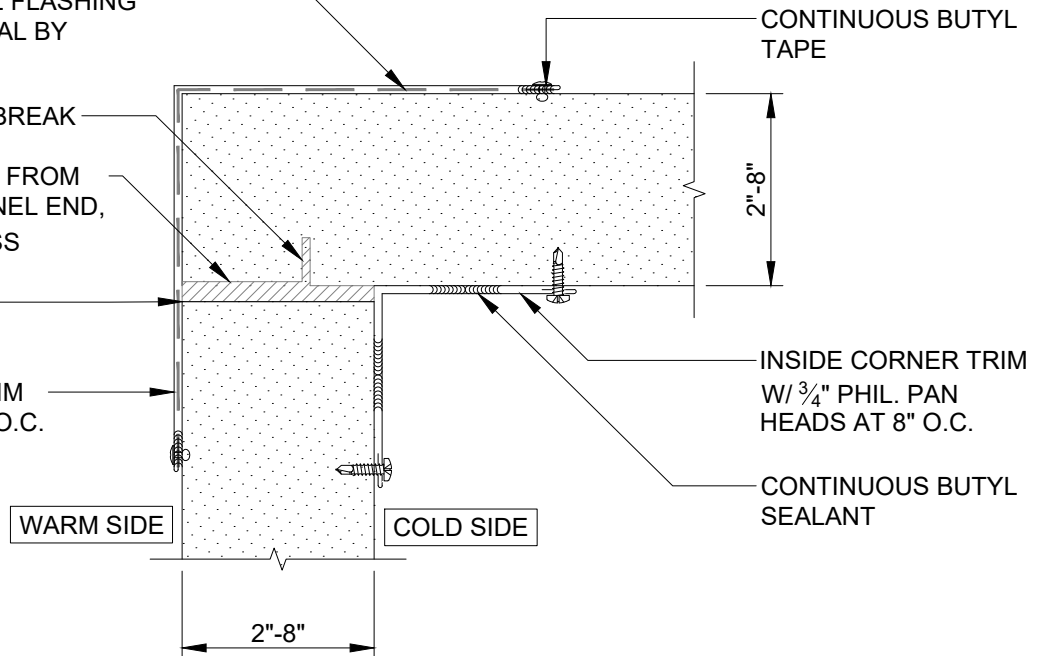
VAPOR BARRIER
(NOT BY KINGSPAN)
(GREENGUARD BUTYL FLASHING
PART #2-7070 OPTIONAL BY
KINGSPAN)

FIELD CUT THERMAL BREAK

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

F.I.P. INSULATION
PART #0639

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



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

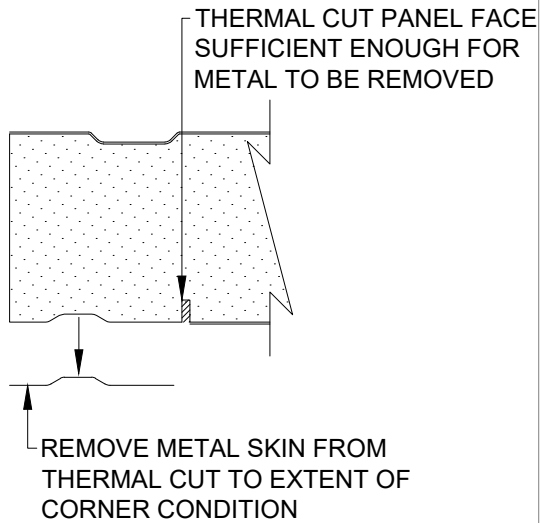
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OUTSIDE CORNER
PARTITION WALL

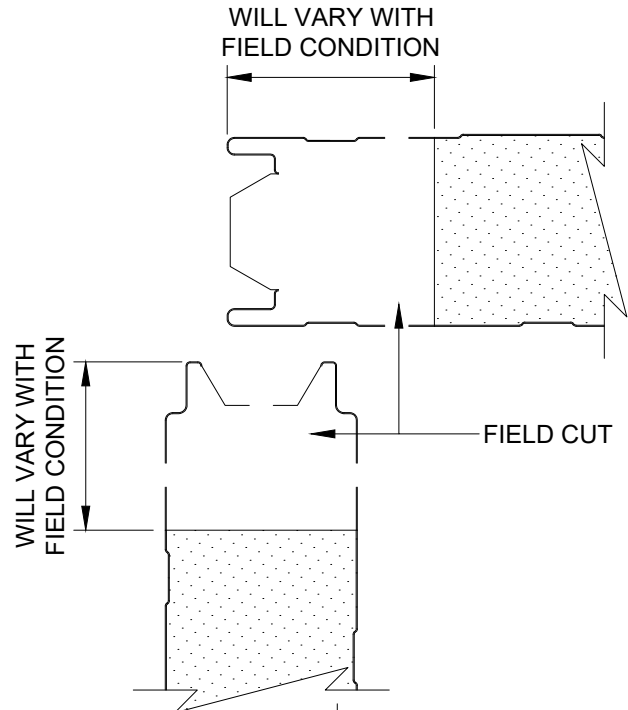
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



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"



FASTENER TO CONCRETE
(NOT BY KINGSPAN)

TRANS FLASHING

VAPOR BARRIER
(NOT BY KINGSPAN)
(GREENGUARD BUTYL
FLASHING PART #2-7070
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
PART #0639

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

WARM SIDE

OUTSIDE CORNER
TRIM (PRE-INSTALL)

2" - 8"

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

CONTINUOUS BUTYL
SEALANT

WARM SIDE

COLD SIDE

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

REVISION

REVISION #	DATE
1	9/1/26

OUTSIDE CORNER
LINER PANEL AT CONCRETE WALL

DETAIL #: CS-OC-02-KSV

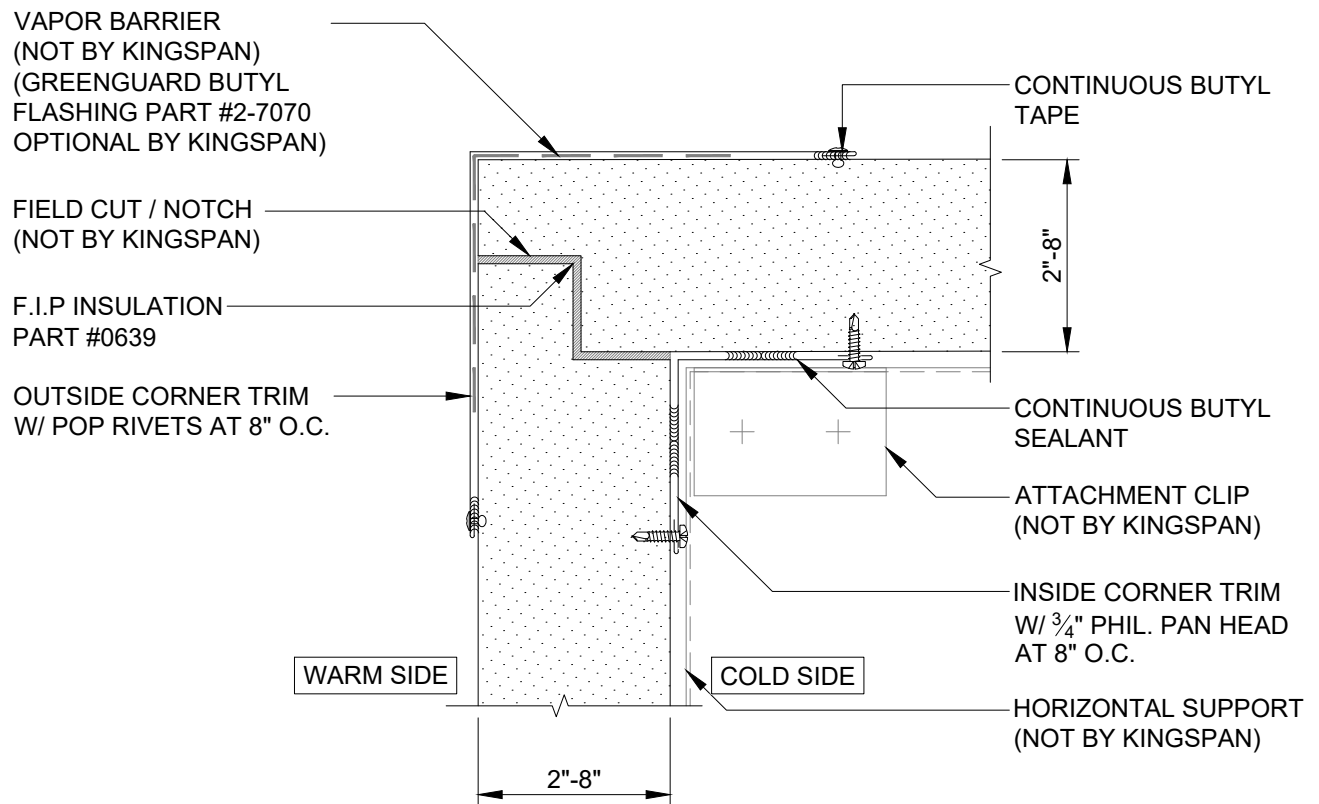
RELEASE: 2026

REGION: NORTH AMERICA

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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	
REVISION #	DATE
1	9/1/26

OUTSIDE CORNER
ALT. FIELD CUT

DETAIL #: CS-OC-03-KSV

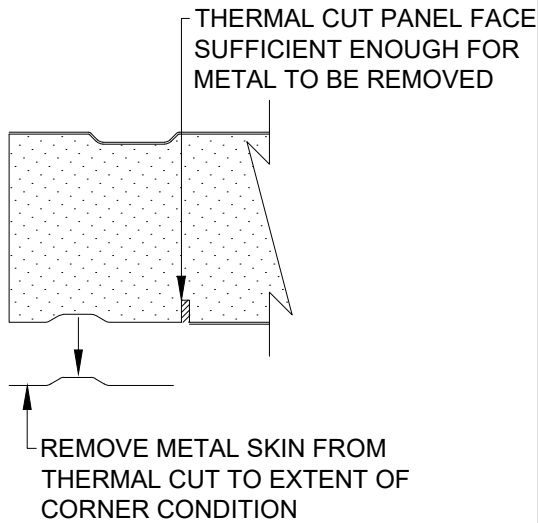
RELEASE: 2026

REGION: NORTH AMERICA

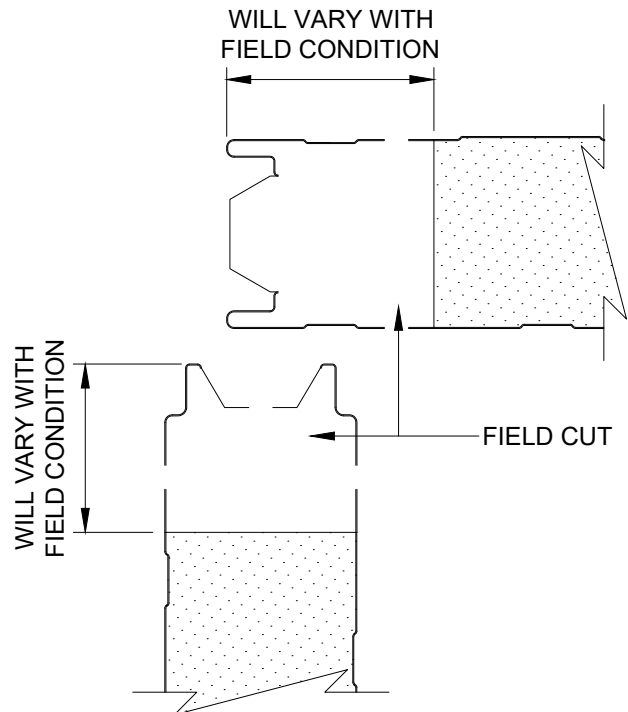
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



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
PART #0639

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 PART #2-7070
OPTIONAL BY KINGSPAN)

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

CONTINUOUS BUTYL
TAPE

2"-8"

2"-8"

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

REVISION

REVISION #	DATE
1	9/1/26

INTERIOR PARTITION
INSIDE CORNER
FLAT TRIM

DETAIL #: CS-IC-01-KSV

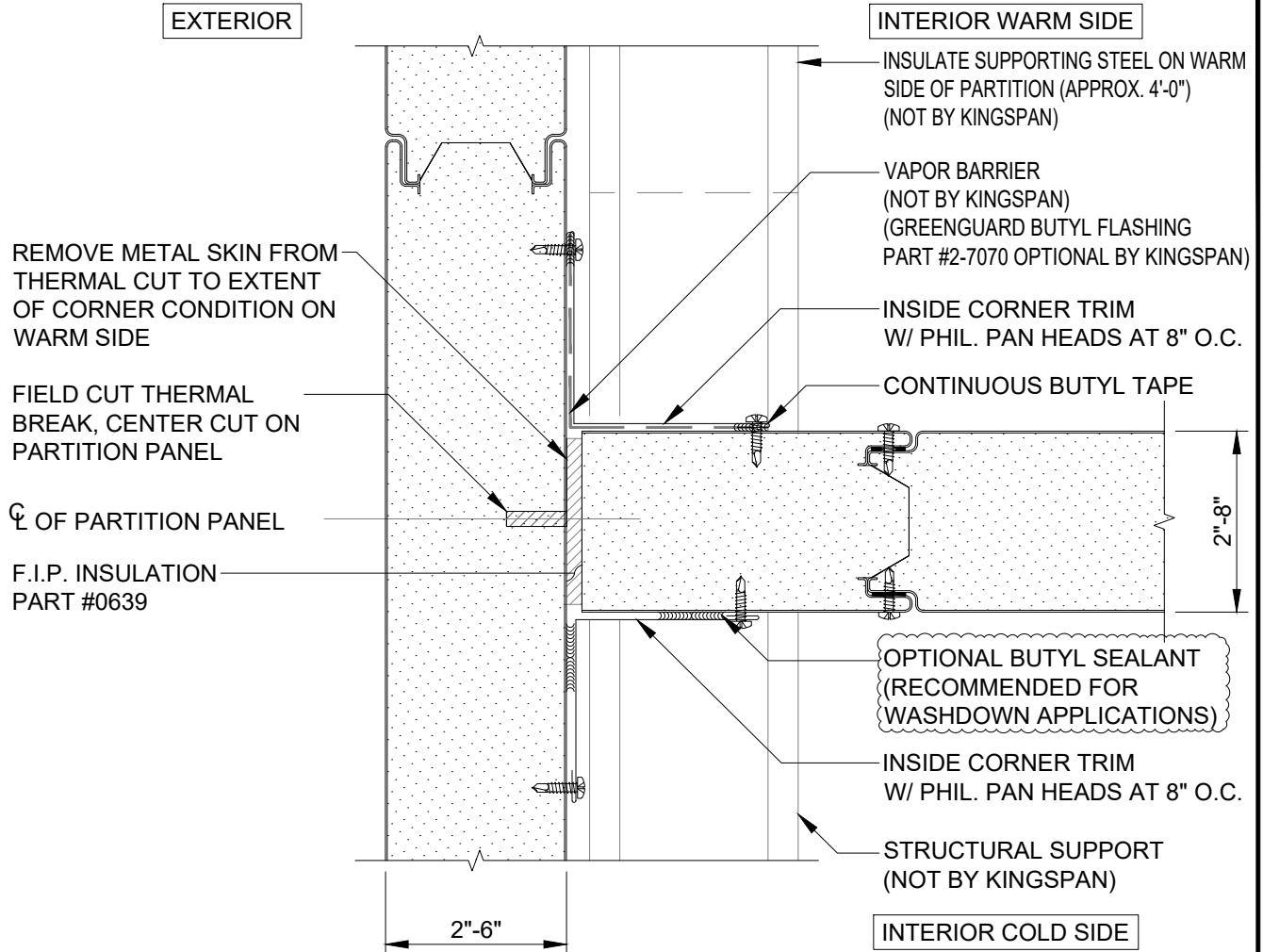
RELEASE: 2026

REGION: NORTH AMERICA

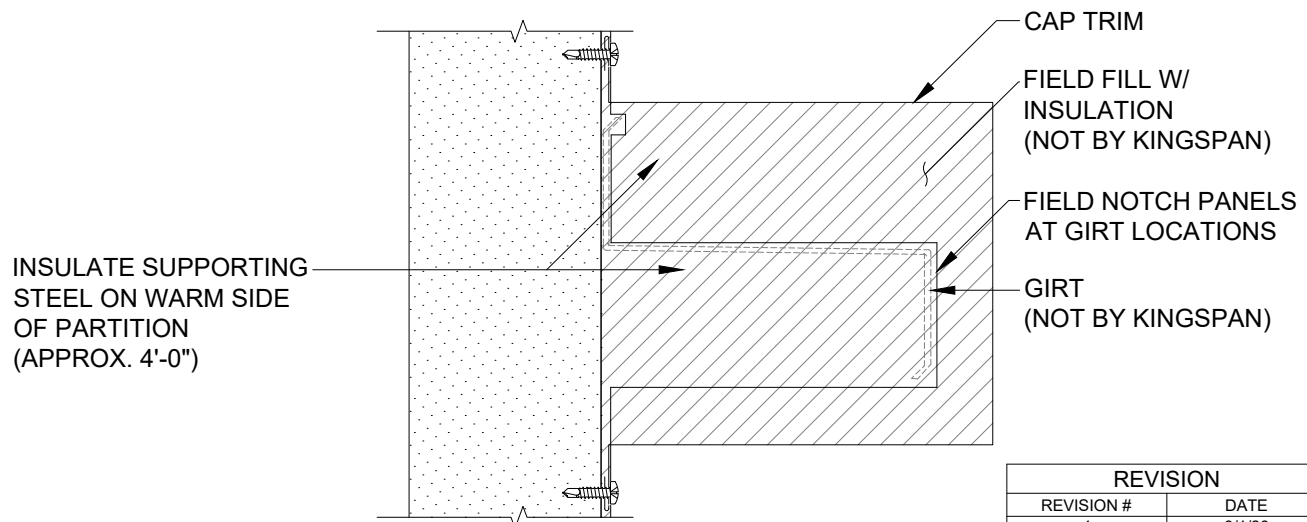
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



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



INTERIOR PARTITION TO EXTERIOR
WALL
THROUGH FRAMING

DETAIL #: CS-IC-02-KSV

RELEASE: 2026

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
PART #0639

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

STRUCTURAL
SUPPORT
(NOT BY KINGSPAN)

KS WALL PANEL

KS INTERIOR PANEL

STRUCTURAL
SUPPORT
(NOT BY KINGSPAN)

KS WALL PANEL

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

REVISION

REVISION #	DATE
1	9/1/26

INTERIOR PARTITION TO EXTERIOR
WALL
ISOMETRIC VIEWS

DETAIL #: CS-IC-03-KSV

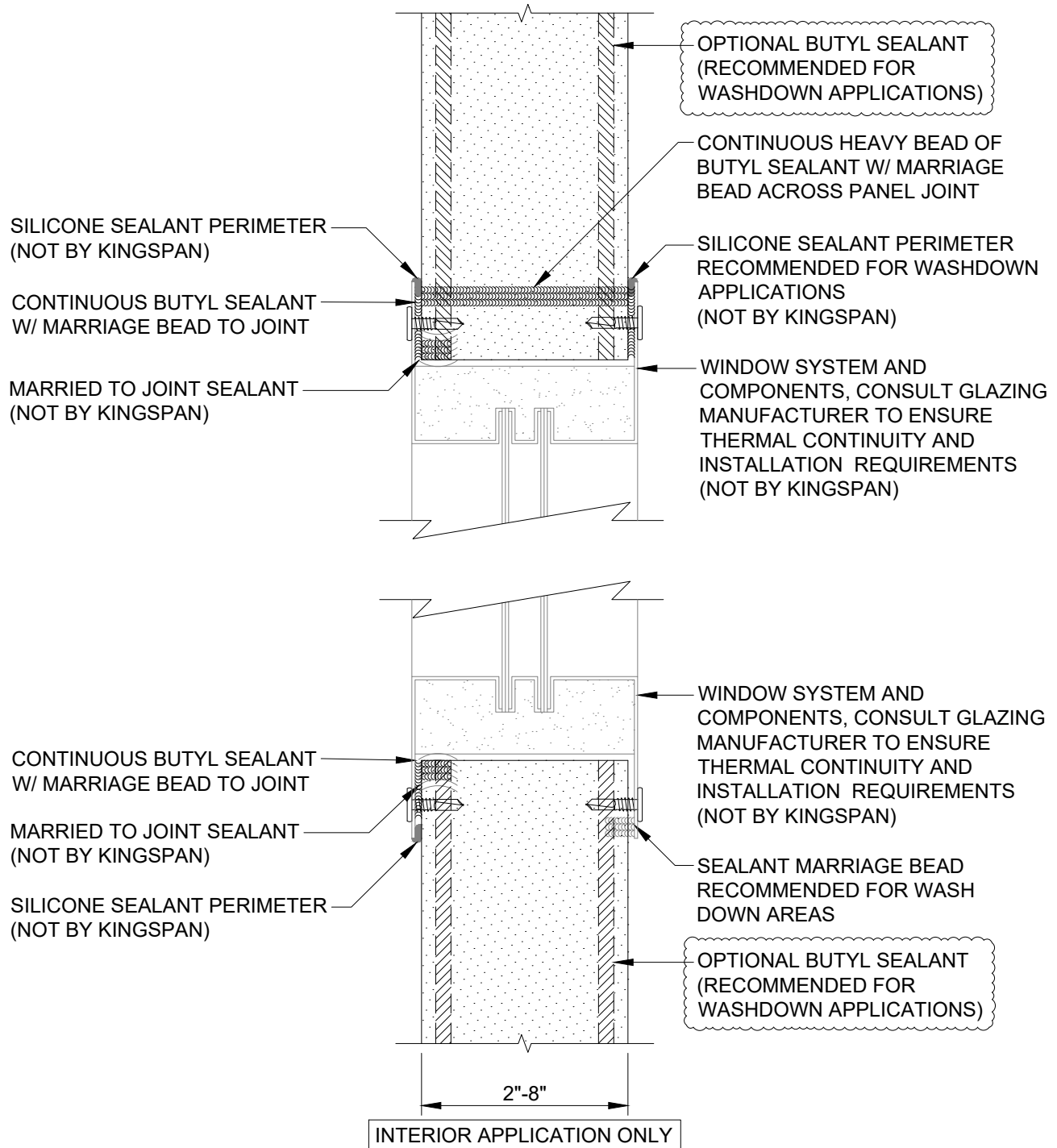
RELEASE: 2026

REGION: NORTH AMERICA

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

REVISION	
REVISION #	DATE
1	9/1/26

FRAMED OPENING HEAD / SILL
DOUBLE PAN

DETAIL #: CS-FO-01-KSV

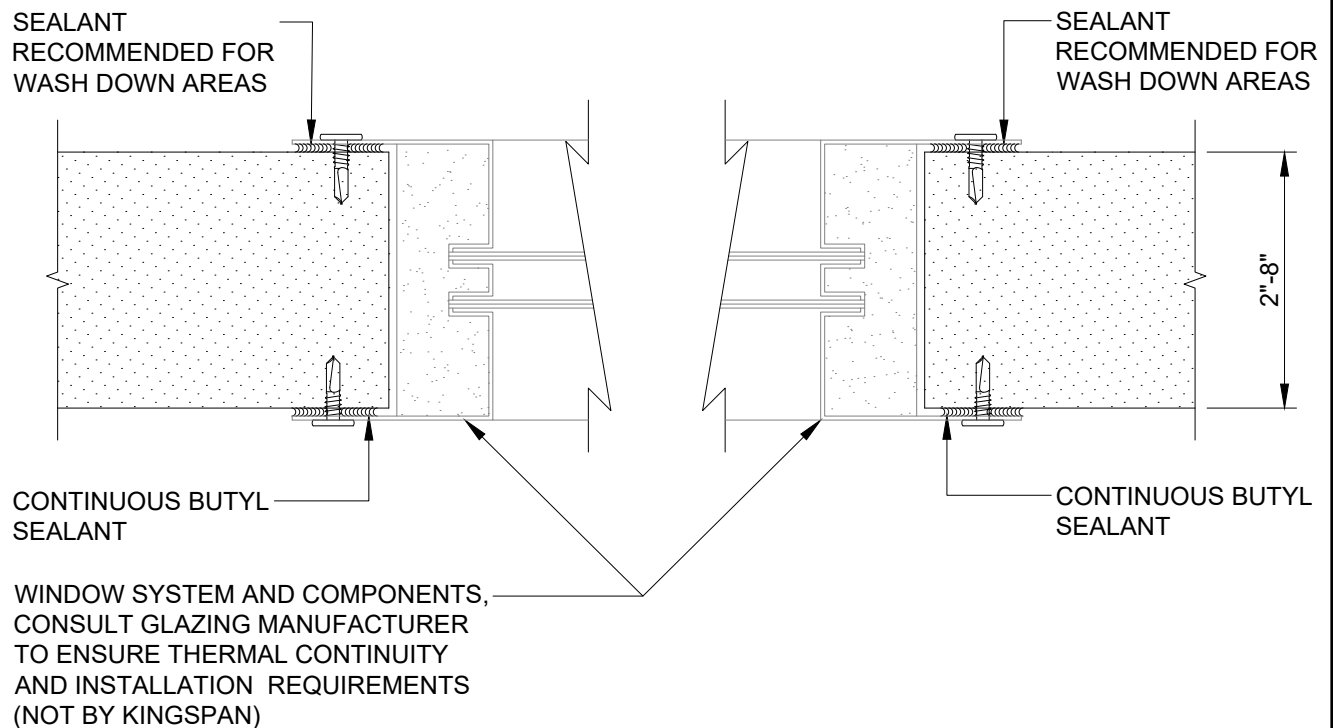
RELEASE: 2026

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
1	9/1/26

FRAMED OPENING JAMB
DOUBLE PAN

DETAIL #: CS-FO-02-KSV

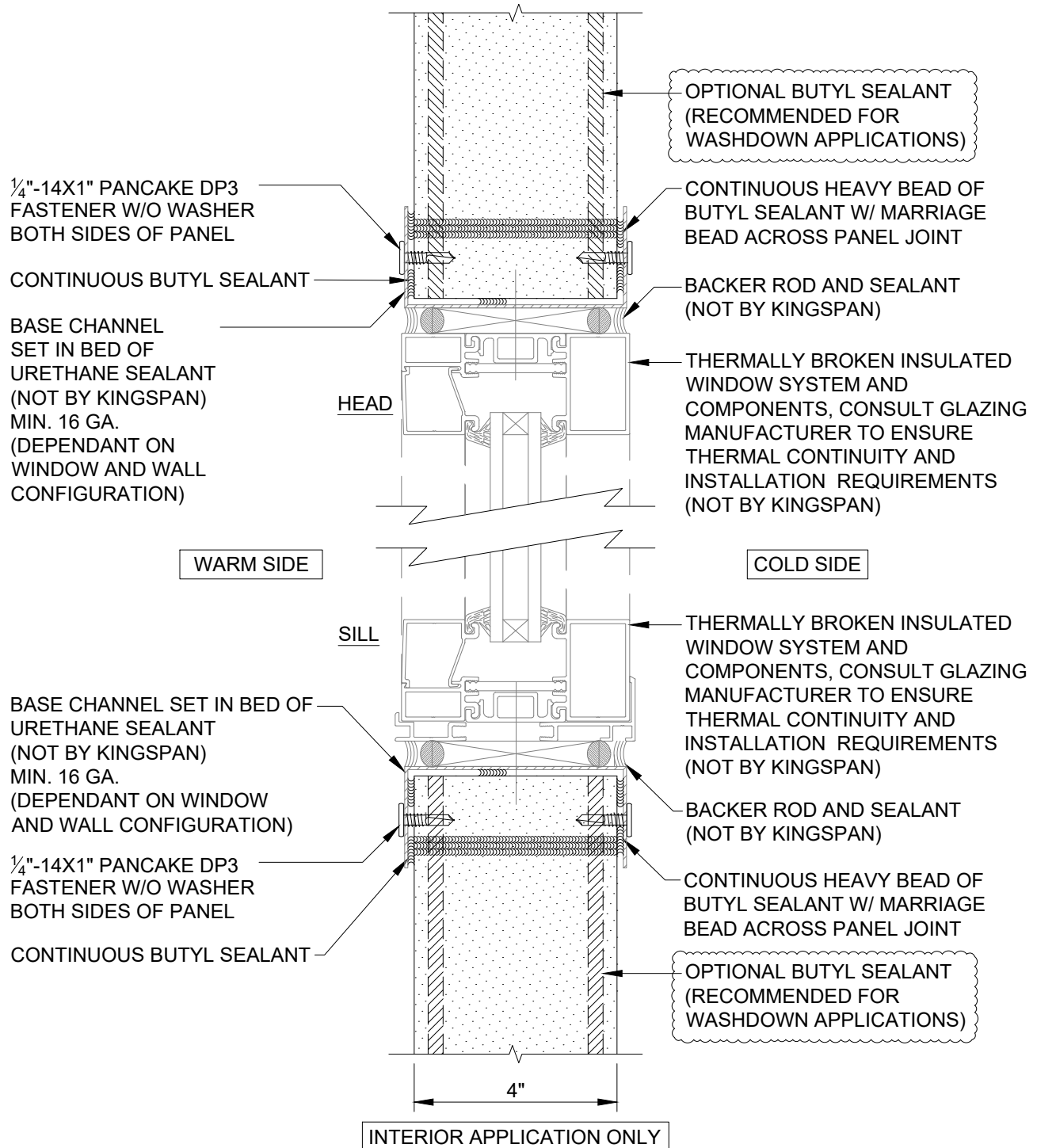
RELEASE: 2026

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
1	9/1/26

FRAMED OPENING HEAD / SILL
THERMALLY BROKEN

DETAIL #: CS-FO-03-KSV

RELEASE: 2026

REGION: NORTH AMERICA

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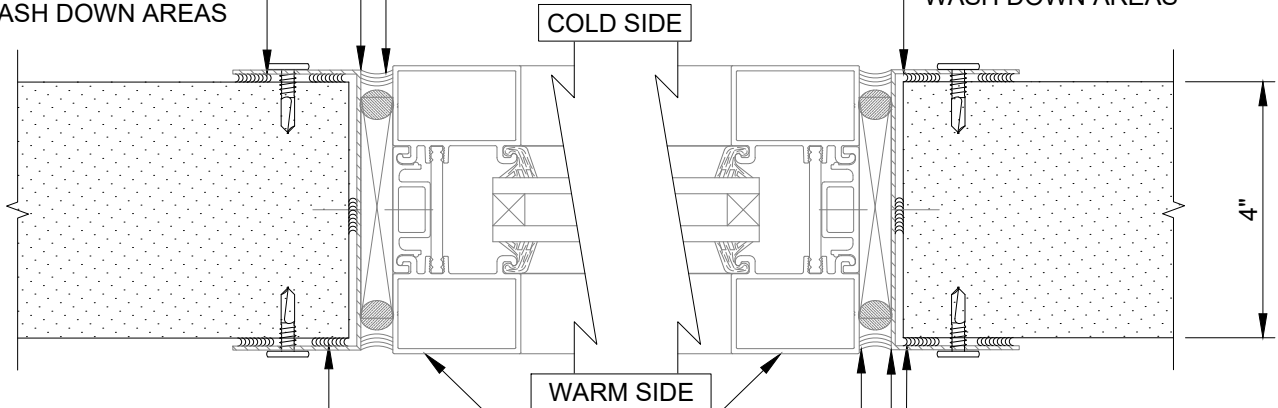


KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

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



CONTINUOUS BUTYL
SEALANT

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

COLD SIDE

WARM SIDE

SEALANT
RECOMMENDED FOR
WASH DOWN AREAS

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
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FRAMED OPENING JAMB
THERMALLY BROKEN

DETAIL #: CS-FO-04-KSV

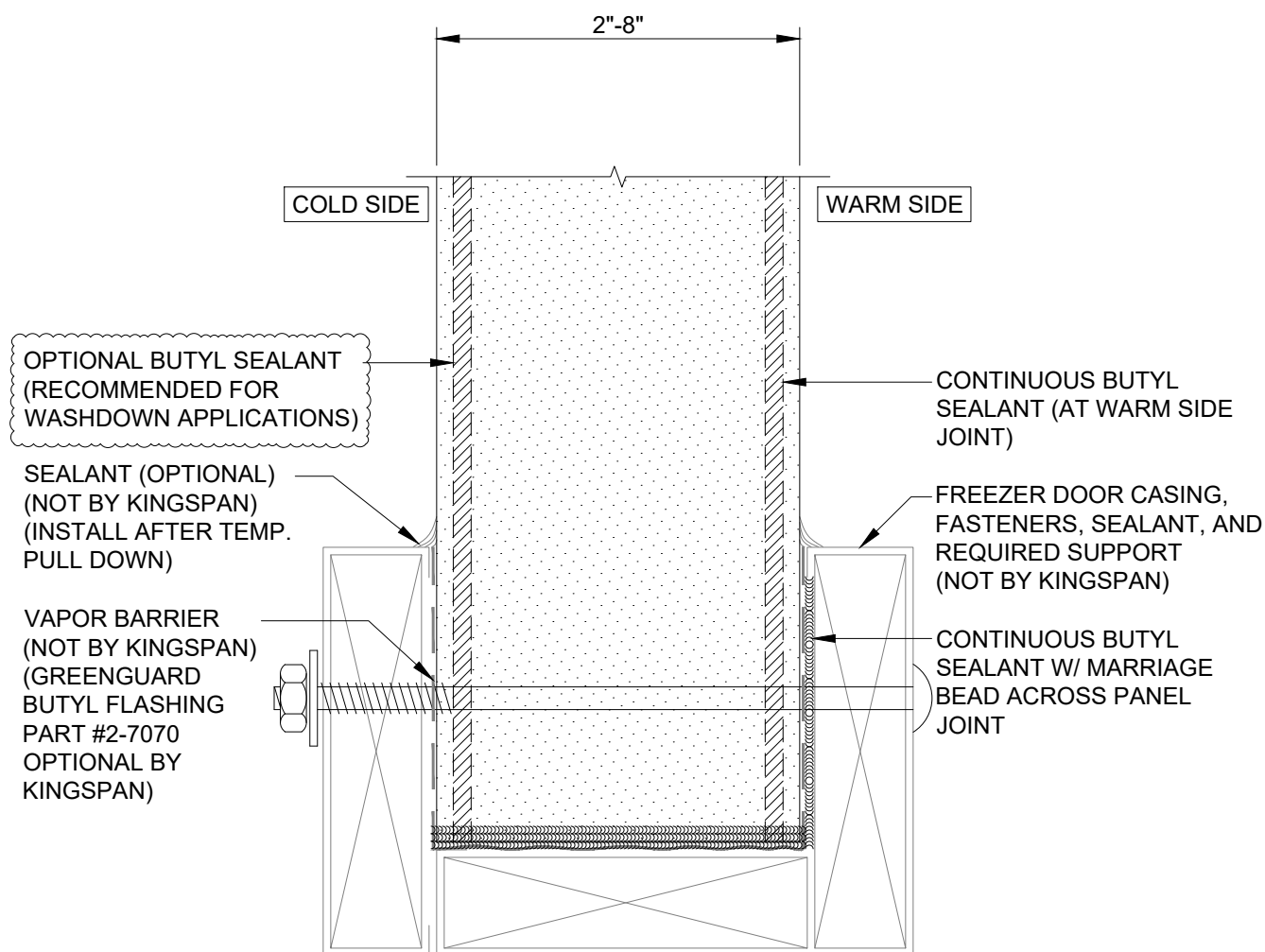
RELEASE: 2026

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

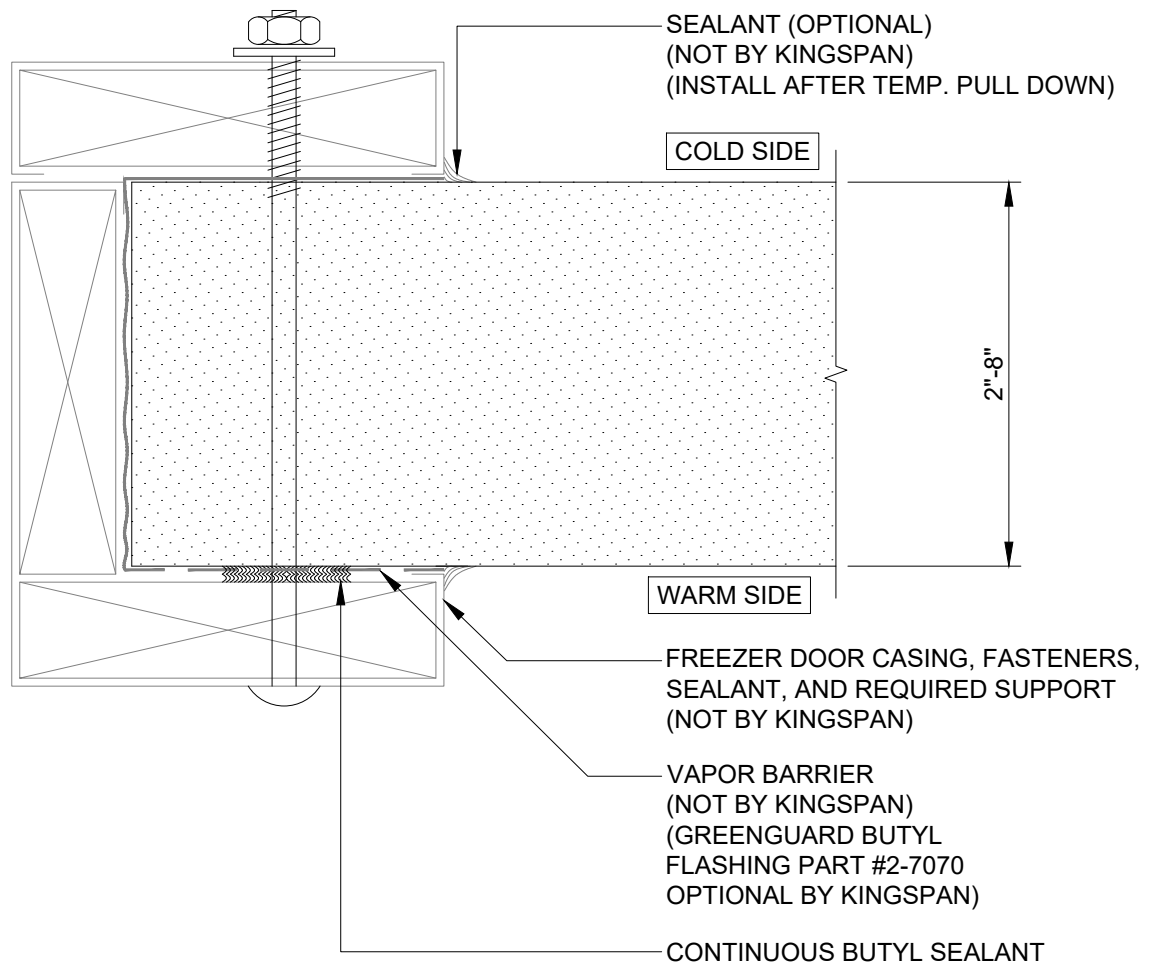
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REGION: NORTH AMERICA

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INTERIOR APPLICATION ONLY

REVISION	
REVISION #	DATE
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INTERIOR JAMB CONDITION

DETAIL #: CS-FO-06-KSV

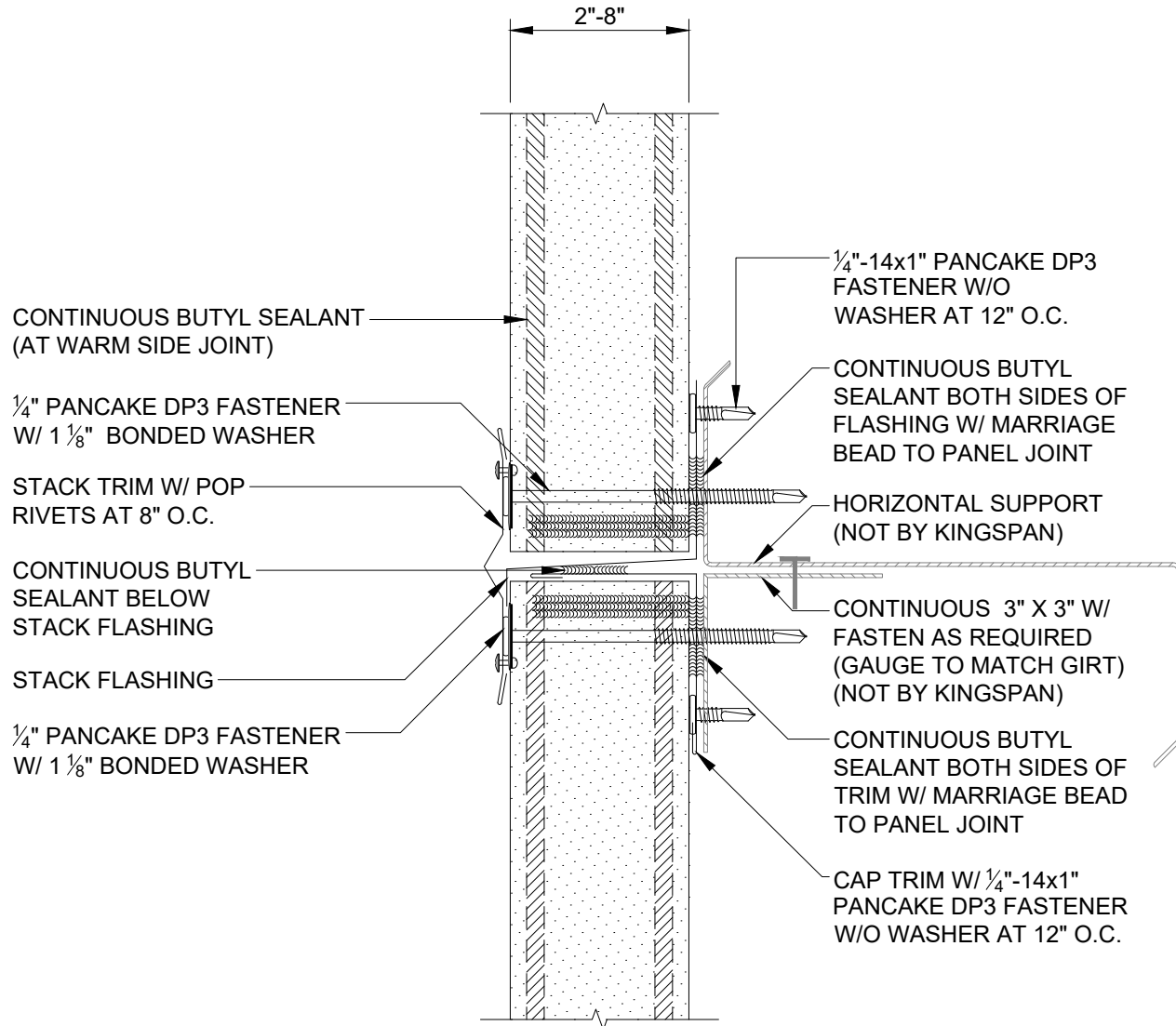
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REGION: NORTH AMERICA

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CONTACT KINGSPAN TECHNICAL SERVICES FOR PROPER PANEL FASTENING REQUIREMENTS

REVISION	
REVISION #	DATE
1	9/1/26

STACK JOINT

DETAIL #: CS-ST-01-KSV

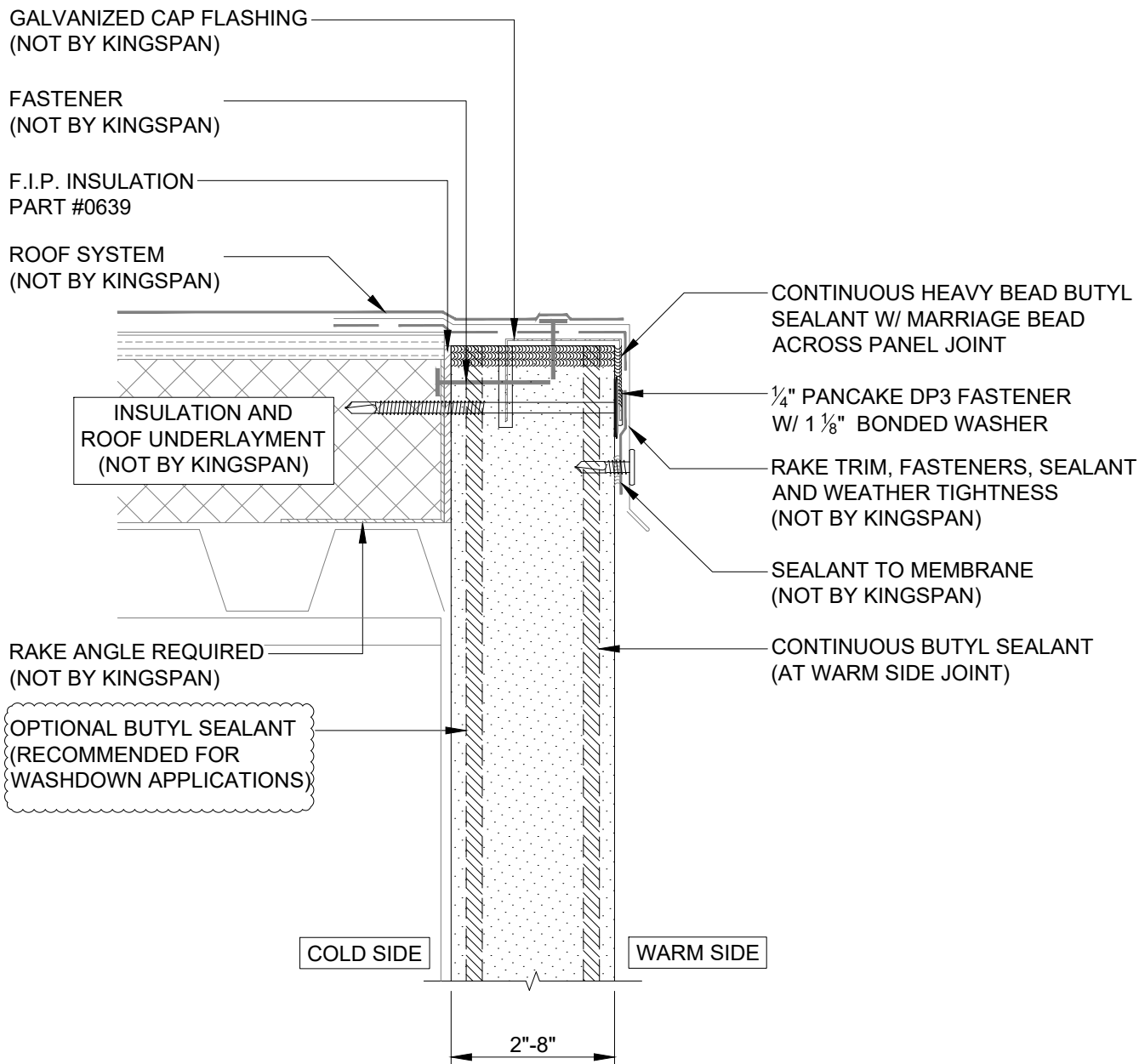
RELEASE: 2026

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



REVISION	
REVISION #	DATE
1	9/1/26

RAKE W/ MEMBRANE ROOF
(SMALL CAP)

DETAIL #: CS-RK-01-KSV

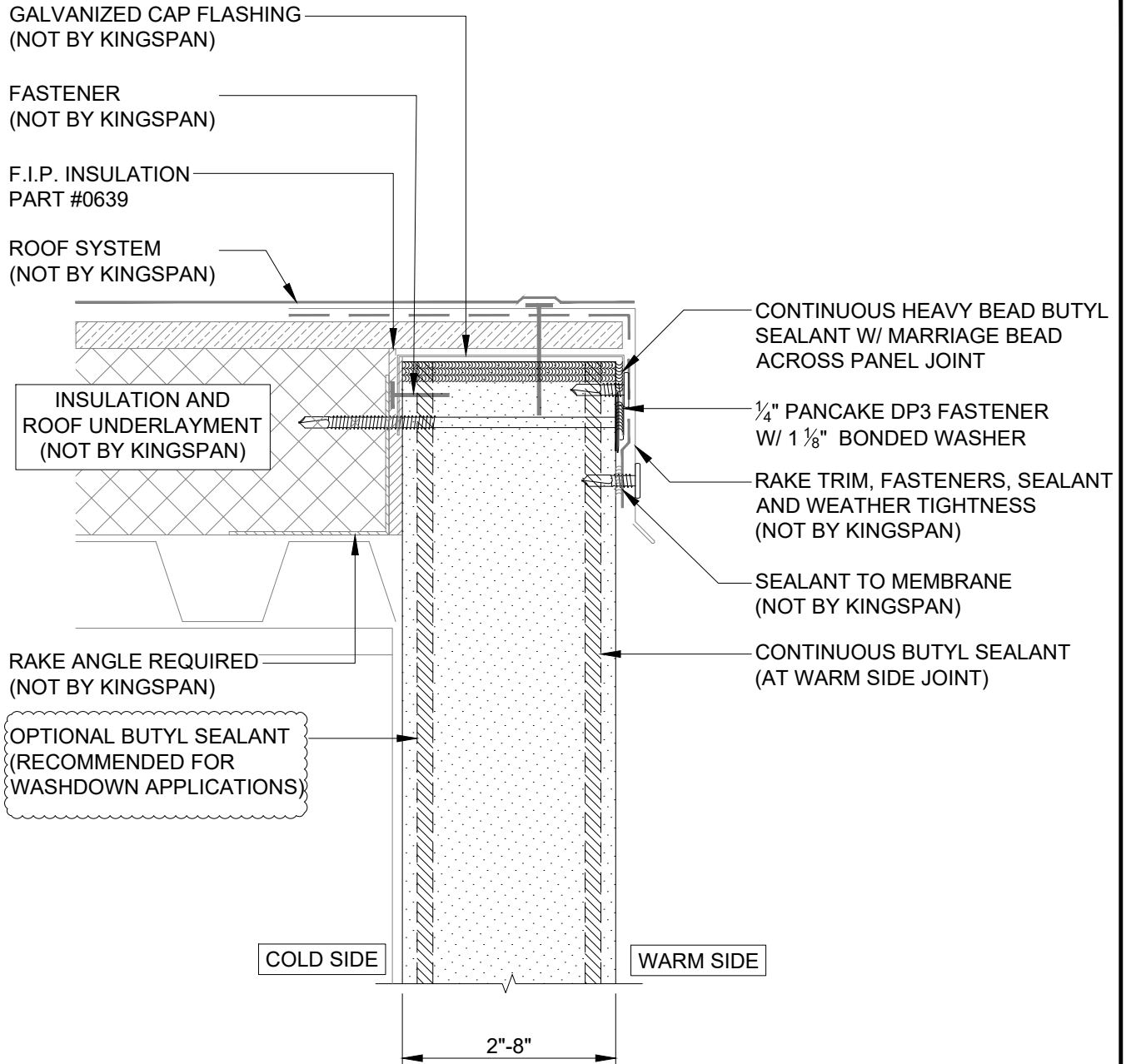
RELEASE: 2026

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
(LARGE CAP)

DETAIL #: CS-RK-02-KSV

RELEASE: 2026

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

F.I.P. INSULATION
PART #0639

GALVANIZED CAP FLASHING
(NOT BY KINGSPAN)

FASTENER
(NOT BY KINGSPAN)

ROOF SYSTEM
(NOT BY KINGSPAN)

EAVE STRUT
(NOT BY KINGSPAN)

INSULATION AND
ROOF UNDERLAYMENT
(NOT BY KINGSPAN)

OPTIONAL BUTYL SEALANT
(RECOMMENDED FOR
WASHDOWN APPLICATIONS)

COLD SIDE

WARM SIDE

2"-8"

CONTINUOUS HEAVY BEAD BUTYL
SEALANT W/ MARRIAGE BEAD
ACROSS PANEL JOINT

1/4" PANCAKE DP3 FASTENER
W/ 1 1/8" BONDED WASHER

RAKE TRIM, FASTENERS, SEALANT
AND WEATHER TIGHTNESS
(NOT BY KINGSPAN)

SEALANT TO MEMBRANE
(NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT
(AT WARM SIDE JOINT)

REVISION

REVISION #	DATE
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LOW EAVE

DETAIL #: CS-EV-01-KSV

RELEASE: 2026

REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

F.I.P. INSULATION
PART #0639

GALVANIZED CAP FLASHING
(NOT BY KINGSPAN)

FASTENER
(NOT BY KINGSPAN)

ROOF SYSTEM
(NOT BY KINGSPAN)

EAVE STRUT
(NOT BY KINGSPAN)

INSULATION AND
ROOF UNDERLAYMENT
(NOT BY KINGSPAN)

OPTIONAL BUTYL SEALANT
(RECOMMENDED FOR
WASHDOWN APPLICATIONS)

COLD SIDE

WARM SIDE

2"-8"

CONTINUOUS HEAVY BEAD BUTYL
SEALANT W/ MARRIAGE BEAD
ACROSS PANEL JOINT

1/4" PANCAKE DP3 FASTENER
W/ 1 1/8" BONDED WASHER

RAKE TRIM, FASTENERS, SEALANT
AND WEATHER TIGHTNESS
(NOT BY KINGSPAN)

SEALANT TO MEMBRANE
(NOT BY KINGSPAN)

CONTINUOUS BUTYL SEALANT
(AT WARM SIDE JOINT)

REVISION

REVISION #	DATE
1	9/1/26

HIGH EAVE

DETAIL #: CS-EV-02-KSV

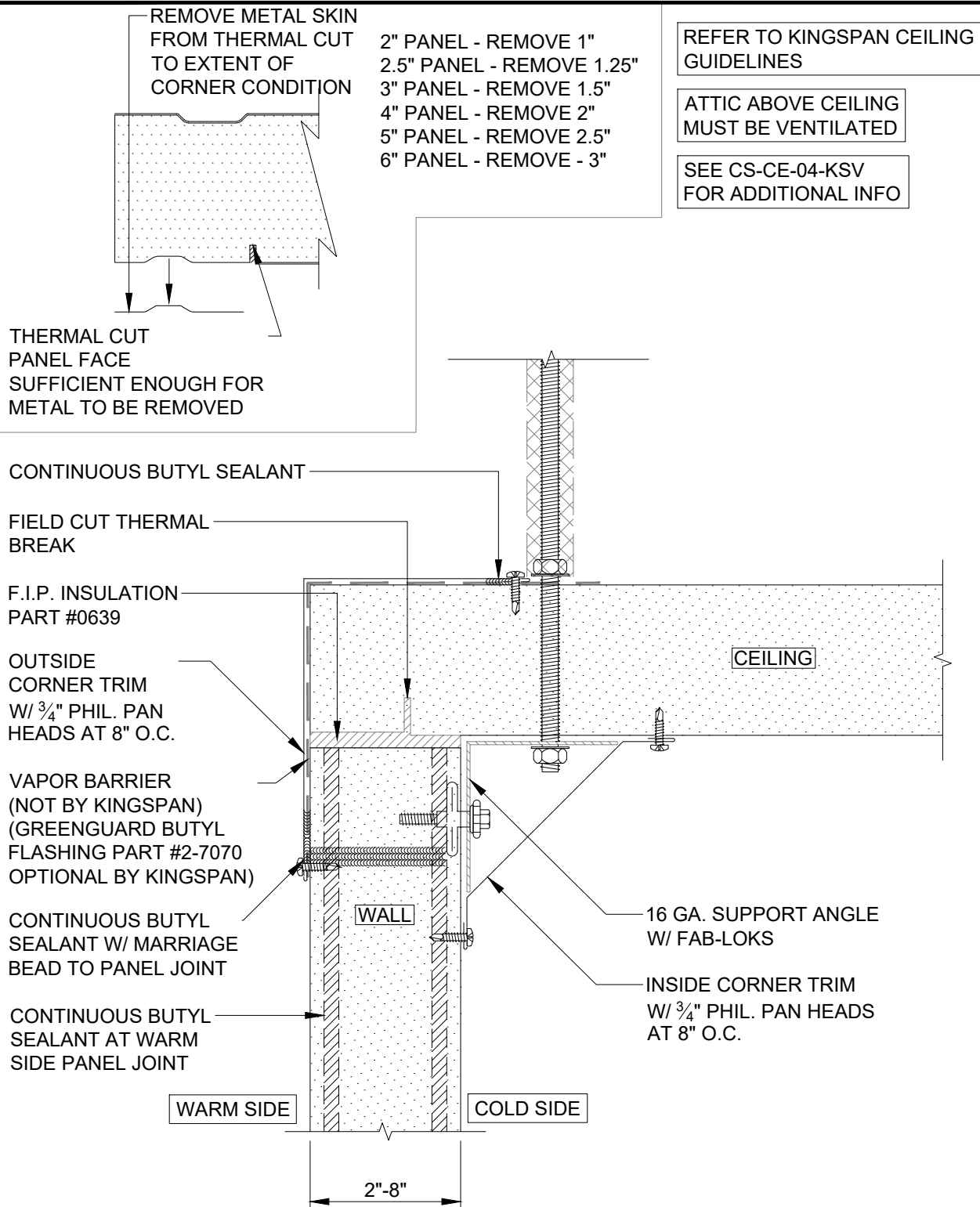
RELEASE: 2026

REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
1	9/1/26

INTERIOR WALL TO CEILING

DETAIL #: CS-CE-01-KSV

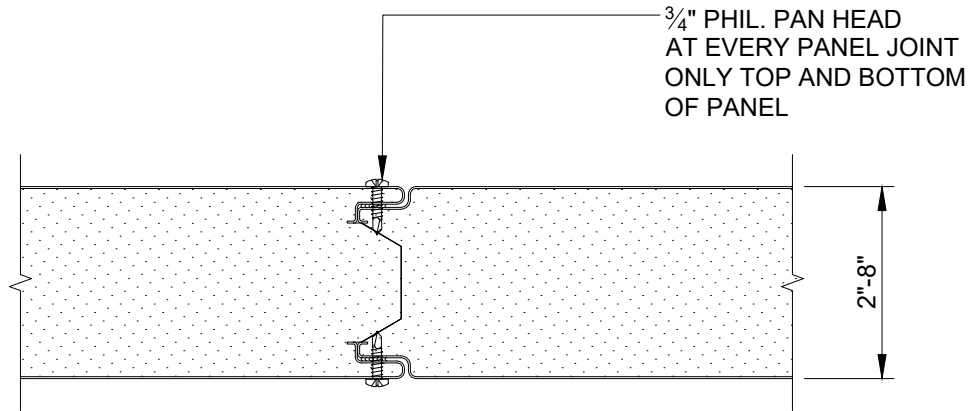
RELEASE: 2026

REGION: NORTH AMERICA

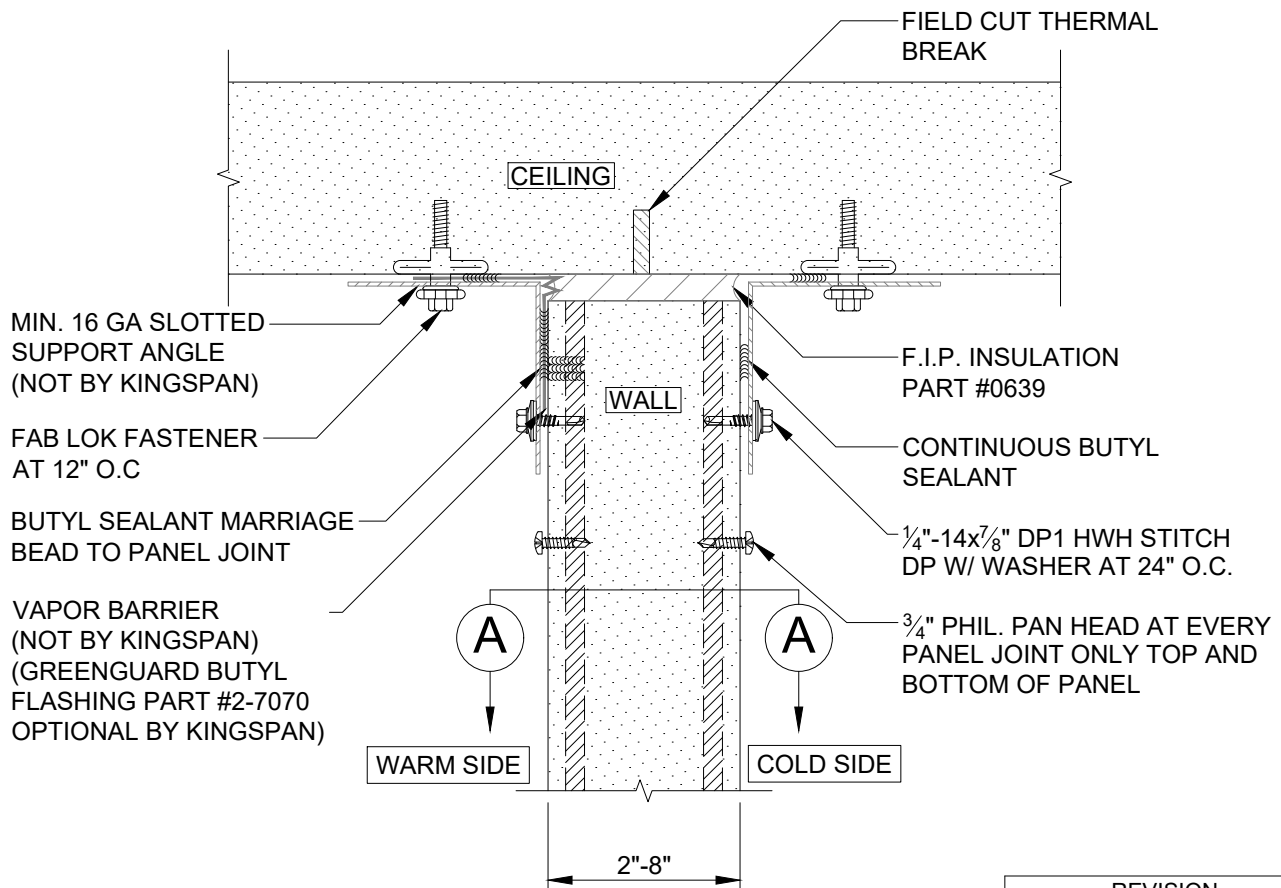
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AA CROSS SECTION (SECTION VIEW)



REVISION	
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INTERIOR PARTITION WALL TO
CEILING INTERSECTION

DETAIL #: CS-CE-02-KSV

RELEASE: 2026

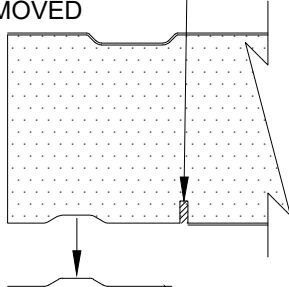
REGION: NORTH AMERICA

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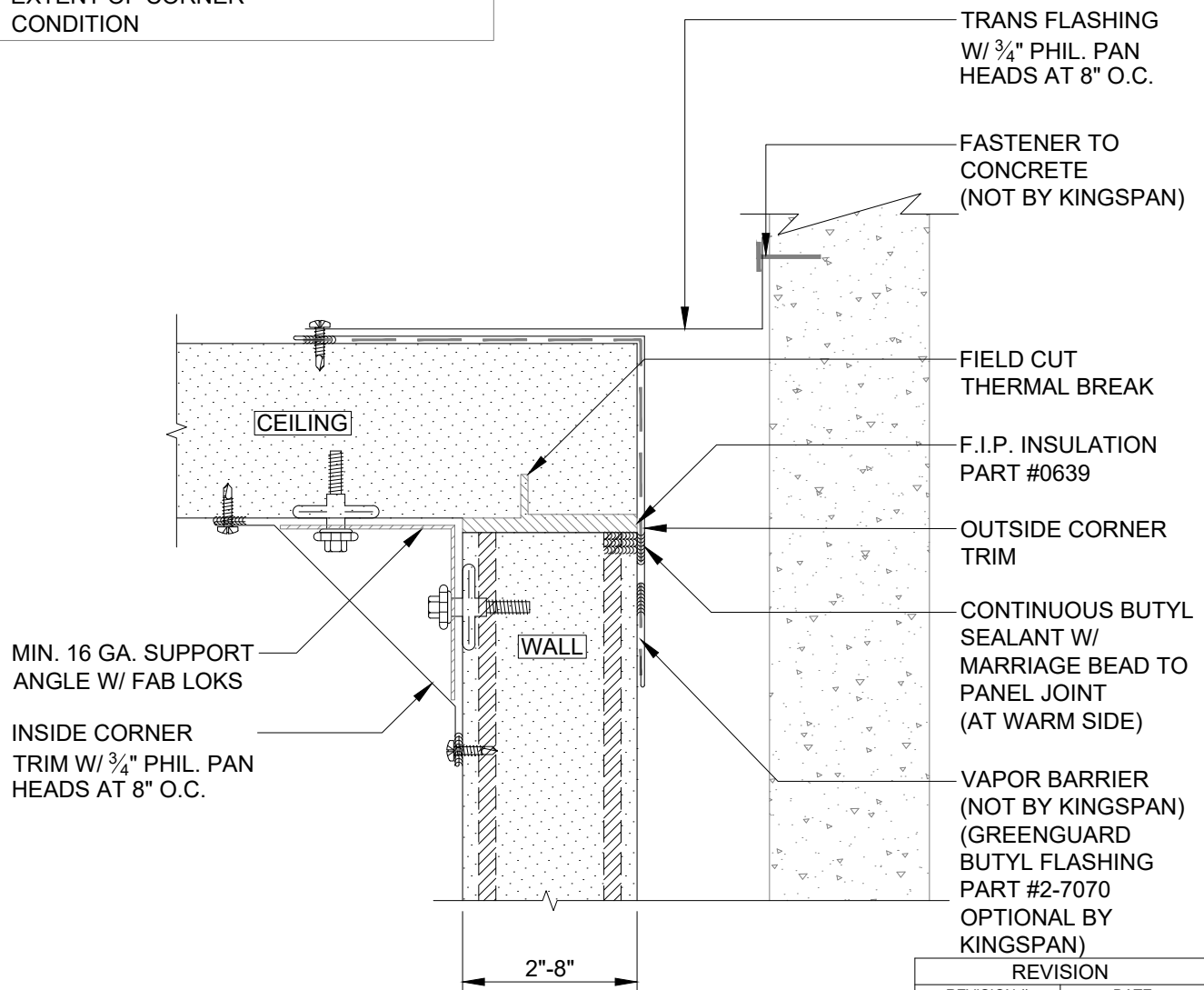
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THERMAL CUT PANEL
FACE SUFFICIENT
ENOUGH FOR METAL
TO BE REMOVED



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"



REVISION	
REVISION #	DATE
1	9/1/26

INTERIOR LINER WALL AT CMU TO
CEILING PANEL

DETAIL #: CS-CE-03-KSV

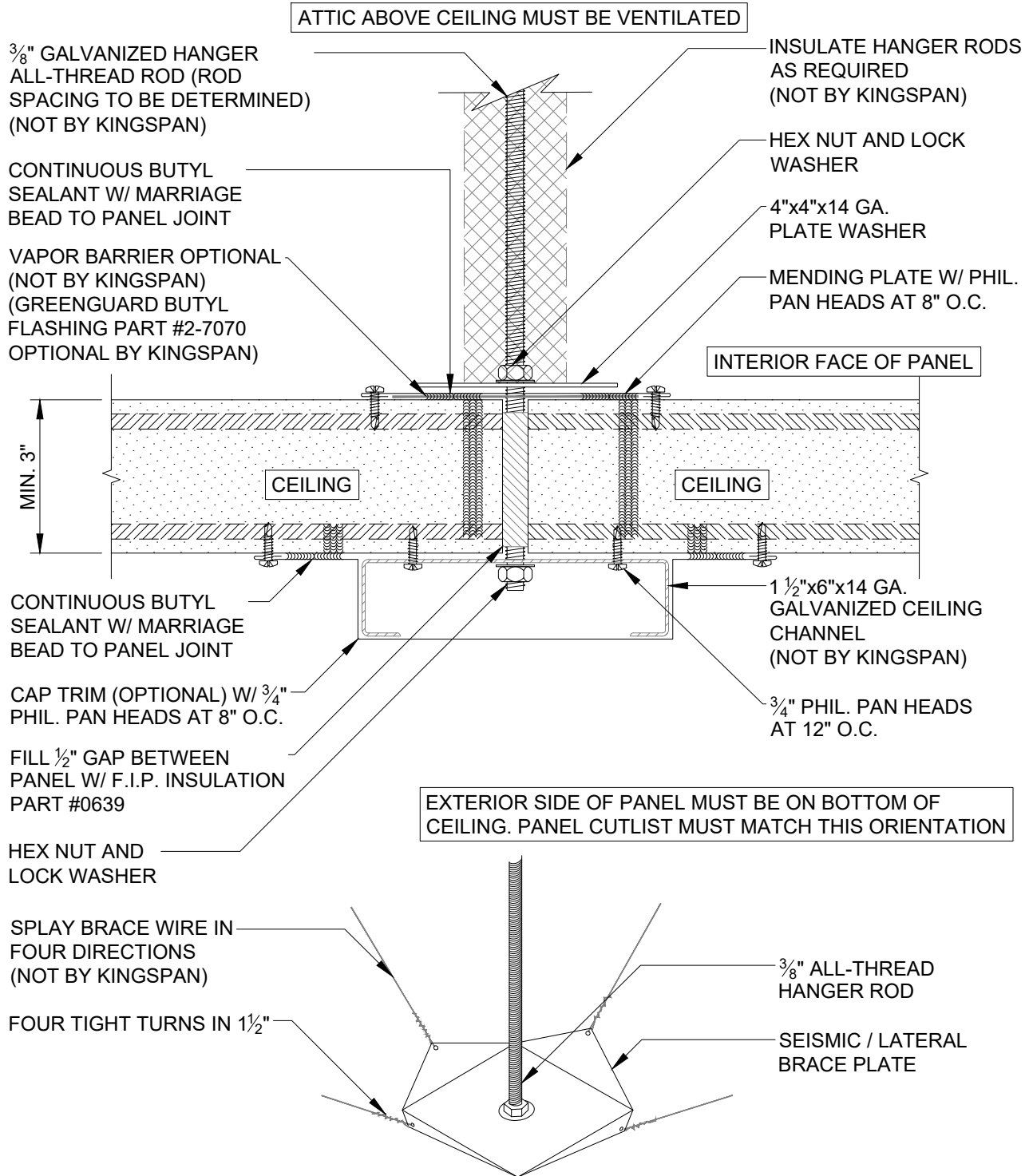
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REGION: NORTH AMERICA

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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

REVISION	
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CEILING CHANNEL

DETAIL #: CS-CE-04-KSV

RELEASE: 2026

REGION: NORTH AMERICA

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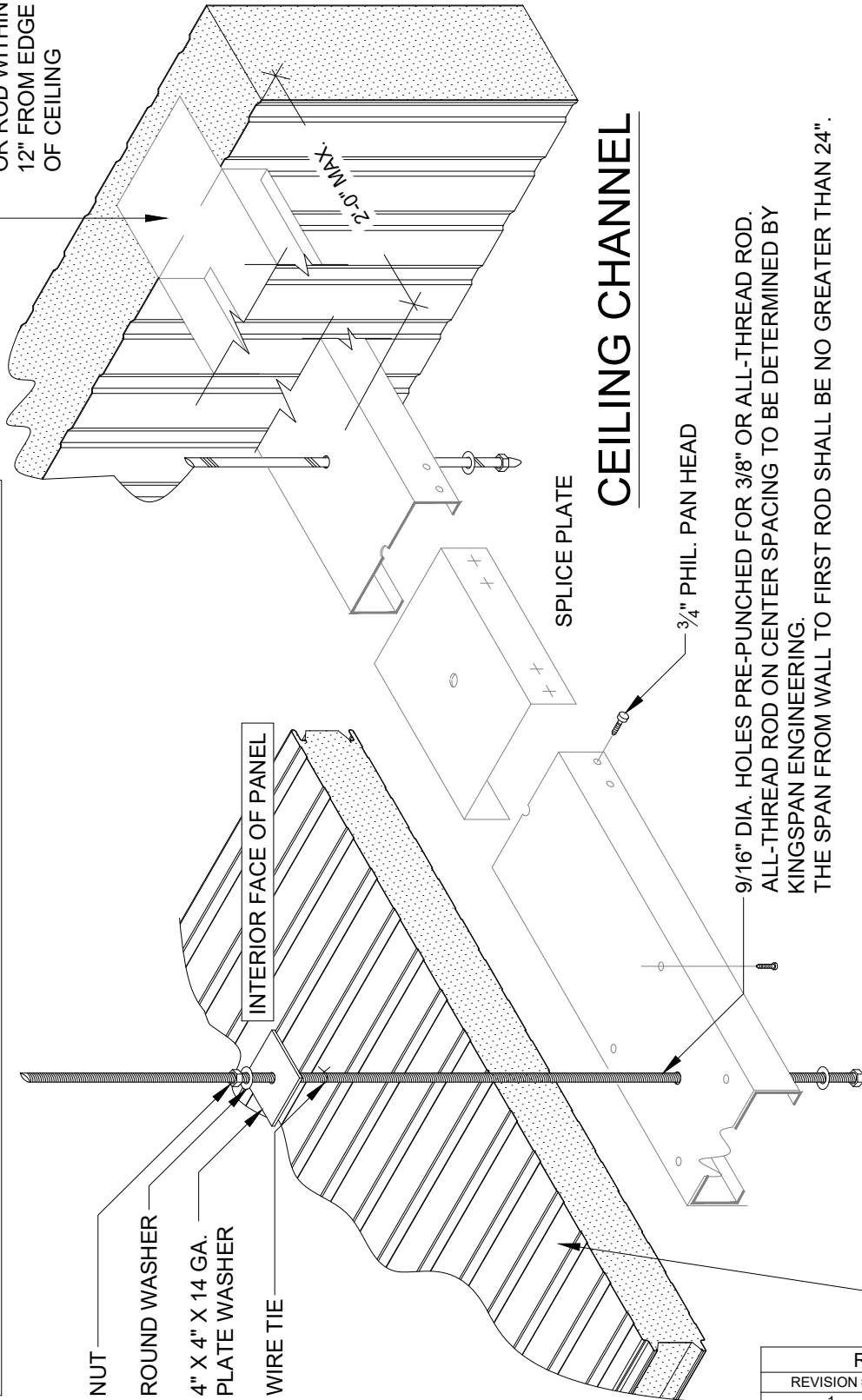


KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

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: 2026

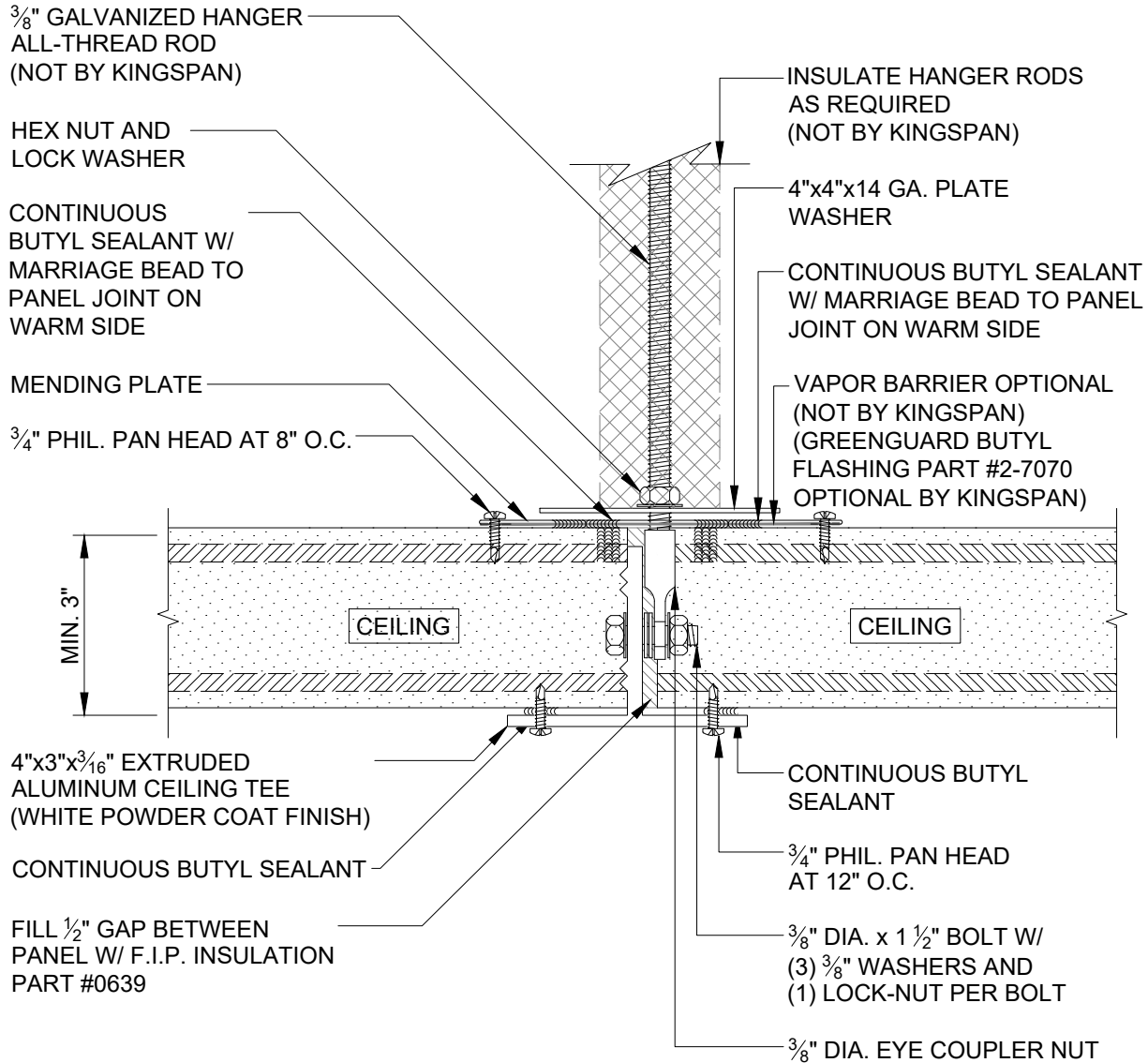
REGION: NORTH AMERICA

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ATTIC ABOVE CEILING MUST BE VENTILATED



NOTE: CONTACT TECHNICAL SERVICES FOR ROD SPACING REQUIREMENTS

REVISION	
REVISION #	DATE
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CEILING TEE

DETAIL #: CS-CE-06-KSV

RELEASE: 2026

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.

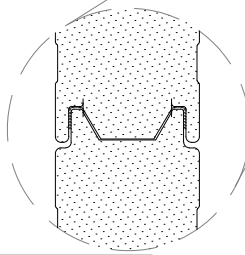
PROJECT ENGINEER OF RECORD MUST VERIFY ROOF IS CAPABLE OF SUPPORTING CEILING SYSTEM LOADS AS WELL AS PROPER CEILING TO ROOF CONNECTION DETAILS

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®

CEILING TEE

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
1	9/1/26

CEILING TEE ASSEMBLY

DETAIL #: CS-CE-07-KSV

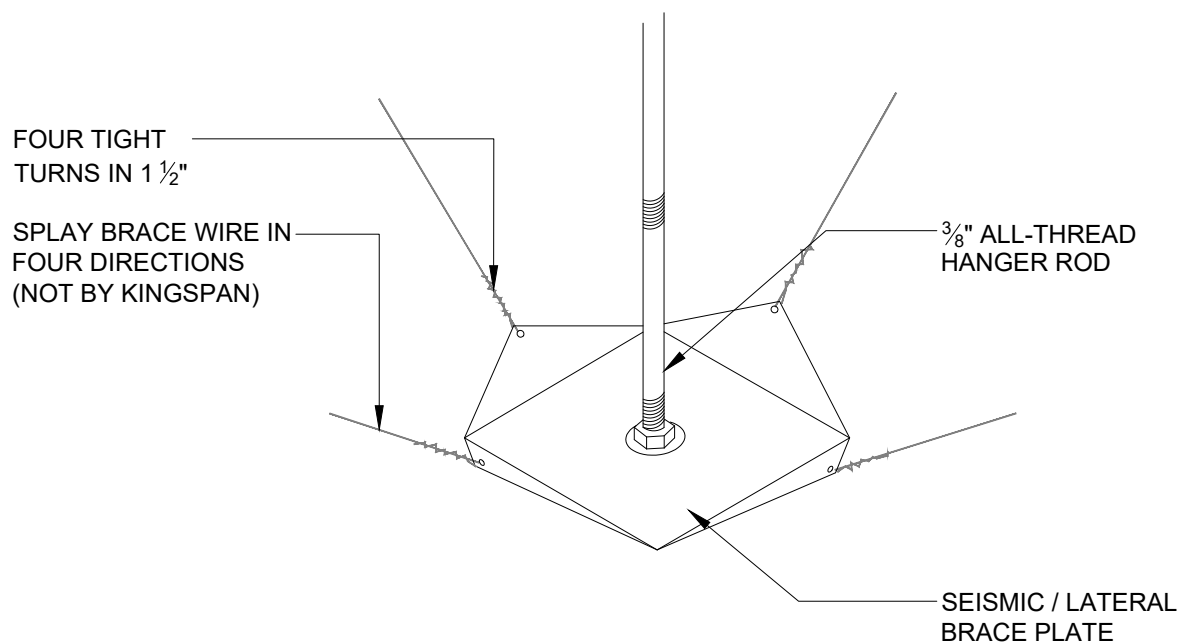
RELEASE: 2026

REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
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SEISMIC / LATERAL BRACE PLATE

DETAIL #: CS-CE-08-KSV

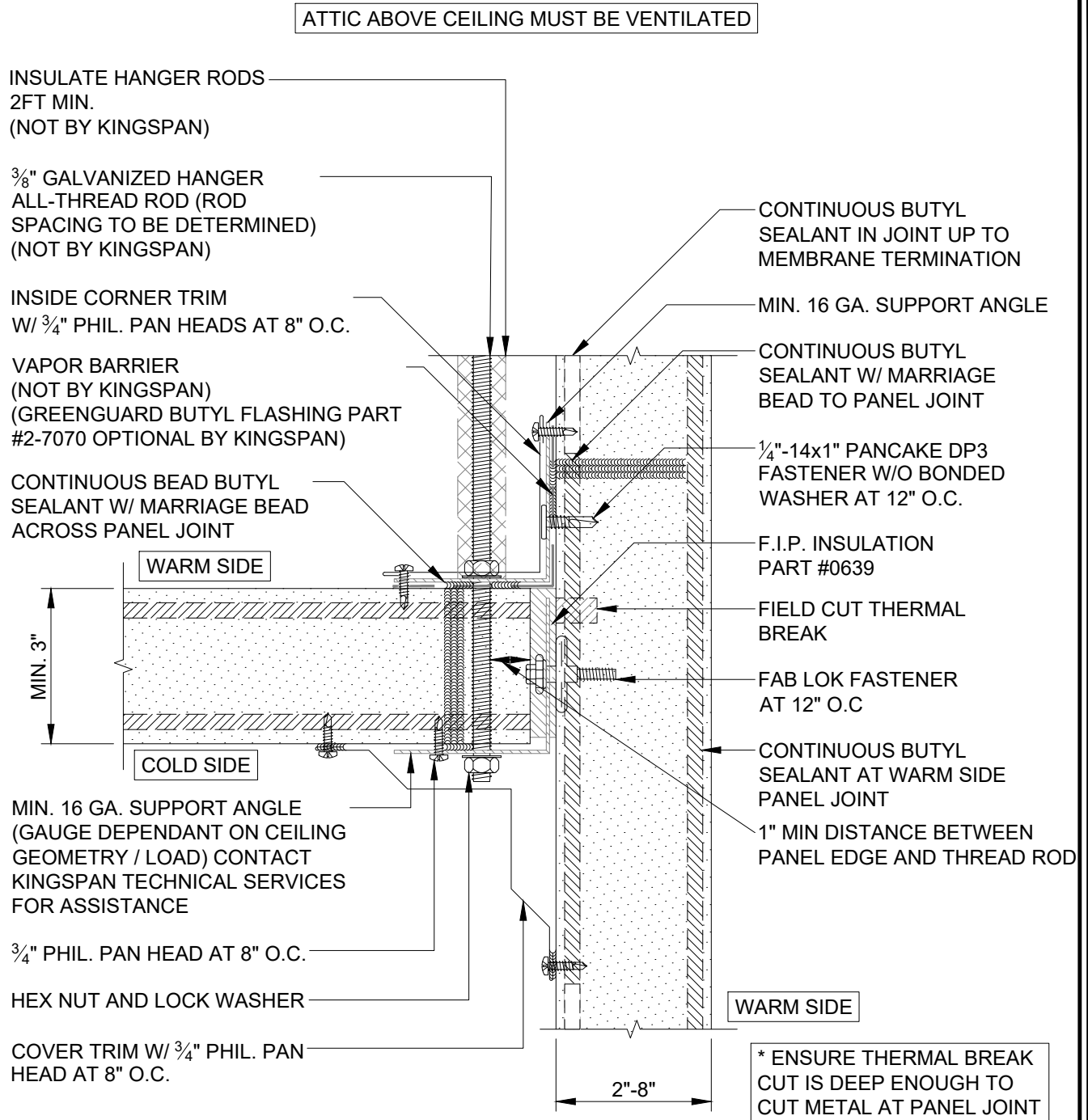
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REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



NOTE: CONTACT KINGSPAN TECHNICAL SERVICES FOR ENGINEERING ASSISTANCE

REVISION	
REVISION #	DATE
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INTERIOR CEILING TO WALL
TRANSVERSE

DETAIL #: CS-CE-09-KSV

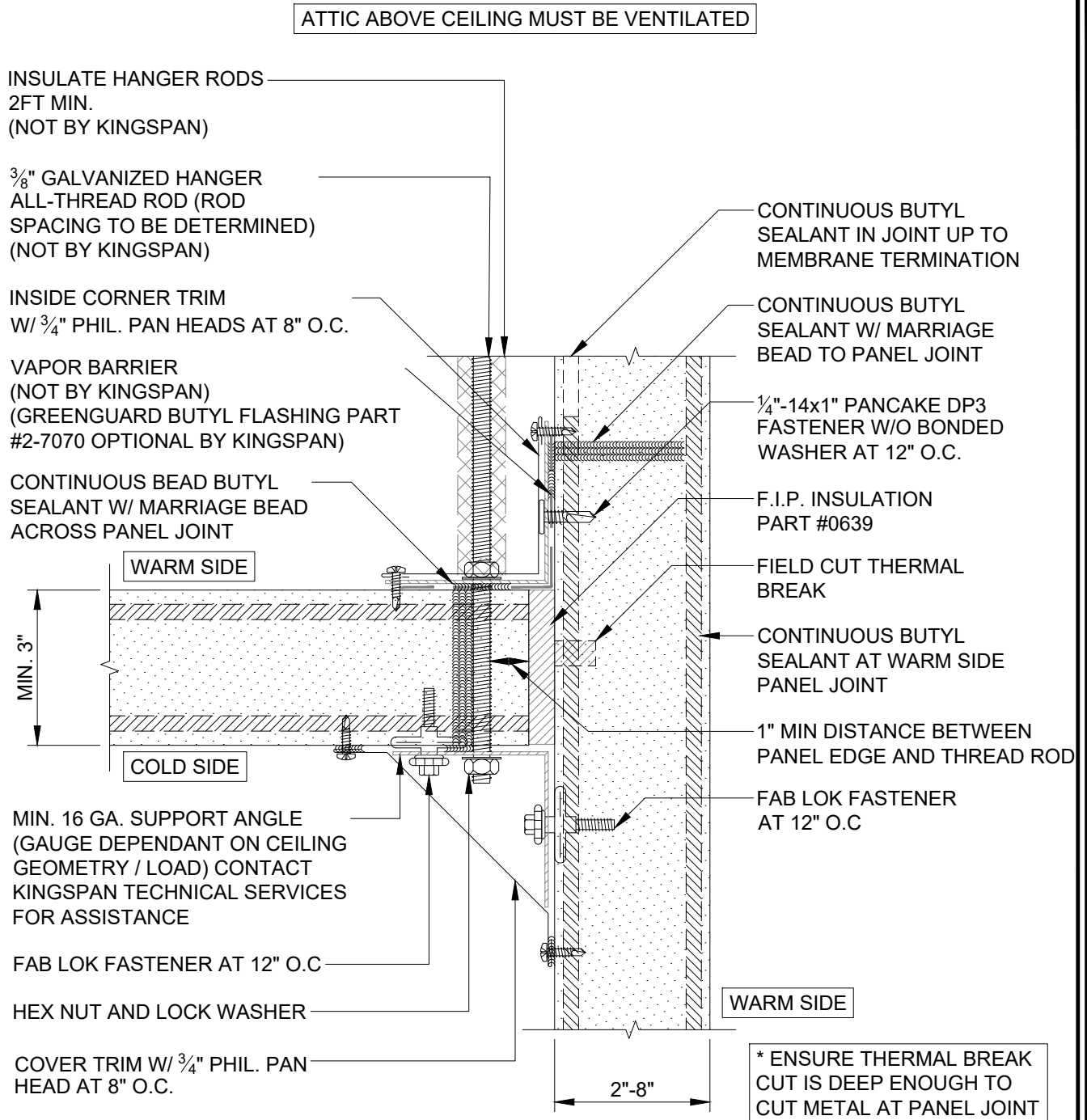
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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION



NOTE: CONTACT KINGSPAN TECHNICAL SERVICES FOR ENGINEERING ASSISTANCE

REVISION	
REVISION #	DATE
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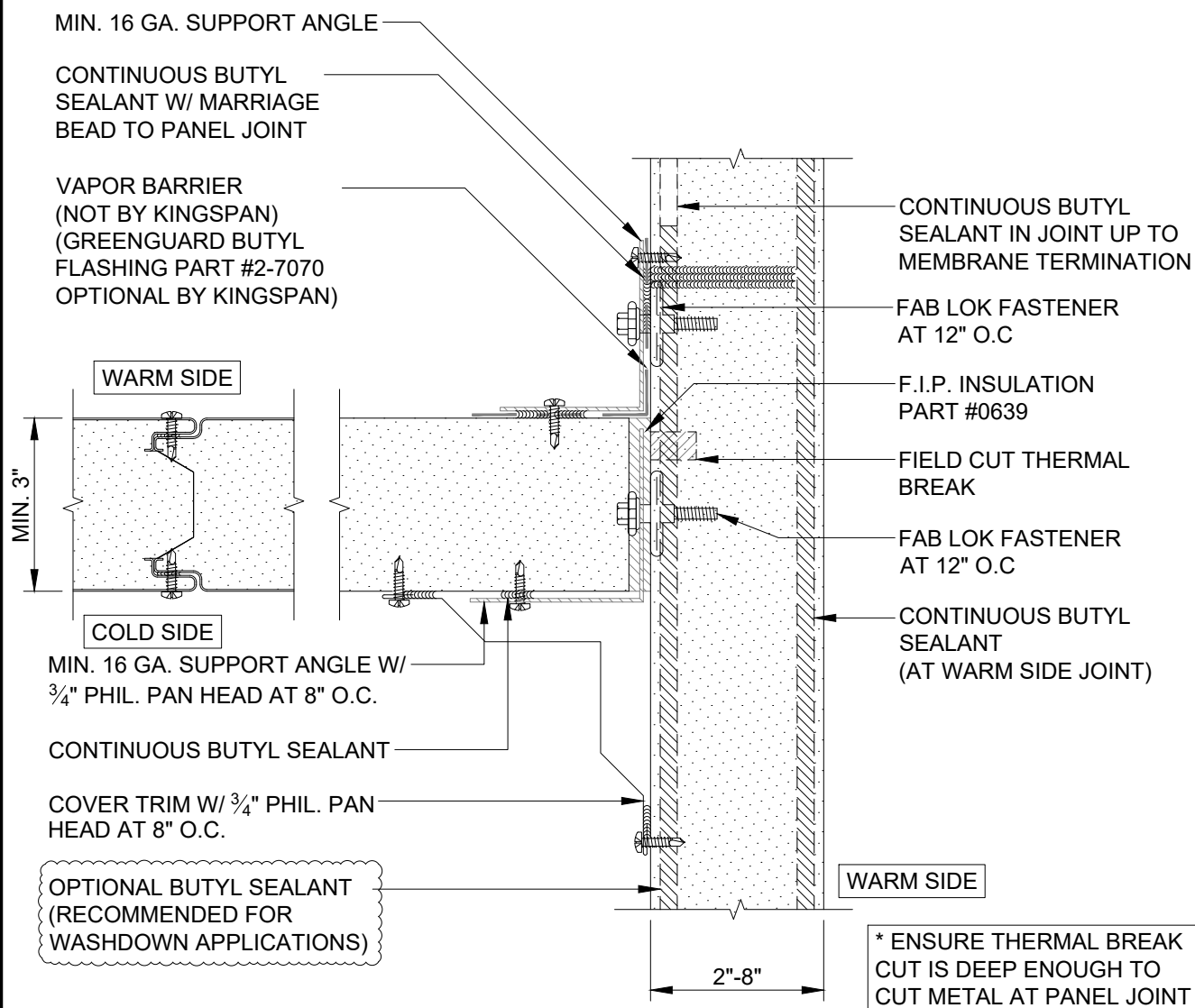
INTERIOR CEILING TO WALL
TRANSVERSE
OPTIONAL ANGLE ORIENTATION

DETAIL #: CS-CE-10-KSV
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REGION: NORTH AMERICA
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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

REVISION	
REVISION #	DATE
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INTERIOR CEILING TO WALL
LONGITUDINAL

DETAIL #: CS-CE-11-KSV

RELEASE: 2026

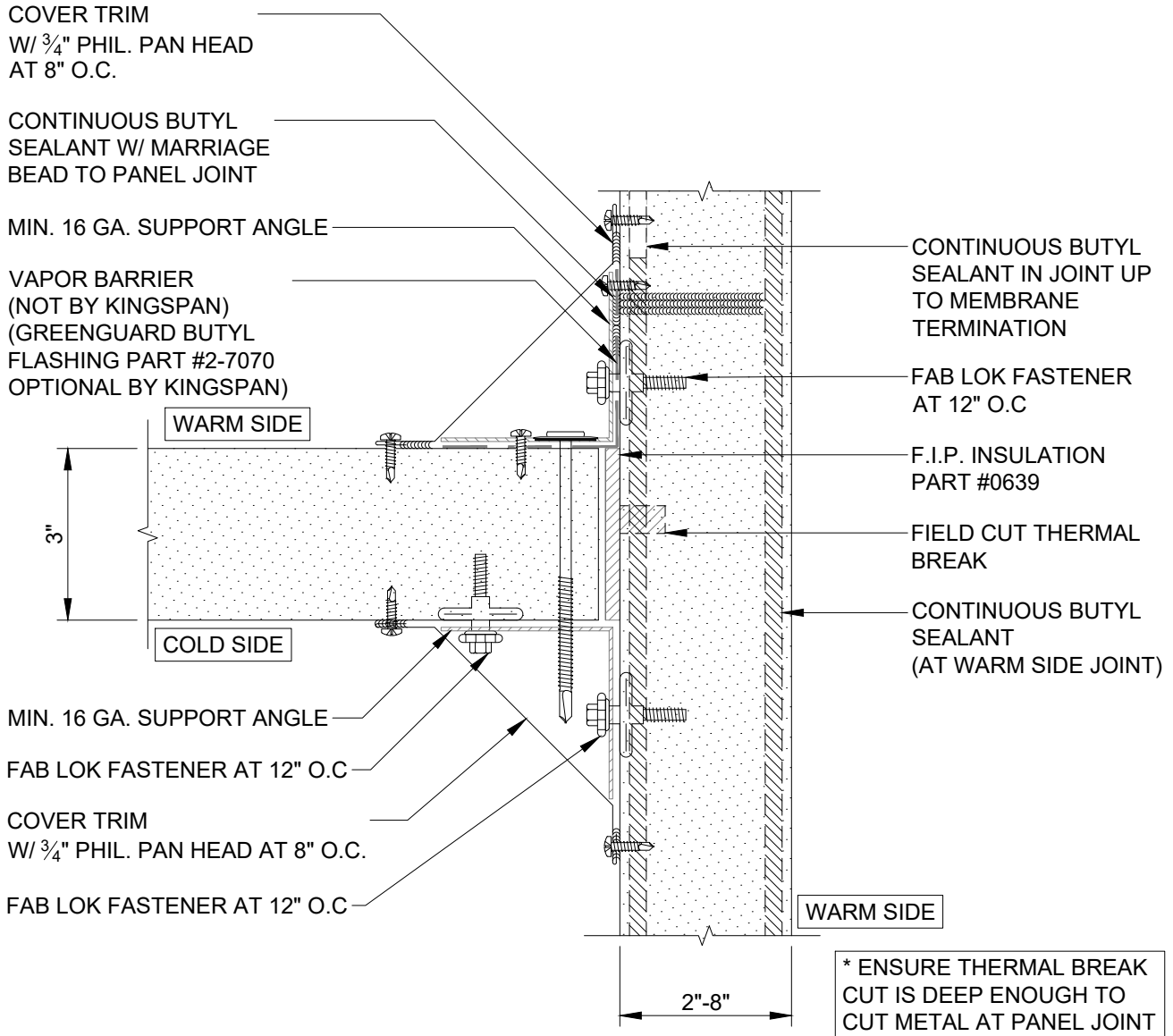
REGION: NORTH AMERICA

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KS INTERIOR SERIES - CONTROLLED ENVIRONMENT - VERTICAL INSTALLATION

ATTIC ABOVE CEILING MUST BE VENTILATED



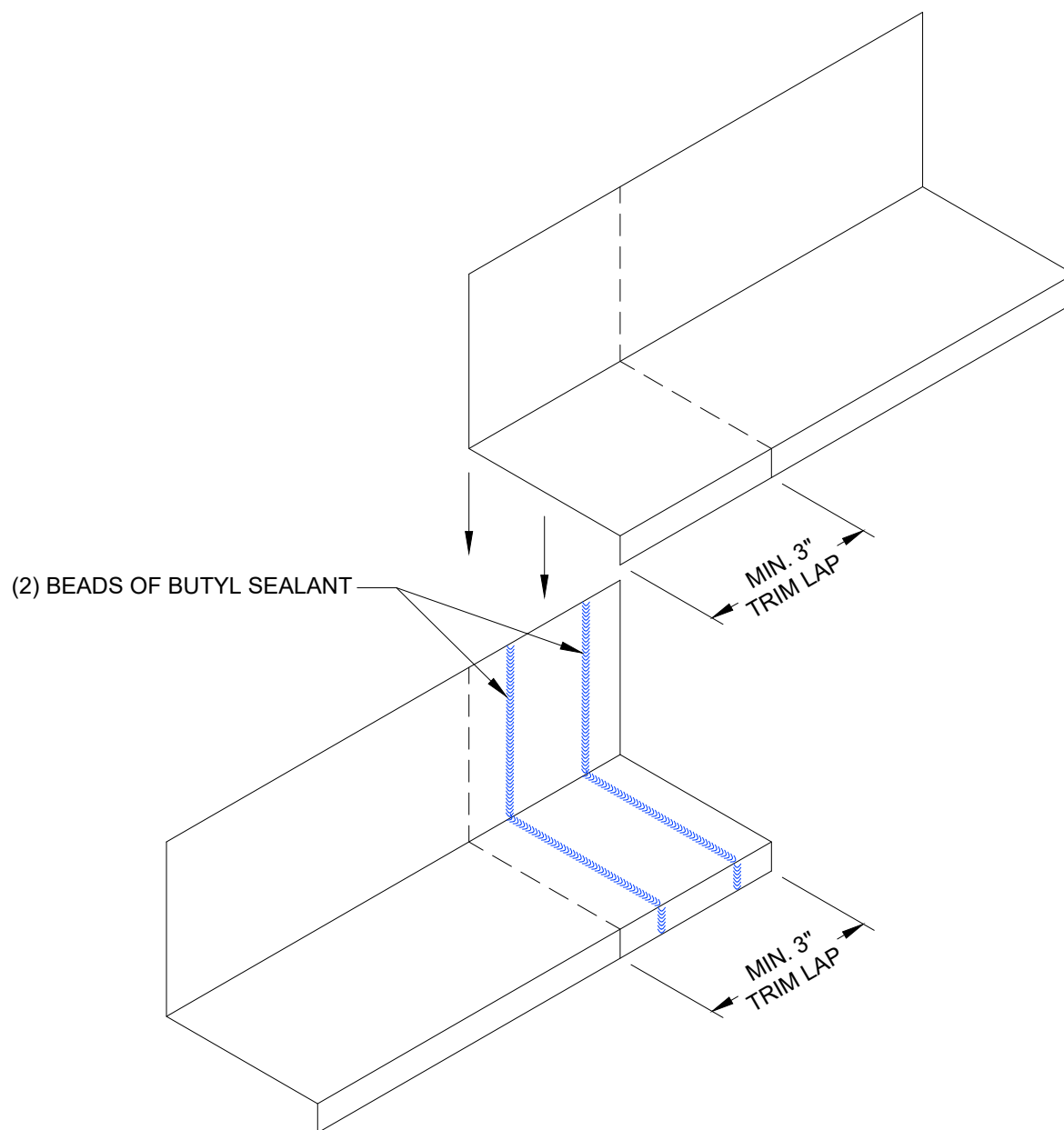
REVISION	
REVISION #	DATE
1	9/1/26

INTERIOR CEILING TO WALL
LONGITUDINAL
OPTIONAL ANGLE ORIENTATION

DETAIL #: CS-CE-12-KSV
RELEASE: 2026
REGION: NORTH AMERICA
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REVISION	
REVISION #	DATE
1	9/1/26

TRIM END LAP

DETAIL #: CS-TL-01-KSV

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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
1	9/1/26

TRIM LAP WITH HEM

DETAIL #: CS-TL-02-KSV

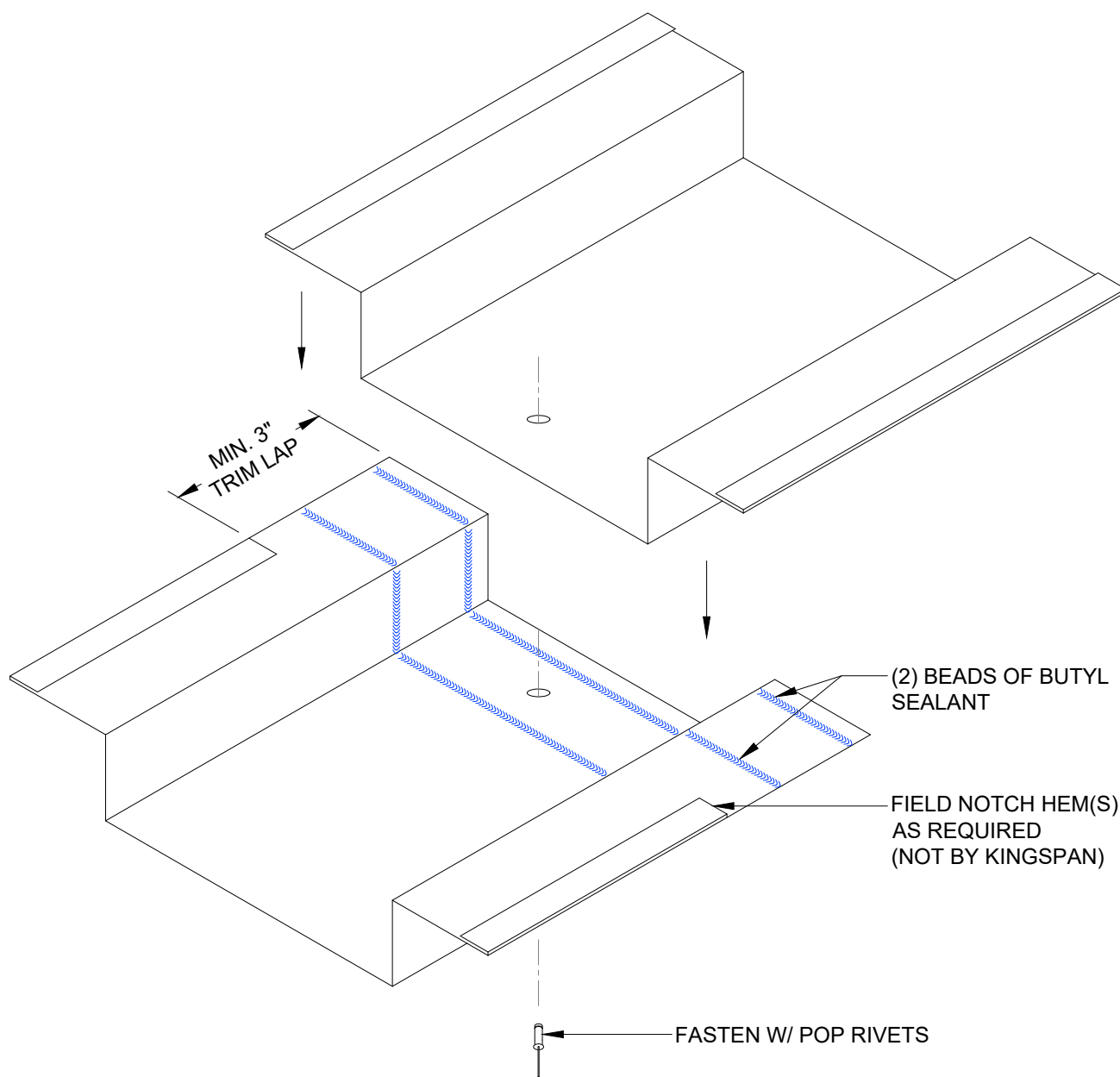
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REVISION	
REVISION #	DATE
1	9/1/26

TRIM LAP WITH HEM
CEILING CAP TRIM

DETAIL #: CS-TL-03-KSV

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REGION: NORTH AMERICA

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