

QUADCORE B VALE - HORIZONTAL PANEL

REVISION

0	5/18/23
1	5/30/24
2	6/16/25

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

LOCATION OF VAPOR BARRIERS AND ASSOCIATED SEALANTS IN THESE DETAILS ARE BASED ON TYPICAL DESIGN PRACTICES FOR MOST U.S. CLIMACTIC ZONES. (THE PRIMARY VAPOR BARRIER IS PLACED ON THE "WARM" SIDE IN WINTER).

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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COMMERCIAL/
INDUSTRIAL
DISCLAIMER

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QUADCORE B VALE - HORIZONTAL PANEL

CORE TYPE:
QUADCORE B

MODULE WIDTH:
36"

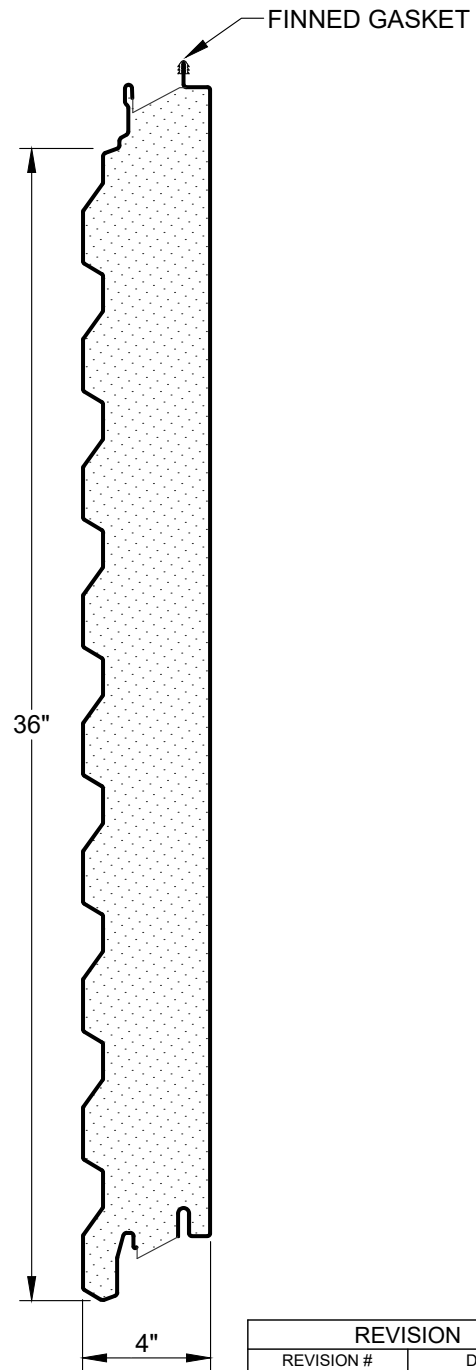
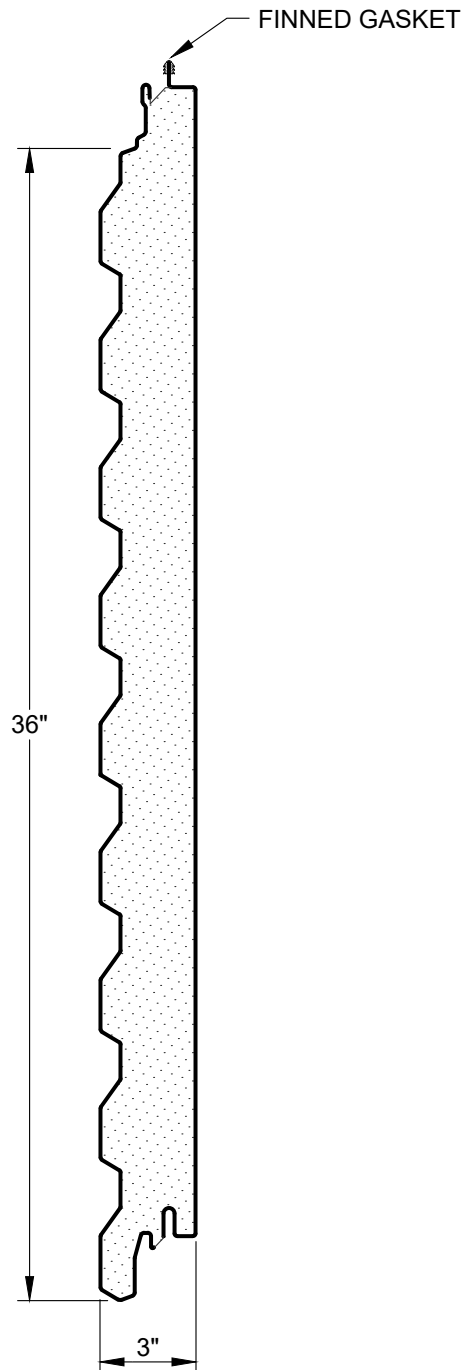
EMBOSSING:
EXTERIOR: SMOOTH / EMBOSSED
INTERIOR: SMOOTH

CORE DEPTHS:
3", 4"

PANEL ORIENTATION:
HORIZONTAL

LENGTHS:
MINIMUM: 2'-0"
MAXIMUM: 24'-0"

STEEL GAUGES:
EXTERIOR: 22
INTERIOR: 24



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PANEL PROFILES -
HORIZONTAL

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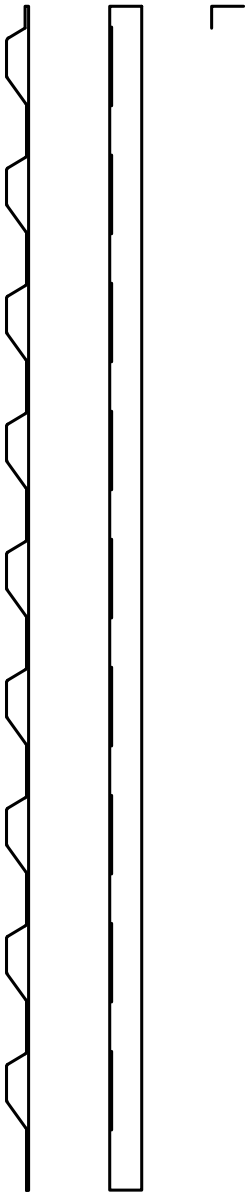


QUADCORE B VALE - HORIZONTAL PANEL

RIB CLOSURES

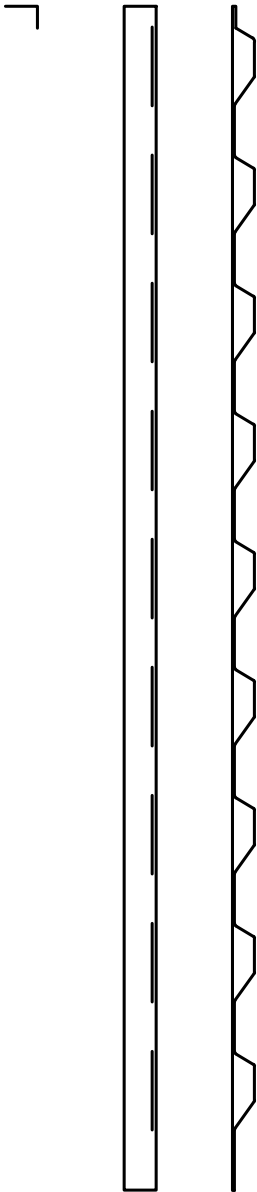
LEFT

SIDE VIEW TOP VIEW SECTION VIEW



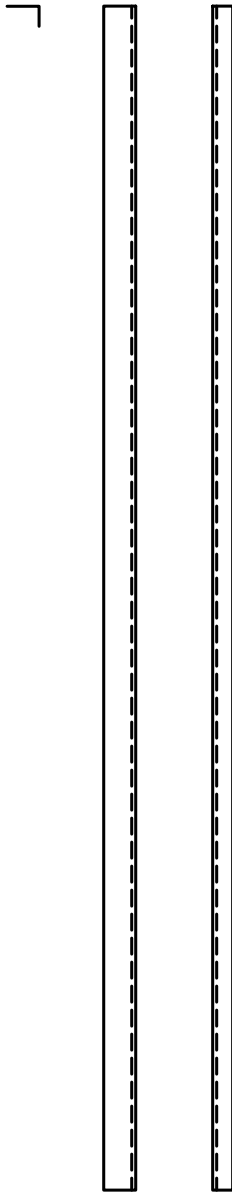
RIGHT

SECTION VIEW TOP VIEW SIDE VIEW



METAL CLOSURE

SECTION VIEW TOP VIEW SIDE VIEW



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METAL RIB CLOSURES

DETAIL #: CI-PP-02-VH

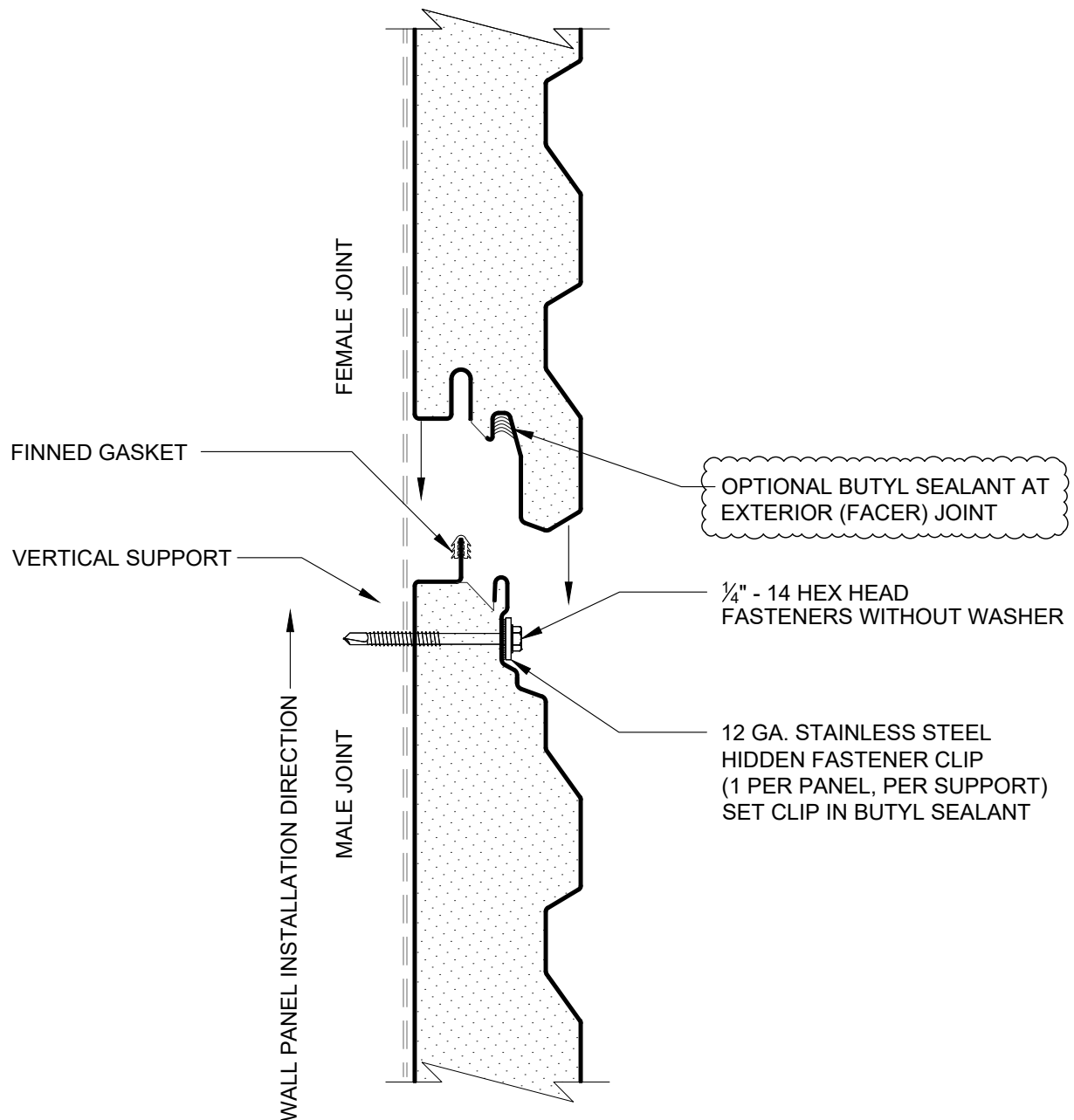
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PANEL JOINT- EXPANDED

DETAIL #: CI-PJ-01-VH

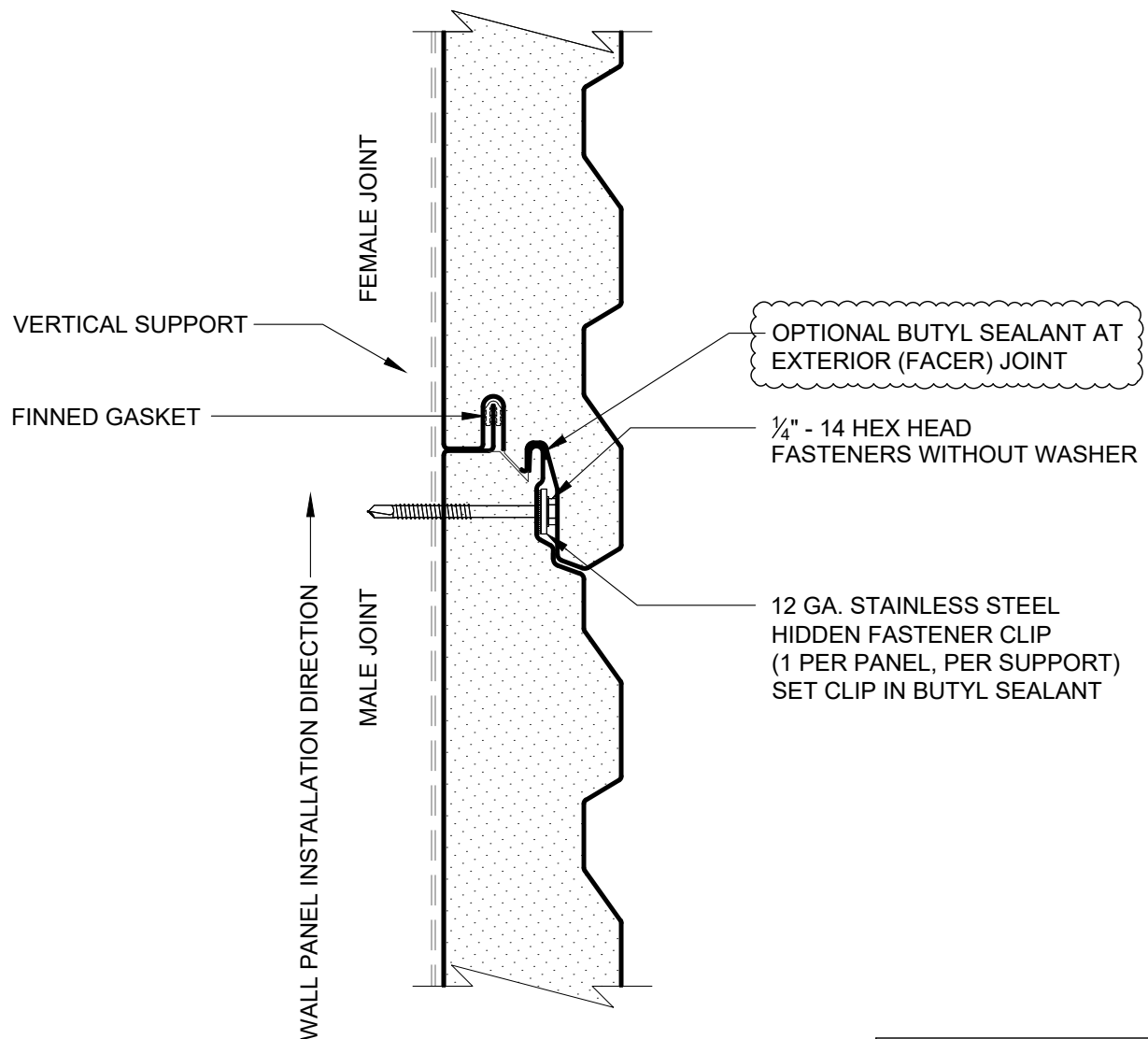
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PANEL JOINT- ENGAGED

DETAIL #: CI-PJ-02-VH

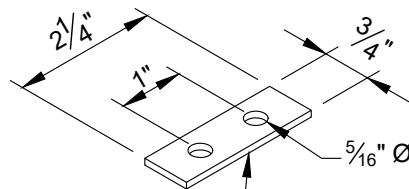
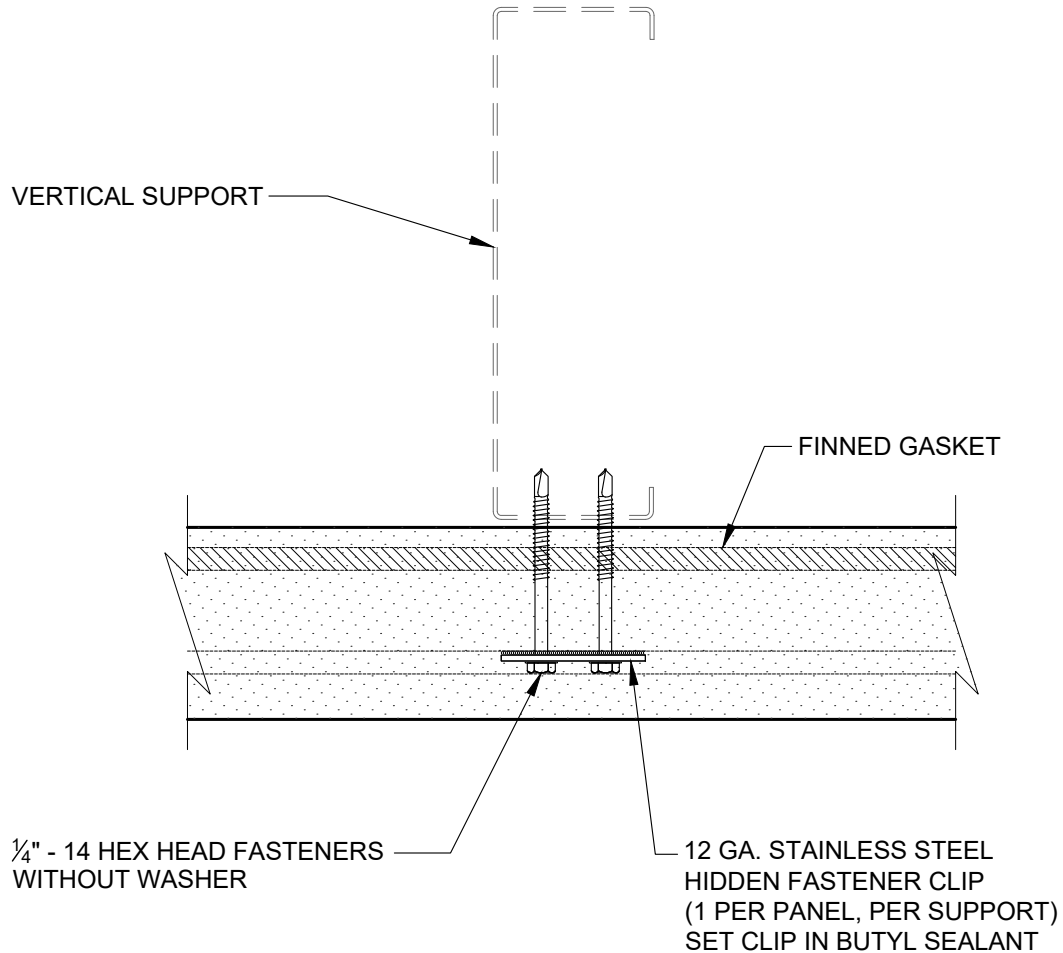
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PANEL JOINT-
INTERMEDIATE
FASTENING

DETAIL #: CI-PJ-05-VH

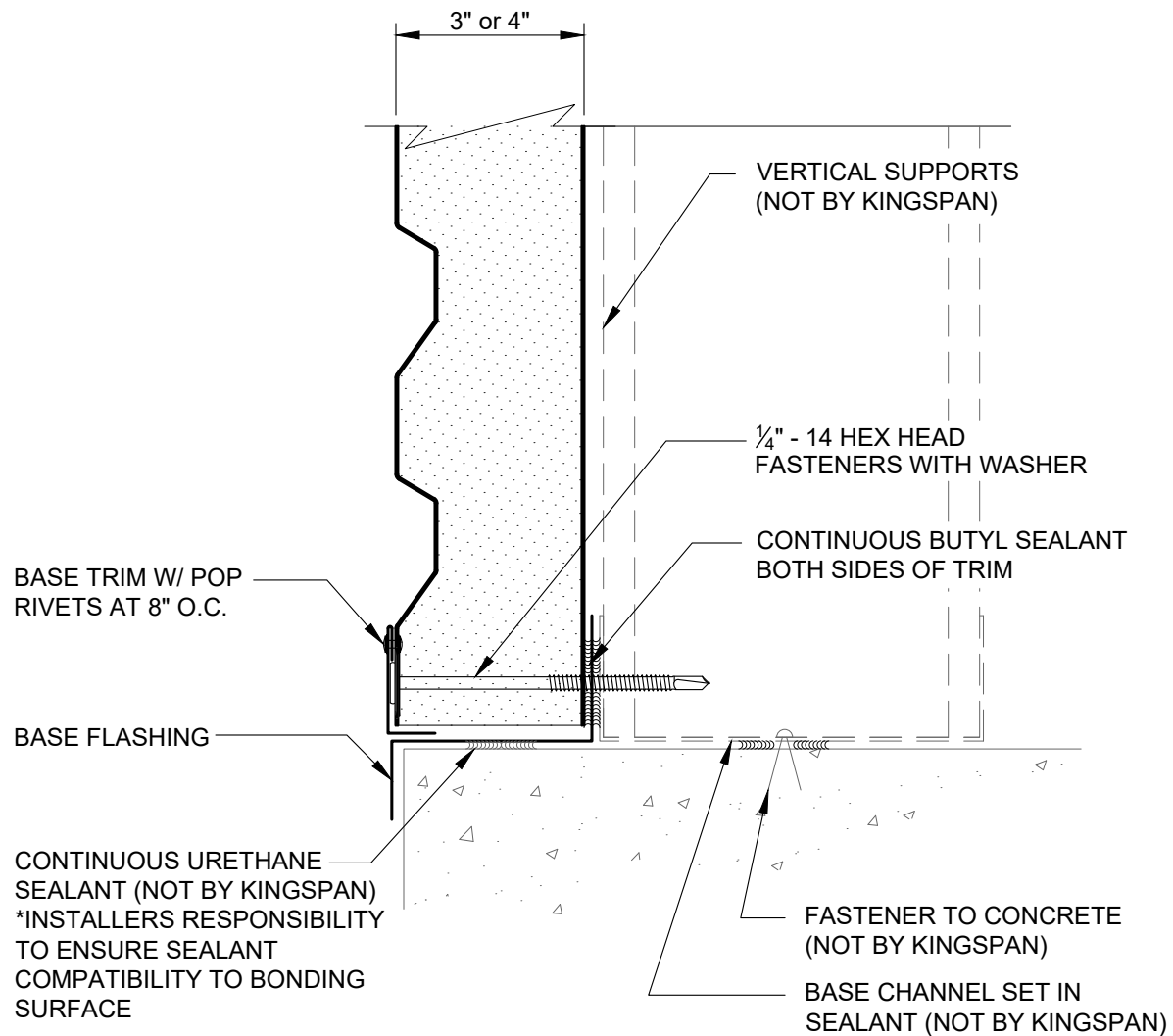
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FLUSH BASE DETAIL- W/
TRIM

DETAIL #: CI-BS-01-VH

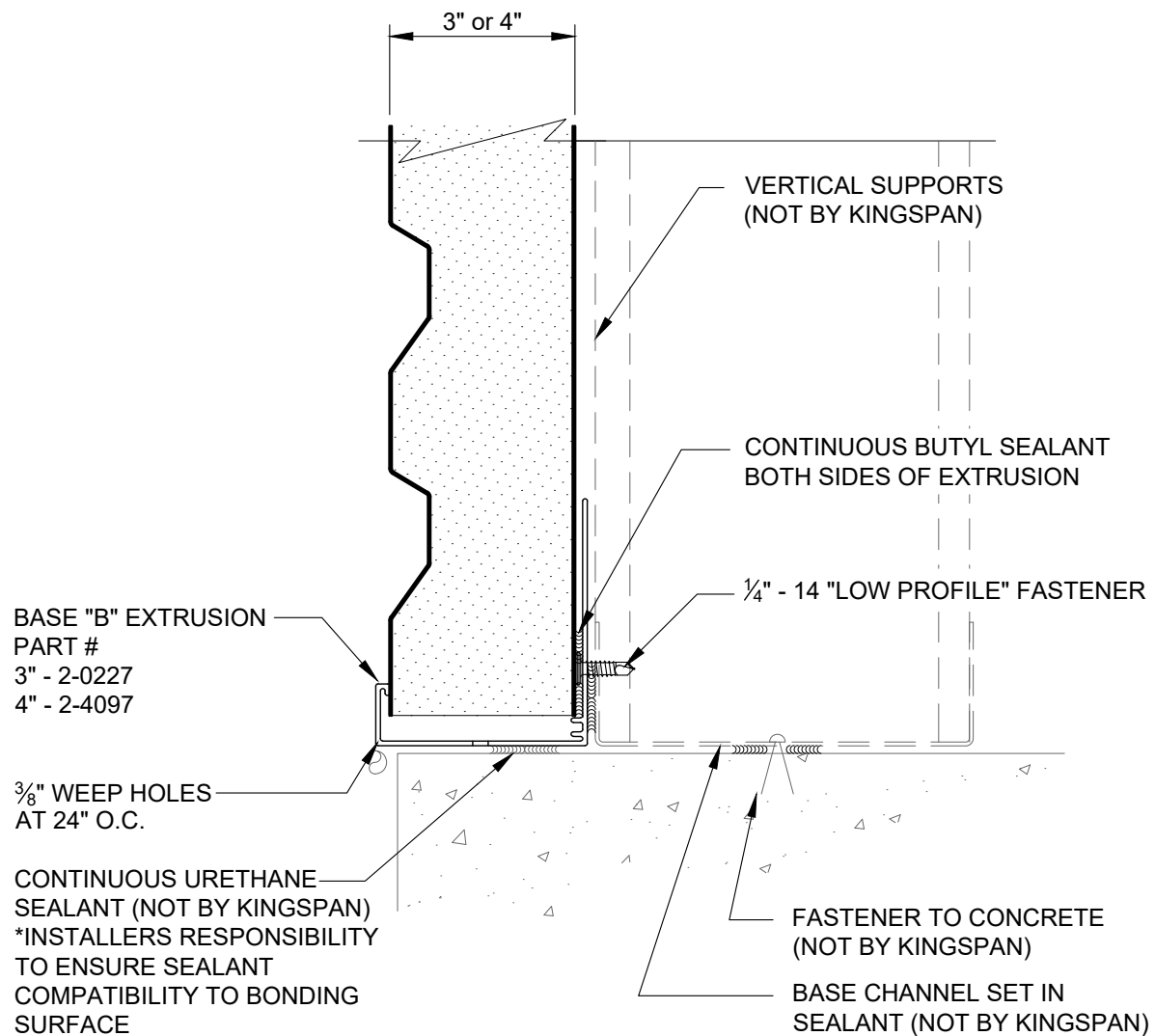
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FLUSH BASE DETAIL- W/ EXTRUSION

DETAIL #: CI-BS-02-VH

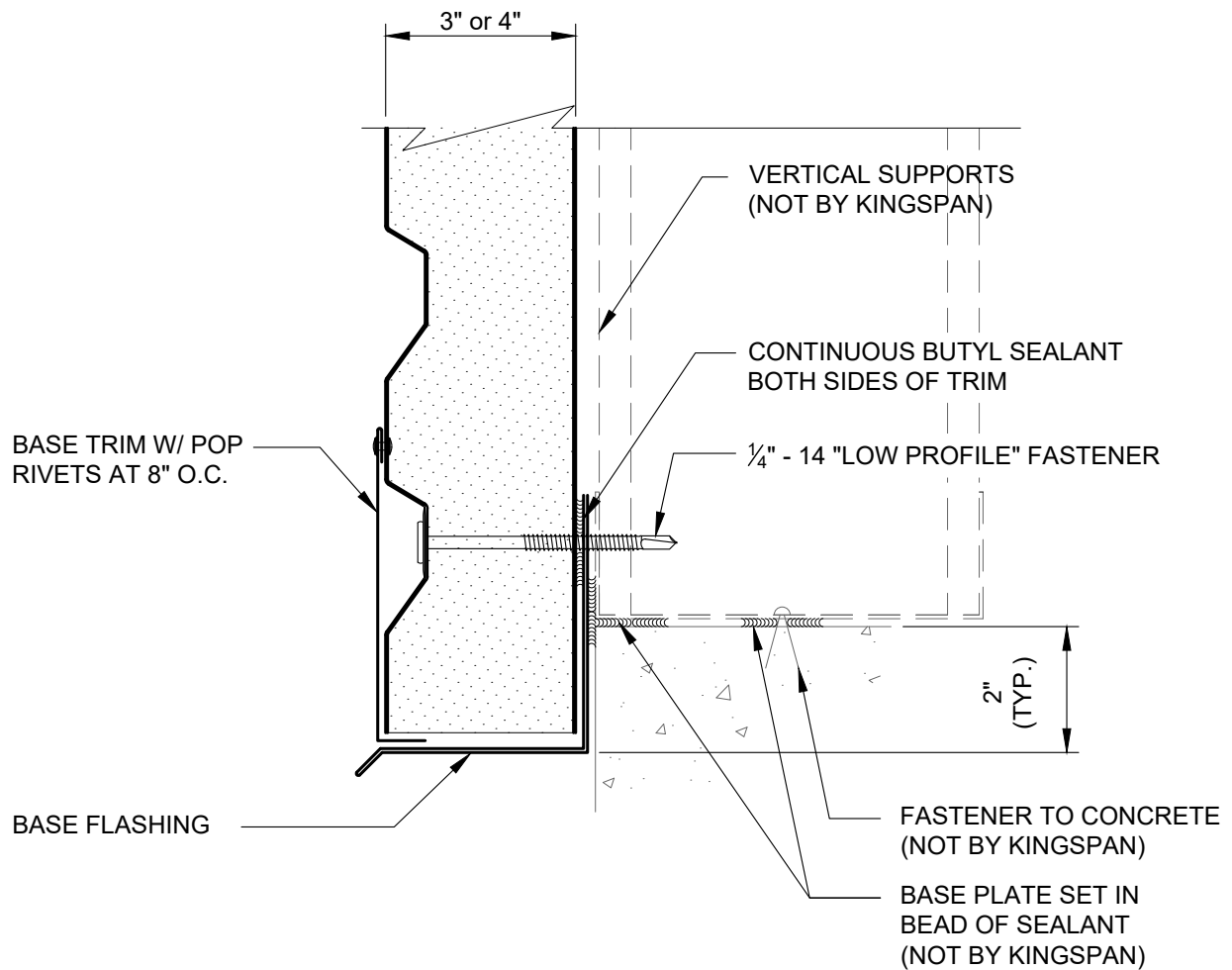
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OVERHANG BASE DETAIL-
CUT PANEL WITH TRIM

DETAIL #: CI-BS-03-VH

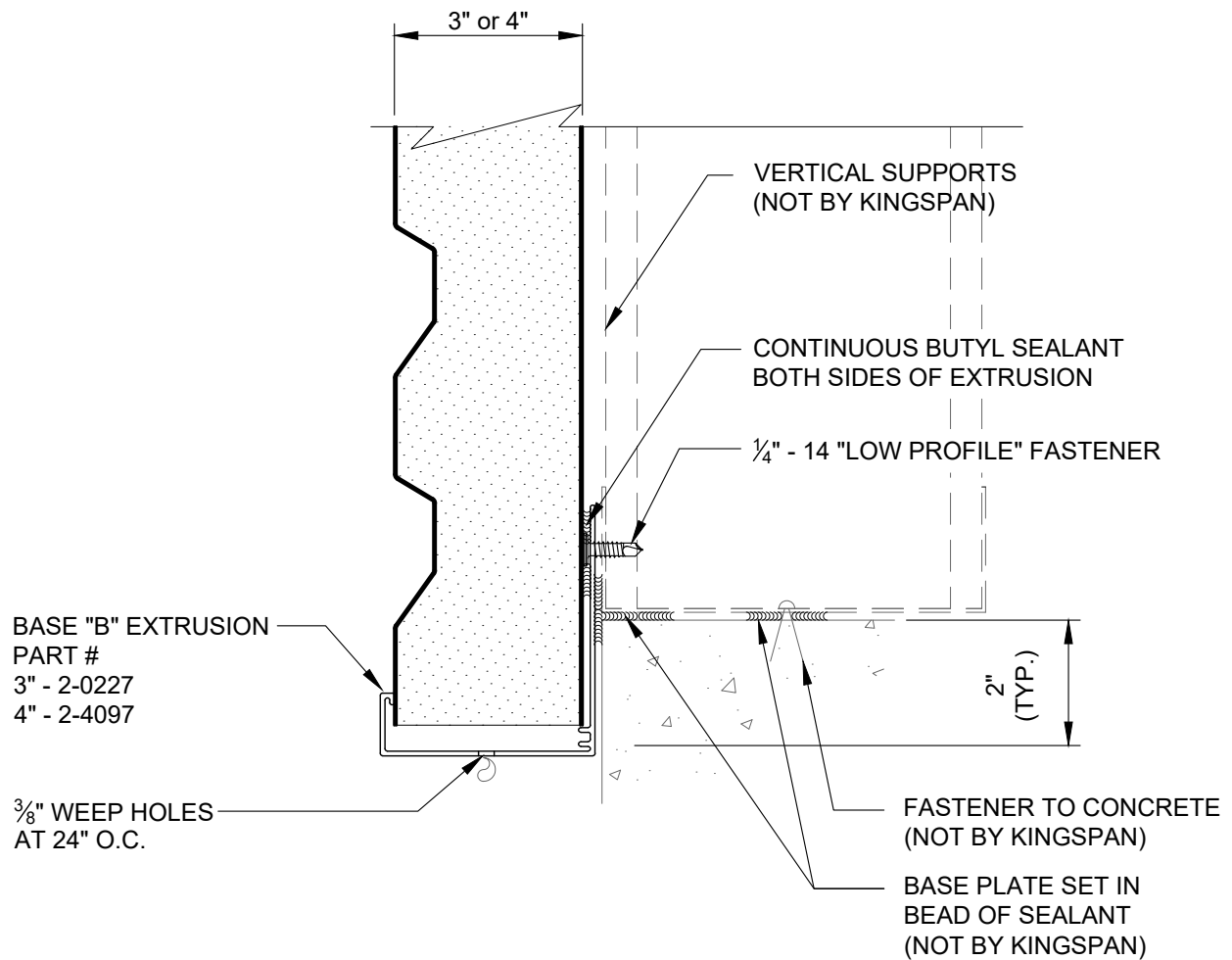
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OVERHANG BASE DETAIL-
CUT PANEL WITH
EXTRUSION

DETAIL #: CI-BS-04-VH

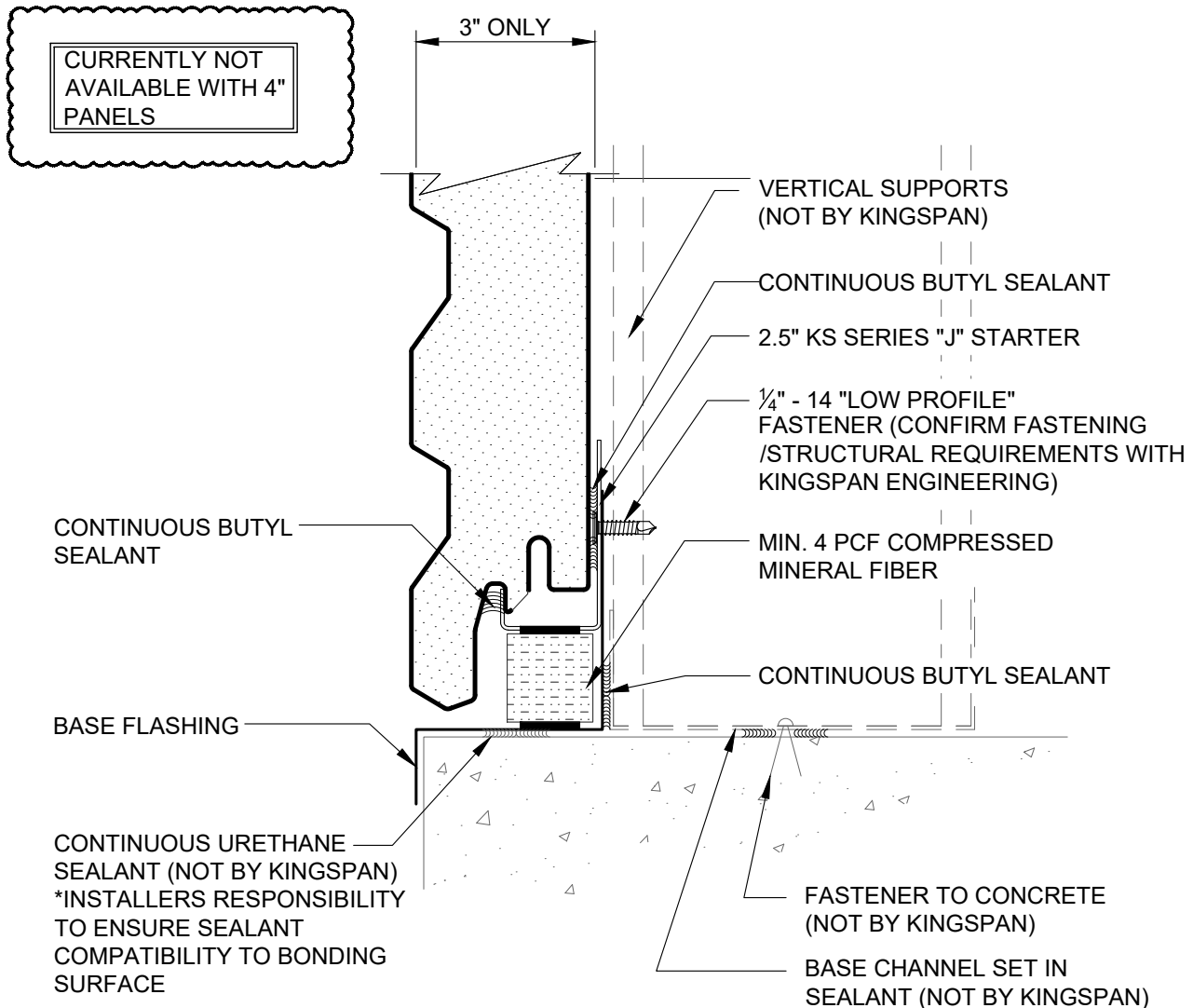
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FLUSH BASE DETAIL - \"J\"
STARTER W/ TRIM

DETAIL #: CI-BS-05-VH

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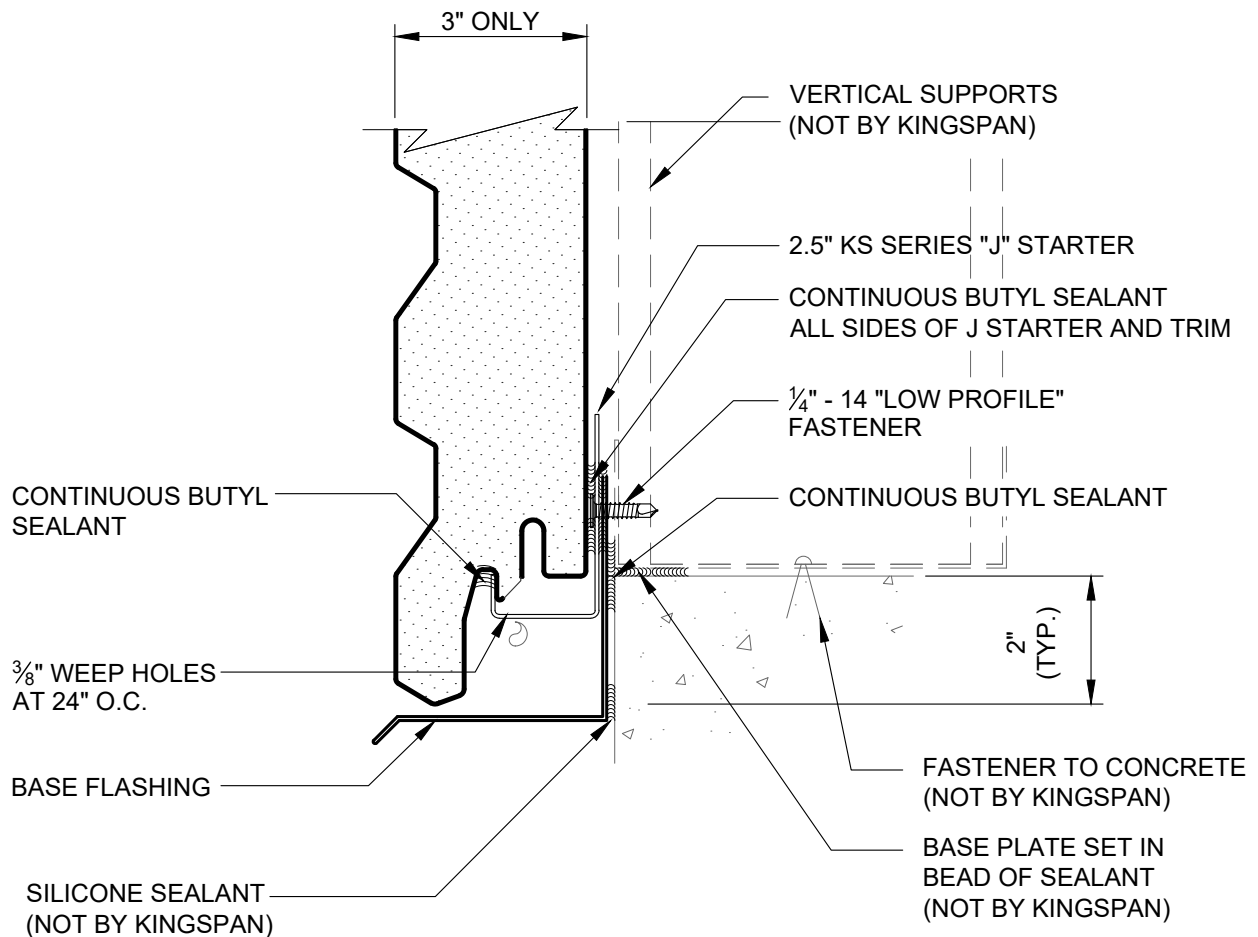
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QUADCORE B VALE - HORIZONTAL PANEL

CURRENTLY NOT
AVAILABLE WITH 4"
PANELS



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OVERHANG BASE DETAIL -
"J" STARTER W/ TRIM

DETAIL #: CI-BS-06-VH

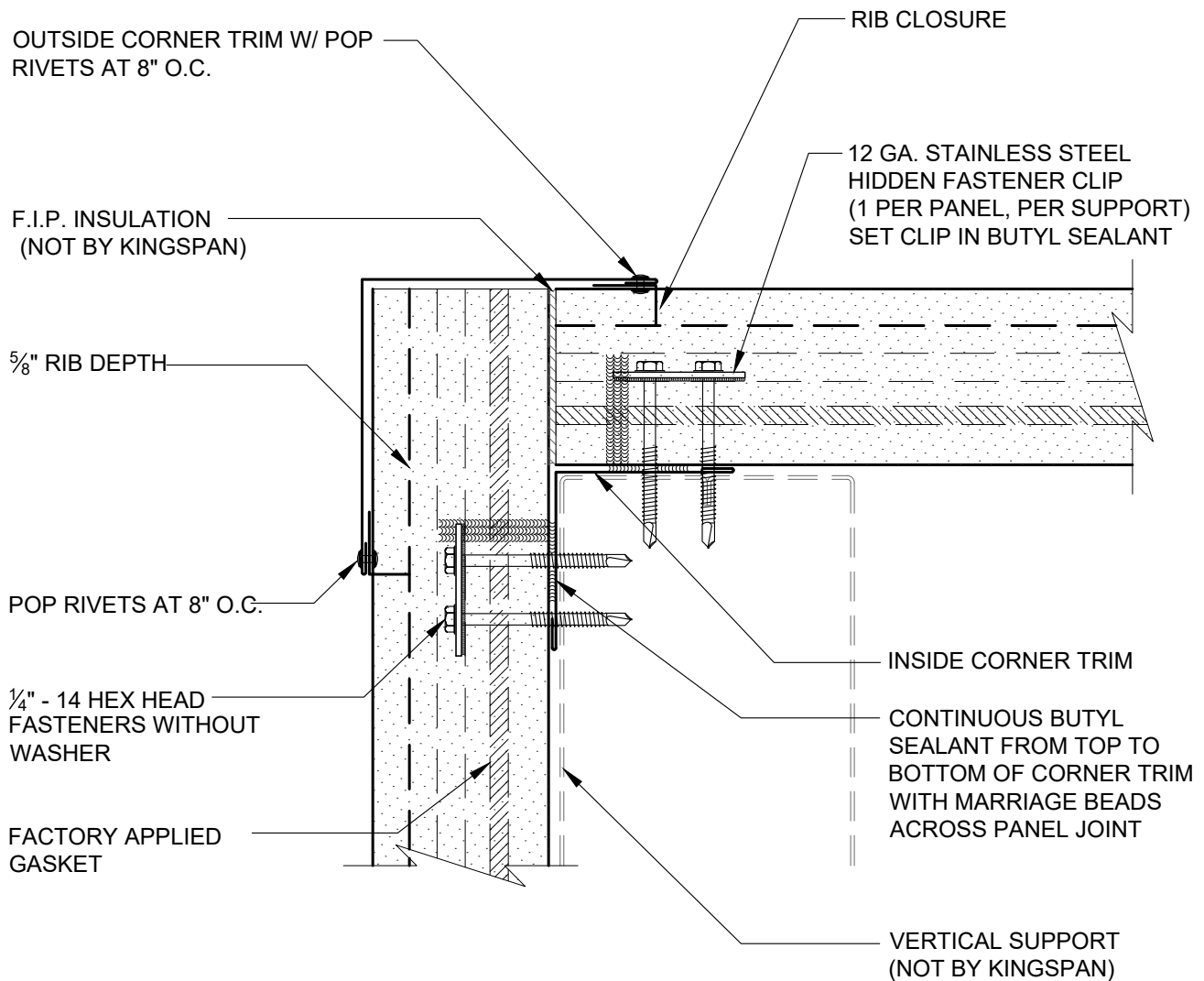
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QUADCORE B VALE - HORIZONTAL PANEL



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OUTSIDE CORNER
WITH FLAT TRIM

DETAIL #: CI-OC-01-VH

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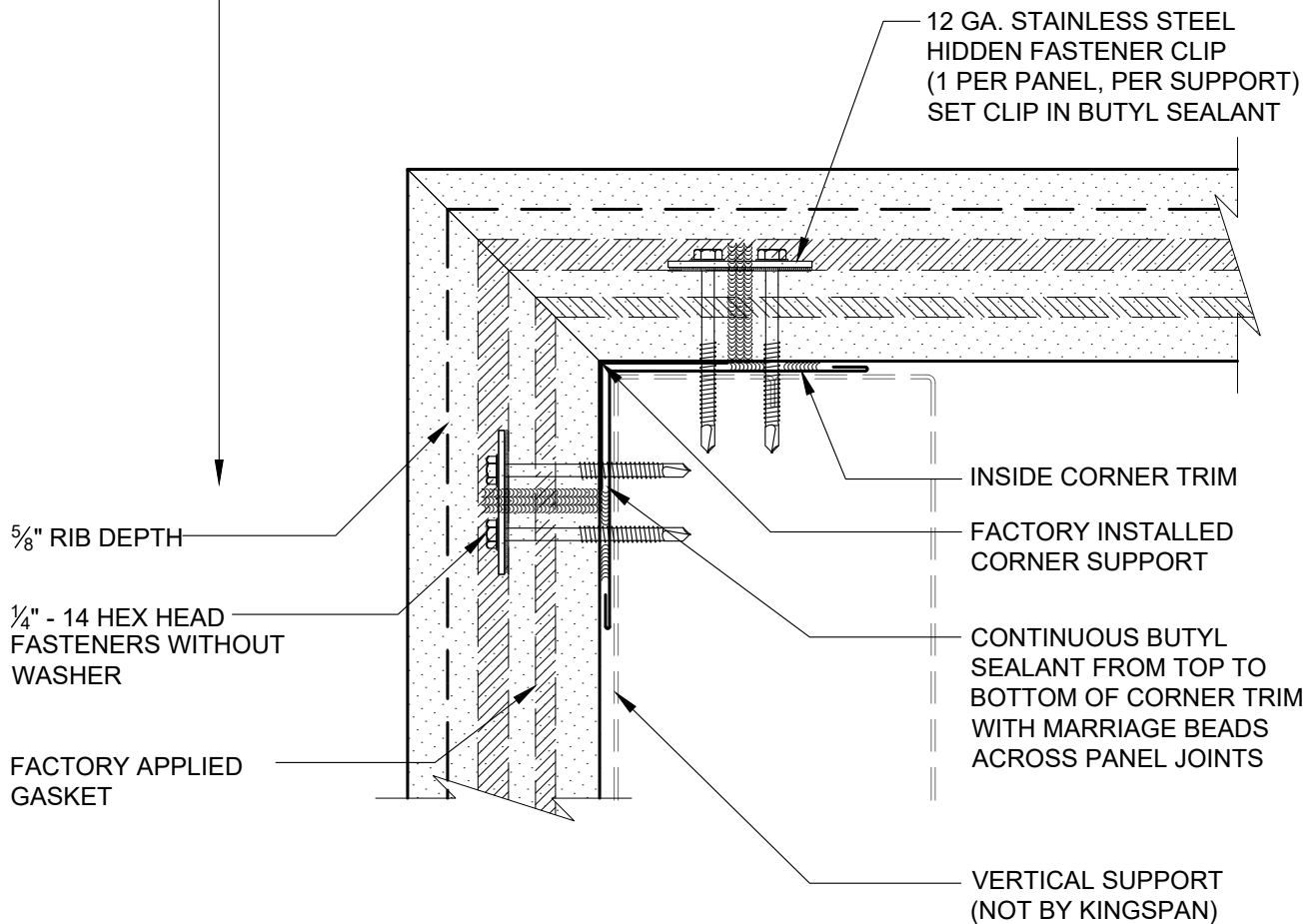
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QUADCORE B VALE - HORIZONTAL PANEL

MINIMUM LEG LENGTH - 1'- 0"
MAXIMUM LEG LENGTH - 14'- 0"
INTERIOR ANGLE - 90°



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OUTSIDE CORNER
FACTORY FOLDED

DETAIL #: CI-OC-02-VH

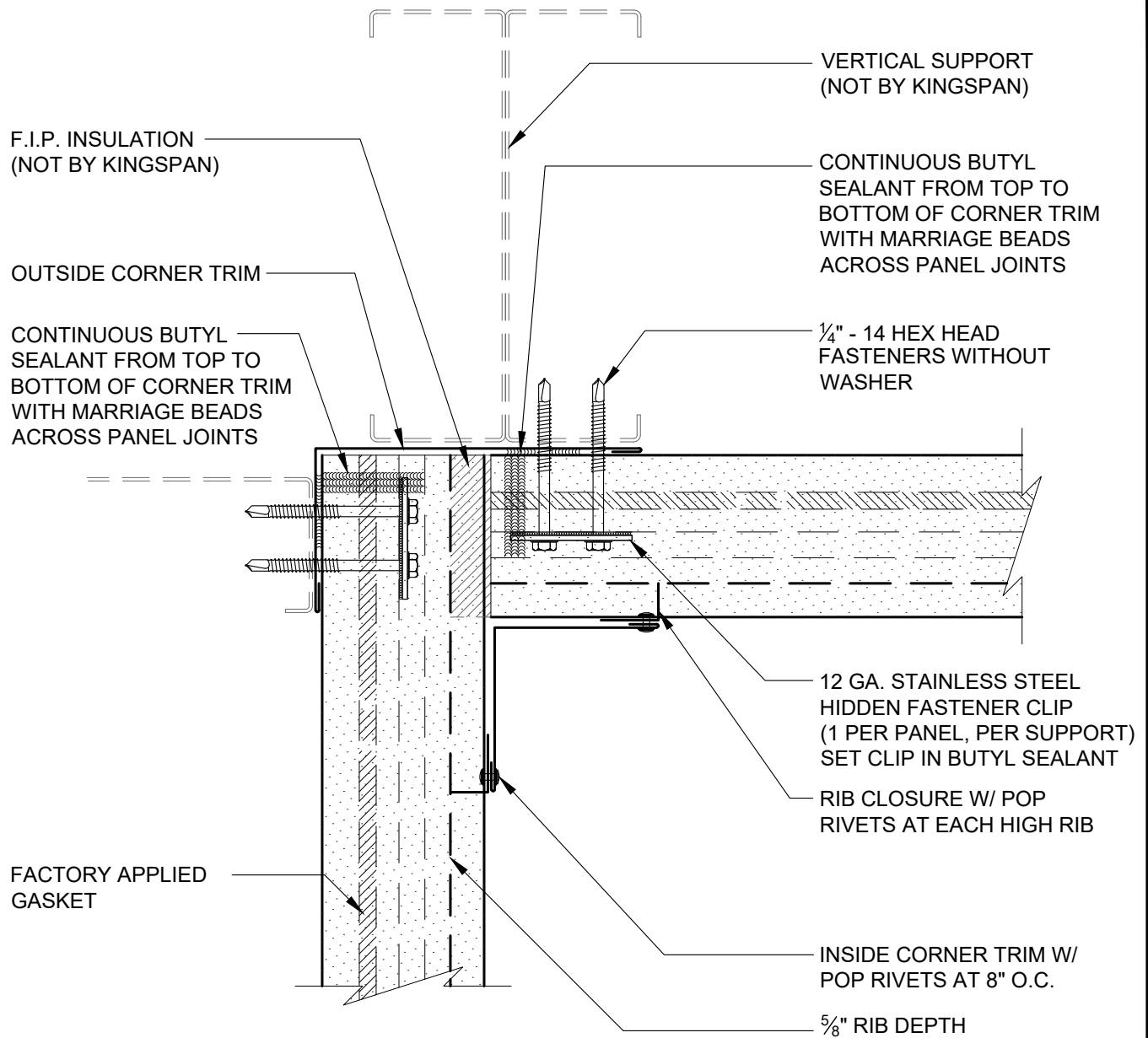
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QUADCORE B VALE - HORIZONTAL PANEL



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INSIDE CORNER
WITH TRIM

DETAIL #: CI-IC-01-VH

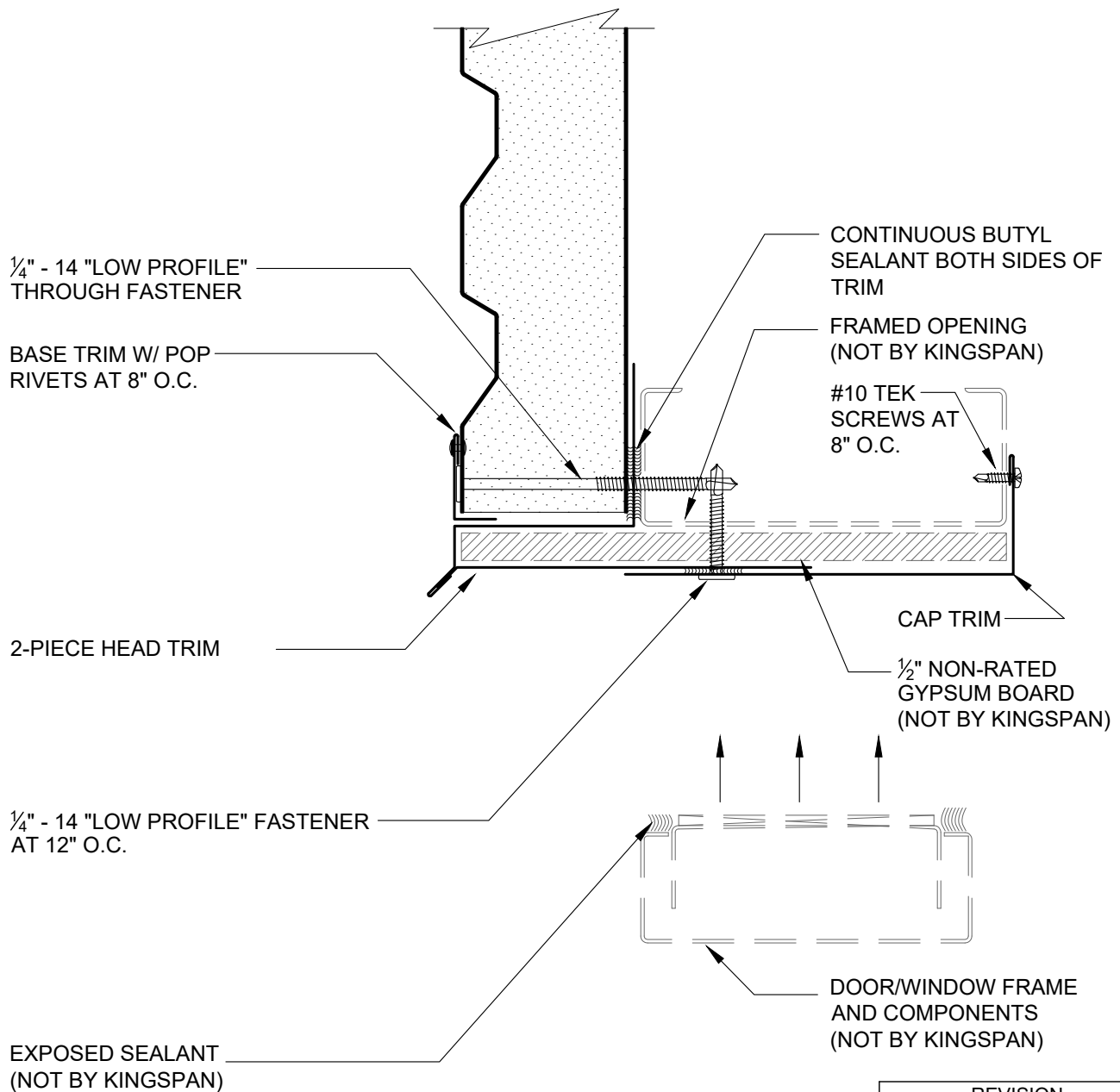
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QUADCORE B VALE - HORIZONTAL PANEL



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FRAMED OPENING
HEAD

DETAIL #: CI-FO-01-VH

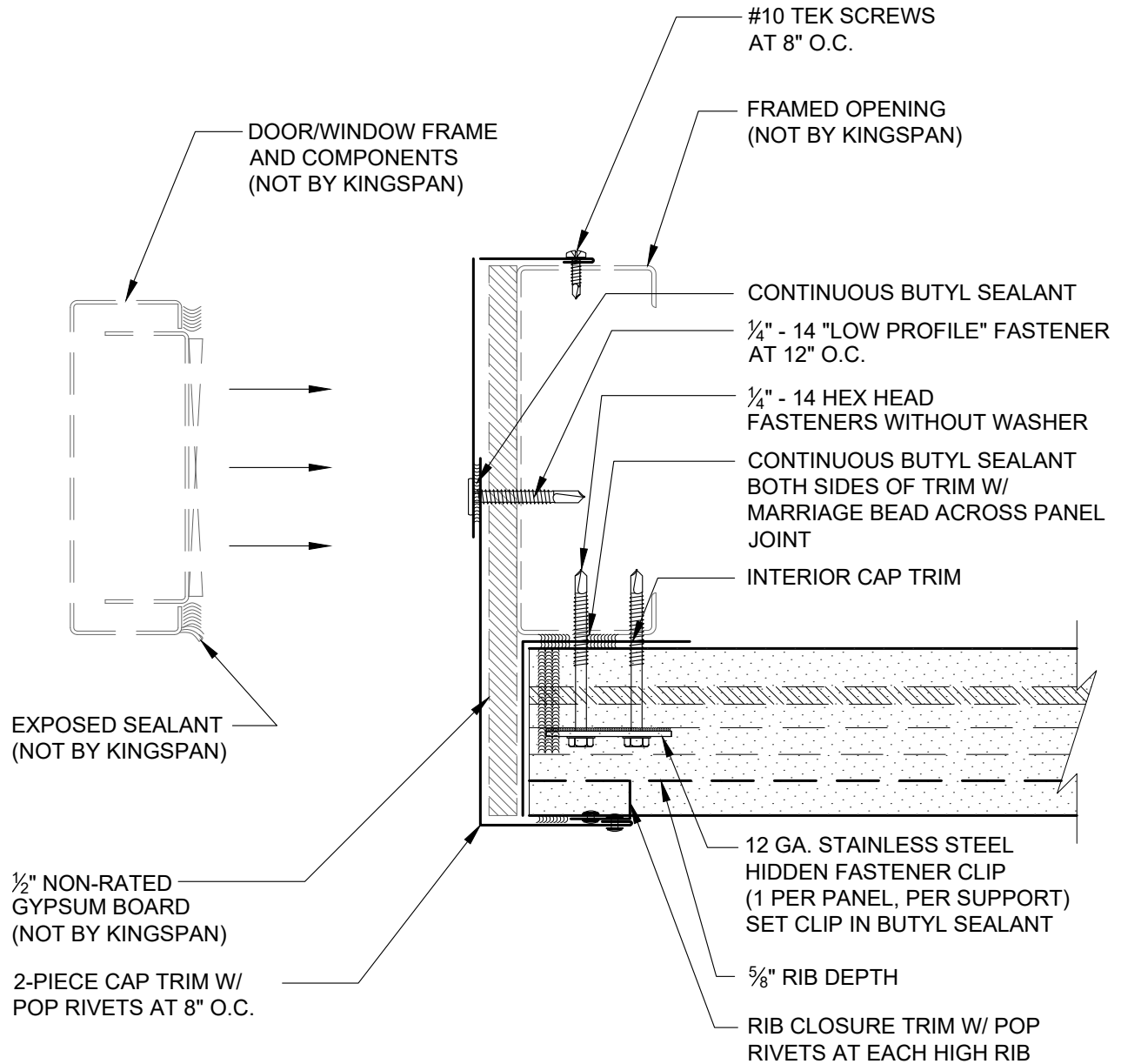
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QUADCORE B VALE - HORIZONTAL PANEL



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FRAMED OPENING
JAMB - 2 PIECE CAP TRIM

DETAIL #: CI-FO-03-VH

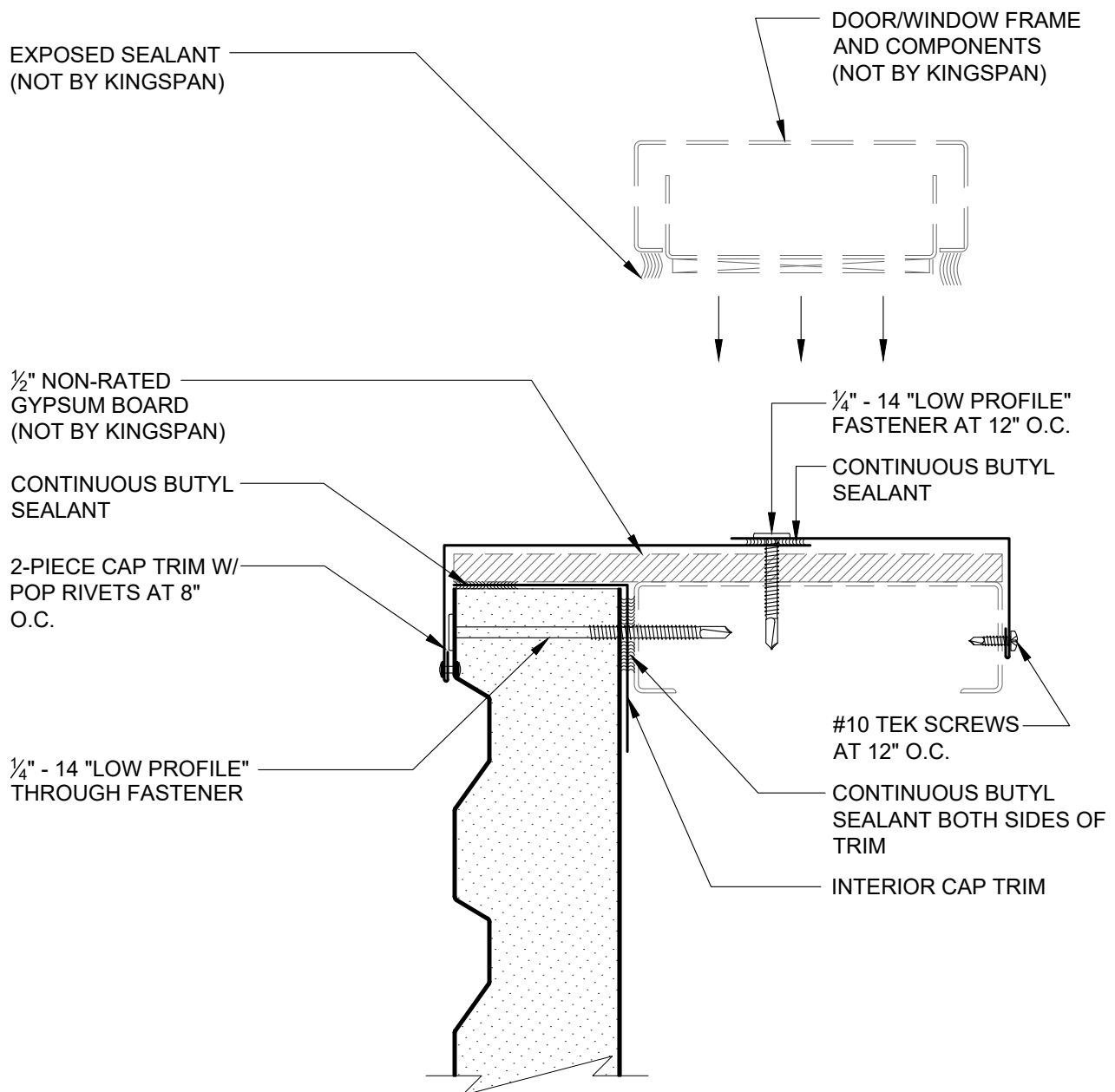
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FRAMED OPENING
SILL AT RIB

DETAIL #: CI-FO-04-VH

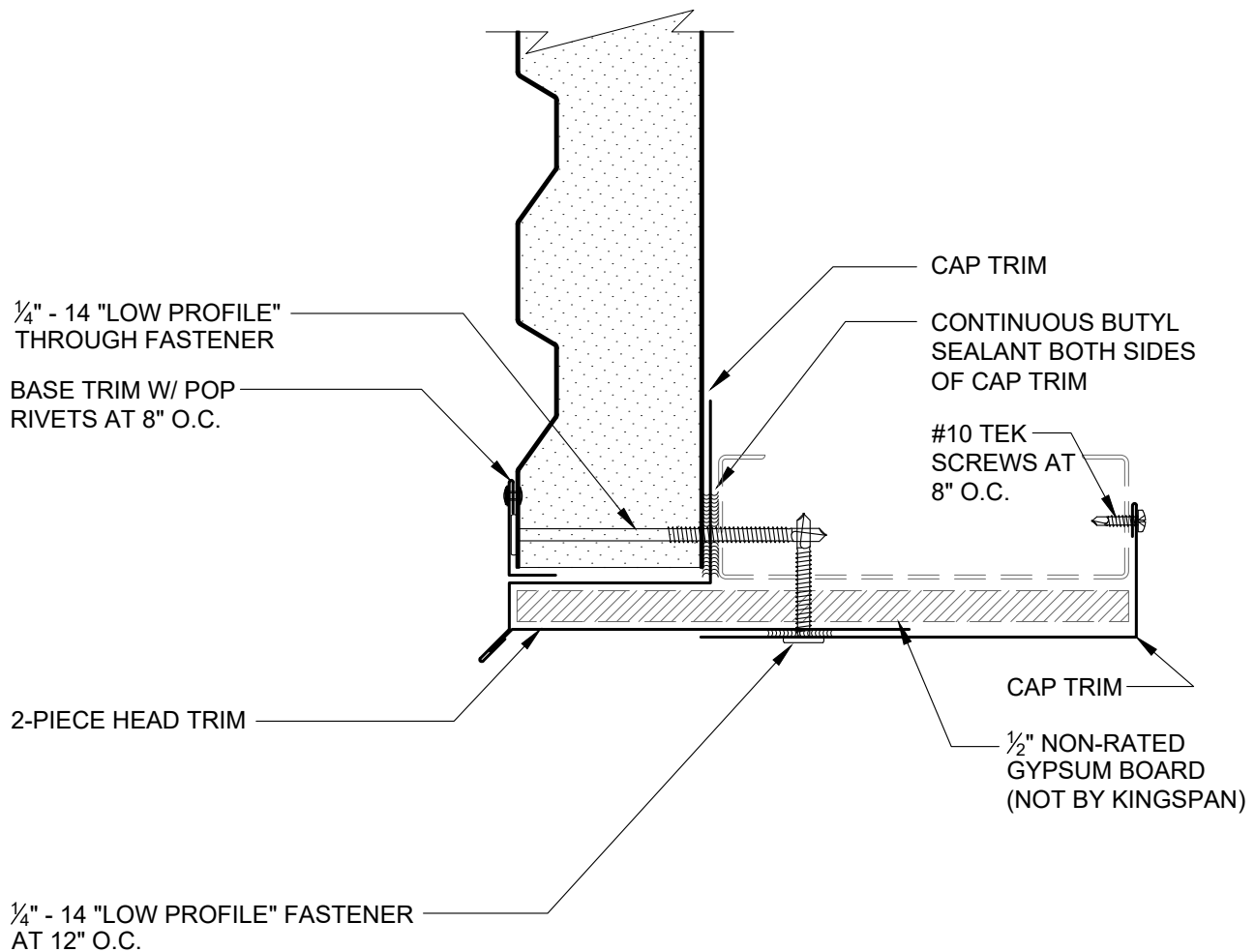
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OVERHEAD DOOR - HEAD
2 PIECE CAP TRIM

DETAIL #: CI-FO-05-VH

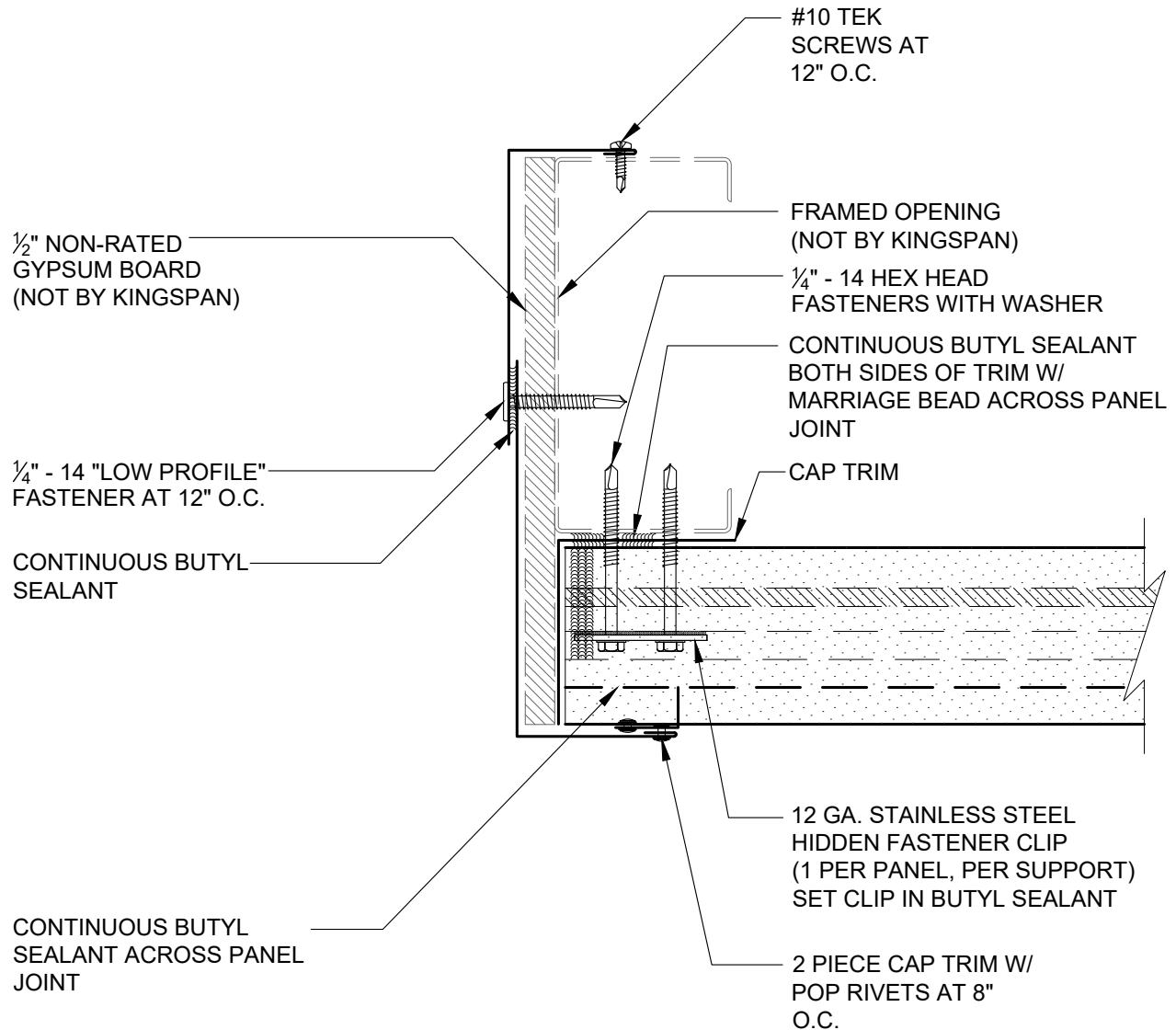
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OVERHEAD DOOR - JAMB
2-PIECE CAP TRIM

DETAIL #: CI-FO-06-VH

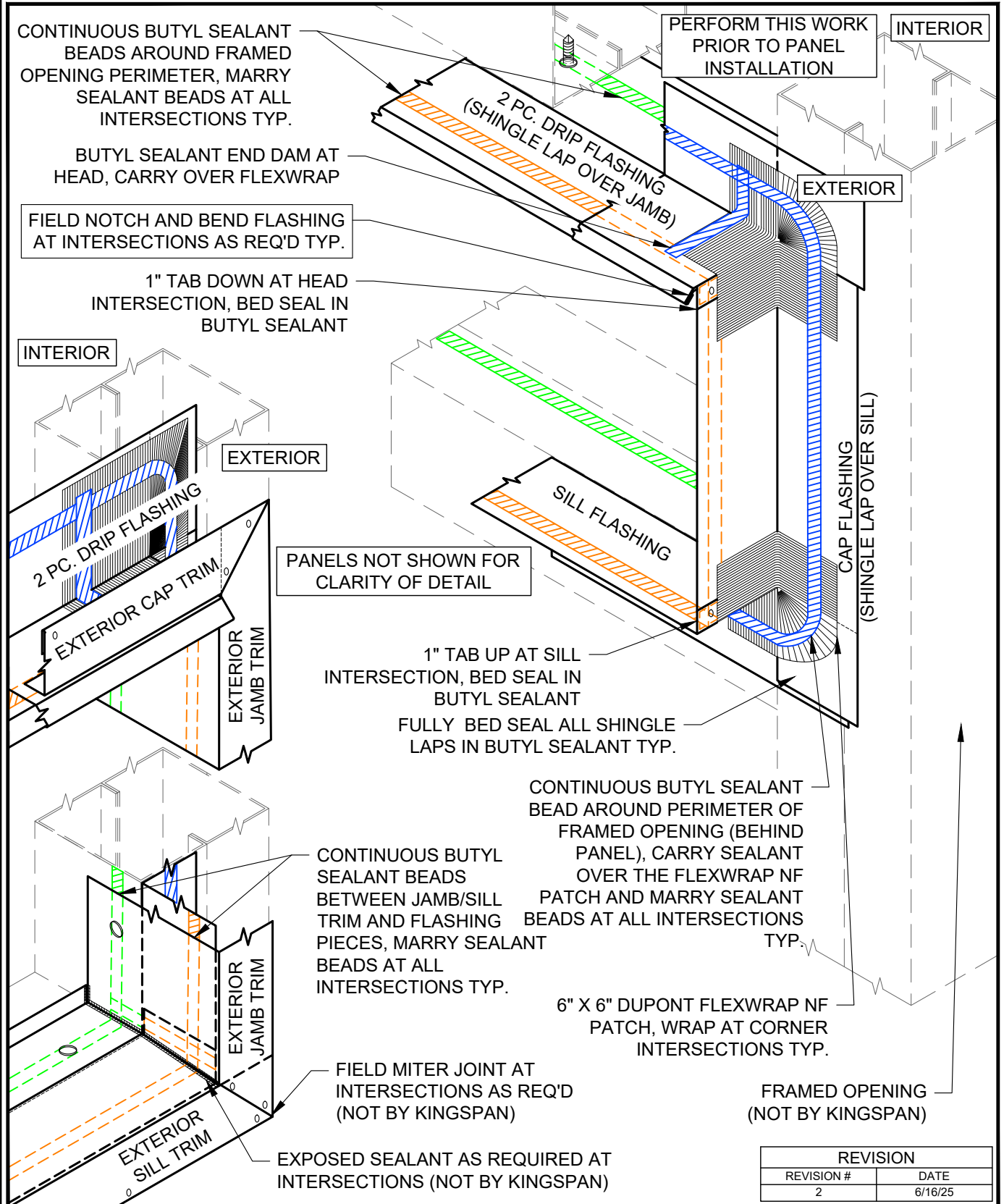
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FRAMED OPENING - TRIM INSTALLATION

DETAIL #: CI-FO-07-VH

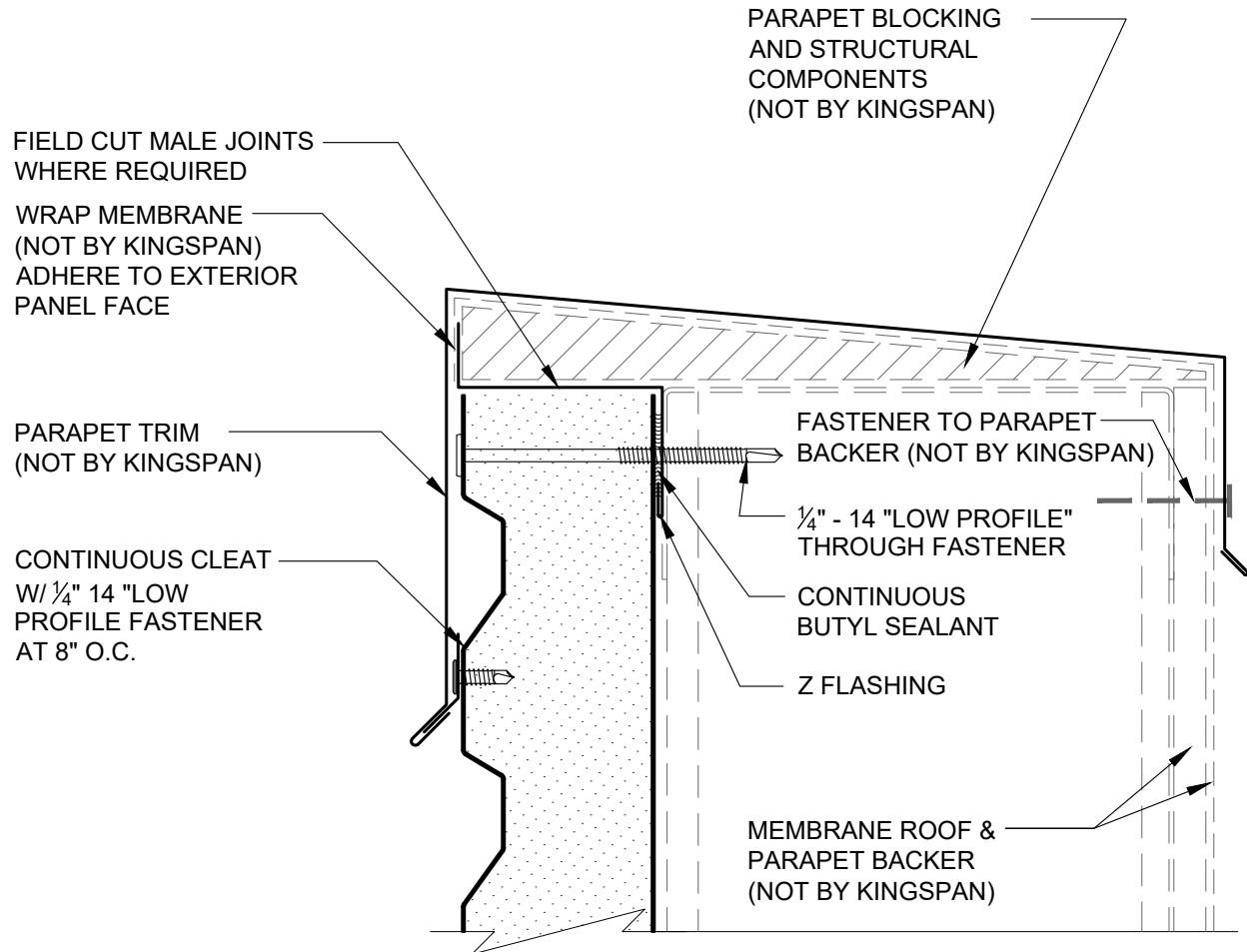
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QUADCORE B VALE - HORIZONTAL PANEL



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PARAPET - FIELD CUT
PANEL -
FLUSH TRIM

DETAIL #: CI-PR-01-VH

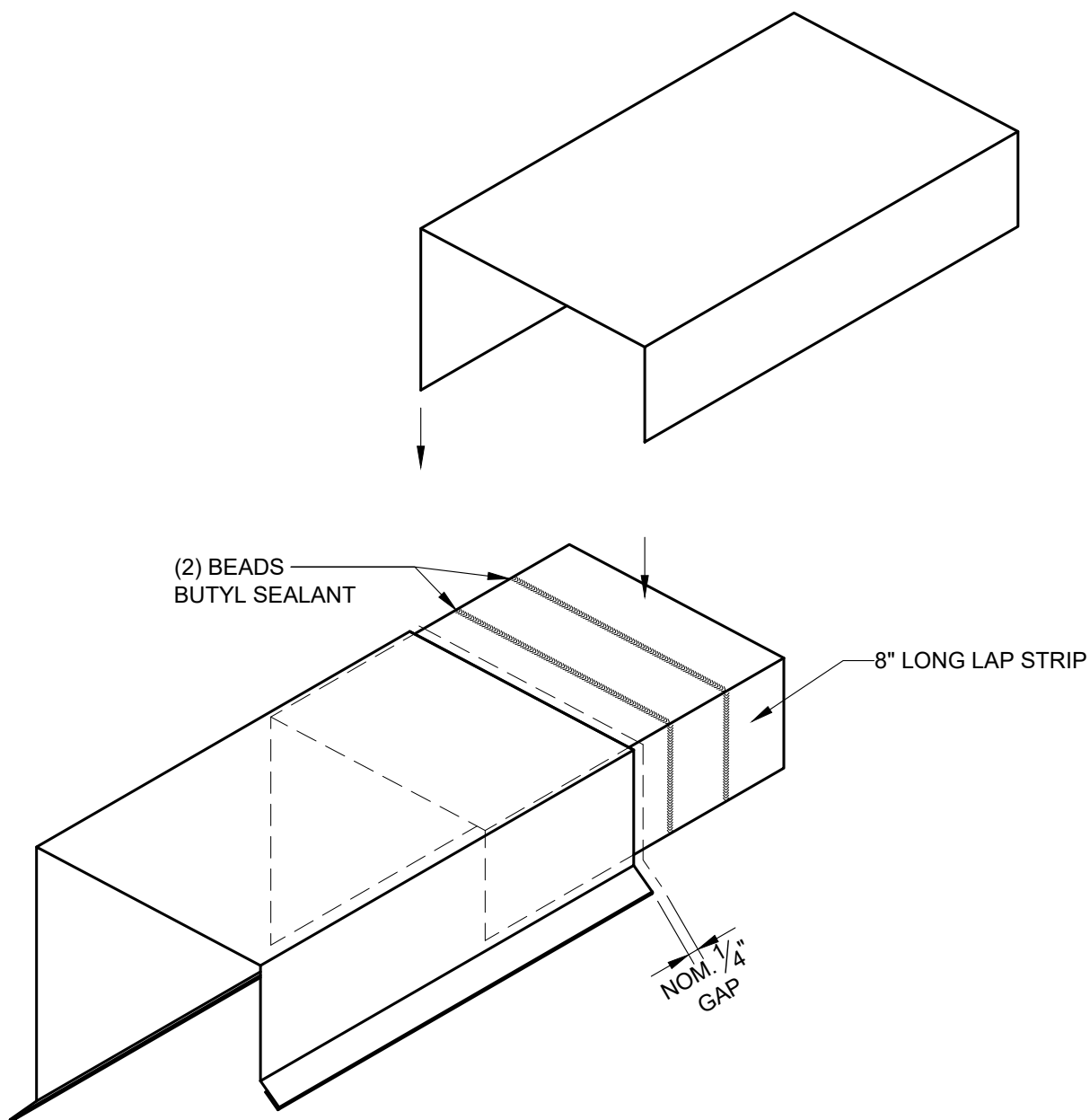
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QUADCORE B VALE - HORIZONTAL PANEL



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PARAPET - LAP STRIP
INSTALLATION

DETAIL #: CI-PR-02-VH

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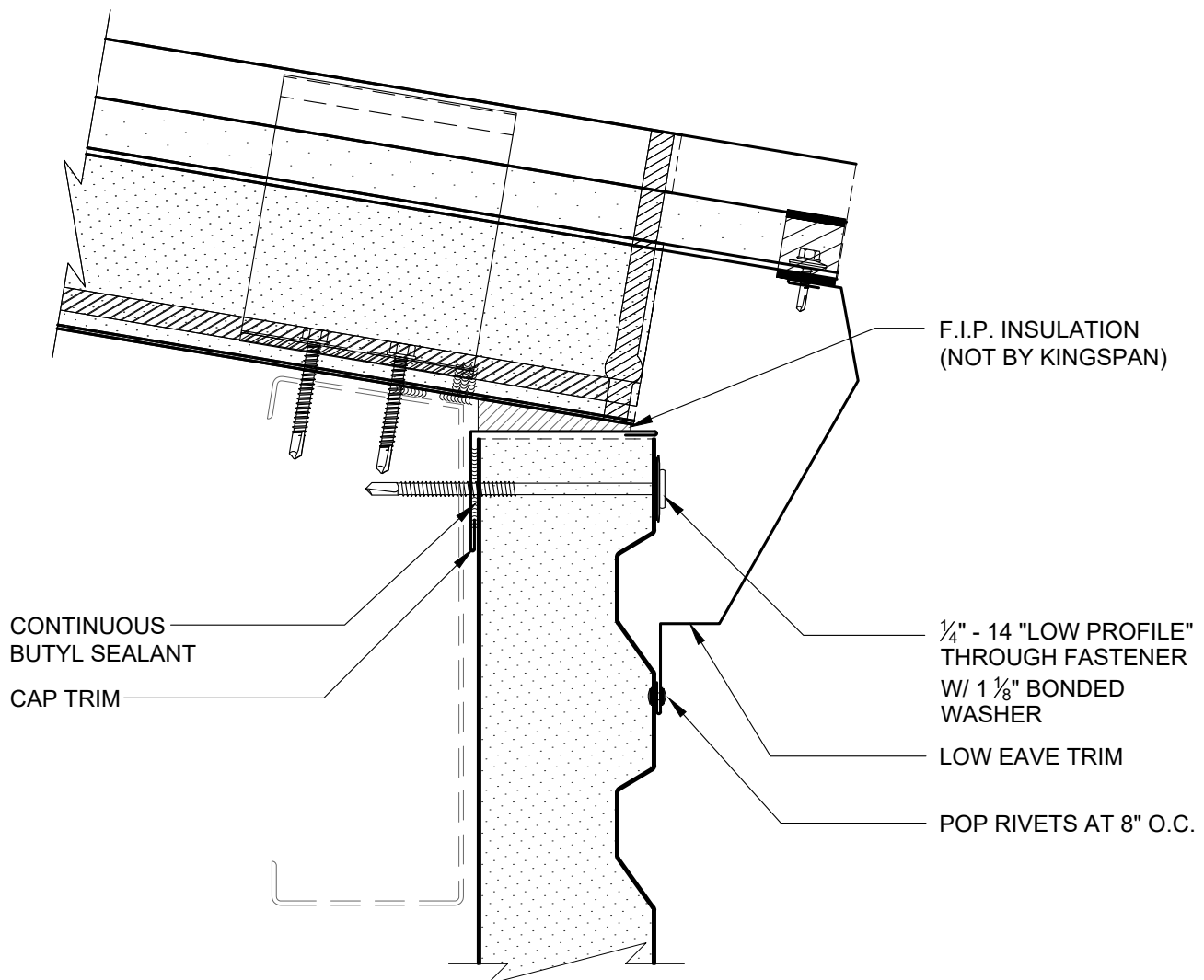
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QUADCORE B VALE - HORIZONTAL PANEL

SEE ROOF DETAILS FOR ROOF NOTES



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WALL TO ROOF - LOW
EAVE NO GUTTER

DETAIL #: CI-WR-01-VH

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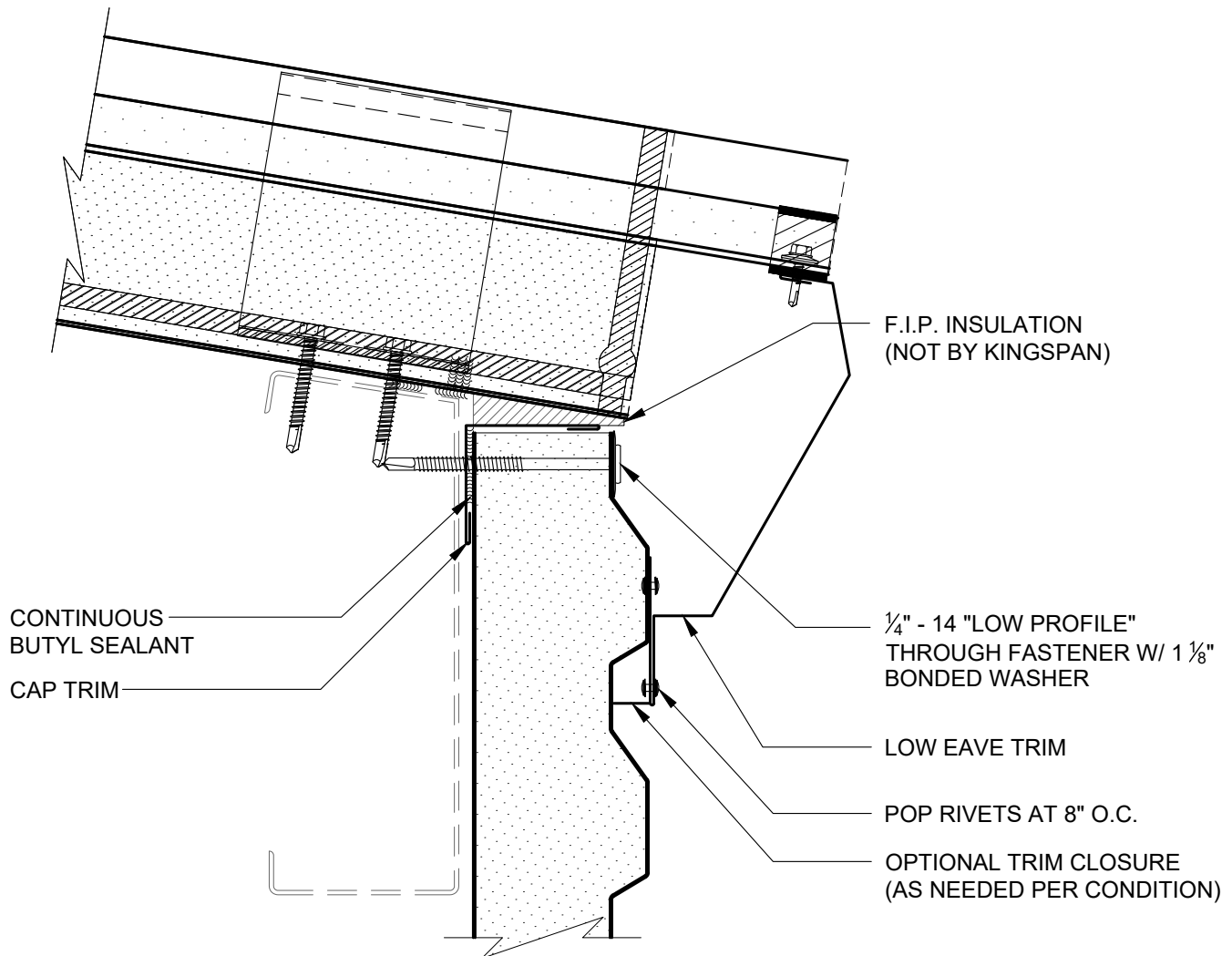
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SEE ROOF DETAILS FOR ROOF NOTES



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WALL TO ROOF - LOW
EAVE AT LOW RIB

DETAIL #: CI-WR-02-VH

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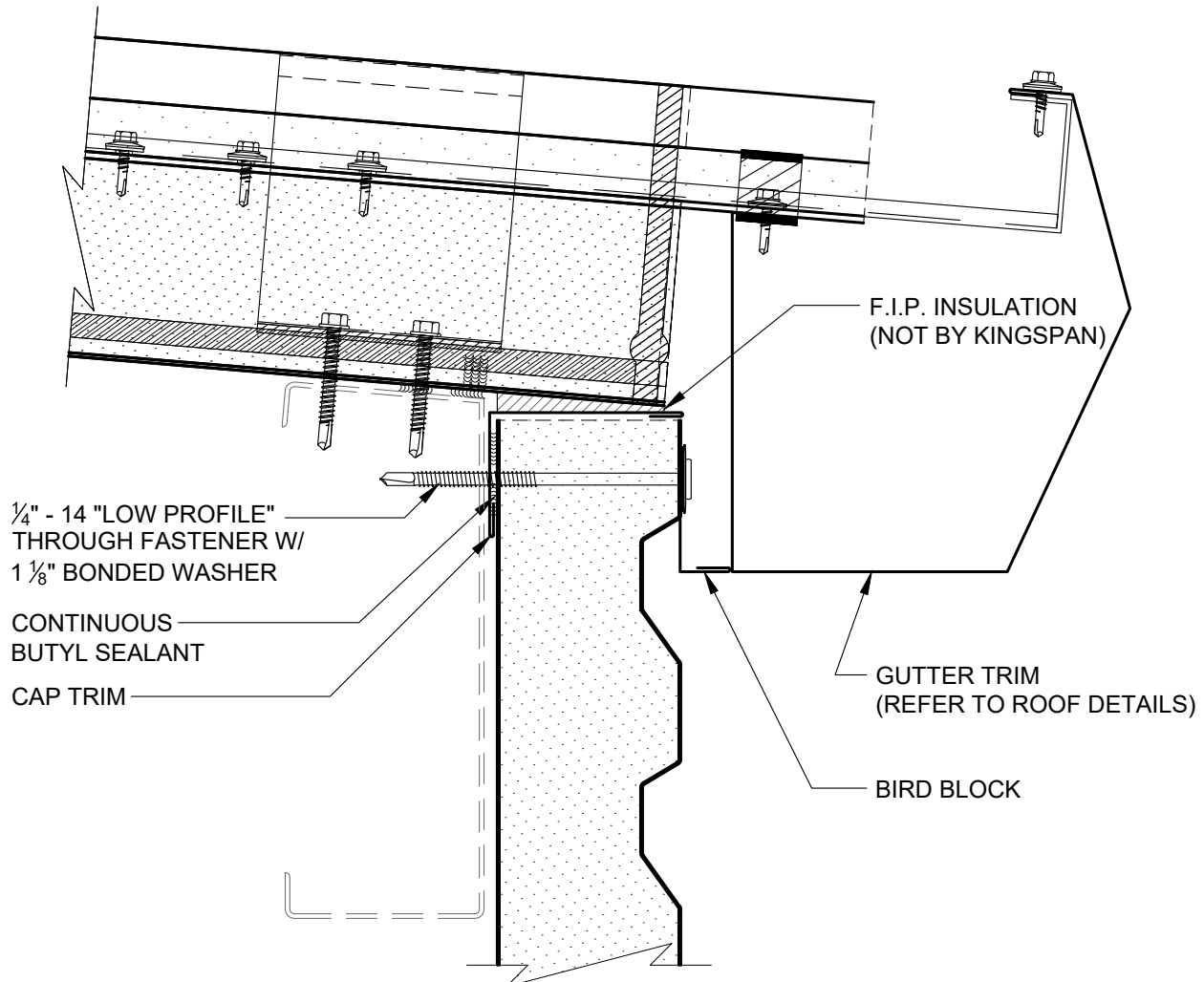
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SEE ROOF DETAILS FOR ROOF NOTES



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WALL TO ROOF - LOW
EAVE W/ GUTTER

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SEE ROOF DETAILS FOR ROOF NOTES

HIGH EAVE TRIM

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

POP RIVETS AT 8" O.C.

$\frac{1}{4}$ " - 14 "LOW PROFILE"
THROUGH FASTENER W/
 $1\frac{1}{8}$ " BONDED WASHER

CONTINUOUS
BUTYL SEALANT

CAP TRIM

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WALL TO ROOF - HIGH
EAVE

DETAIL #: CI-WR-04-VH

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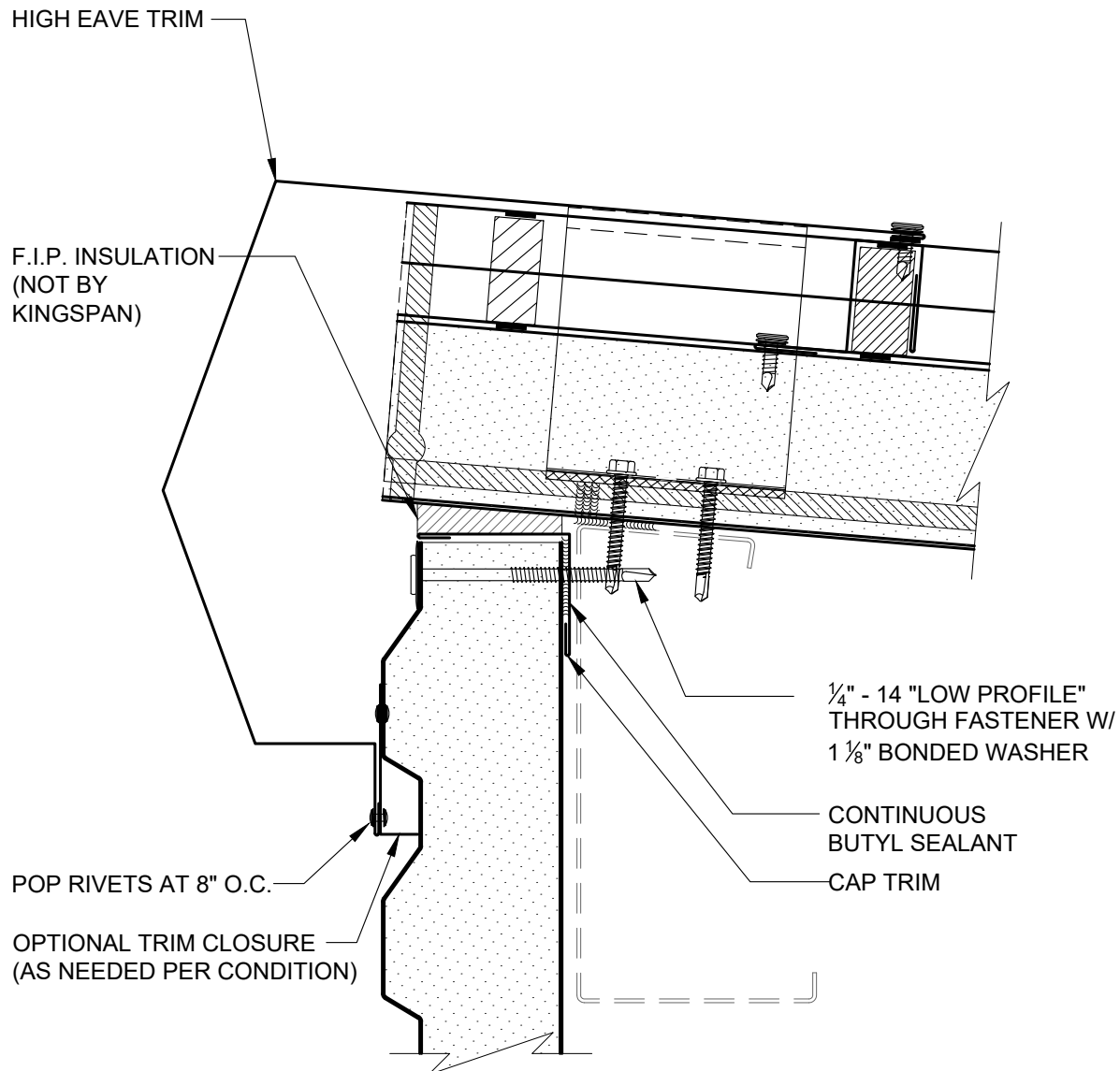
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WALL TO ROOF - HIGH
EAVE AT LOW RIB

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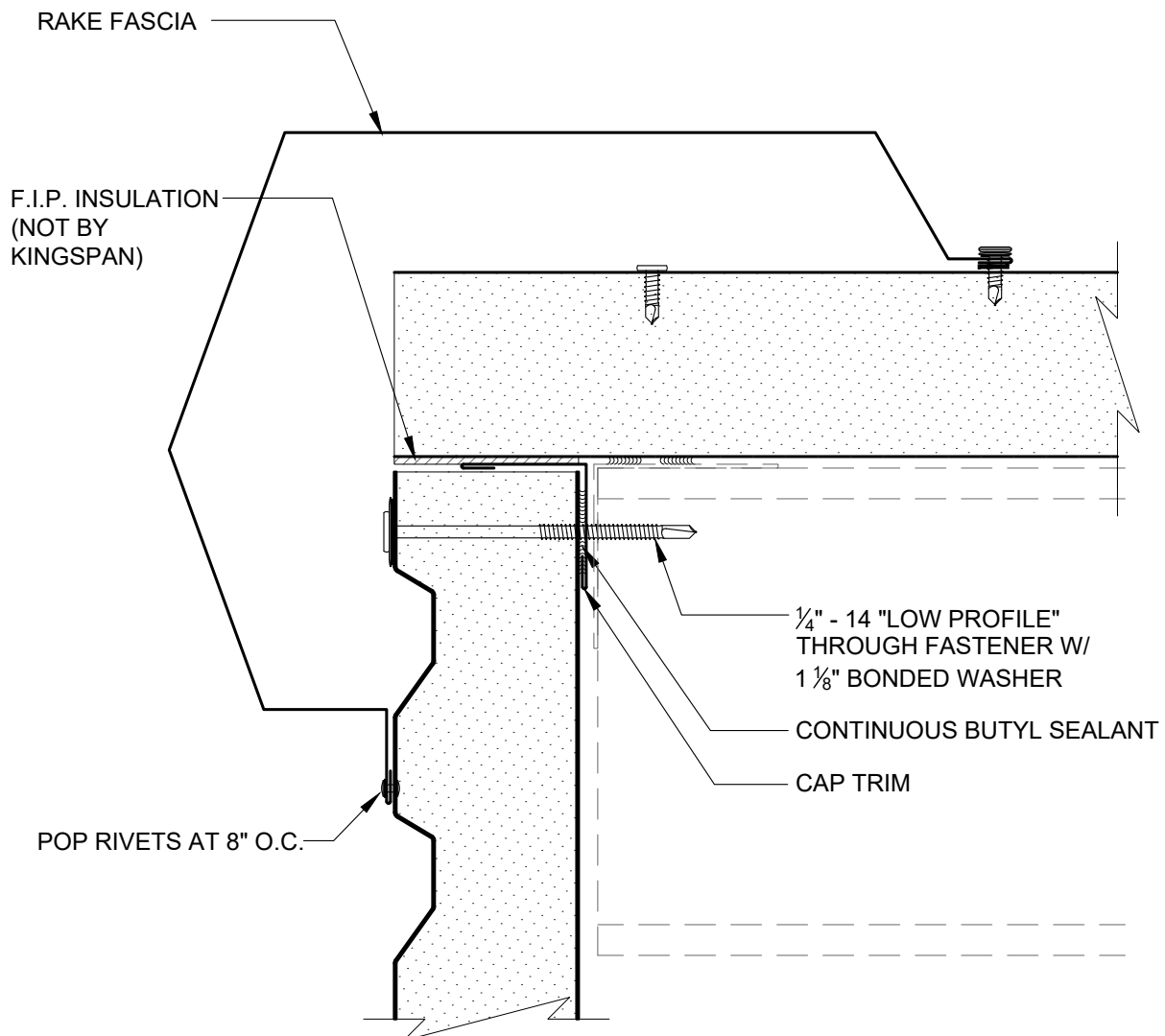
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SEE ROOF DETAILS FOR ROOF NOTES



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WALL TO ROOF - RAKE

DETAIL #: CI-WR-06-VH

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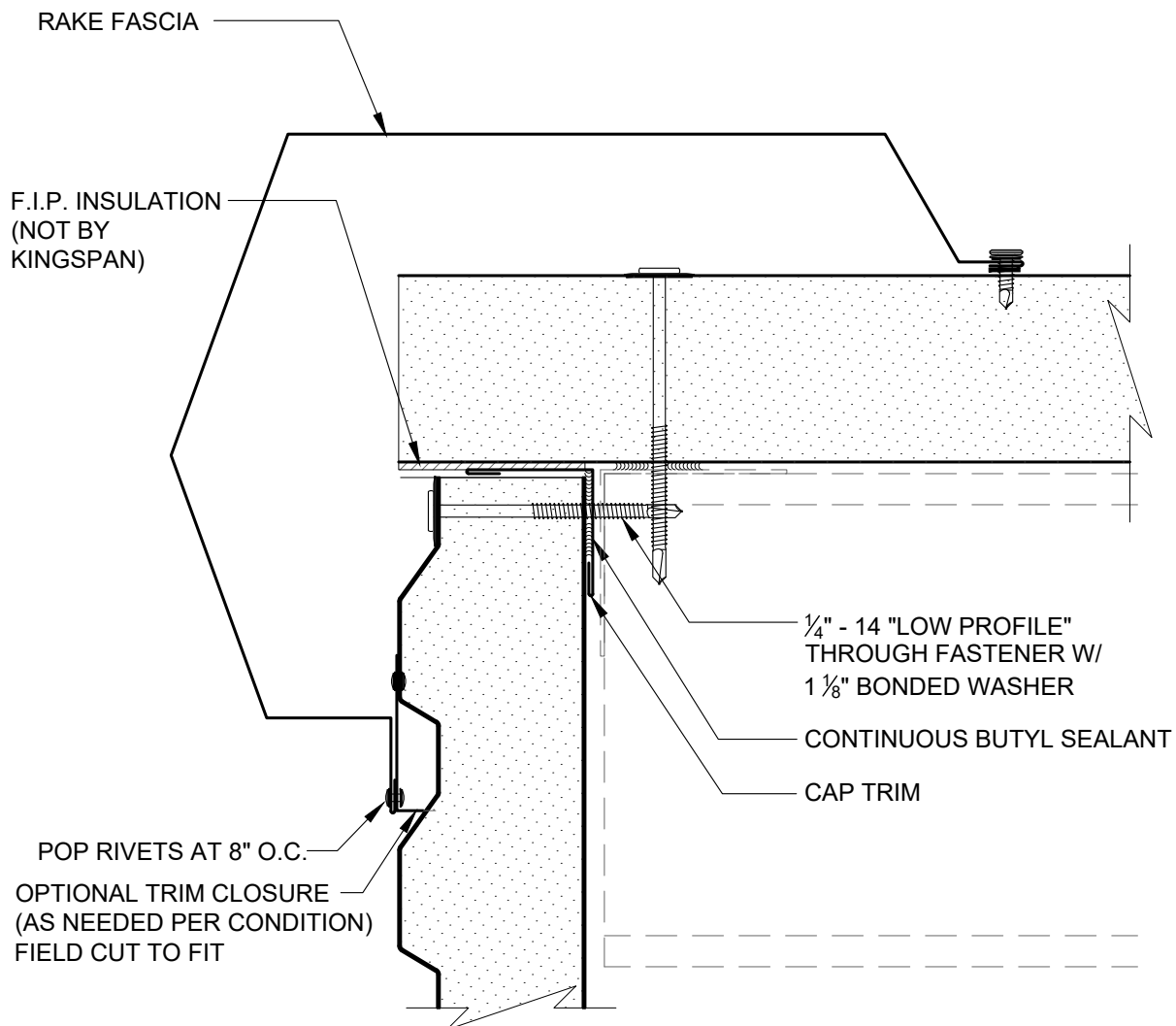
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QUADCORE B VALE - HORIZONTAL PANEL

SEE ROOF DETAILS FOR ROOF NOTES



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WALL TO ROOF - RAKE
AT LOW RIB

DETAIL #: CI-WR-07-VH

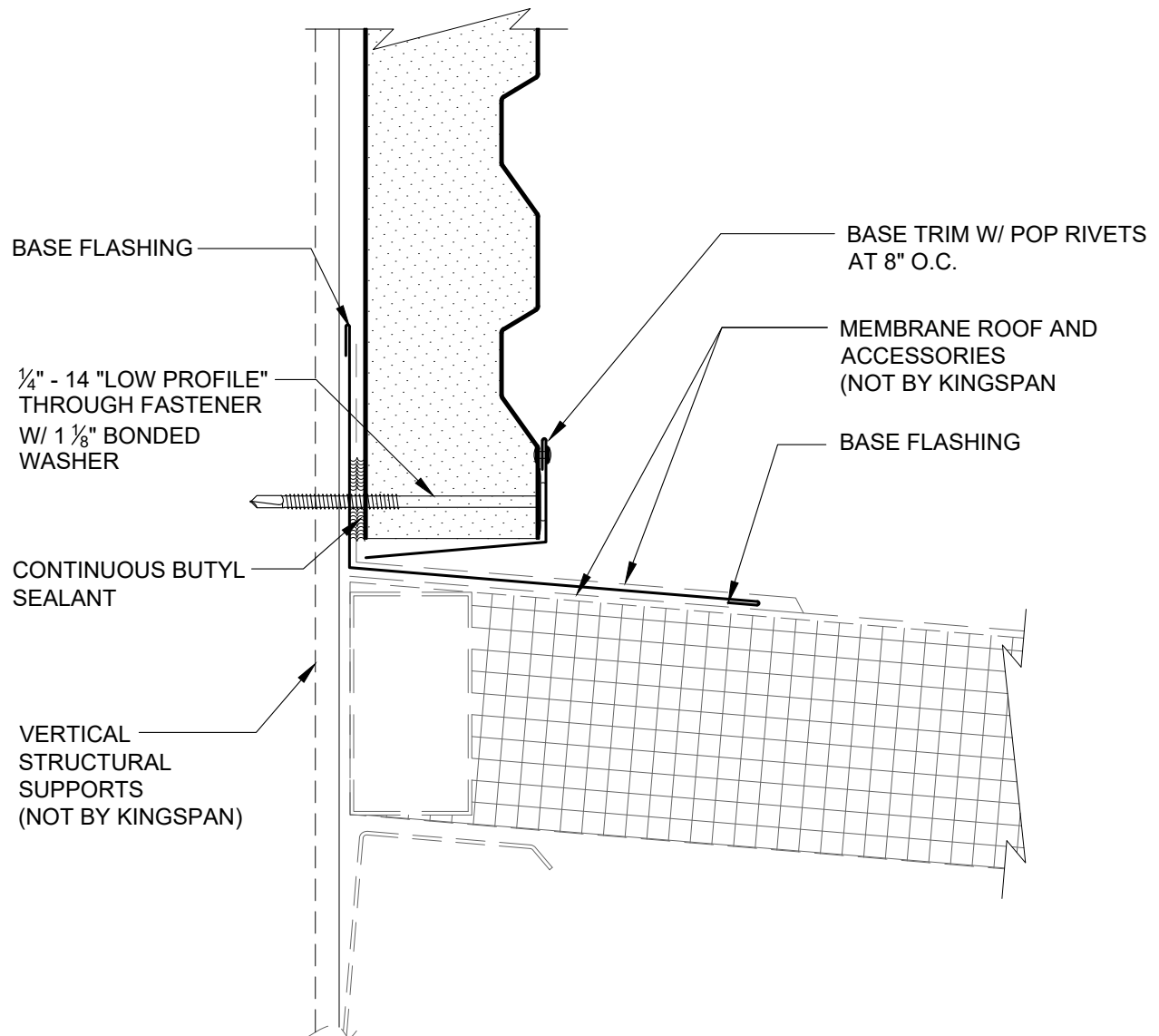
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QUADCORE B VALE - HORIZONTAL PANEL



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WALL ABOVE TO BUILT UP
ROOF / CANOPY

DETAIL #: CI-WR-08-VH

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QUADCORE B VALE - HORIZONTAL PANEL

MEMBRANE
(NOT BY KINGSPAN)

BASE FLASHING W/
TRIM FASTENERS
AT 8" O.C.

CONTINUOUS BUTYL
SEALANT

CAP TRIM W/ TRIM
FASTENERS AT 8"
O.C.

VERTICAL
SUPPORTS
(NOT BY KINGSPAN)

BASE TRIM W/ POP RIVETS
AT 8" O.C.

1/4" - 14 "LOW PROFILE"
THROUGH FASTENER W/
1 1/8" BONDED WASHER

1/4" - 14 "LOW PROFILE"
THROUGH FASTENER W/
1 1/8" BONDED WASHER

MEMBRANE ROOF,
FRAMING AND
ACCESSORIES
(NOT BY KINGSPAN)

MIN 6"

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CONTINUOUS WALL TO
BUILT UP ROOF / CANOPY

DETAIL #: CI-WR-09-VH

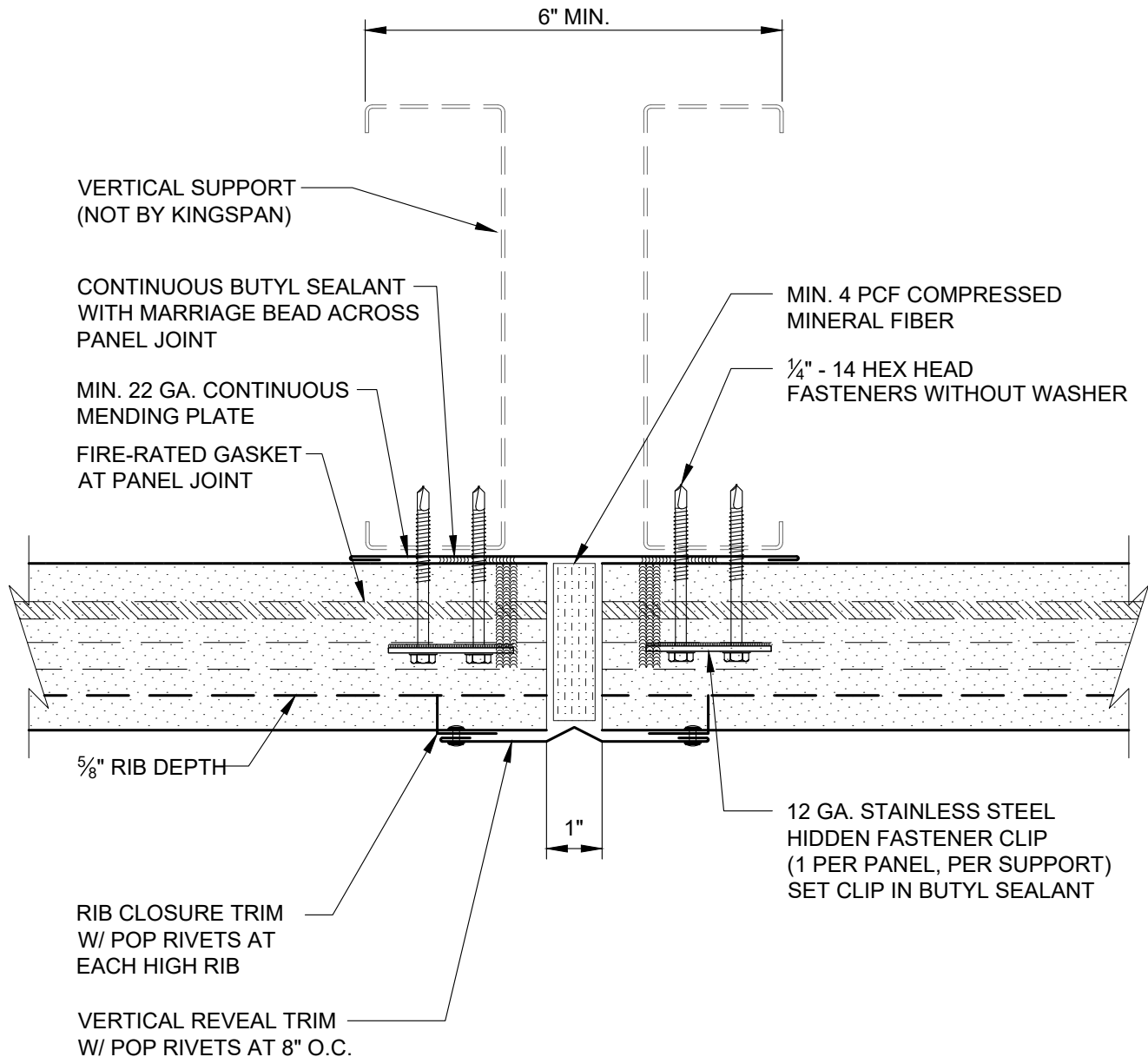
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



NOTE: SEE INSTALLATION
SEQUENCE AT BASE CONDITION
CI-VJ-07 THROUGH CI-VJ-13

REVISION

REVISION #	DATE
2	6/16/25

VERTICAL JOINT W/ 1-PC
TOP HAT TRIM

DETAIL #: CI-VJ-01-VH

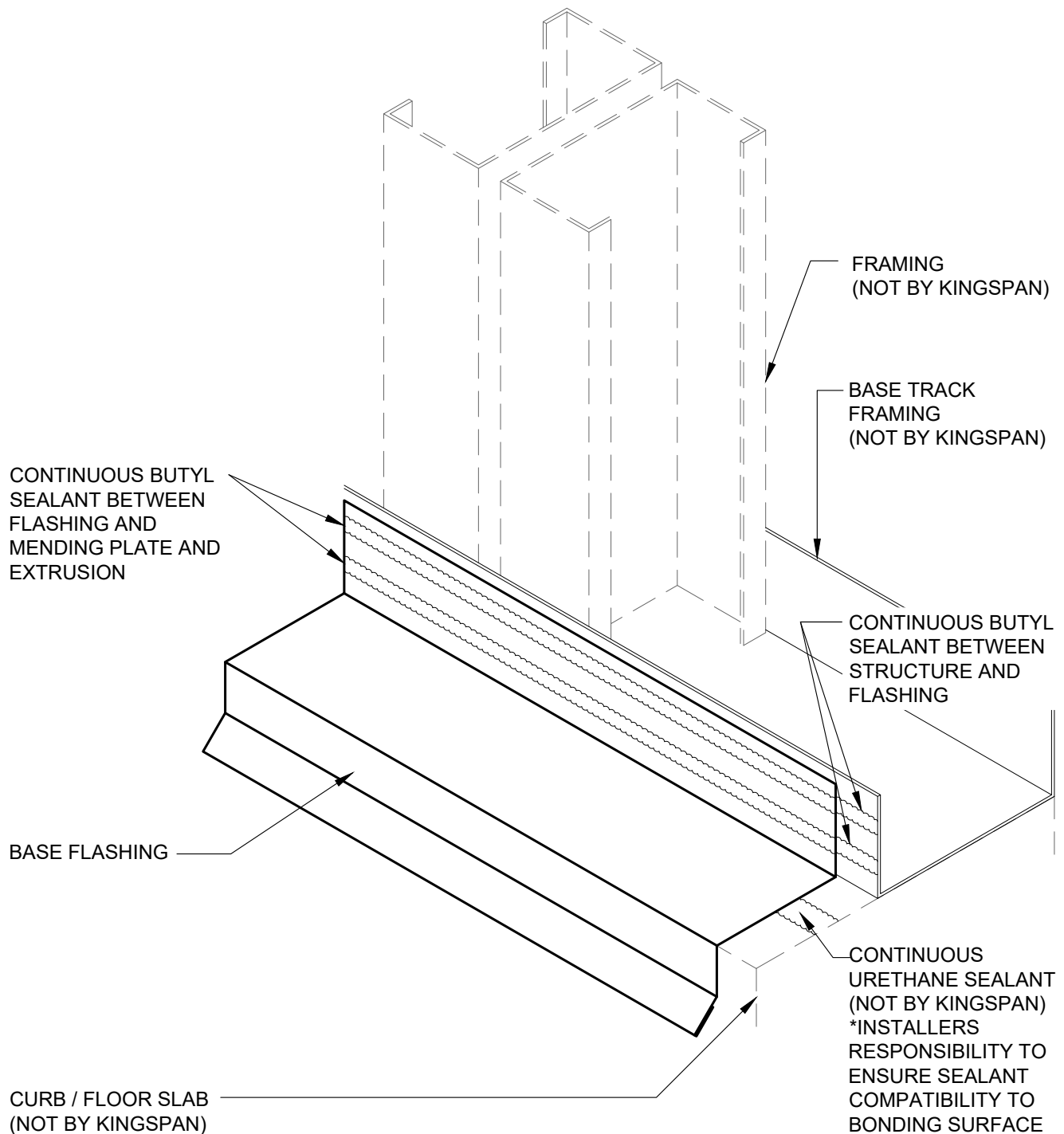
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



REVISION

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VERTICAL JOINT INSTALLATION SEQUENCE

DETAIL #: CI-VJ-02-VH

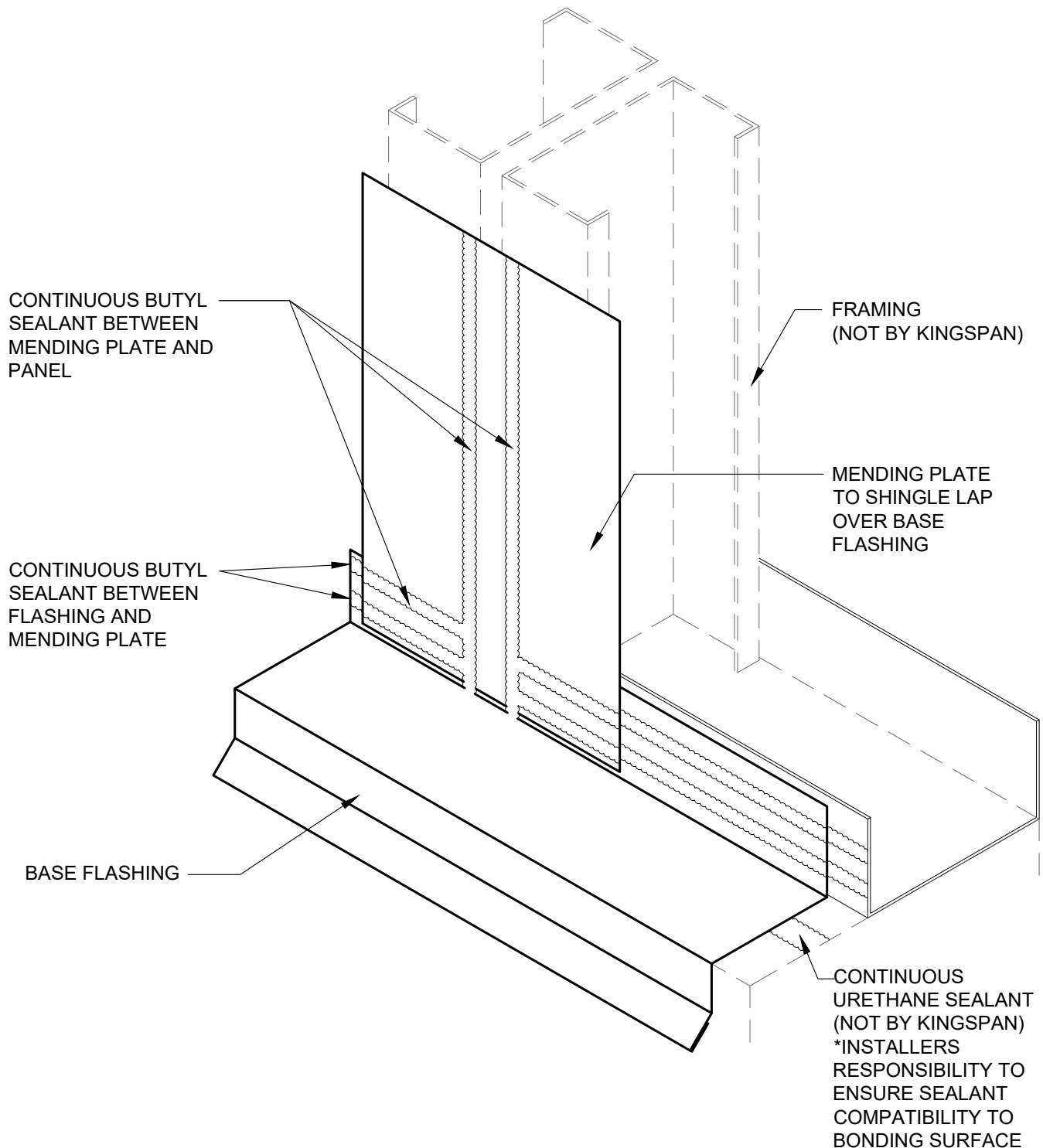
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



REVISION	
REVISION #	DATE
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VERTICAL JOINT
INSTALLATION SEQUENCE

DETAIL #: CI-VJ-03-VH

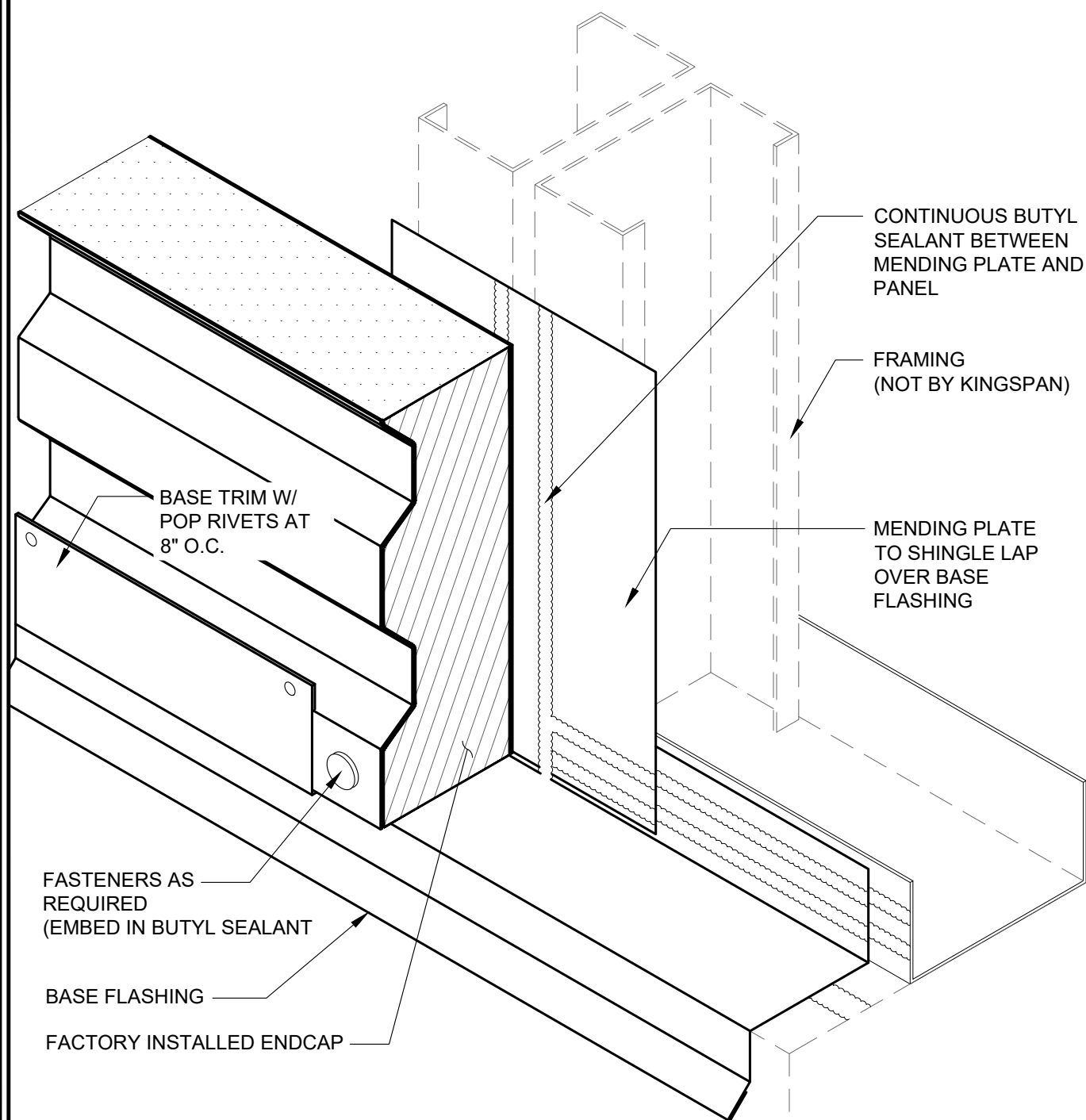
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



REVISION	
REVISION #	DATE
2	6/16/25

VERTICAL JOINT INSTALLATION SEQUENCE

DETAIL #: CI-VJ-04-VH

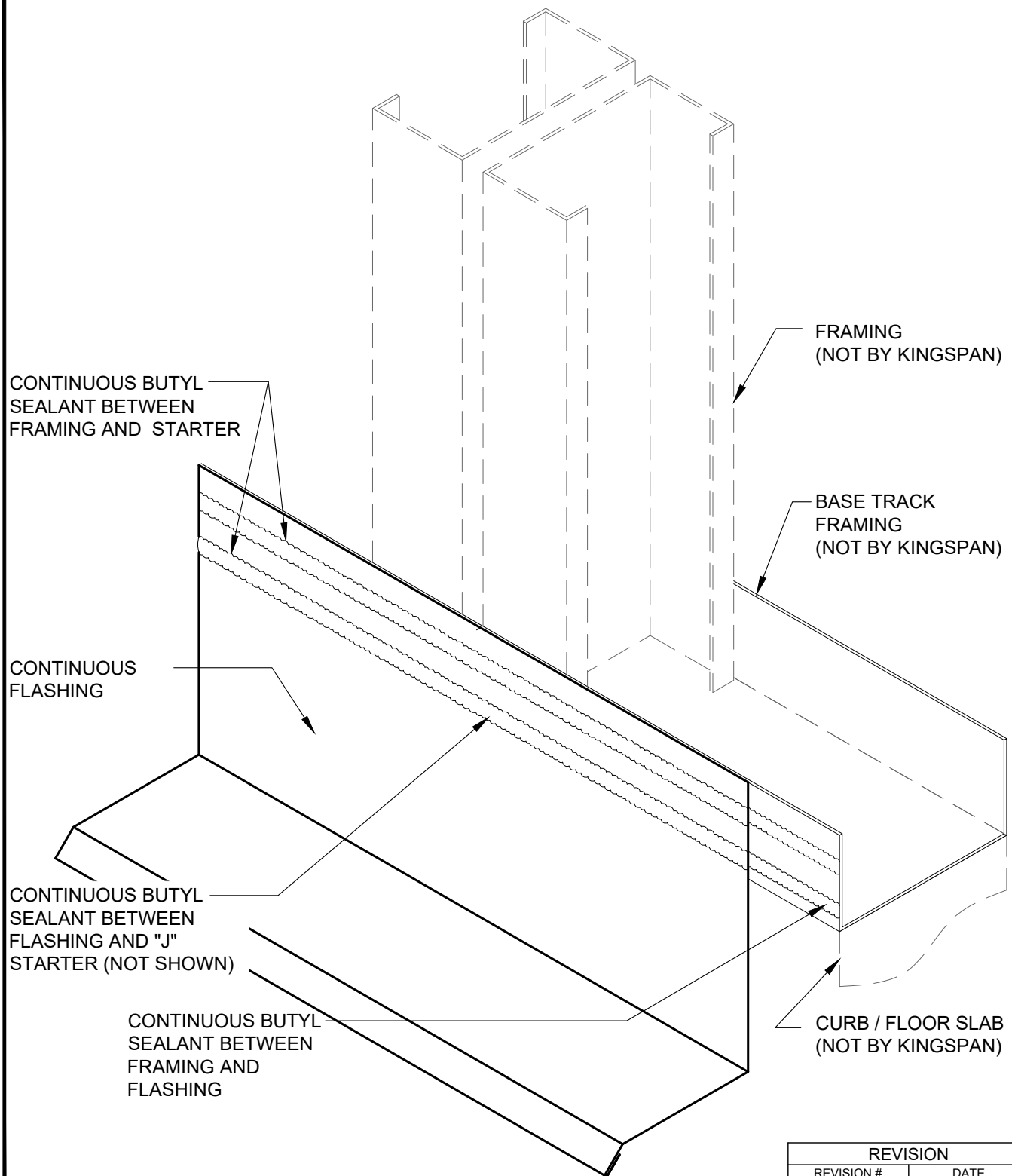
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



REVISION	
REVISION #	DATE
2	6/16/25

VERTICAL JOINT INSTALLATION SEQUENCE

DETAIL #: CI-VJ-05-VH

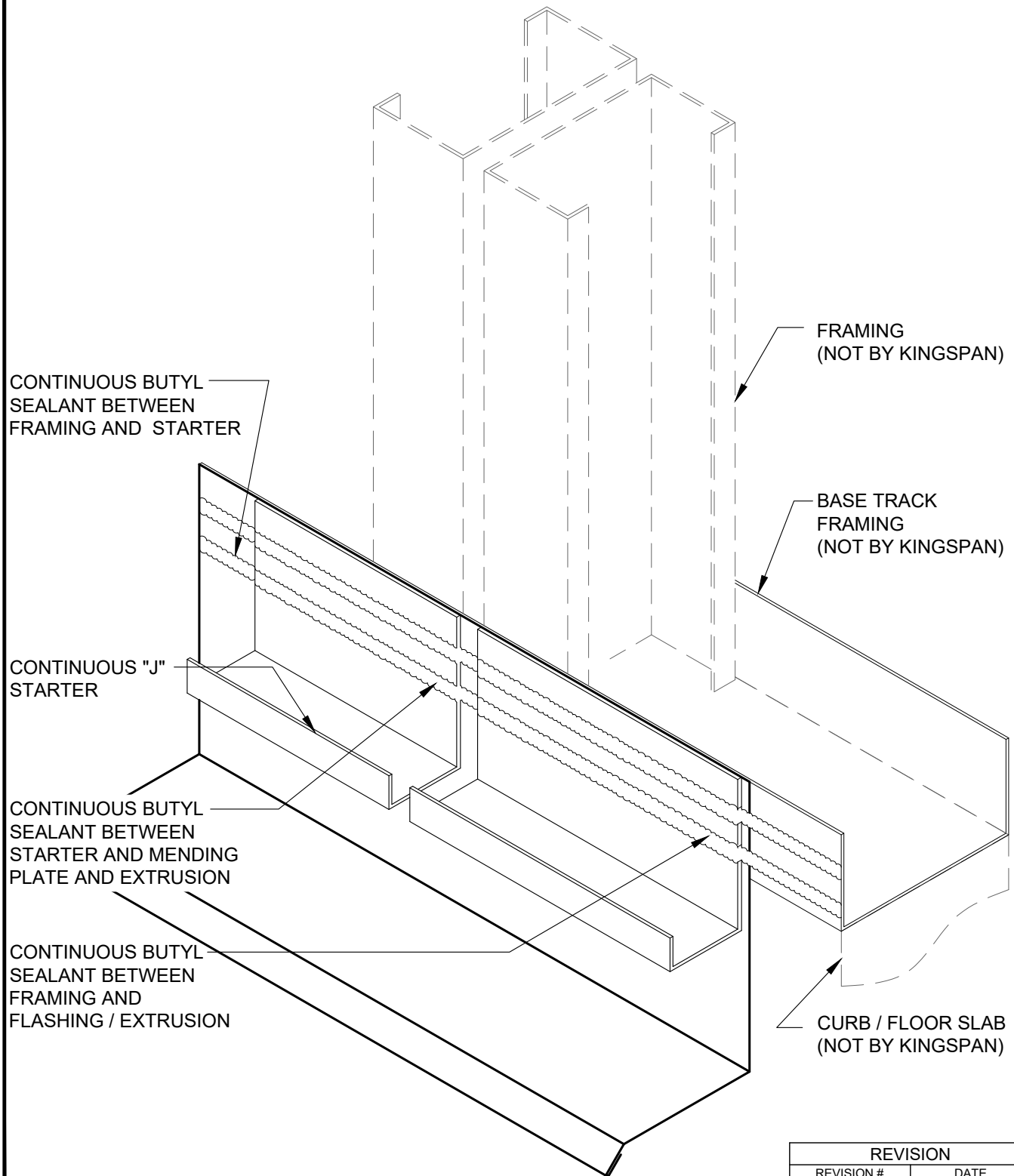
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



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VERTICAL JOINT INSTALLATION SEQUENCE

DETAIL #: CI-VJ-06-VH

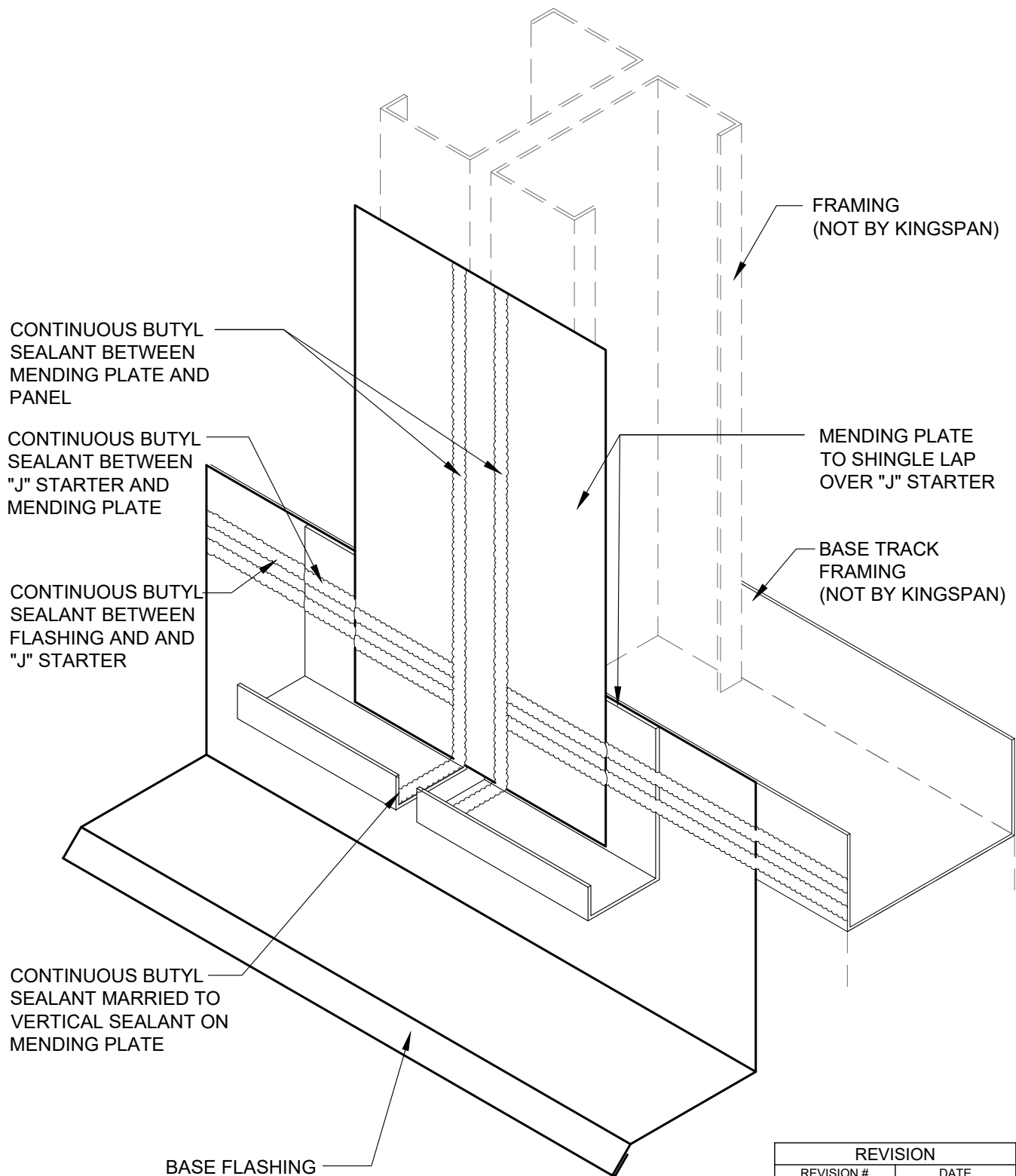
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



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VERTICAL JOINT W/ "J"
STARTER
INSTALLATION

DETAIL #: CI-VJ-07-VH

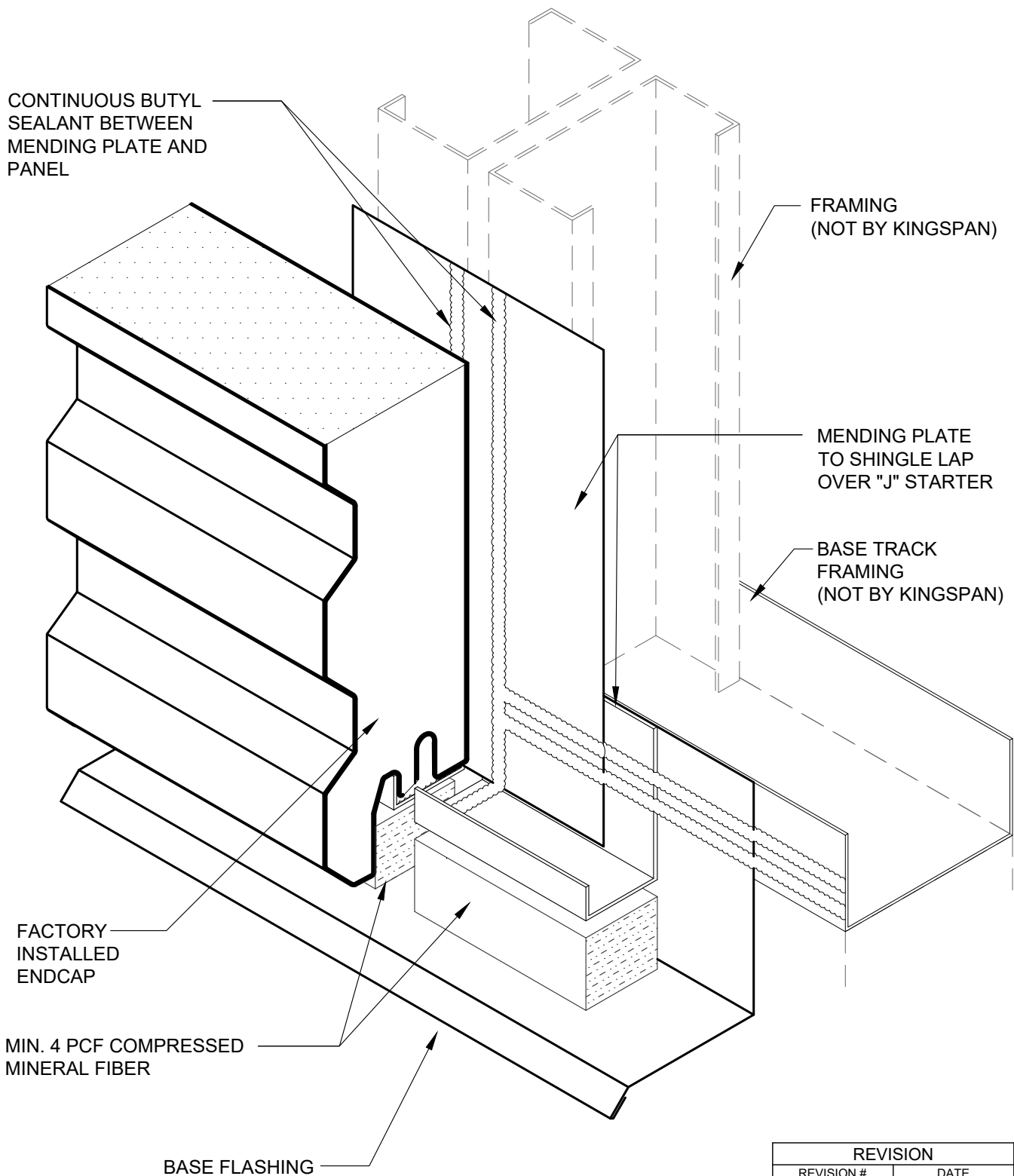
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



REVISION	
REVISION #	DATE
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VERTICAL JOINT W/ "J"
STARTER
INSTALLATION

DETAIL #: CI-VJ-08-VH

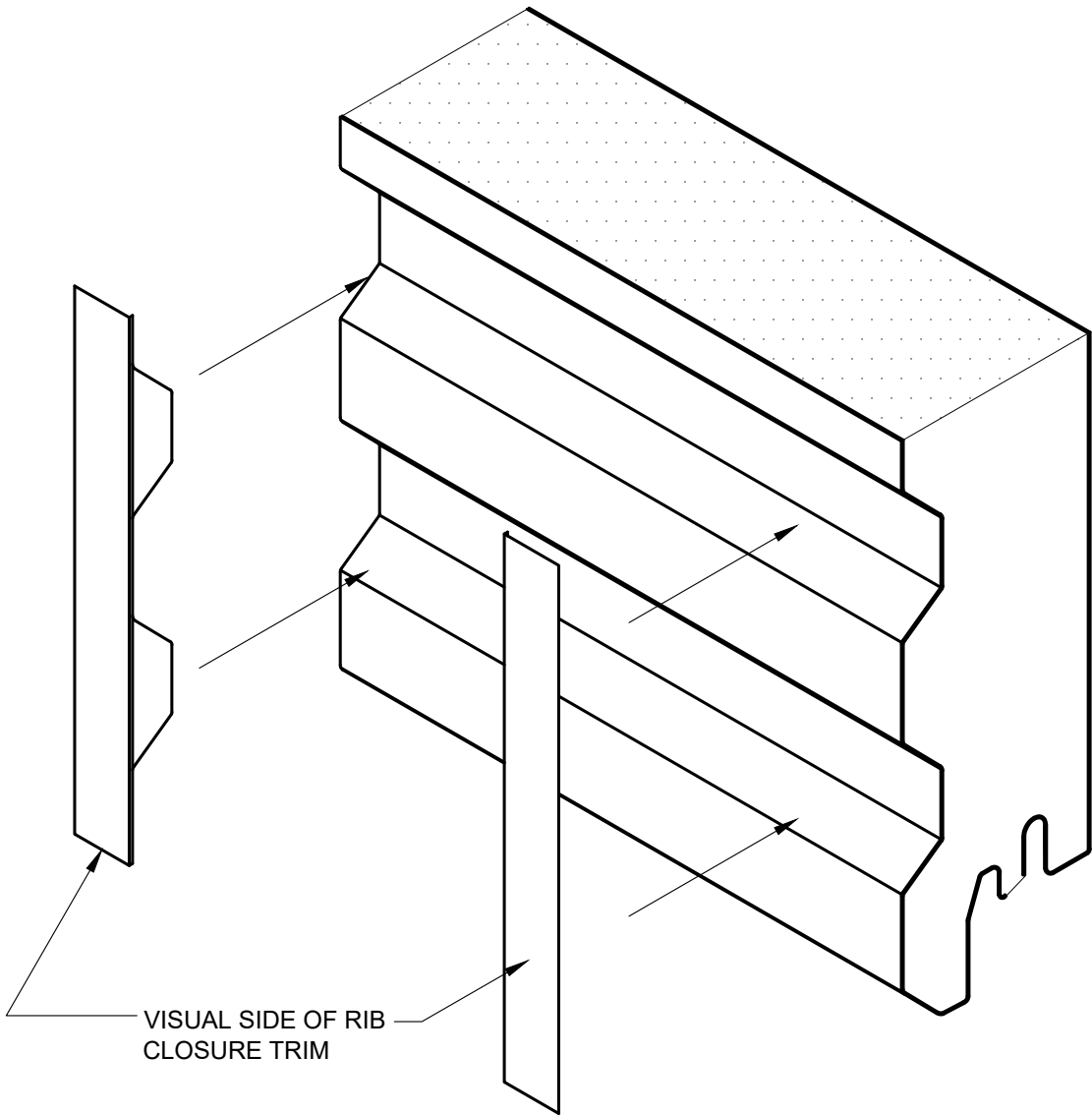
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



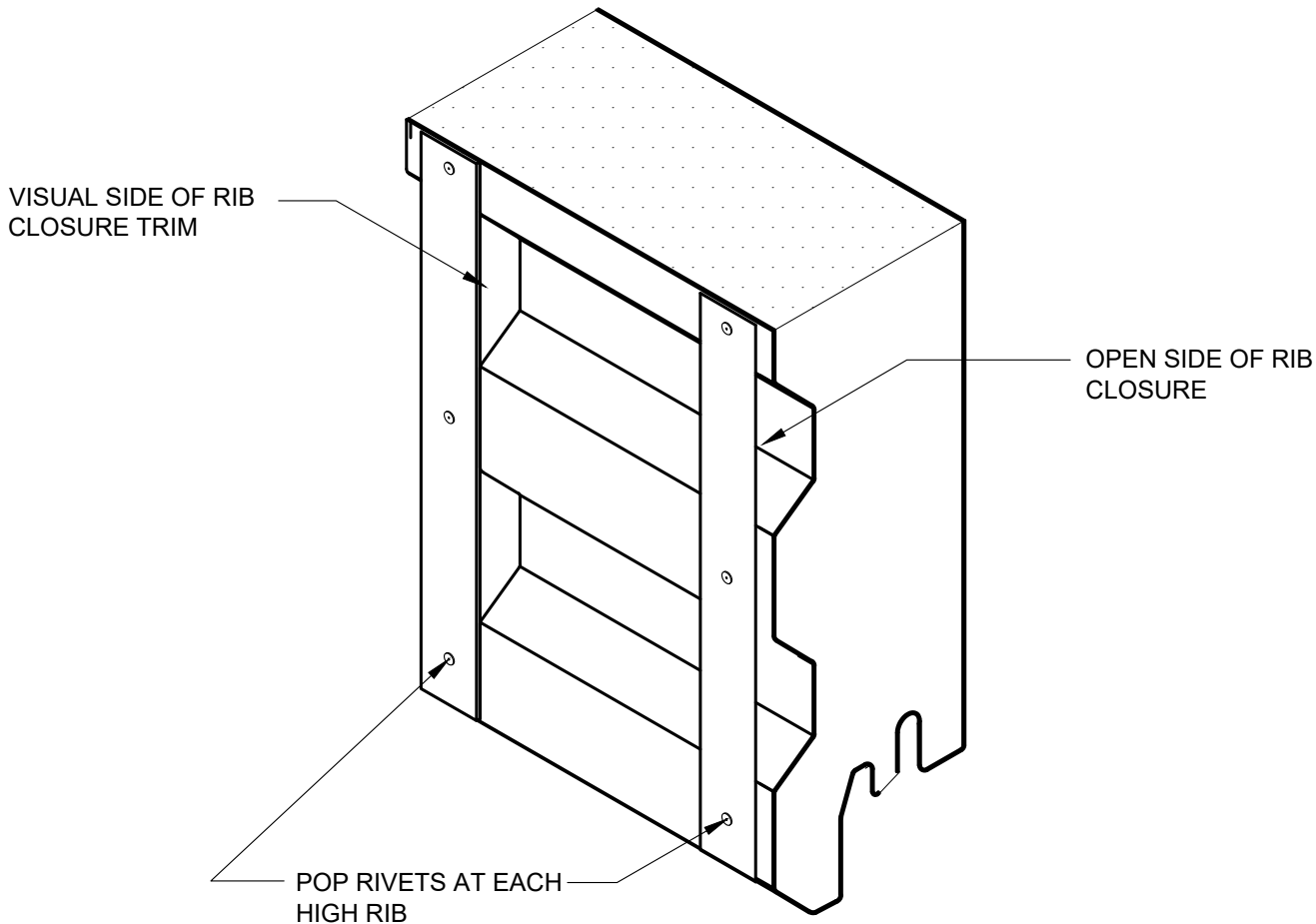
REVISION	
REVISION #	DATE
2	6/16/25

METAL CLOSURE
INSTALLATION

DETAIL #: CI-CL-01-VH
RELEASE: 2024
REGION: NORTH AMERICA
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QUADCORE B VALE - HORIZONTAL PANEL



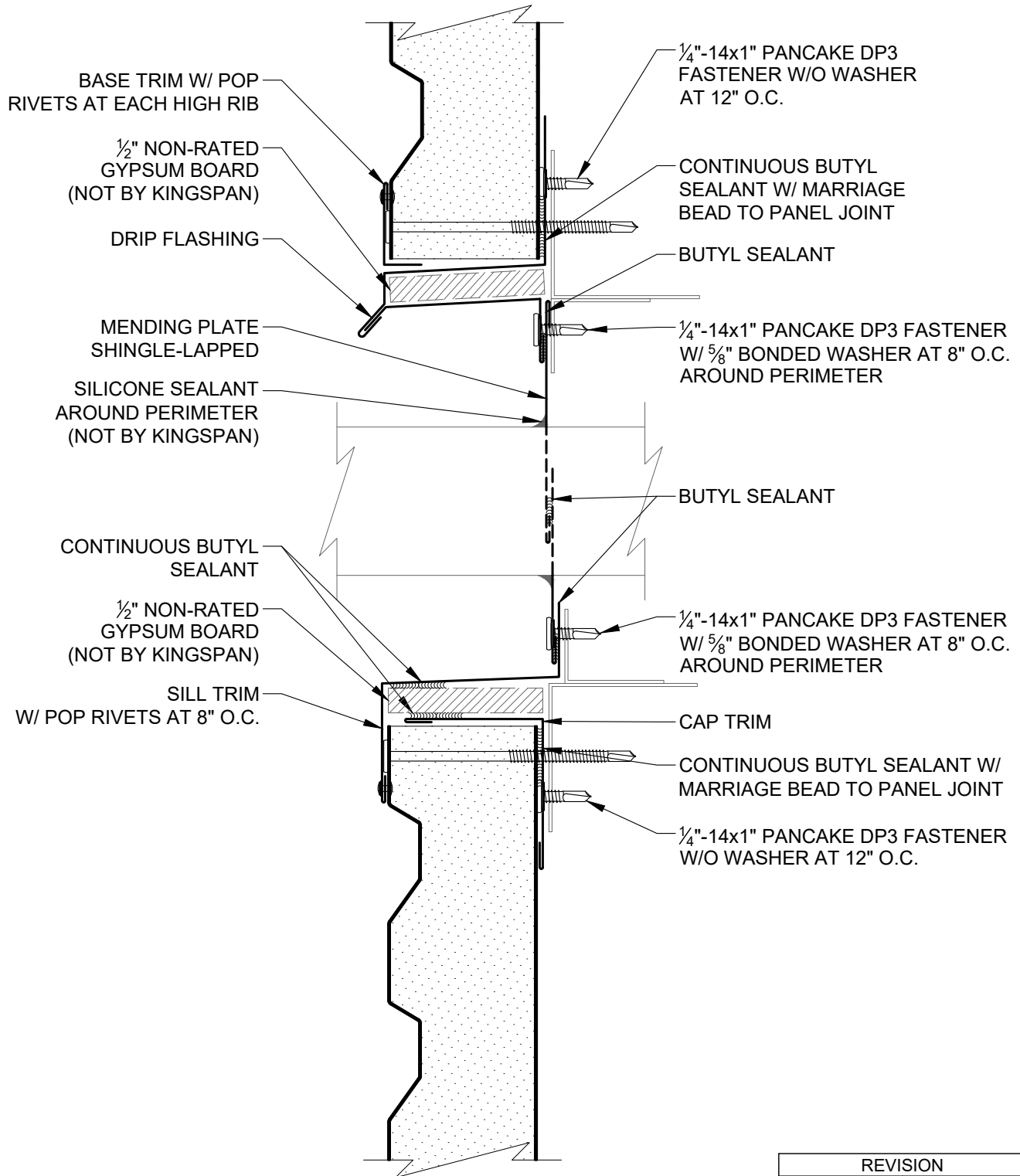
REVISION	
REVISION #	DATE
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METAL CLOSURE INSTALLATION

DETAIL #: CI-CL-03-VH
RELEASE: 2024
REGION: NORTH AMERICA
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QUADCORE B VALE - HORIZONTAL PANEL



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PIPE PENETRATION -
HEAD AND SILL

DETAIL #: CI-PE-01-VH

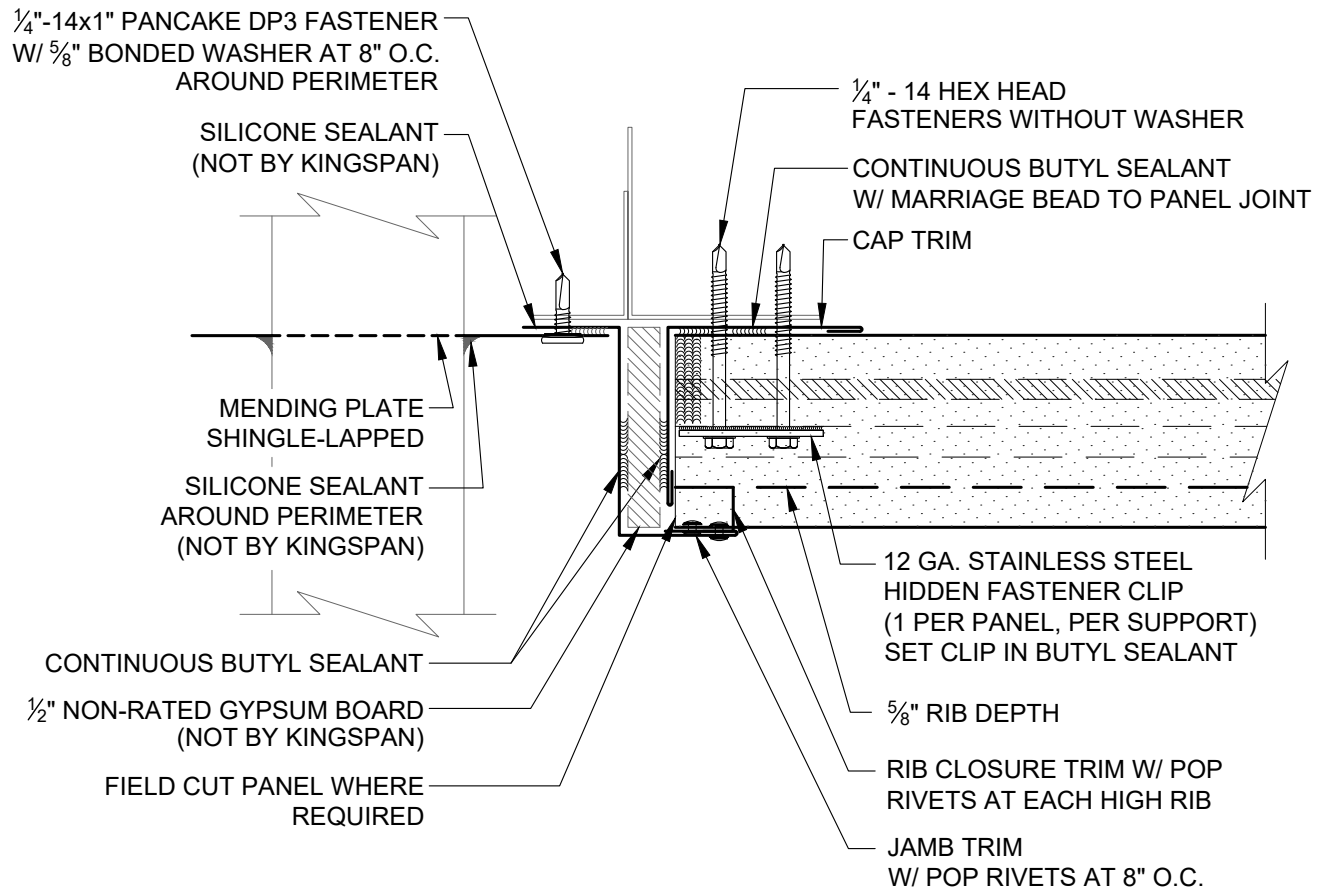
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



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REVISION #	DATE
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PIPE PENETRATION -
JAMB

DETAIL #: CI-PE-02-VH

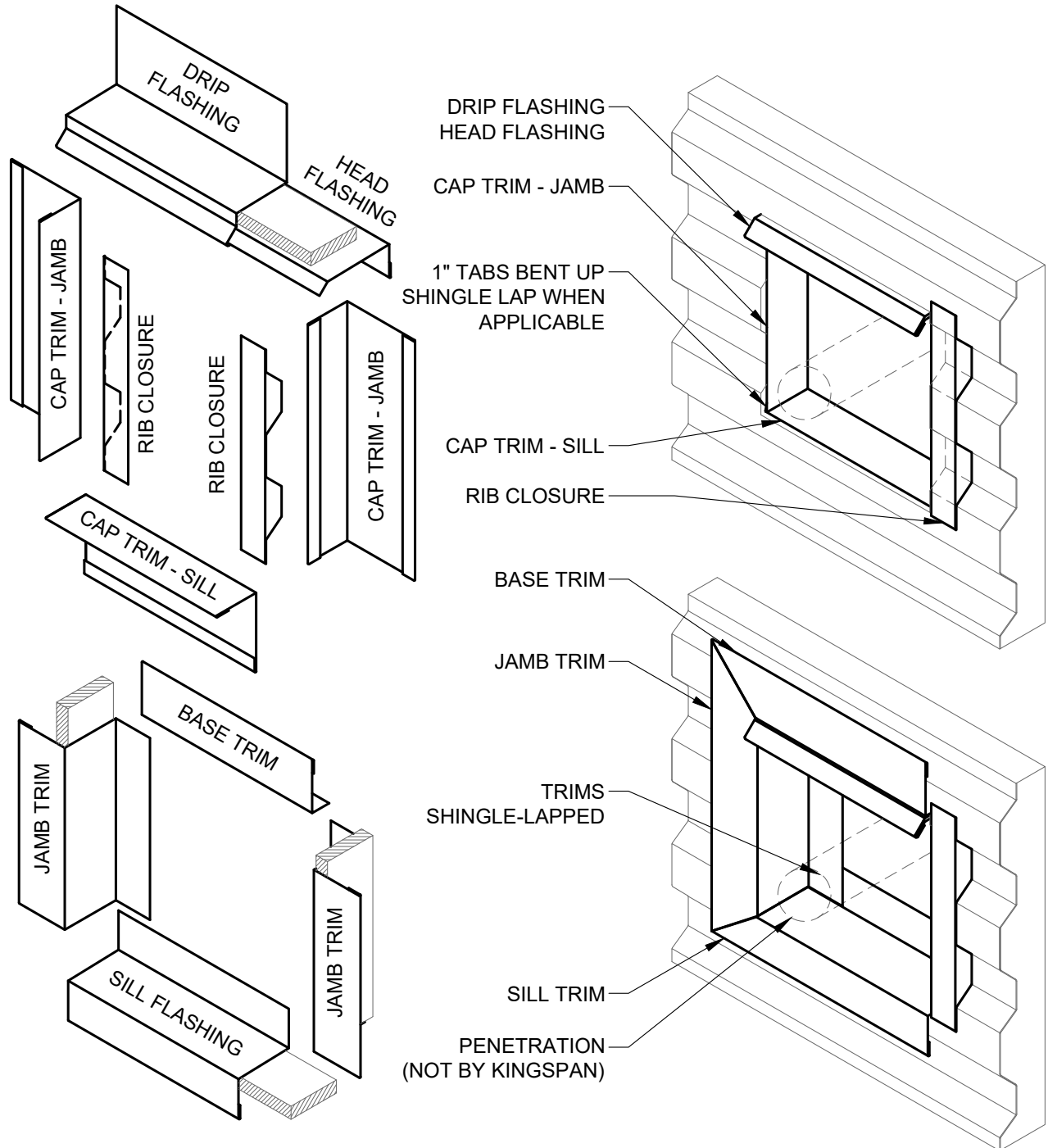
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



NOTE: FOR SEALANTS AND FASTENING REQUIREMENTS, SEE DETAILS CI-PE-01-VV TO CI-PE-02-VV.

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PIPE PENETRATION -
ISOMETRIC

DETAIL #: CI-PE-03-VH

RELEASE: 2024

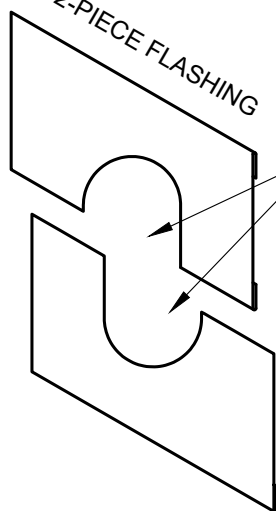
REGION: NORTH AMERICA

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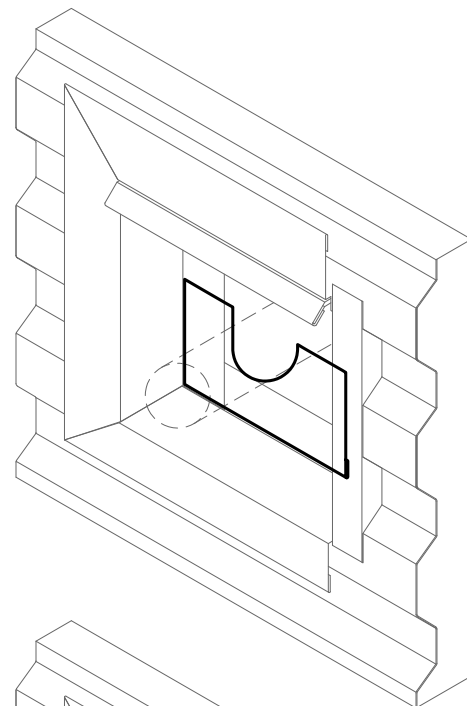


QUADCORE B VALE - HORIZONTAL PANEL

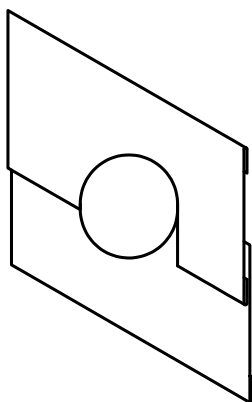
2-PIECE FLASHING



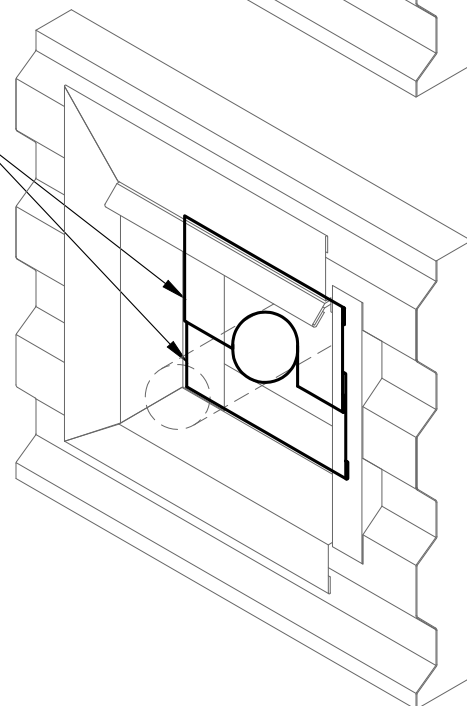
TRIM W/ HOLES CUT
FOR CLOSE FIT AND
WATERPROOF SEAMS



2-PIECE FLASHING
W/ 1/2" HEM. BED SEAL TO TRIMS
W/ SILICONE SEALANT
(FIELD FABRICATED FROM
FLATSTOCK)



1" LAP MIN.



NOTE: FOR SEALANTS AND FASTENING REQUIREMENTS,
SEE DETAILS CI-PE-01-VV TO CI-PE-02-VV.

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PIPE PENETRATION -
ISOMETRIC

DETAIL #: CI-PE-04-VH

RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL

2-PIECE FLASHING

TRIM W/ HOLES CUT
FOR CLOSE FIT AND
WATERPROOF SEAMS

2-PIECE FLASHING
W/ 1/2" HEM. BED SEAL TO TRIMS
W/ SILICONE SEALANT
(FIELD FABRICATED FROM
FLATSTOCK)

1" LAP MIN.

NOTE: FOR SEALANTS AND FASTENING REQUIREMENTS,
SEE DETAILS CI-PE-01-VV TO CI-PE-02-VV.

REVISION

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KNIFE PLATE
PENETRATION -
ISOMETRIC

DETAIL #: CI-PE-05-VH

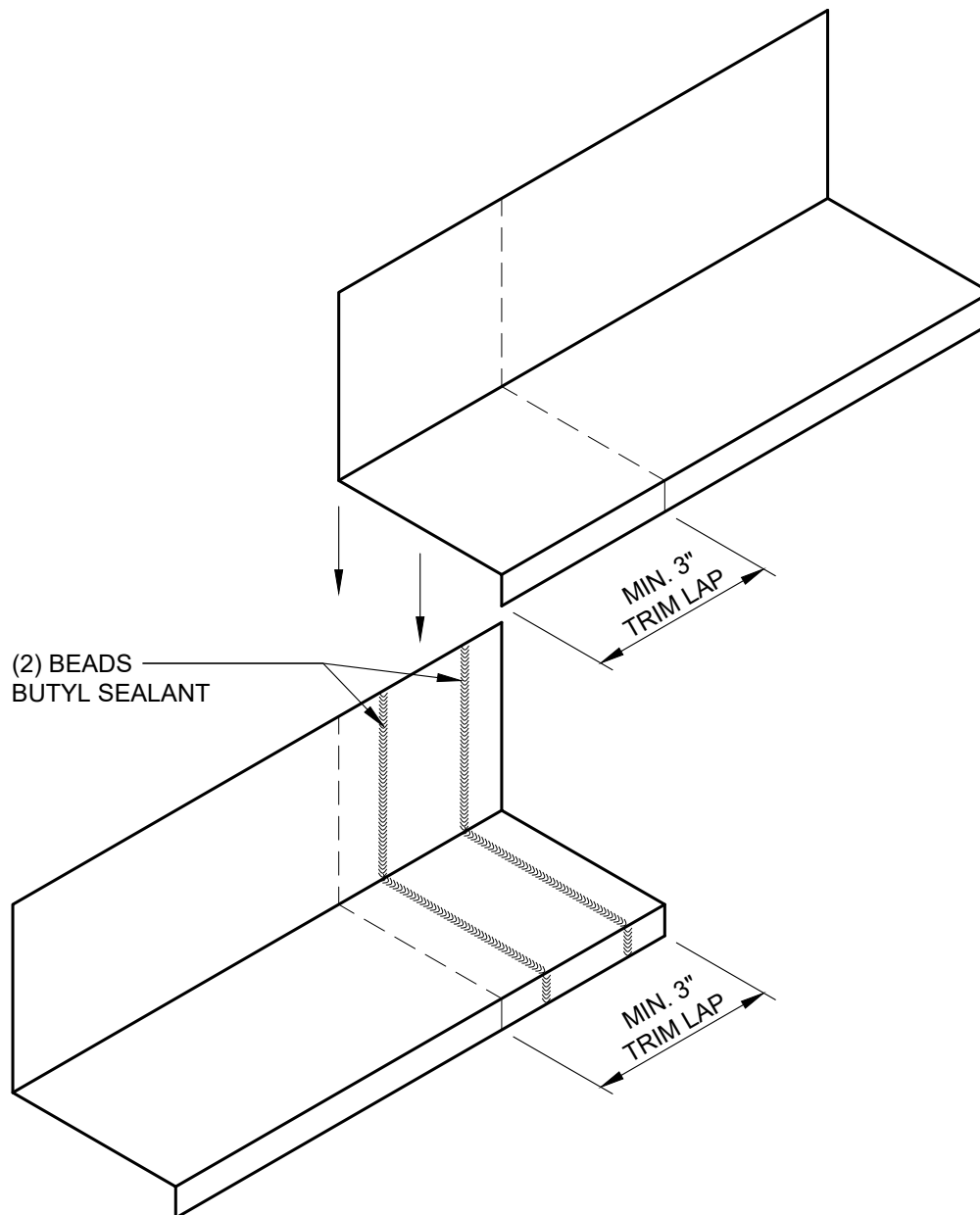
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



REVISION	
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TRIM LAP DETAILS
W/ DRIP EDGE

DETAIL #: CI-TL-01-VH

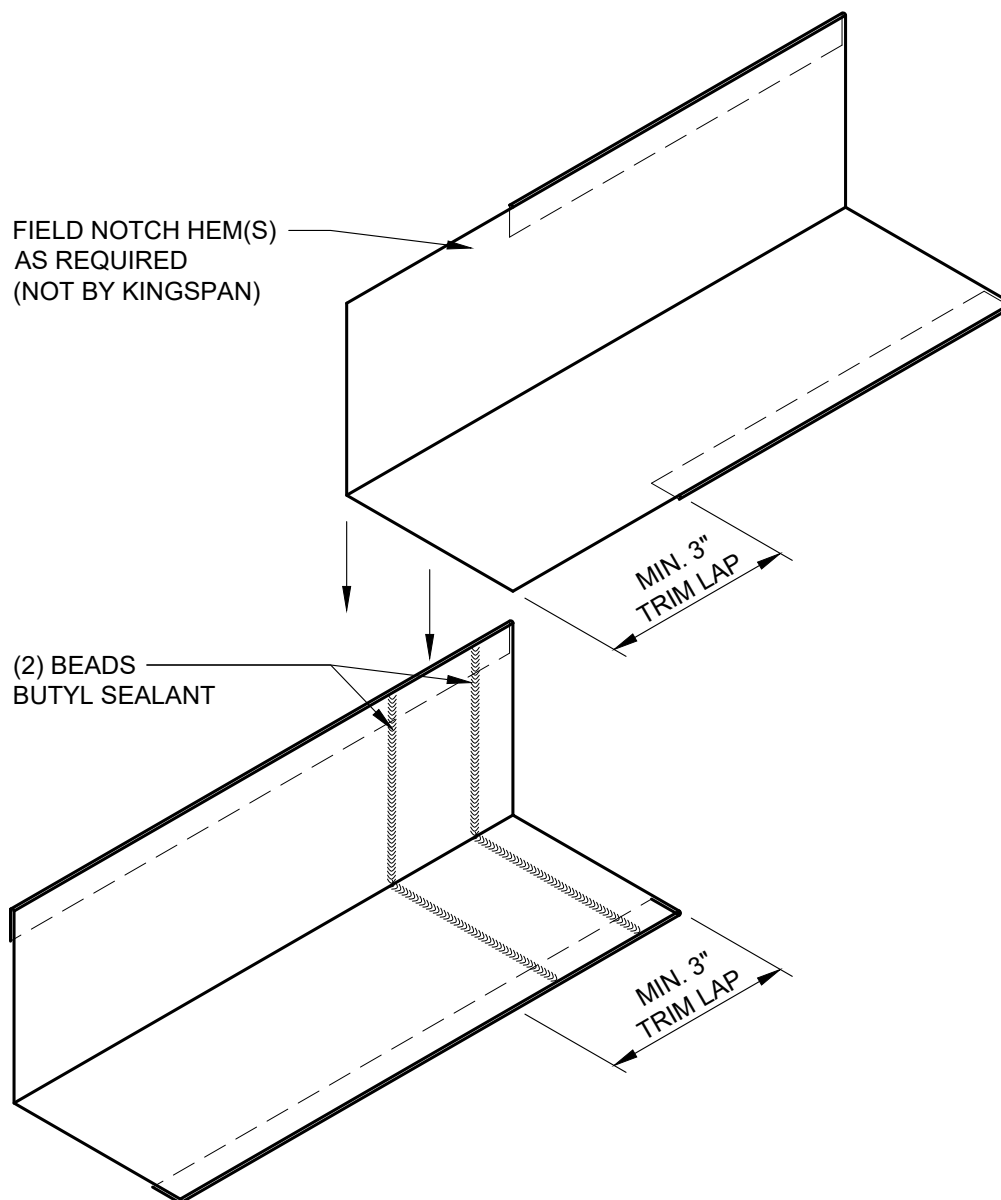
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



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REVISION #	DATE
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TRIM LAP DETAILS
W/ HEM

DETAIL #: CI-TL-02-VH

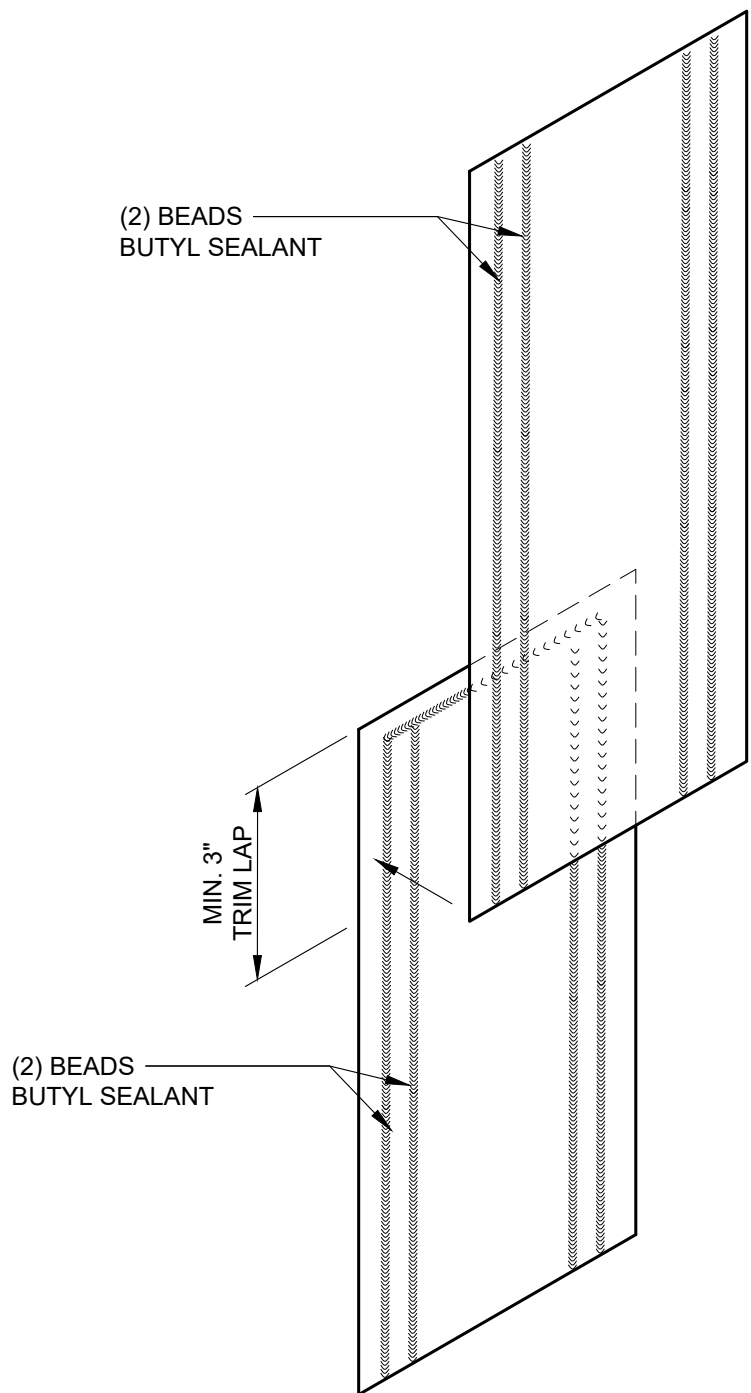
RELEASE: 2024

REGION: NORTH AMERICA

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QUADCORE B VALE - HORIZONTAL PANEL



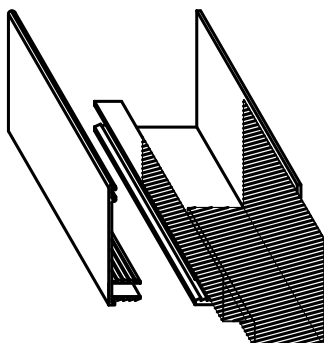
REVISION	
REVISION #	DATE
2	6/16/25

MENDING PLATE
SHINGLE LAP

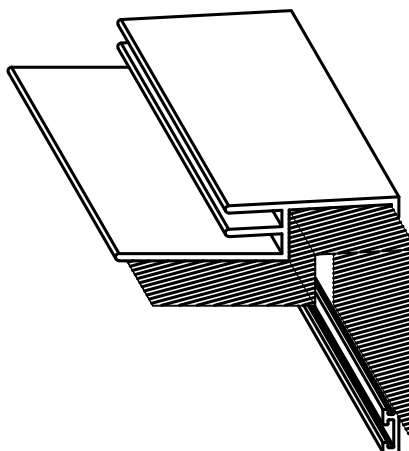
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RELEASE: 2024
REGION: NORTH AMERICA
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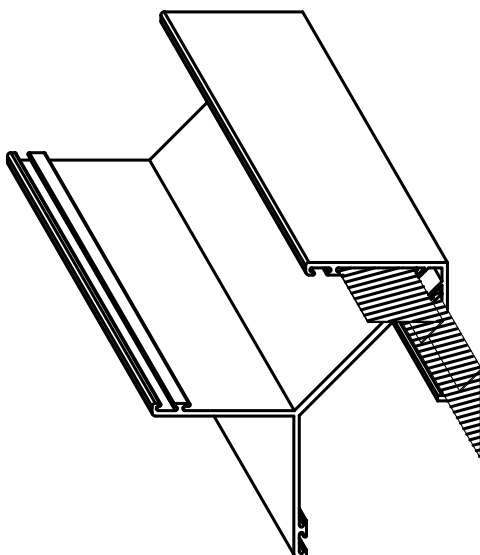
QUADCORE B VALE - HORIZONTAL PANEL



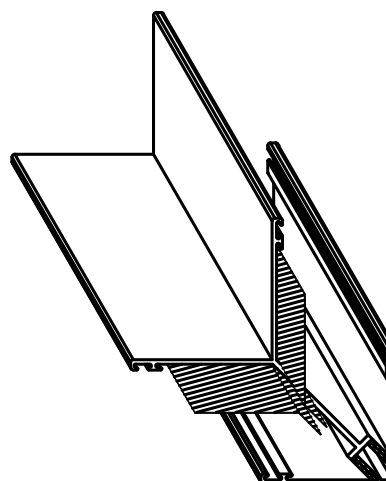
LAP STRIP FOR TWO PIECE
JAMB EXTRUSION



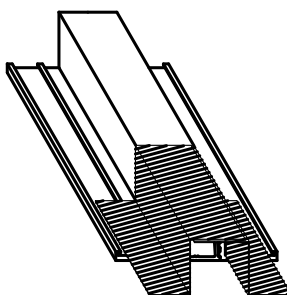
LAP STRIP FOR PARAPET EXTRUSION



LAP STRIPS FOR OUTSIDE CORNER
EXTRUSION



LAP STRIPS FOR INSIDE CORNER
EXTRUSION



LAP STRIP FOR VERTICAL HAT EXTRUSION

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MENDING PLATE
EXTRUSIONS

DETAIL #: CI-TL-04-VH

RELEASE: 2024

REGION: NORTH AMERICA

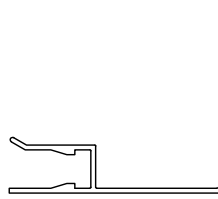
www.kingspanpanels.com



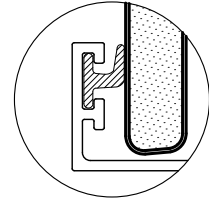
QUADCORE B VALE - HORIZONTAL PANEL



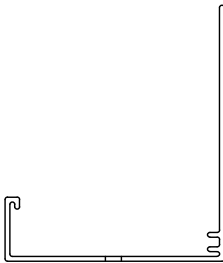
TWO PIECE OPENING
EXTRUSION CAP
PART # 2-0215



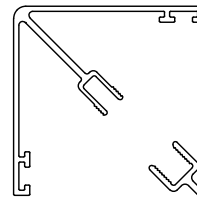
3" TWO PIECE OPENING
EXTRUSION BASE
PART # 2-0269



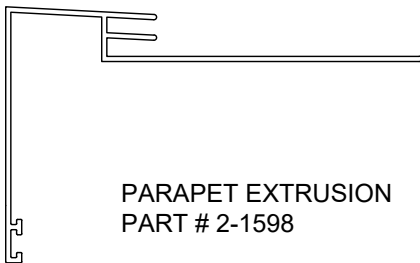
OPTIONAL WIPER
GASKET
(FIELD INSTALLED)



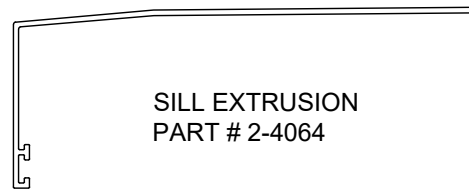
3" CORNER
MALE EXTRUSION
PART # 2-4083



3" CORNER
FEMALE EXTRUSION
PART # 2-4000



PARAPET EXTRUSION
PART # 2-1598



SILL EXTRUSION
PART # 2-4064

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KS SERIES
3" EXTRUSIONS

DETAIL #: CI-EX-01-VH

RELEASE: 2024

REGION: NORTH AMERICA

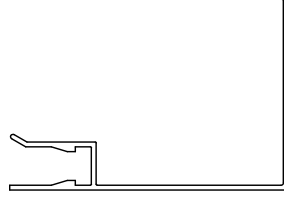
www.kingspanpanels.com



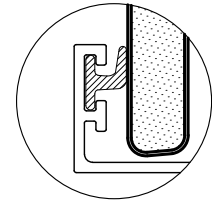
QUADCORE B VALE - HORIZONTAL PANEL



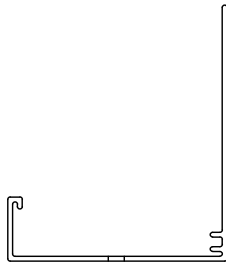
TWO PIECE OPENING
EXTRUSION CAP
PART # 2-0215



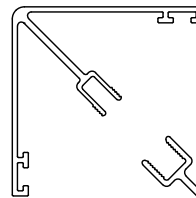
4" TWO PIECE OPENING
EXTRUSION BASE
PART # 2-4266



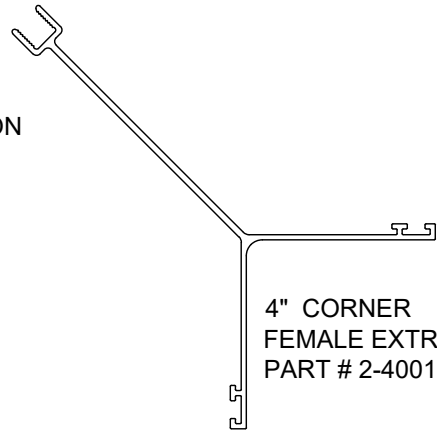
OPTIONAL WIPER
GASKET
(FIELD INSTALLED)



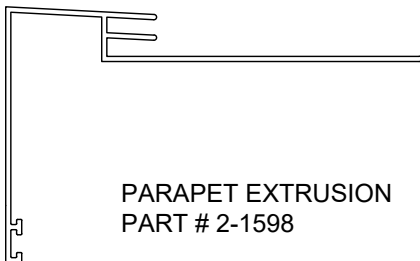
4" BASE "B" EXTRUSION
PART # 2-4097



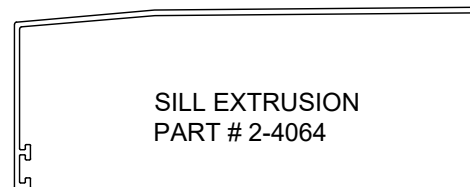
4" CORNER
MALE EXTRUSION
PART # 2-4083



4" CORNER
FEMALE EXTRUSION
PART # 2-4001



PARAPET EXTRUSION
PART # 2-1598



SILL EXTRUSION
PART # 2-4064

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KS SERIES
4" EXTRUSIONS

DETAIL #: CI-EX-02-VH

RELEASE: 2024

REGION: NORTH AMERICA

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