

VALE - VERTICAL INSTALL

REVISION

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CI-PP-02-VV	FOAM / METAL CLOSURES
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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.

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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ARCHITECTURAL
DISCLAIMER

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CORE DEPTHS:

3", 4"

MODULE WIDTH:

36"

EMBOSSING:

EXTERIOR: SMOOTH / EMBOSSED

INTERIOR: SMOOTH

LENGTHS:

MINIMUM: 2'-0"

MAXIMUM: 24'-0"

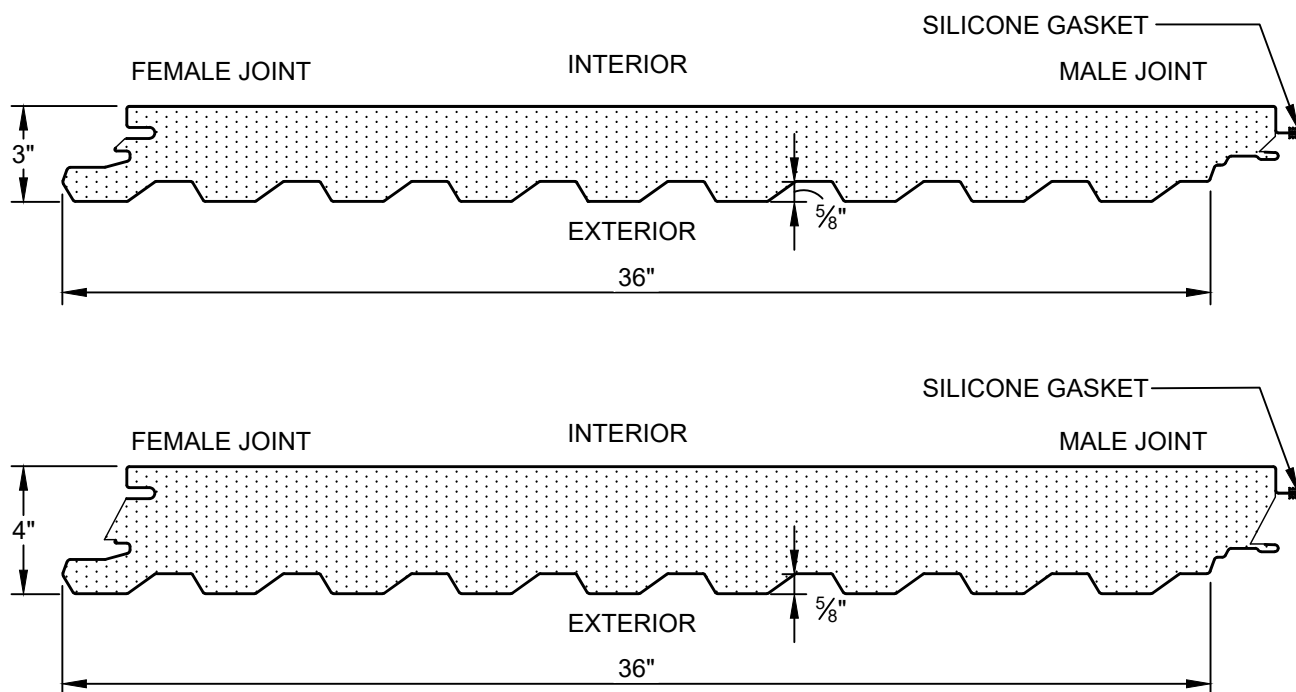
STEEL GAUGES:

EXTERIOR: 22

INTERIOR: 24

PANEL ORIENTATION:

VERTICAL



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PANEL PROFILES -
VERTICAL

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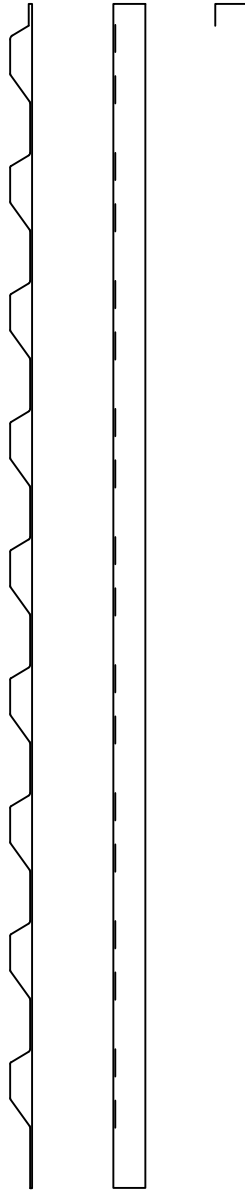


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METAL CLOSURE

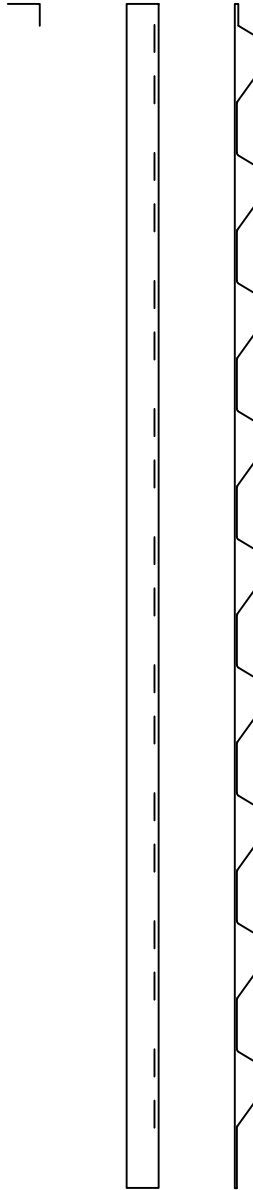
LEFT

SIDE VIEW TOP VIEW SECTION VIEW



RIGHT

SECTION VIEW TOP VIEW SIDE VIEW



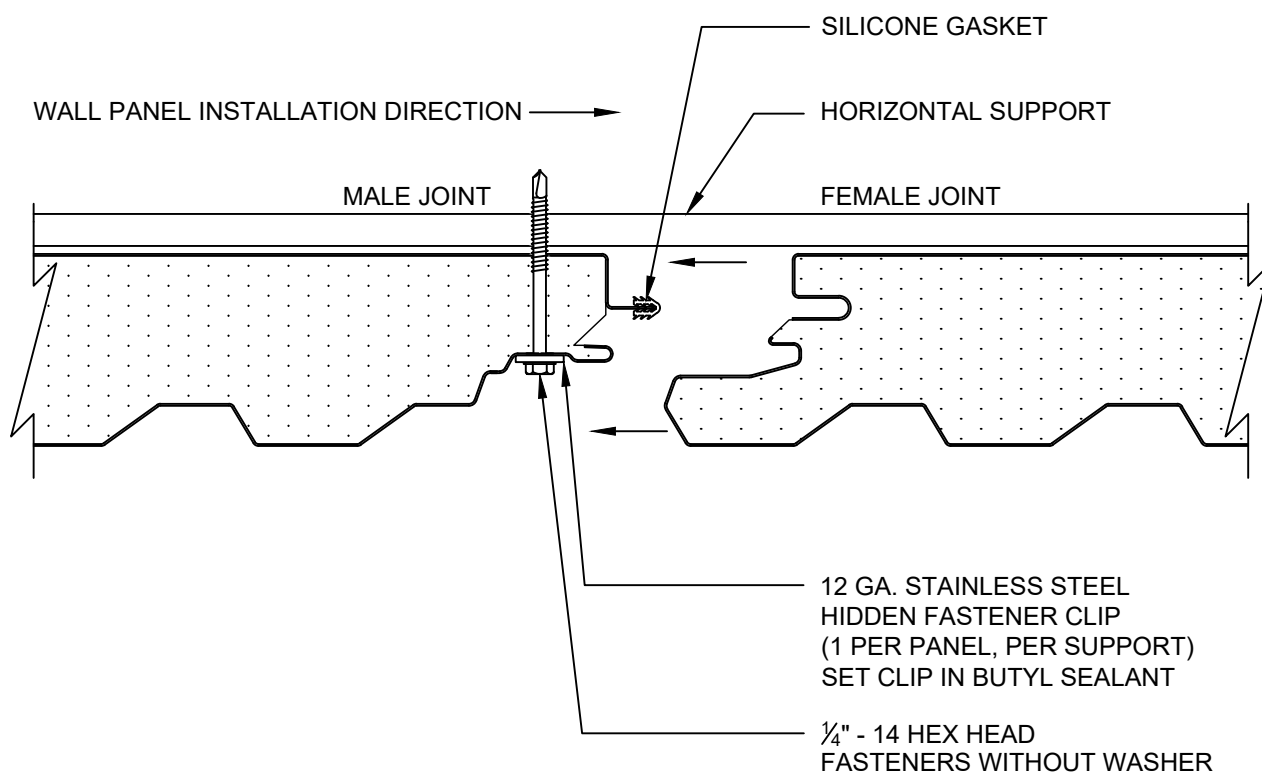
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METAL CLOSURE

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PANEL JOINT- EXPANDED

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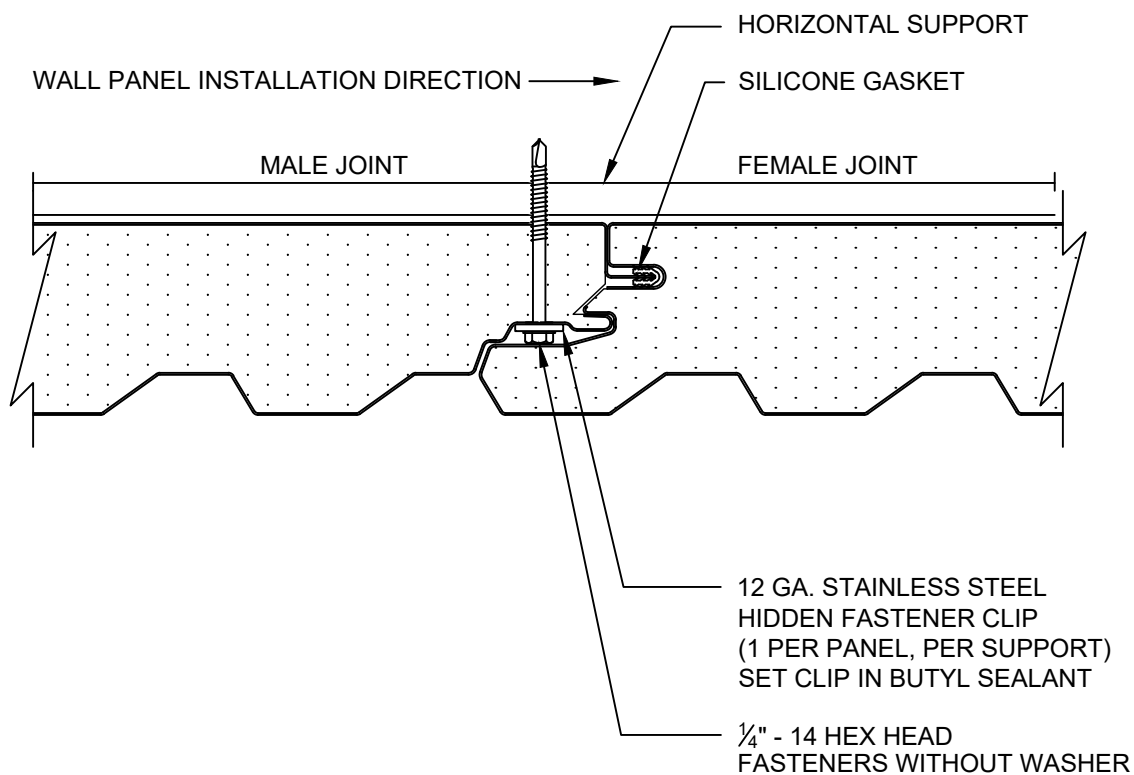
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PANEL JOINT- ENGAGED

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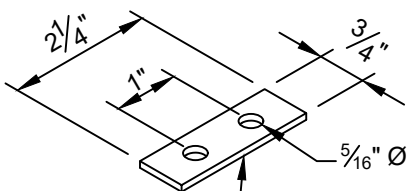
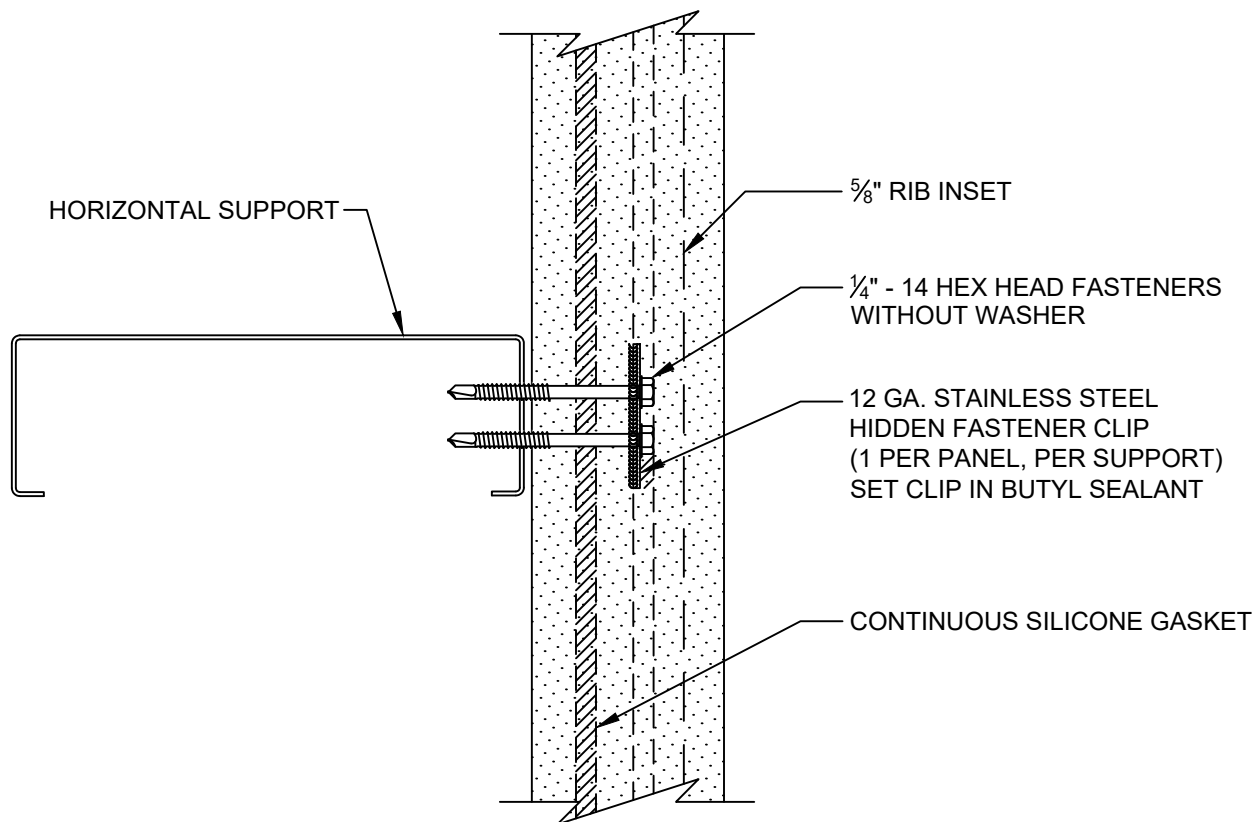
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STANDARD:
12 GA. STAINLESS STEEL
TWO-HOLE HIDDEN FASTENER CLIP

NOTE:
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PANEL JOINT-
INTERMEDIATE
FASTENING

DETAIL #: CI-PJ-03-VV

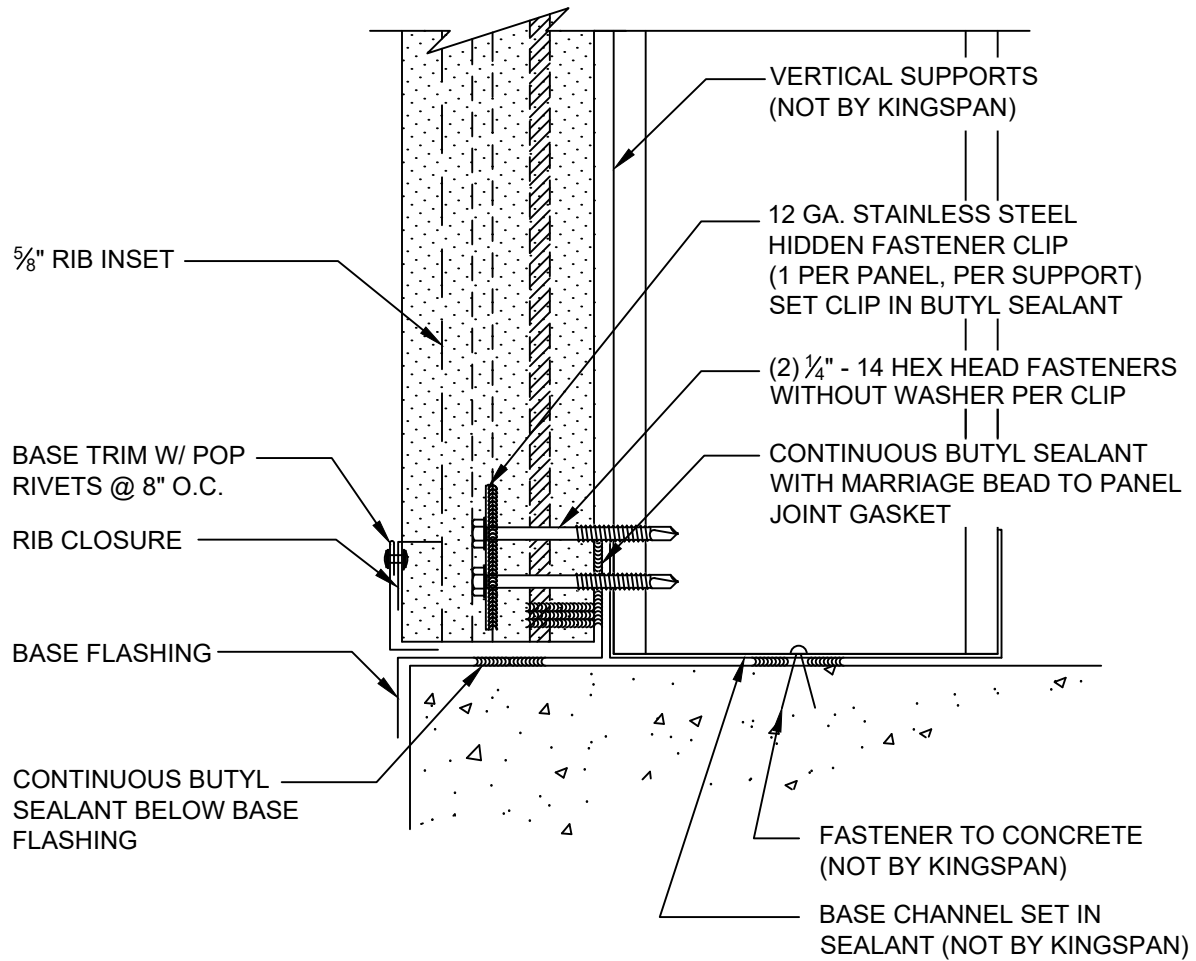
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FLUSH BASE DETAIL- W/
TRIM

DETAIL #: CI-BS-01-VV

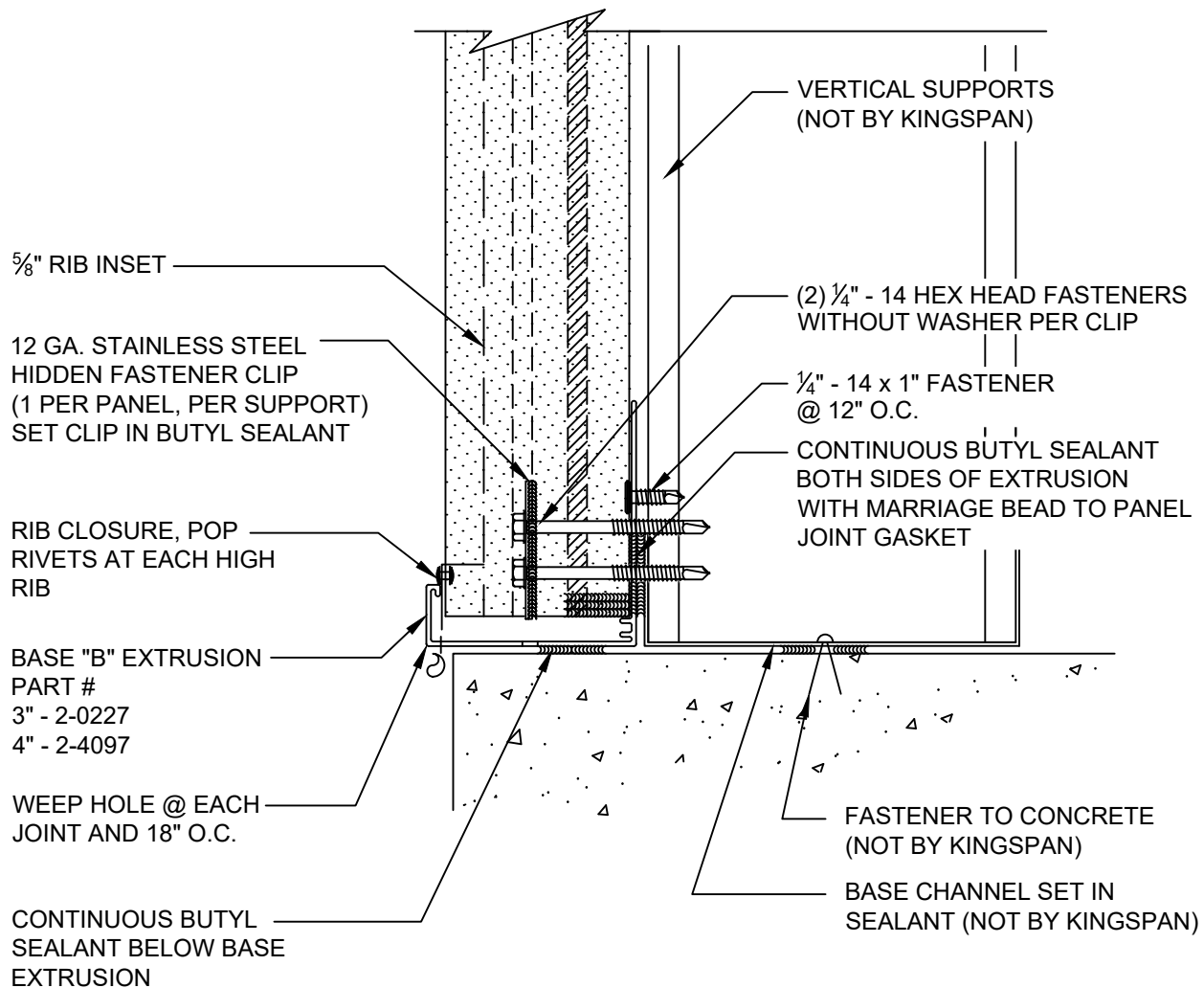
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FLUSH BASE DETAIL- W/
EXTRUSION

DETAIL #: CI-BS-02-VV

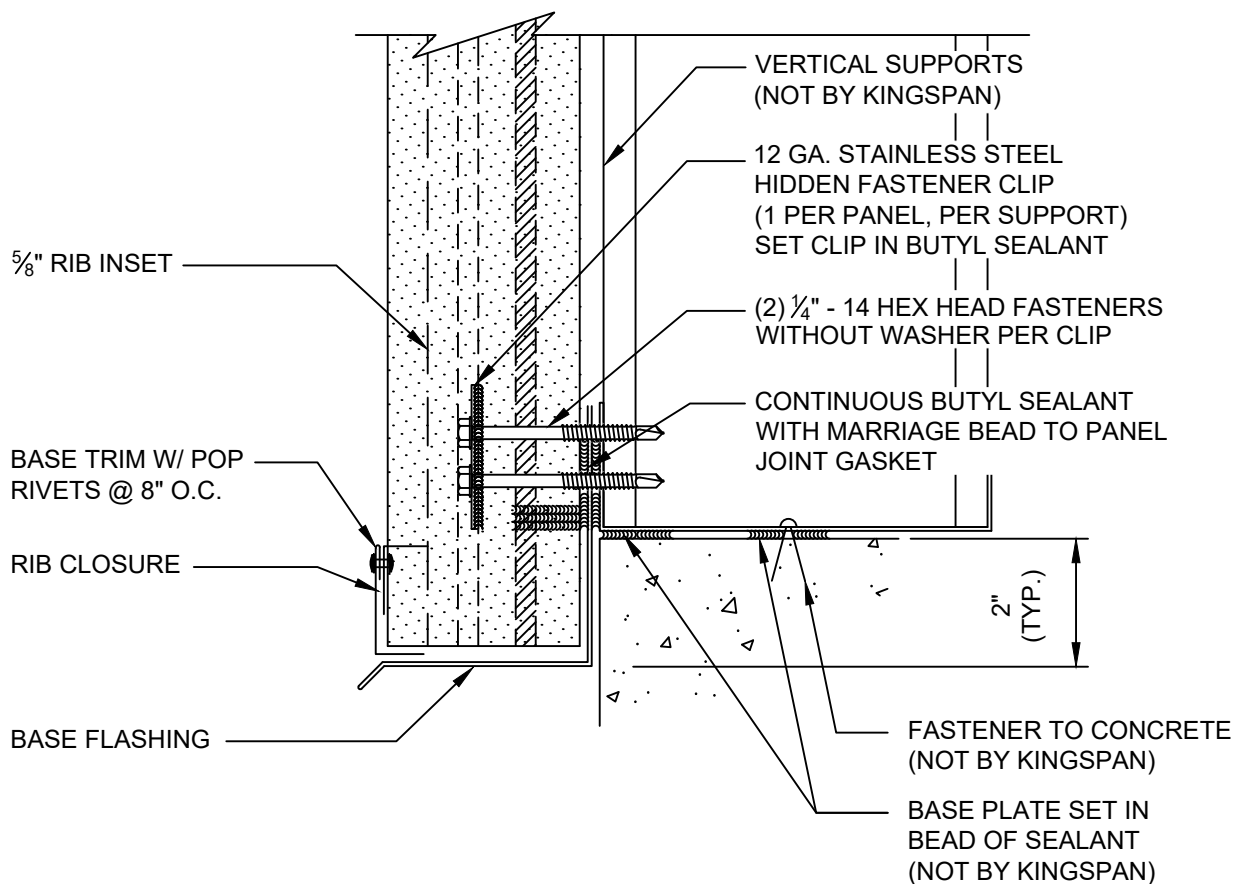
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OVERHANG CUT BASE -
WITH TRIM

DETAIL #: CI-BS-03-VV

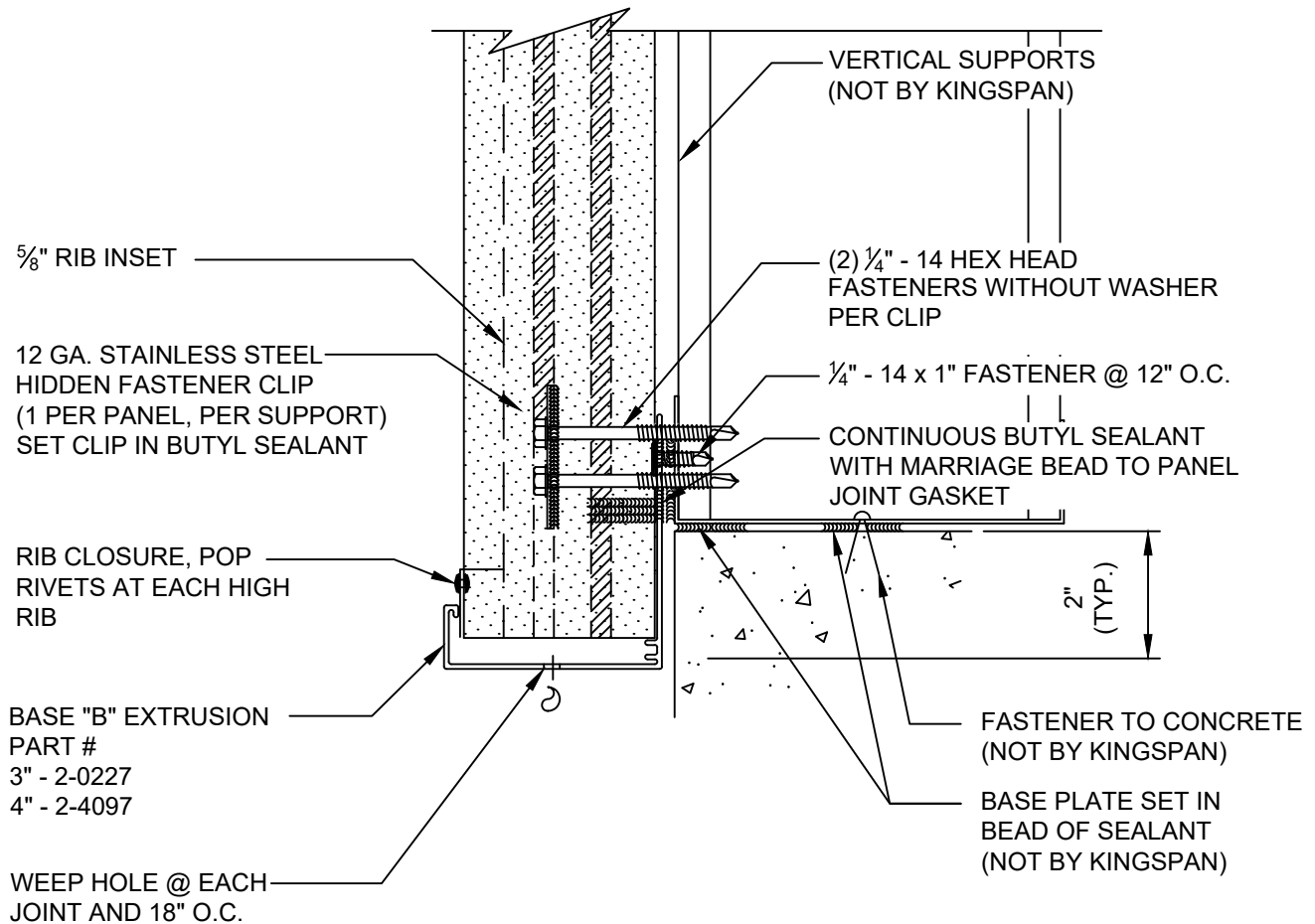
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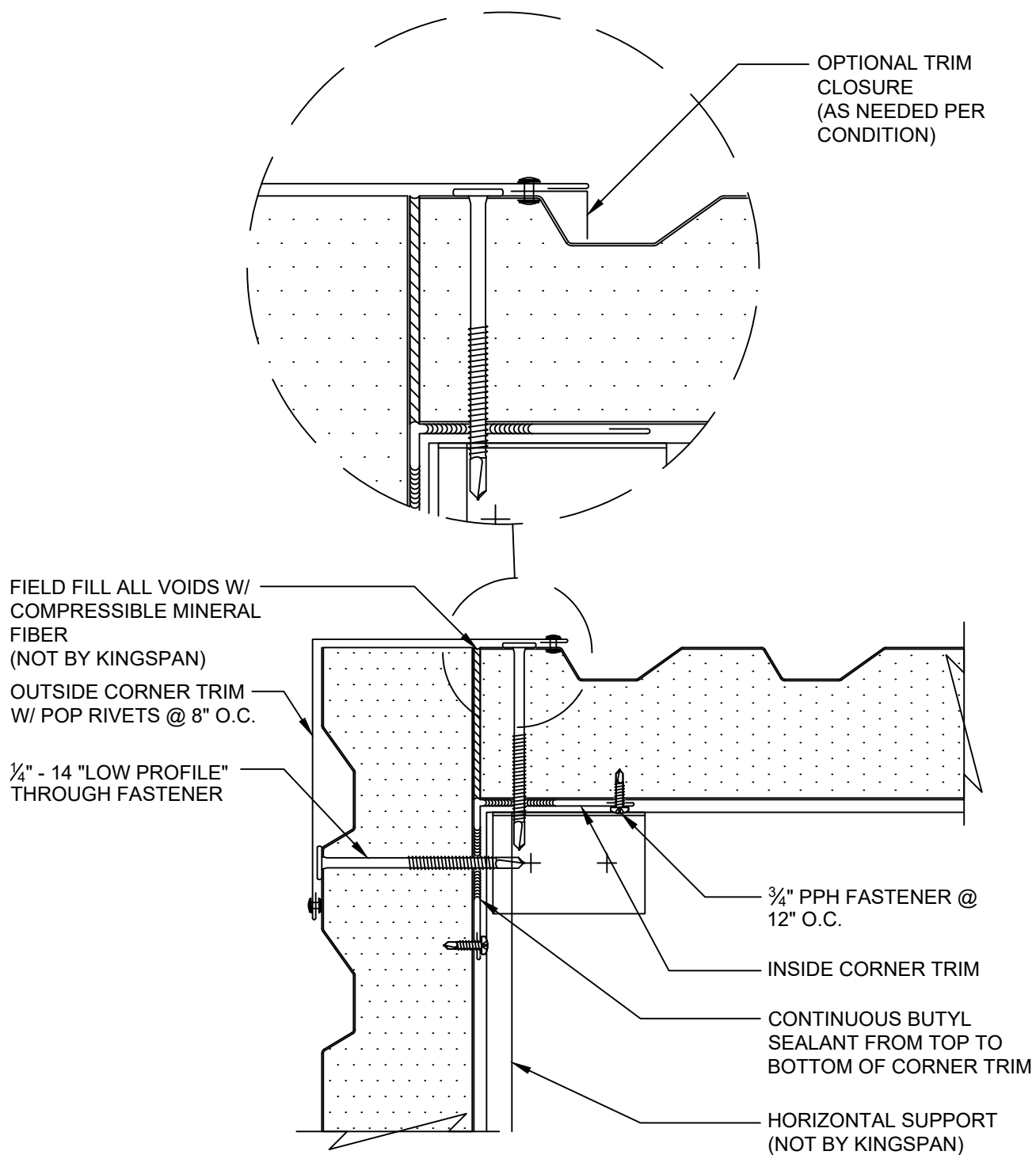
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OVERHANG CUT BASE - W/
EXTRUSION

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OUTSIDE CORNER
WITH TRIM

DETAIL #: CI-OC-01-VV

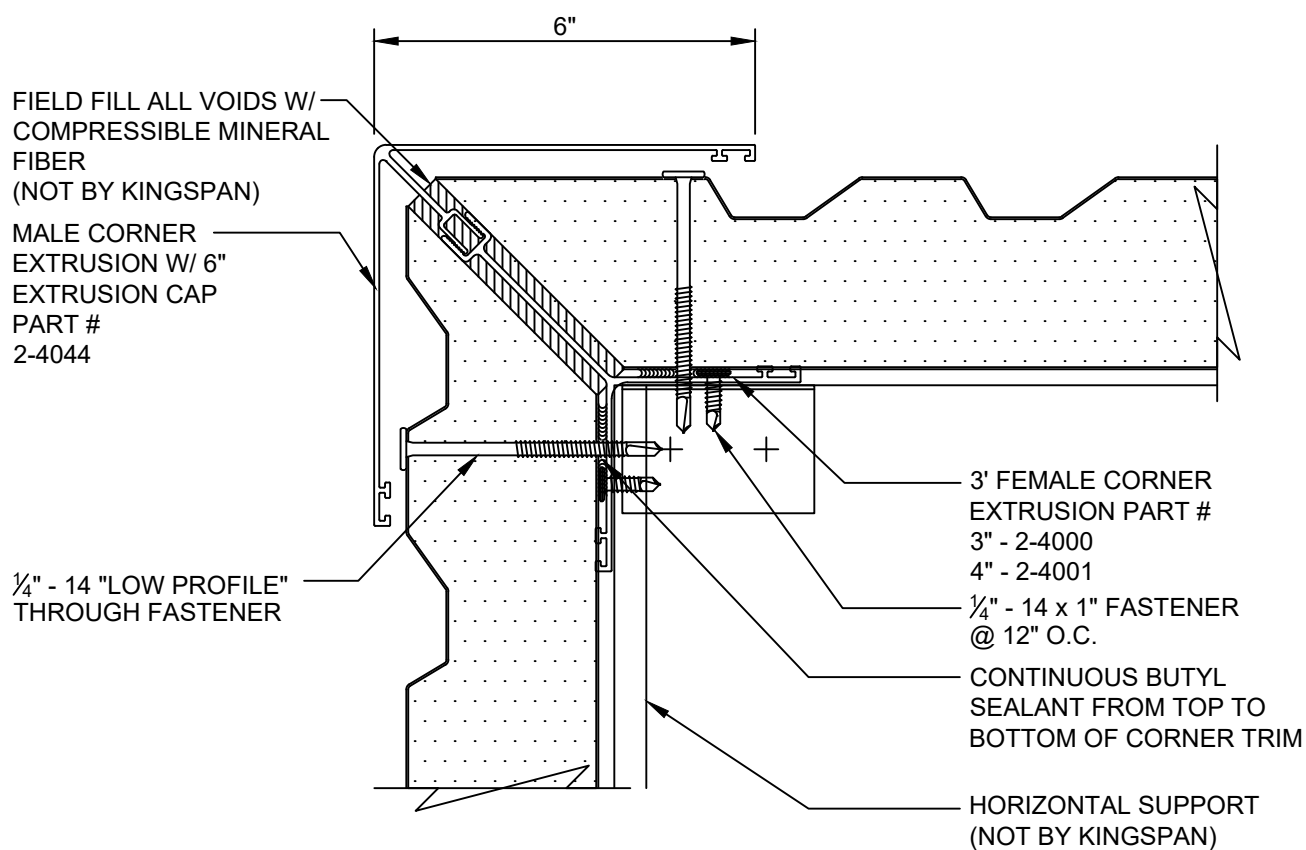
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OUTSIDE CORNER
WITH FLAT TRIM

DETAIL #: CI-OC-02-VV

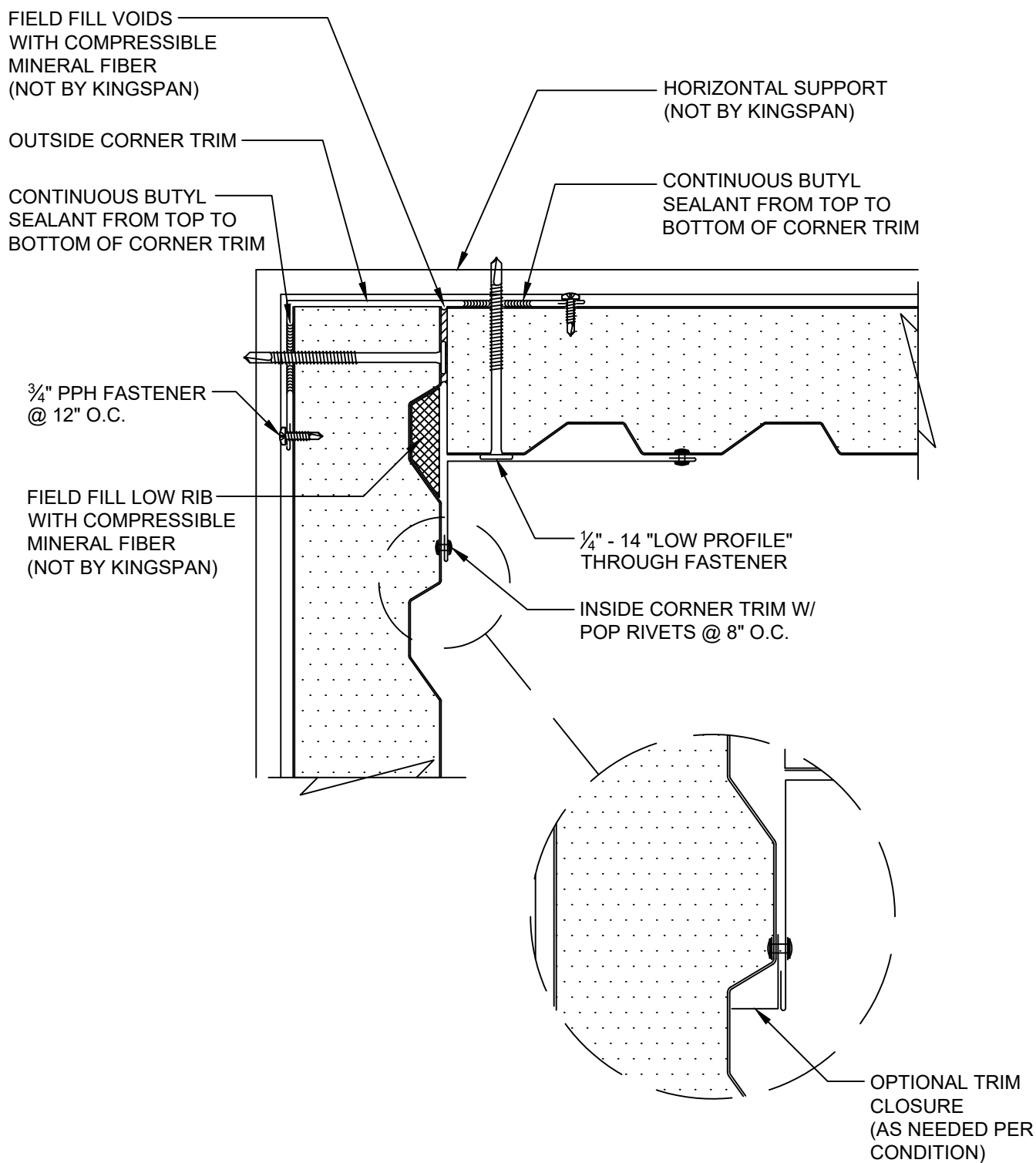
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INSIDE CORNER
WITH TRIM

DETAIL #: CI-IC-01-VV

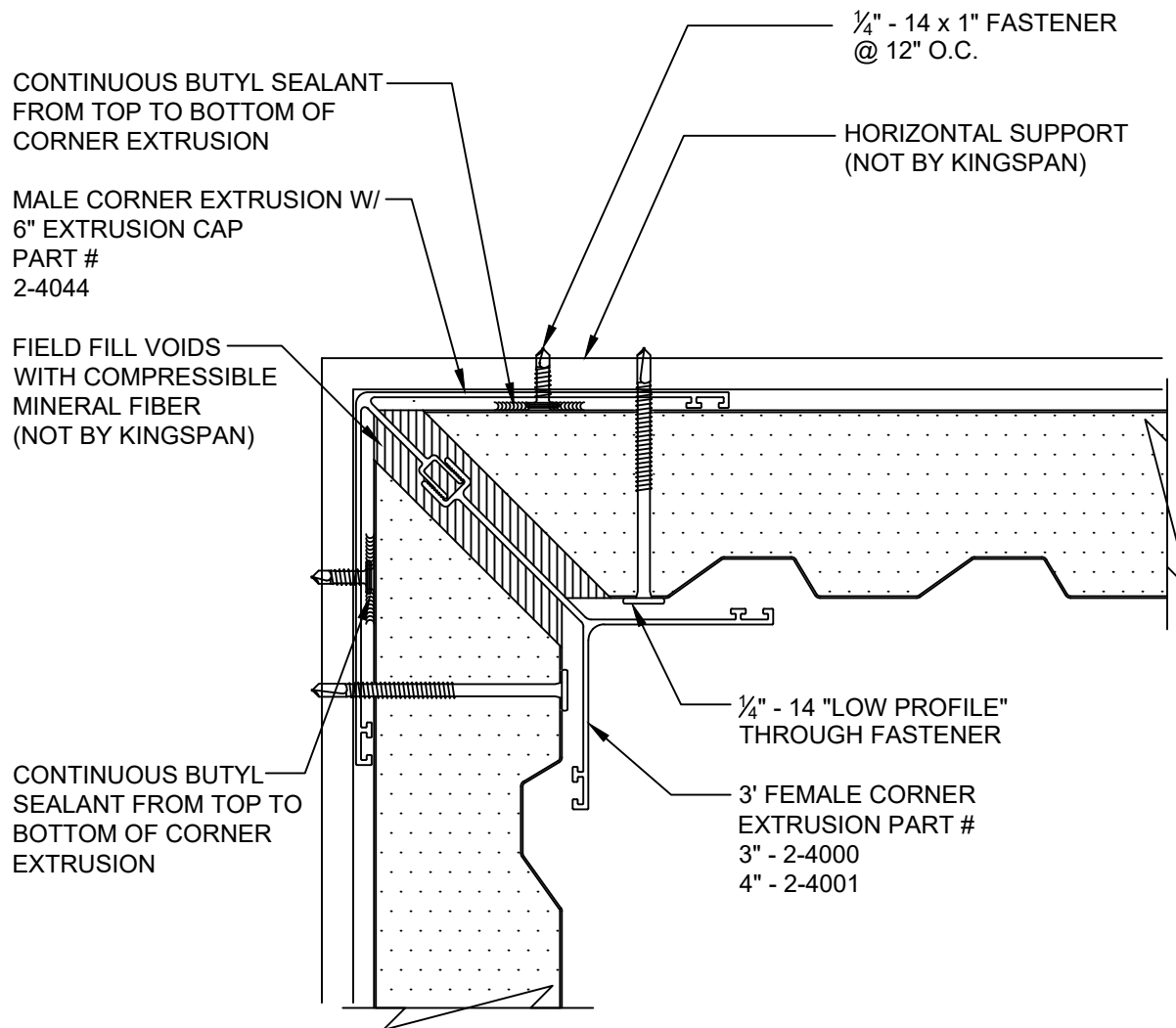
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INSIDE CORNER
WITH EXTRUSION

DETAIL #: CI-IC-02-VV

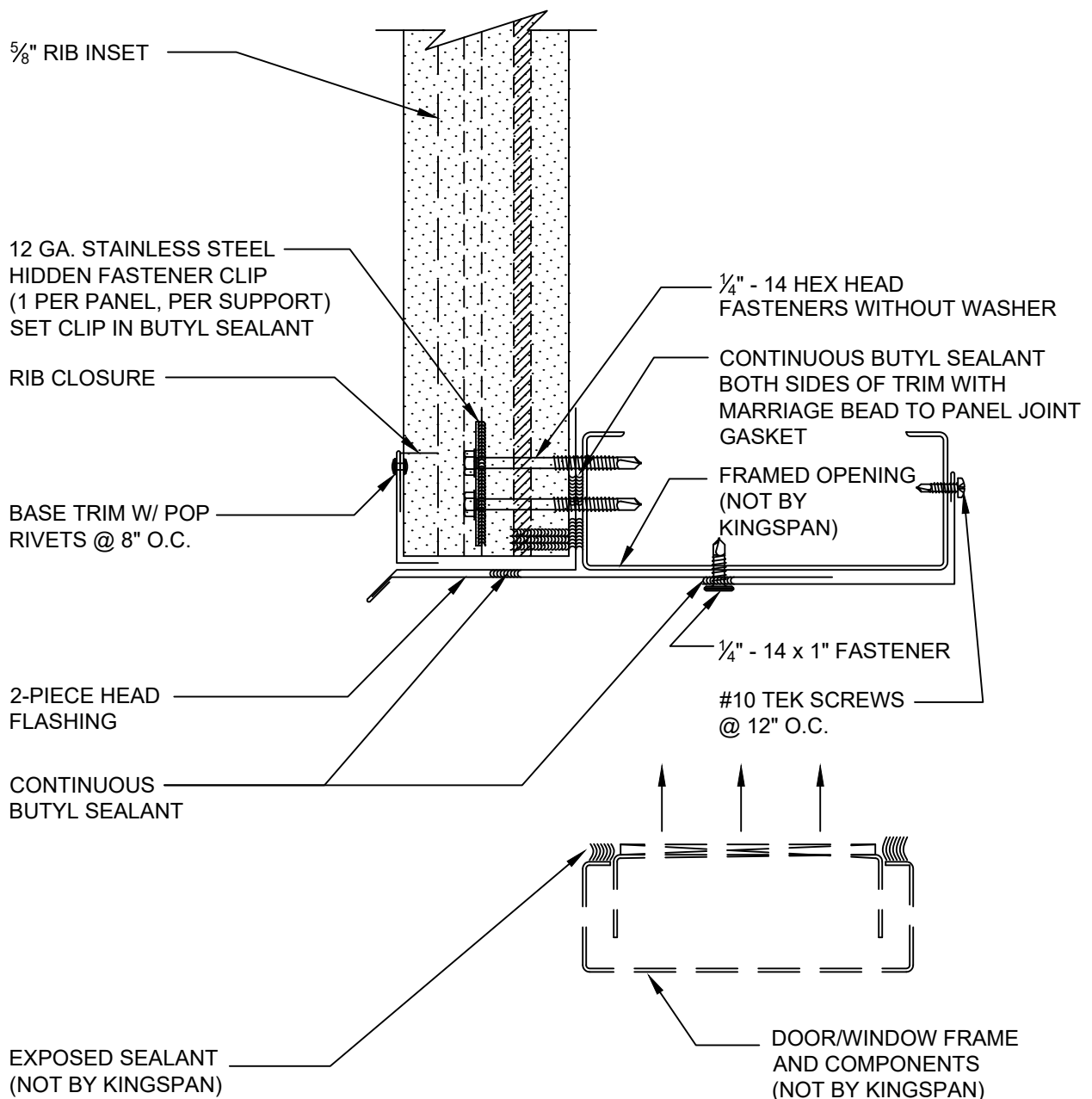
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FRAMED OPENING
HEAD

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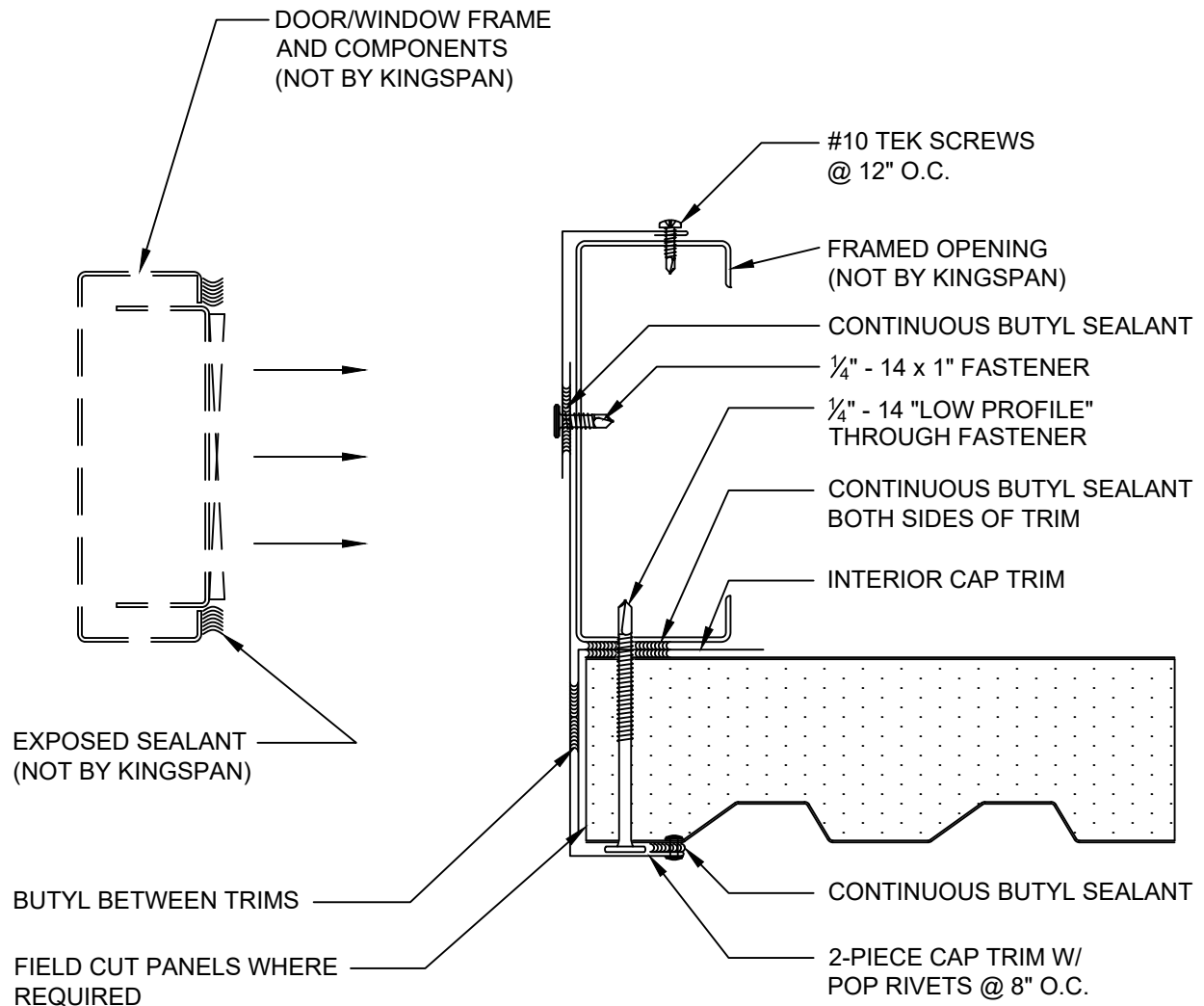
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FRAMED OPENING
JAMB

DETAIL #: CI-FO-02-VV

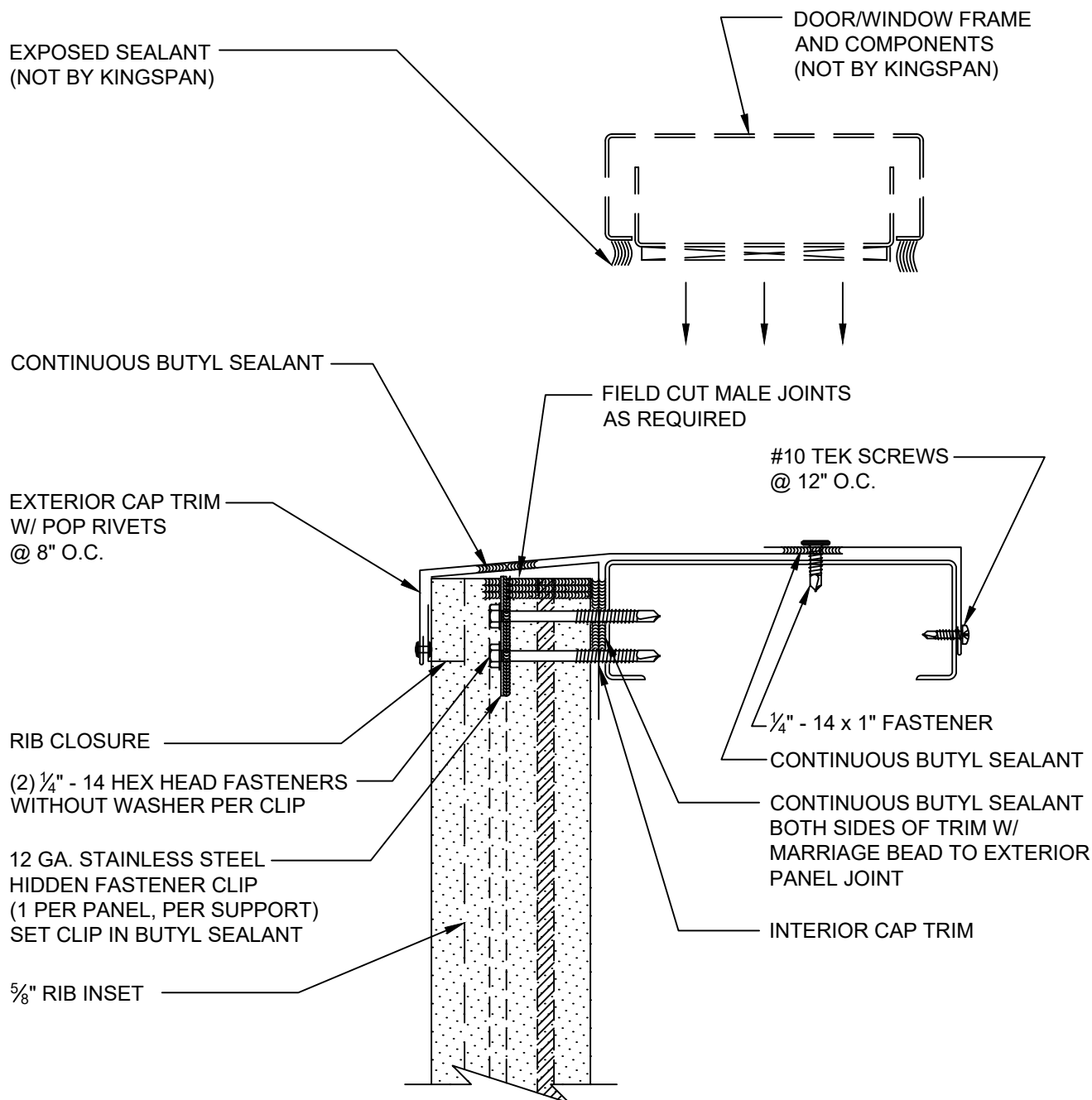
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FRAMED OPENING SILL

DETAIL #: CI-FO-03-VV

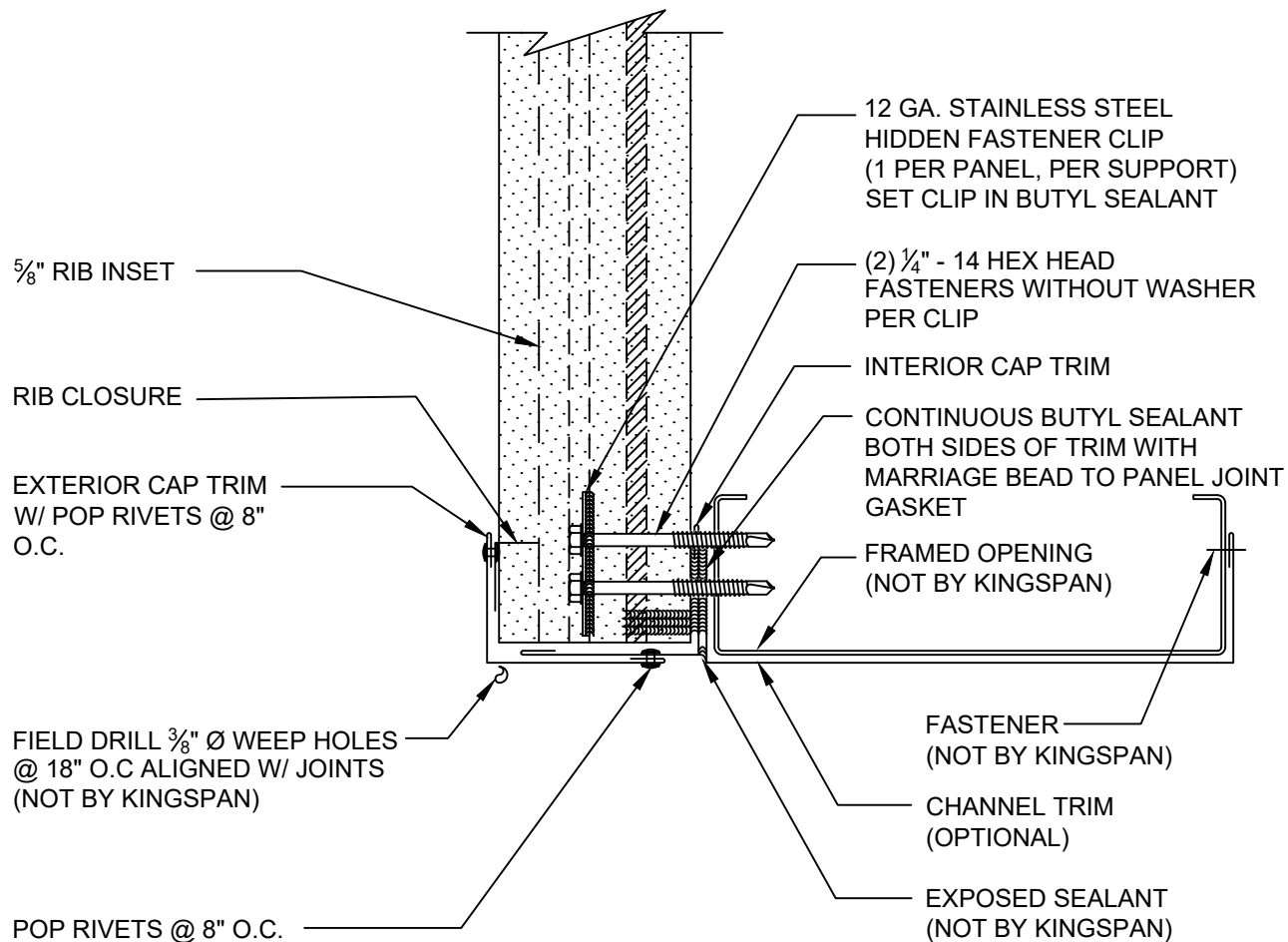
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FRAMED OPENING
OVERHEAD DOOR - HEAD

DETAIL #: CI-FO-04-VV

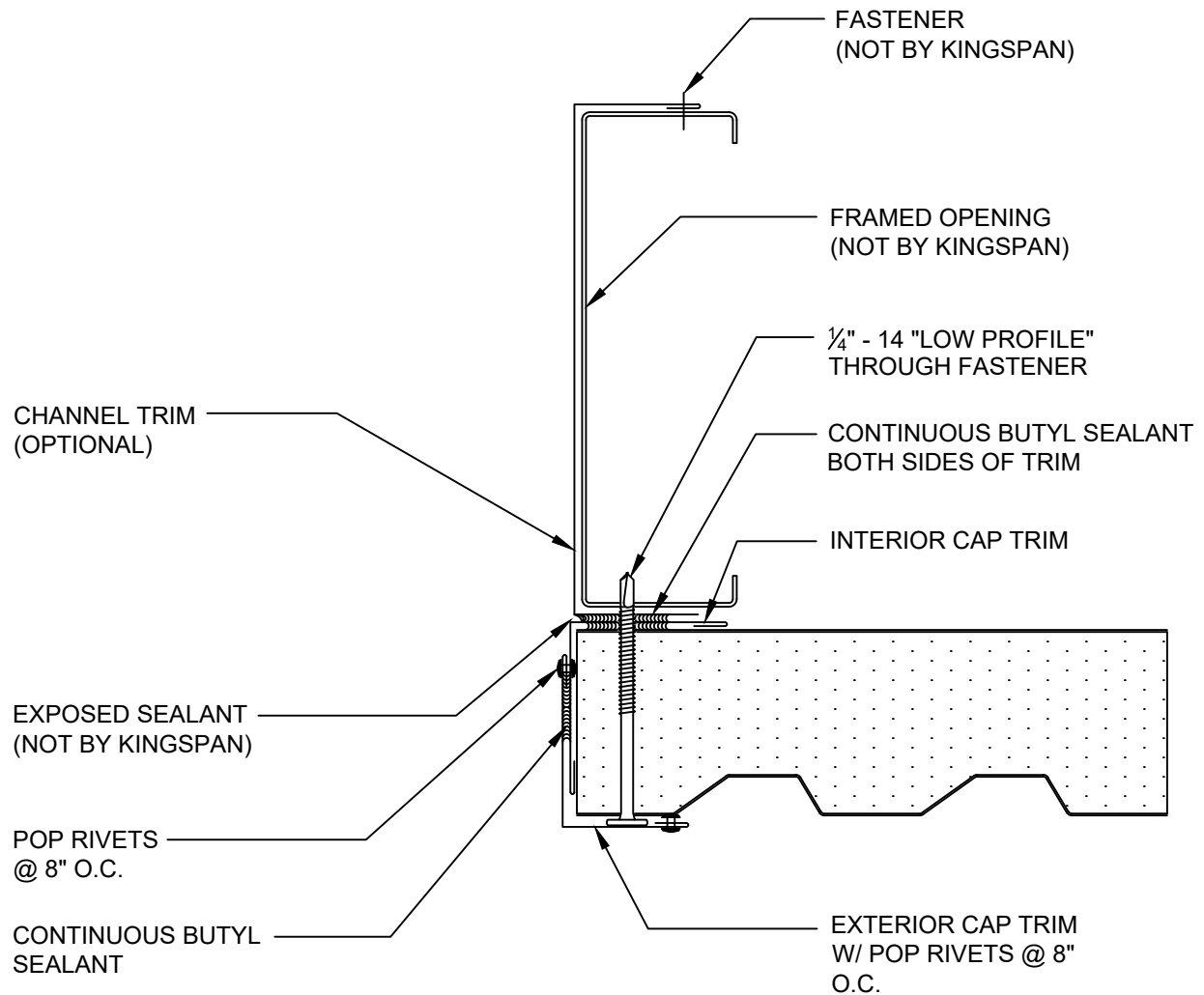
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FRAMED OPENING
OVERHEAD DOOR - JAMB

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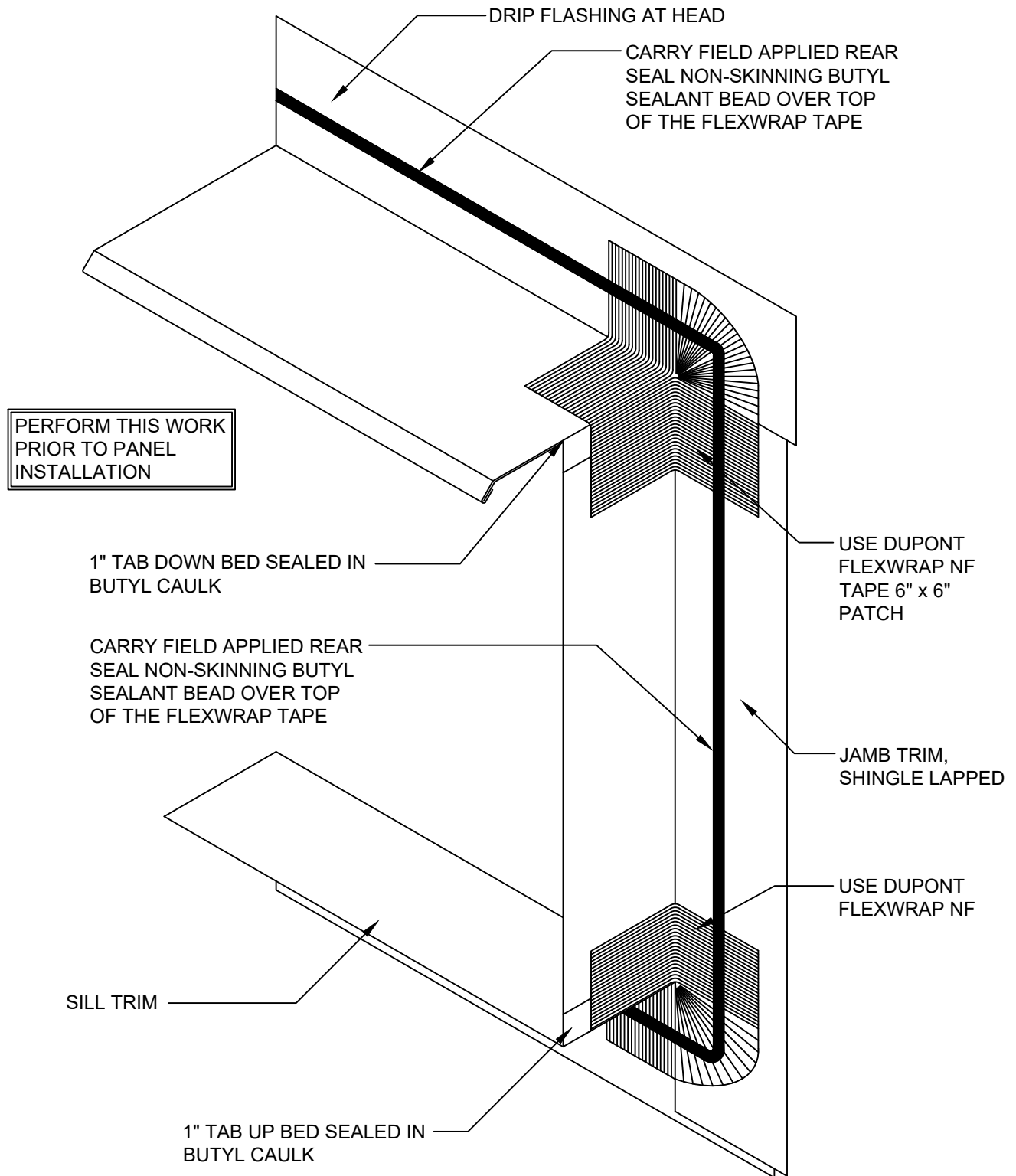
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FRAMED OPENING - TRIM
INSTALLATION

DETAIL #: CI-FO-06-VV

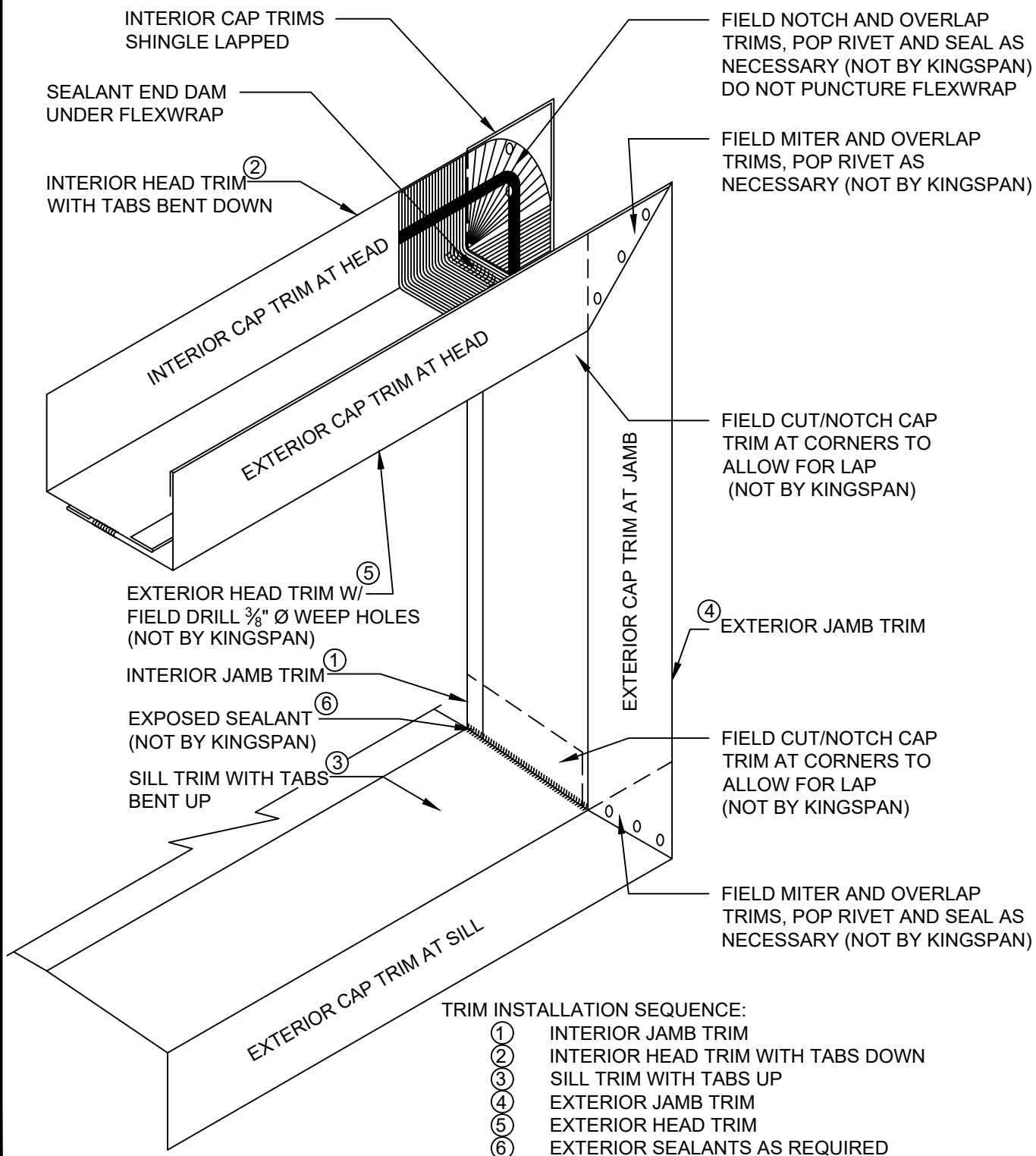
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FRAMED OPENING - TRIM
INSTALLATION

DETAIL #: CI-FO-07-VV

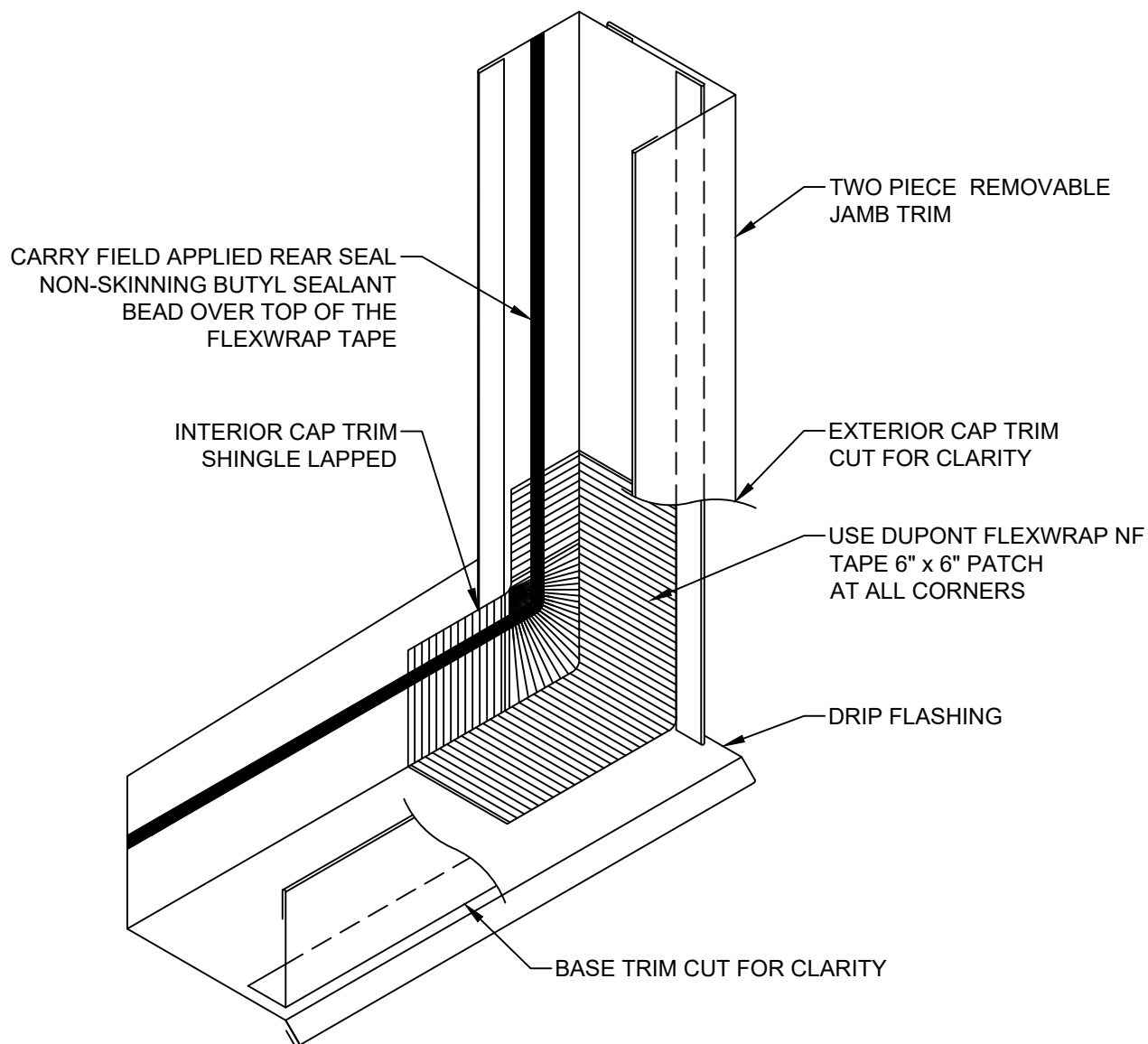
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REMOVABLE PANEL
TRIM INSTALLATION

DETAIL #: CI-FO-08-VV

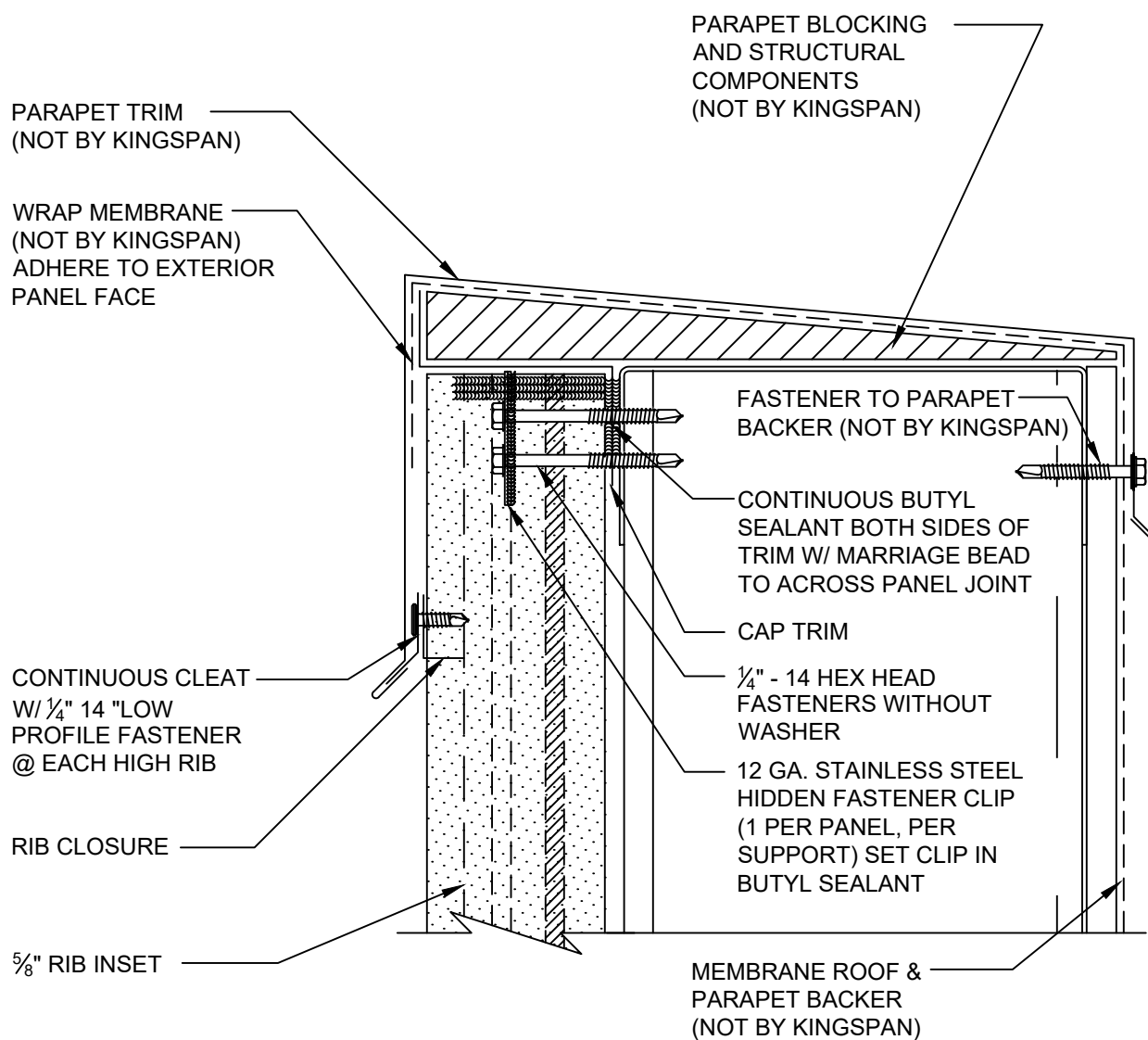
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PARAPET
FLUSH TRIM

DETAIL #: CI-PR-01-VV

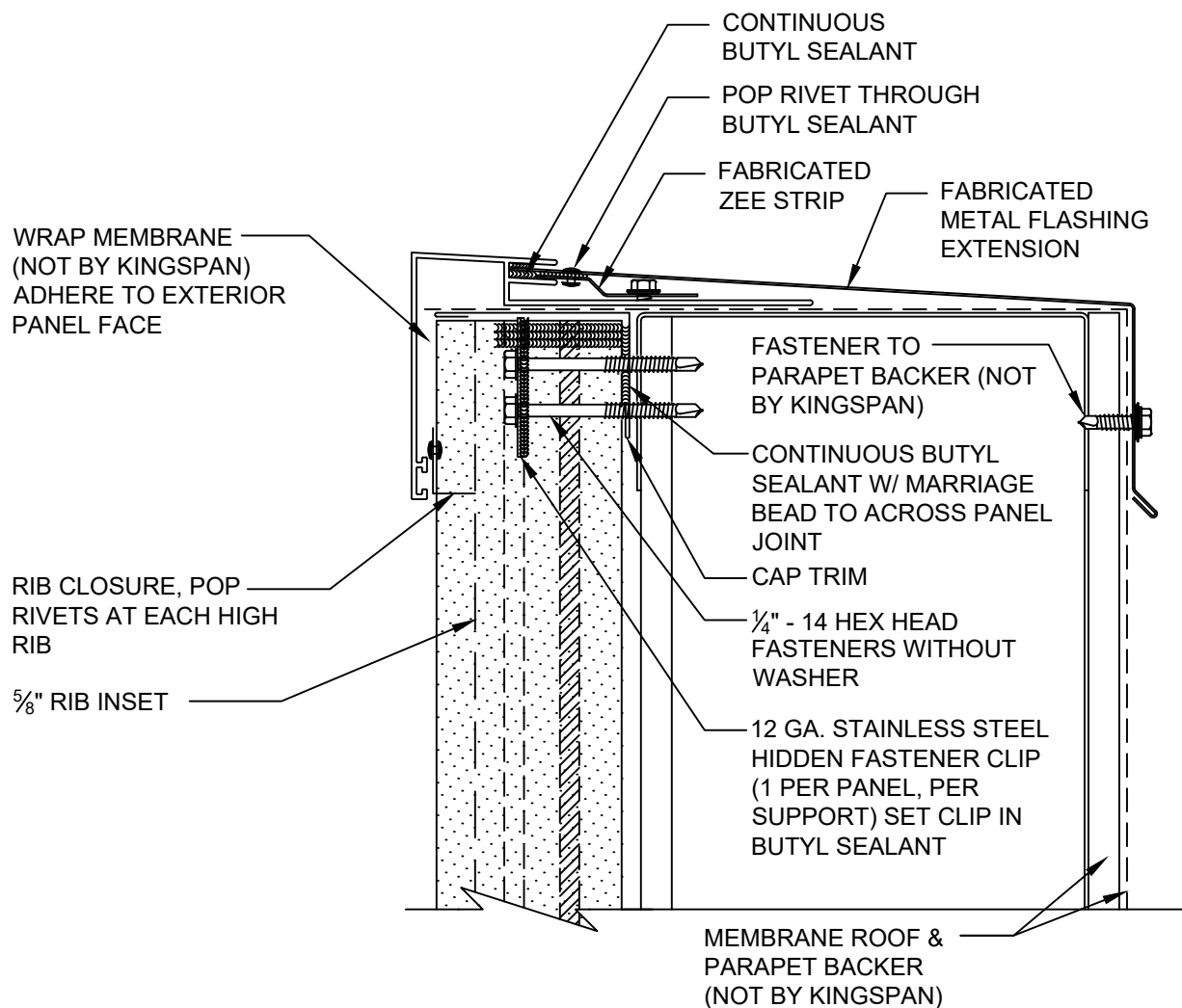
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PARAPET
EXTRUSION

DETAIL #: CI-PR-02-VV

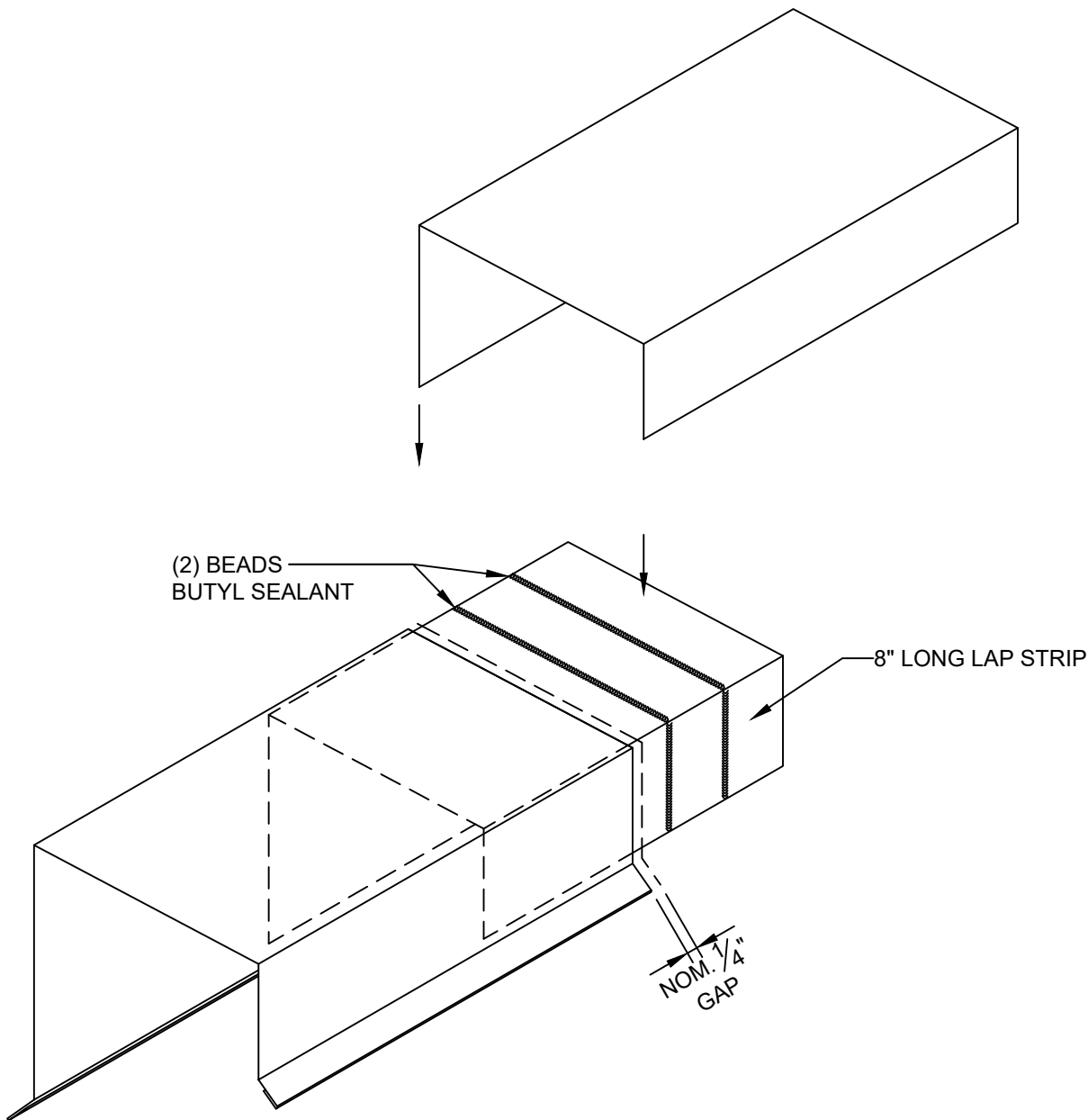
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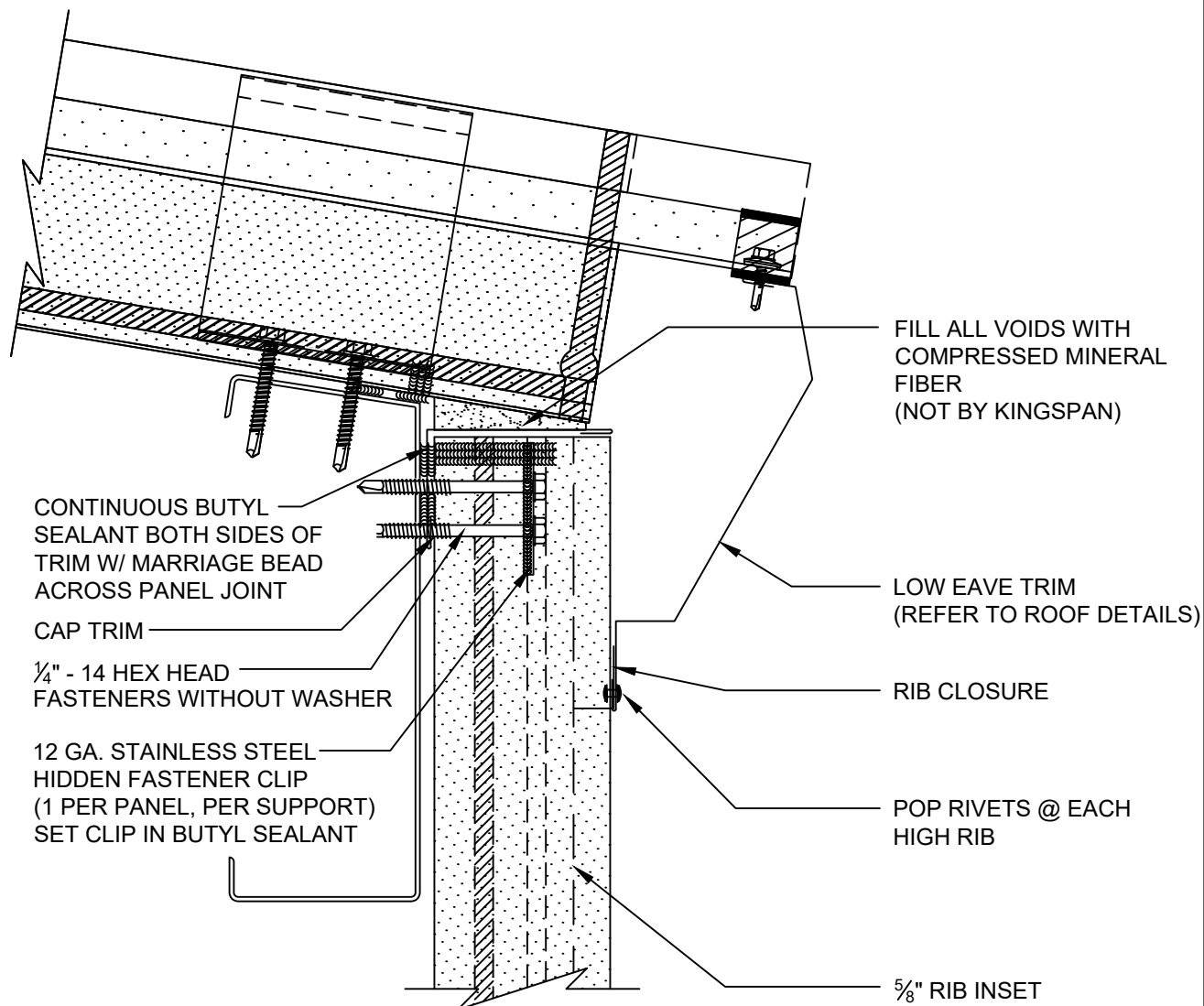
PARAPET LAP STRIP
INSTALLATION

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SEE ROOF DETAILS FOR ROOF NOTES



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WALL TO ROOF - LOW
EAVE NO GUTTER

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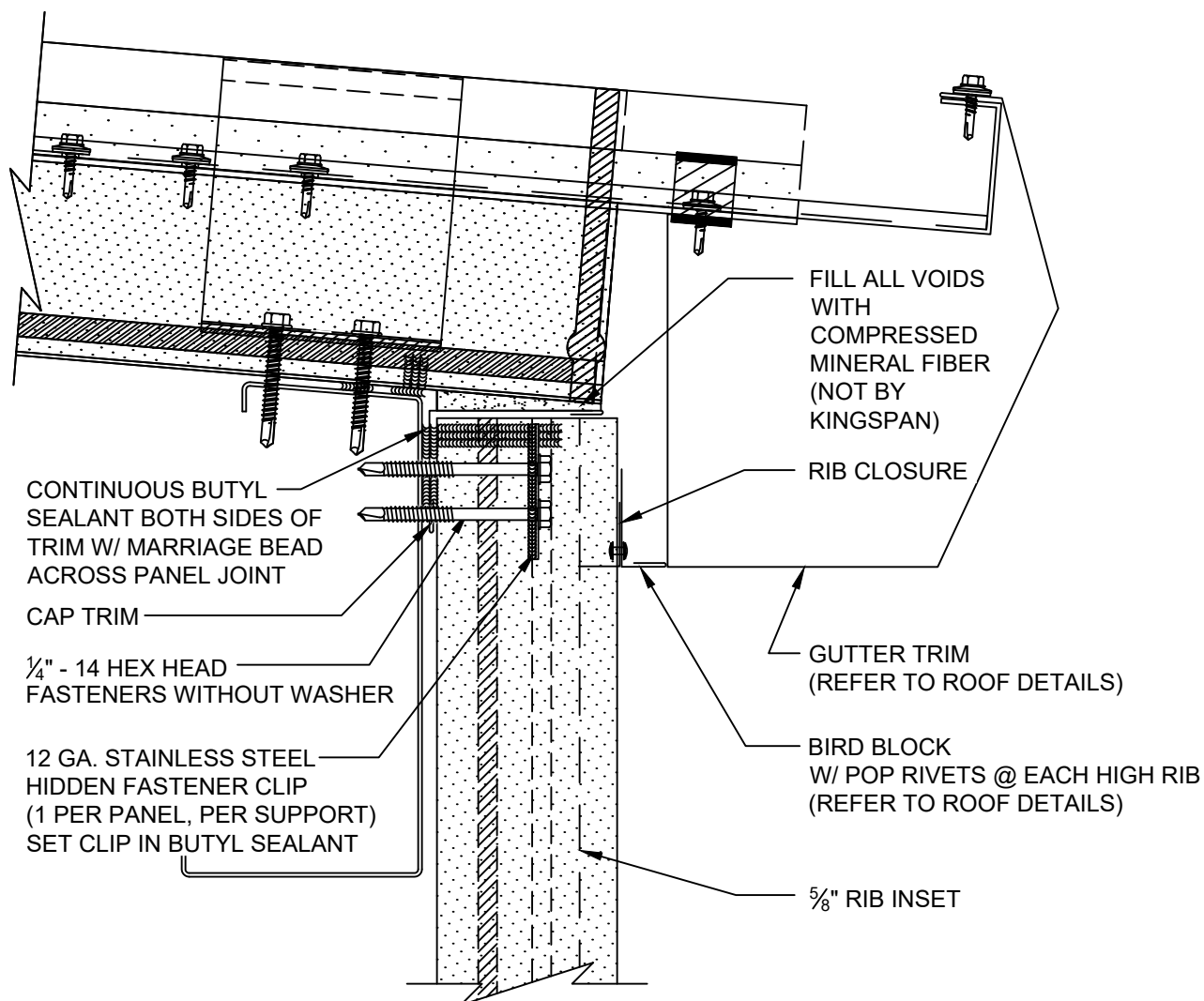
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WALL TO ROOF - LOW
EAVE W/ GUTTER

DETAIL #: CI-WR-02-VV

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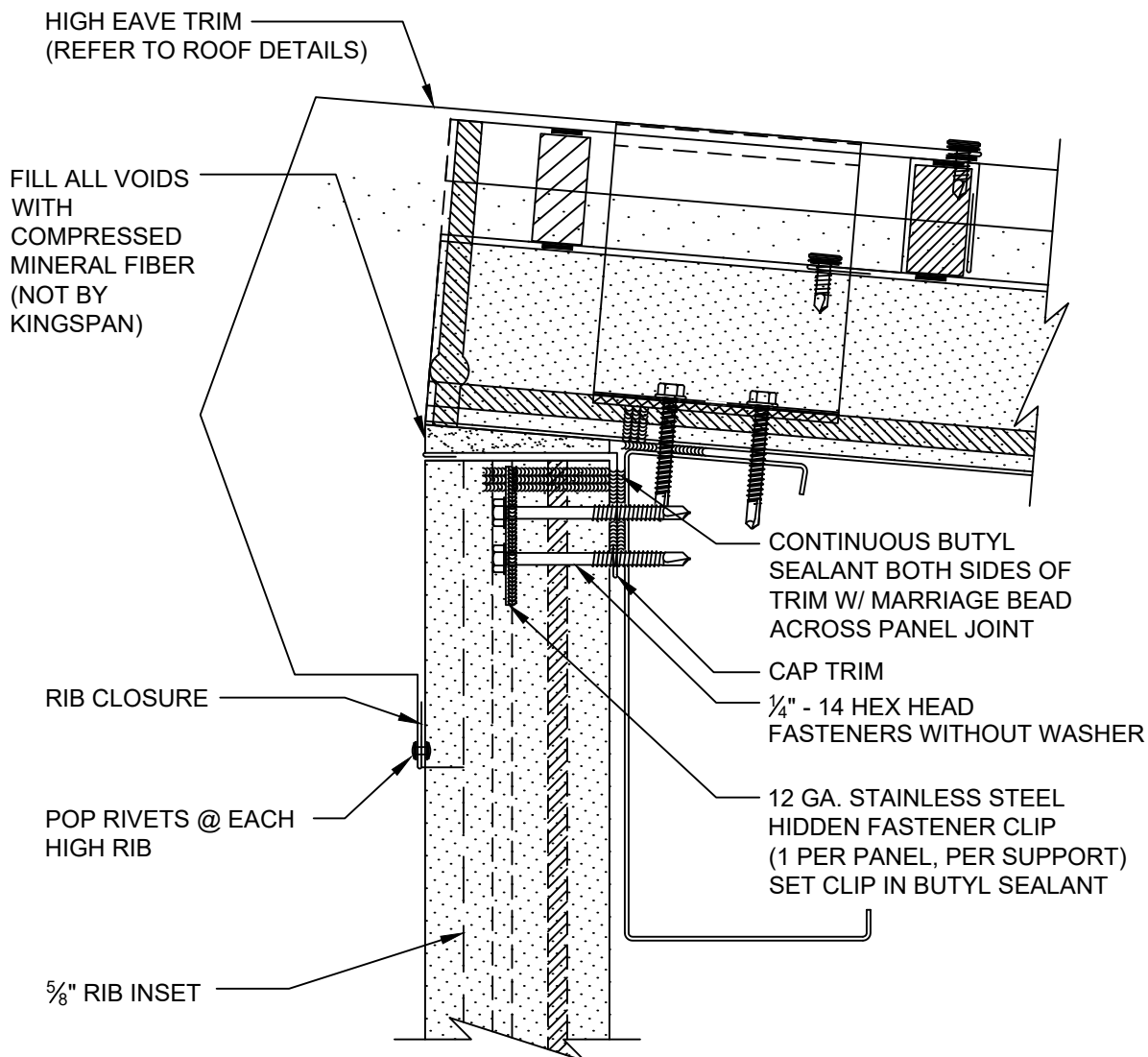
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WALL TO ROOF - HIGH
EAVE

DETAIL #: CI-WR-03-VV

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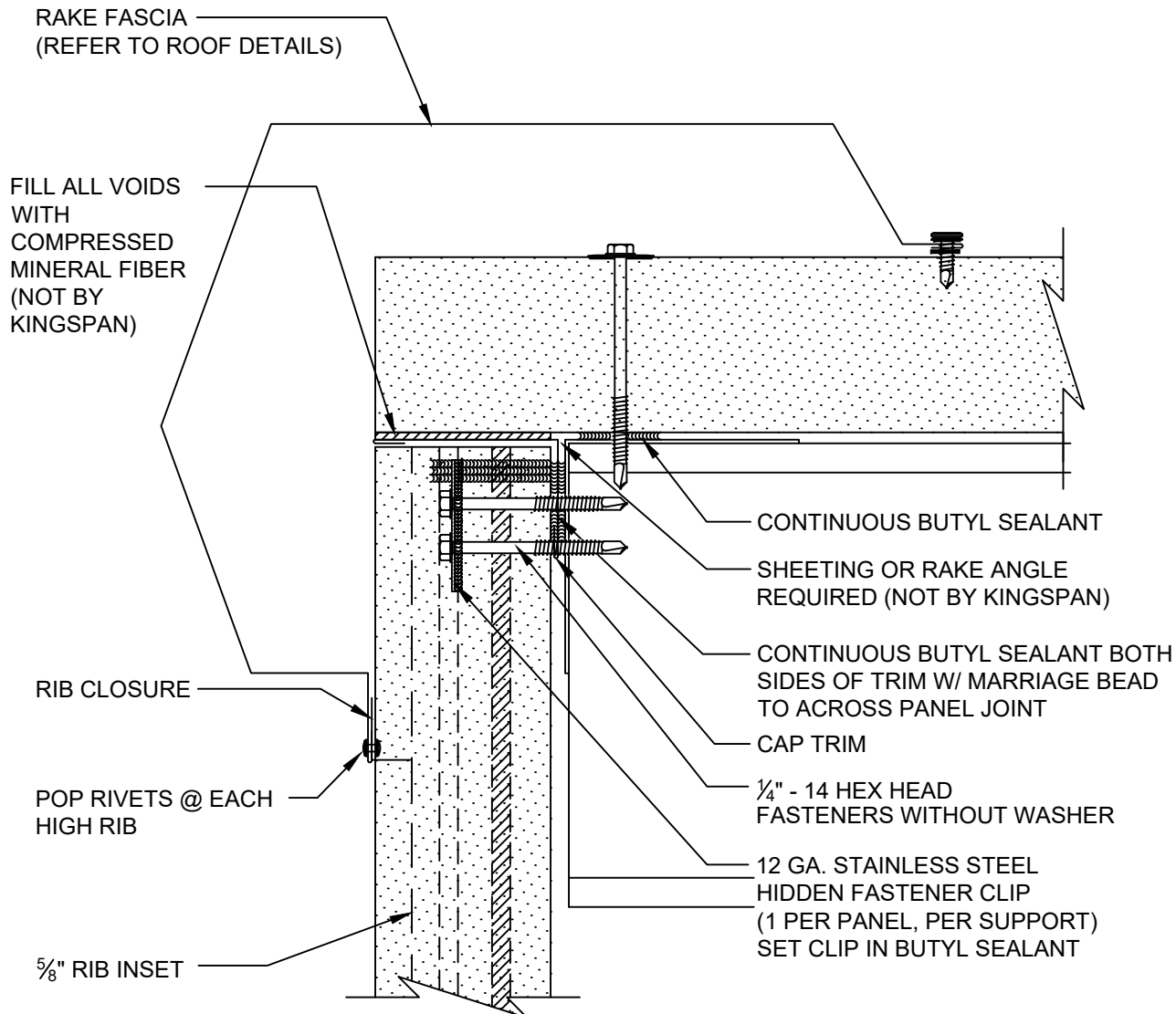
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SEE ROOF DETAILS FOR ROOF NOTES



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WALL TO ROOF - RAKE

DETAIL #: CI-WR-04-VV

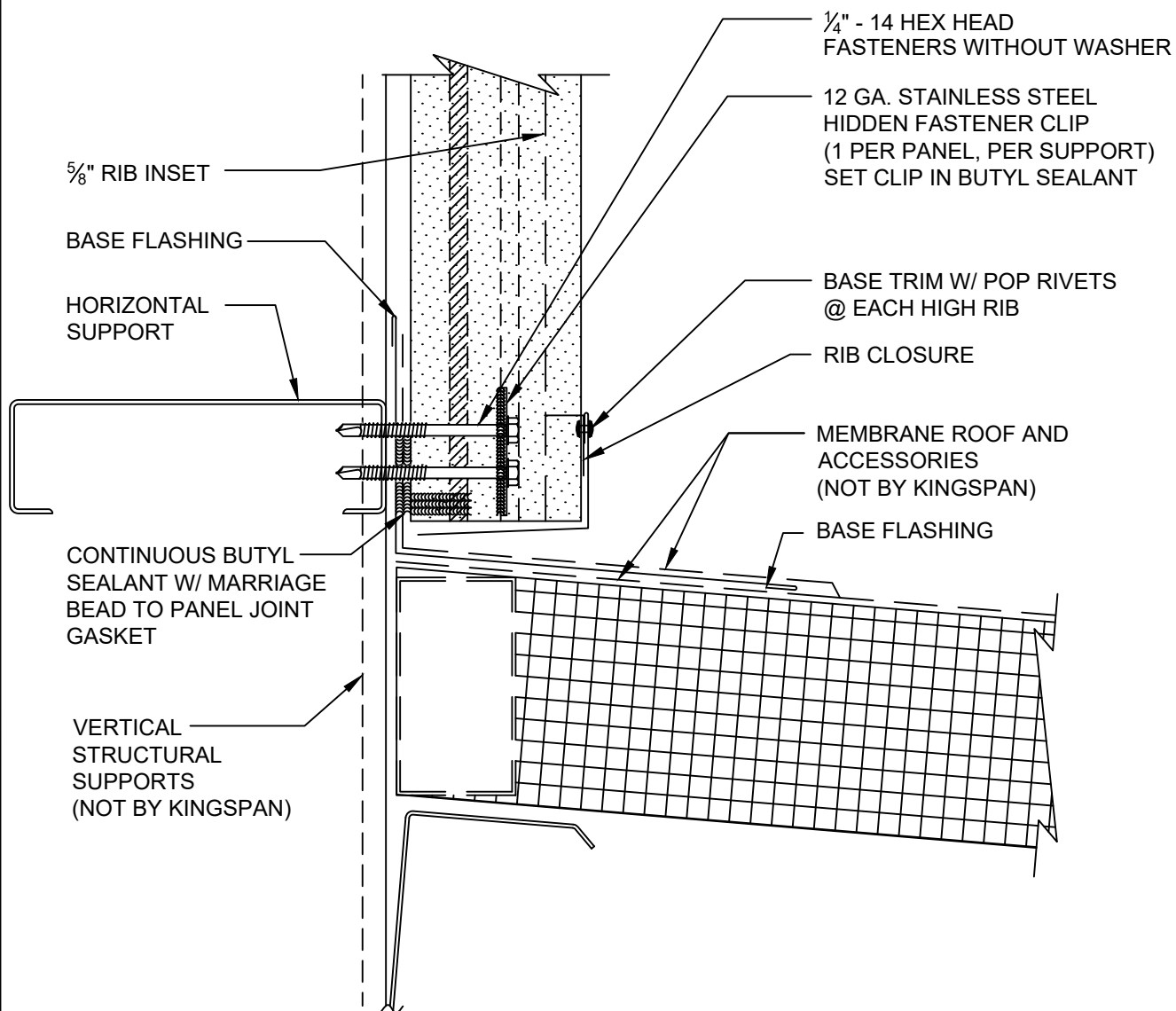
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WALL ABOVE TO BUILT UP
ROOF / CANOPY

DETAIL #: CI-WR-05-VV

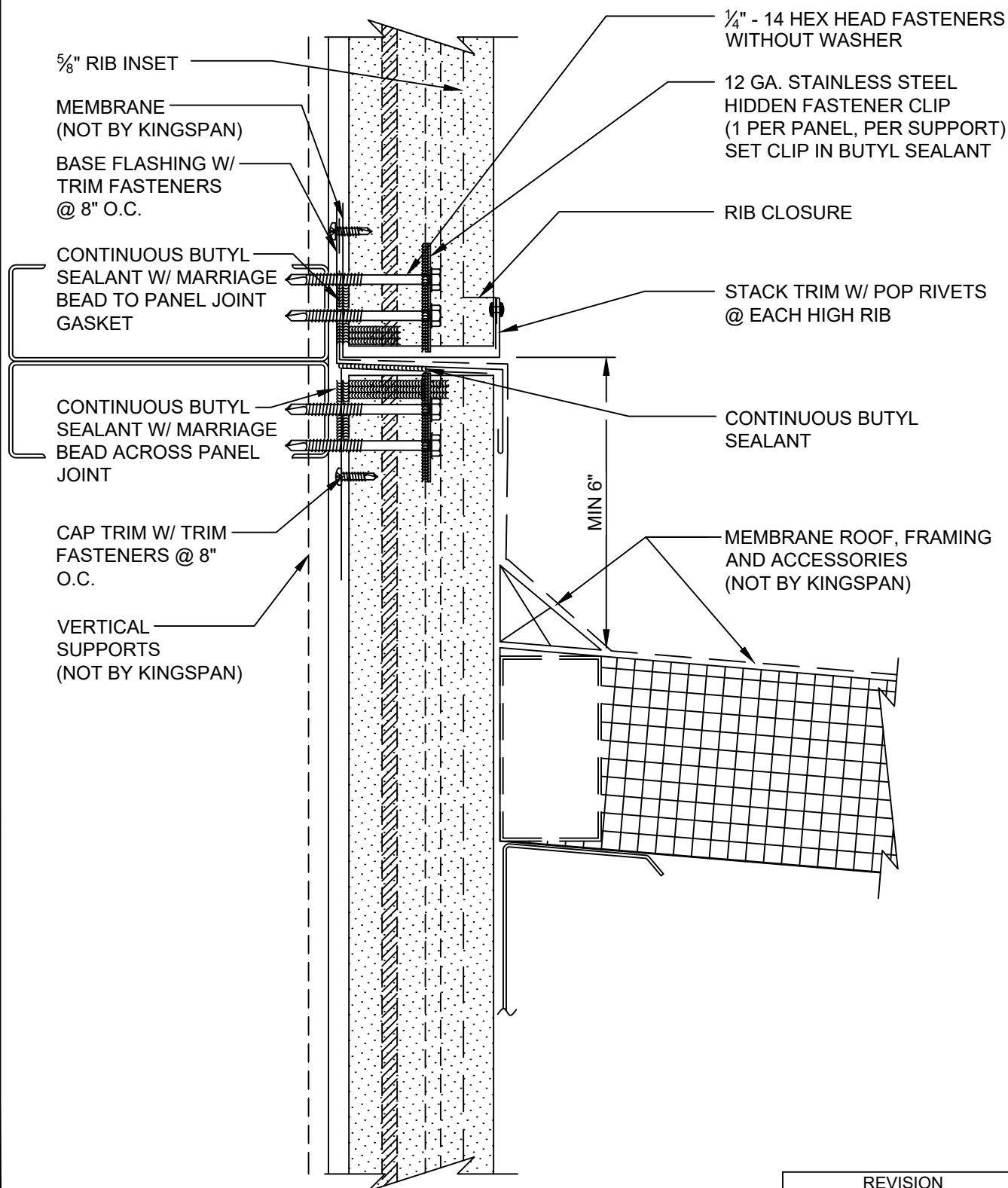
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CONTINUOUS WALL TO
BUILT UP ROOF / CANOPY

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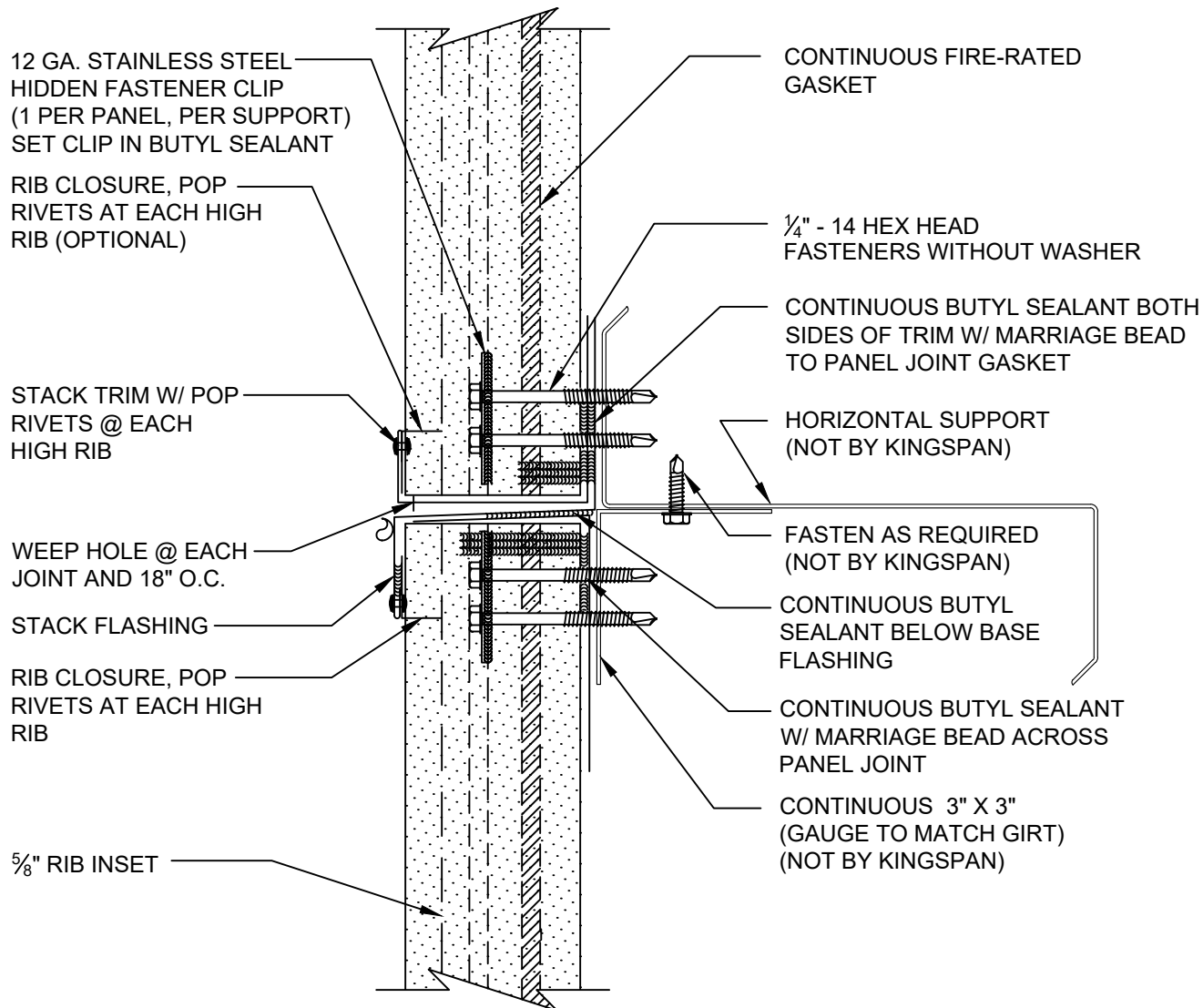
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NOTE: SEE INSTALLATION
SEQUENCE AT BASE CONDITION
CI-VJ-07 THROUGH CI-VJ-13

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STACK JOINT

DETAIL #: CI-SJ-01-VV

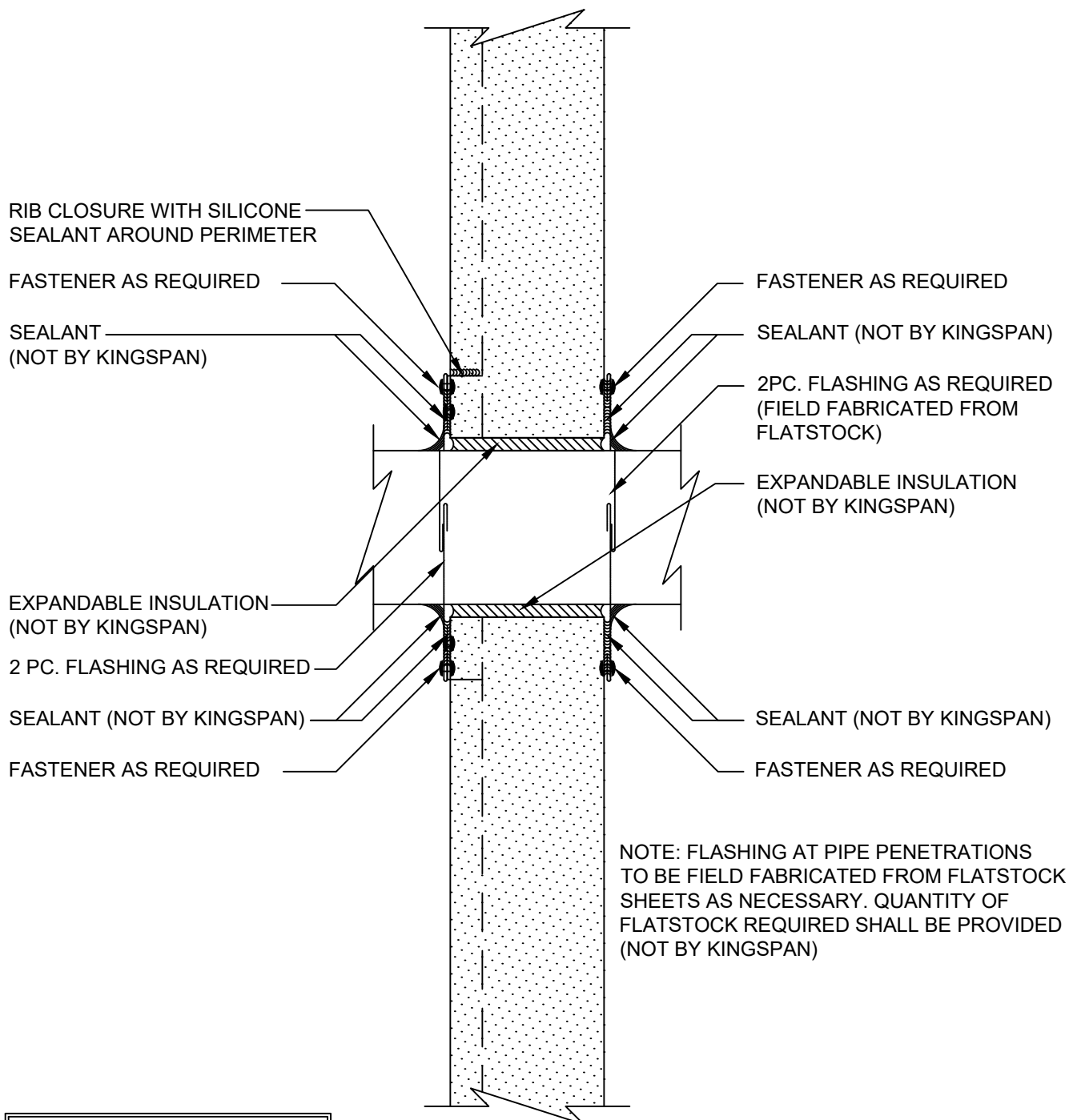
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NOTE:
DO NOT ALIGN PENETRATIONS
AT PANEL JOINT LOCATIONS.

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PIPE PENETRATION
SECTION

DETAIL #: CI-PE-01-VV

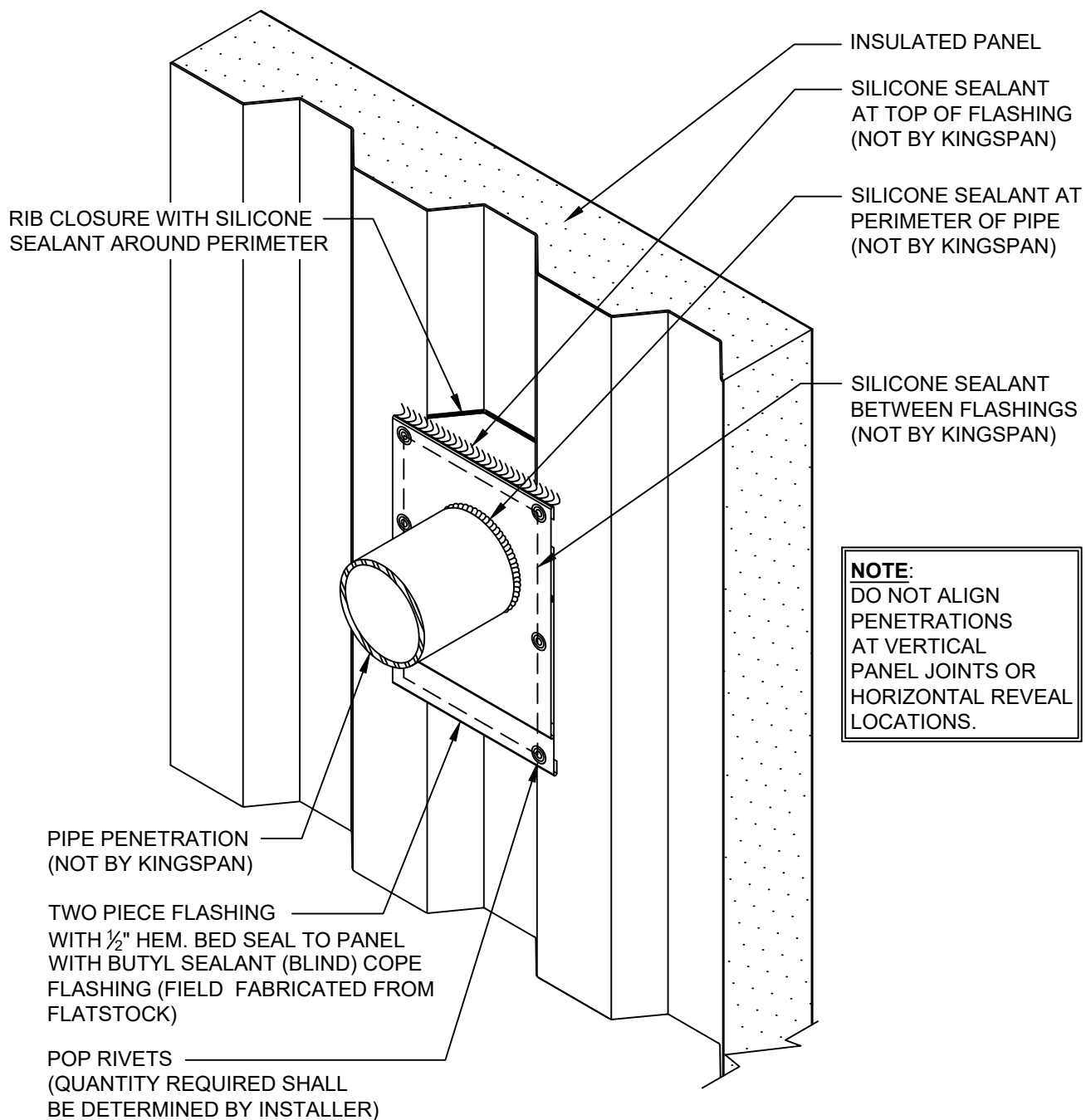
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NOTE:
DO NOT ALIGN PENETRATIONS AT VERTICAL PANEL JOINTS OR HORIZONTAL REVEAL LOCATIONS.

NOTE:
THIS DETAIL ASSUMES PENETRATION OCCURS AFTER PANEL IS INSTALLED

NOTE: FLASHING AT PENETRATIONS TO BE FIELD FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY. QUANTITY OF FLATSTOCK REQUIRED SHALL BE DETERMINED BY INSTALLER (NOT BY KINGSPAN)

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**PIPE PENETRATION
ISOMETRIC**

DETAIL #: CI-PE-02-VV

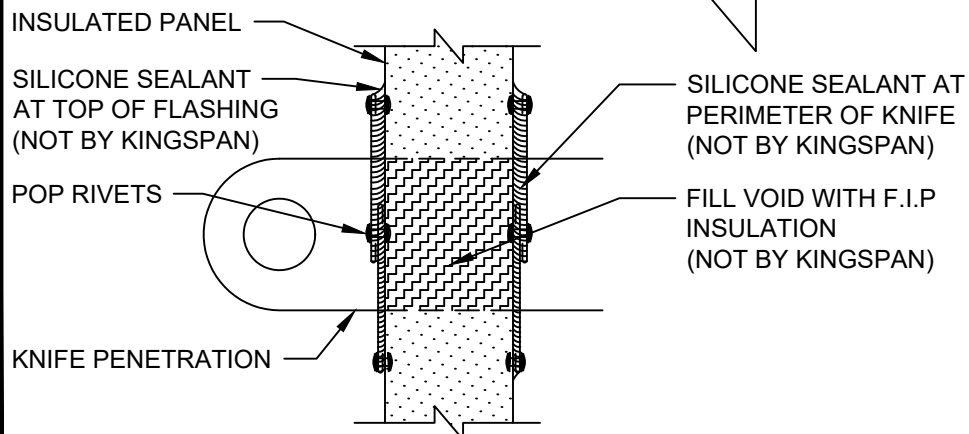
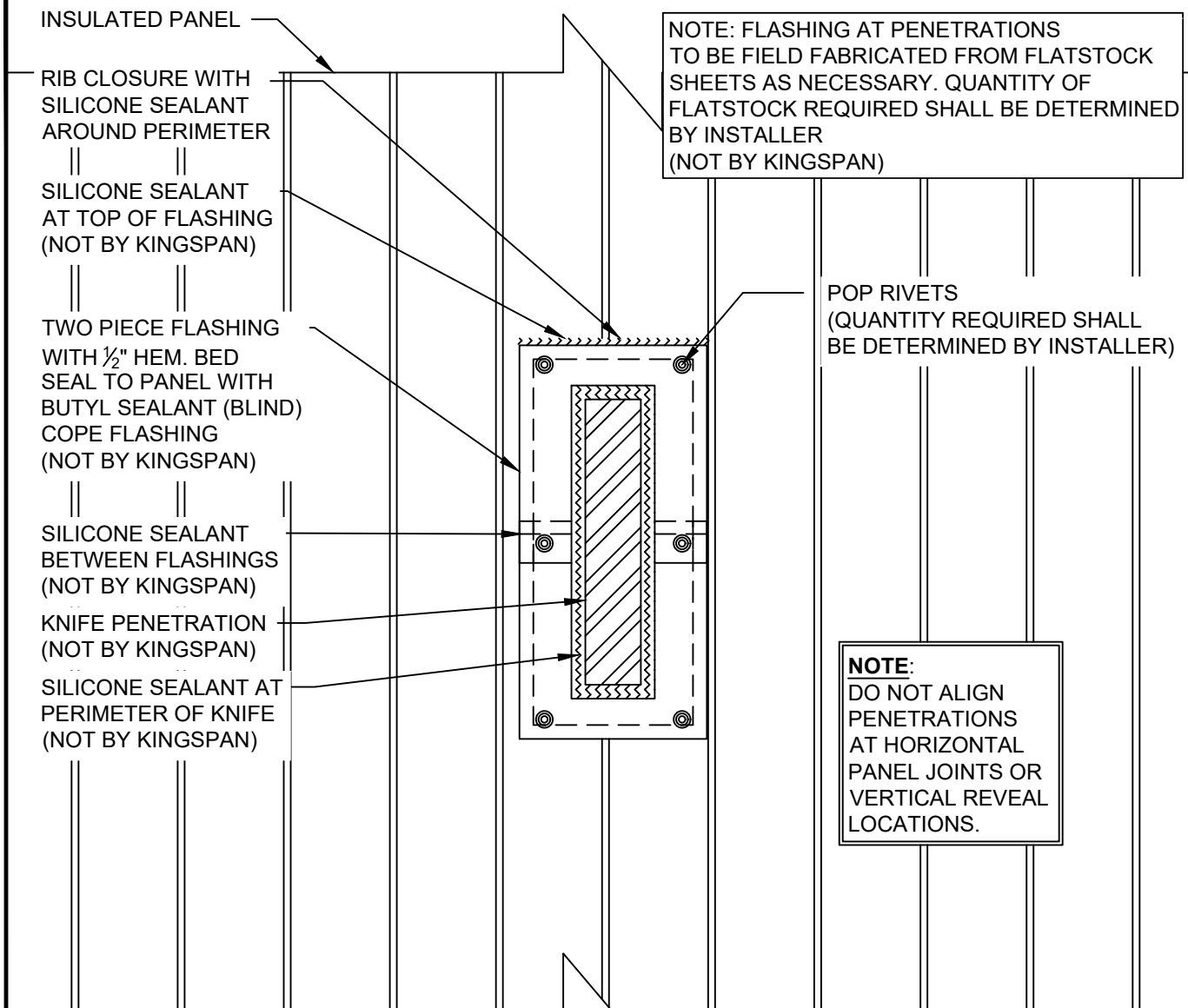
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KNIFE PLATE DETAIL

DETAIL #: CI-PE-03-VV

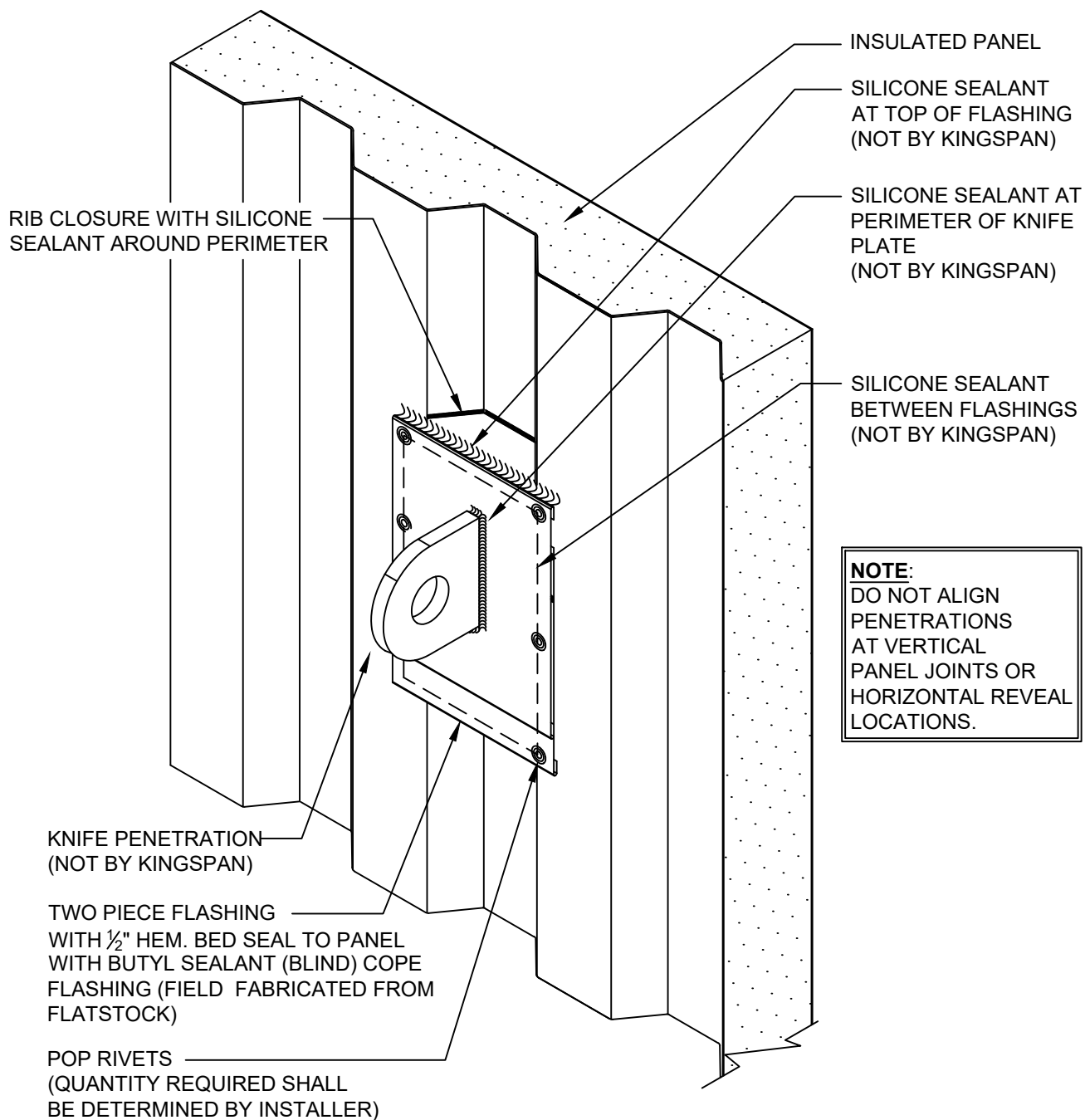
RELEASE: 2022

REGION: NORTH AMERICA

www.kingspanpanels.com



VALE - VERTICAL INSTALL



NOTE:
DO NOT ALIGN PENETRATIONS AT VERTICAL PANEL JOINTS OR HORIZONTAL REVEAL LOCATIONS.

NOTE: FLASHING AT PENETRATIONS TO BE FIELD FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY. QUANTITY OF FLATSTOCK REQUIRED SHALL BE DETERMINED BY INSTALLER (NOT BY KINGSPAN)

REVISION	
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KNIFE PLATE ISOMETRIC

DETAIL #: CI-PE-04-VV

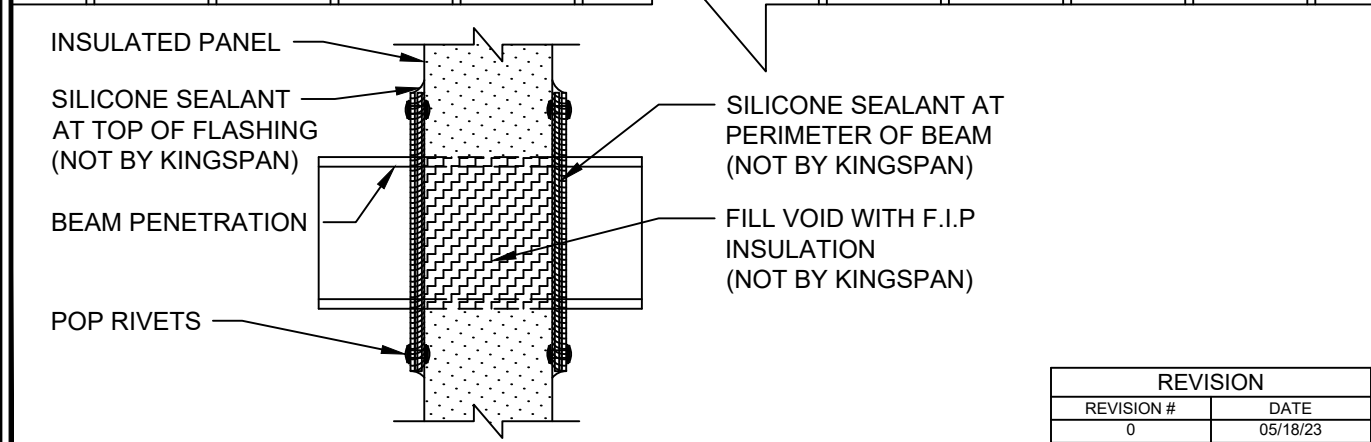
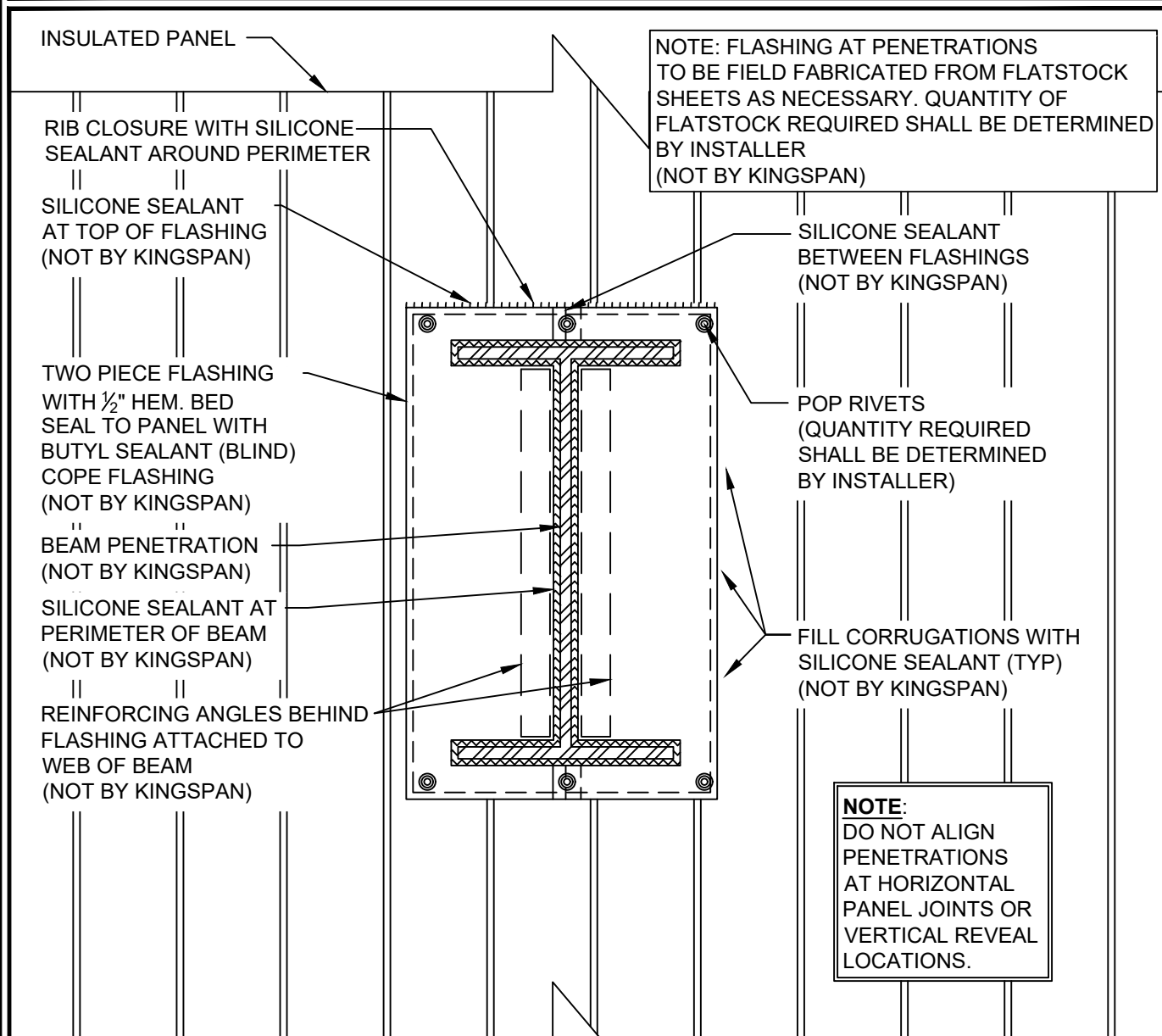
RELEASE: 2022

REGION: NORTH AMERICA

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VALE - VERTICAL INSTALL



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BEAM PENETRATION DETAIL

DETAIL #: CI-PE-05-VV

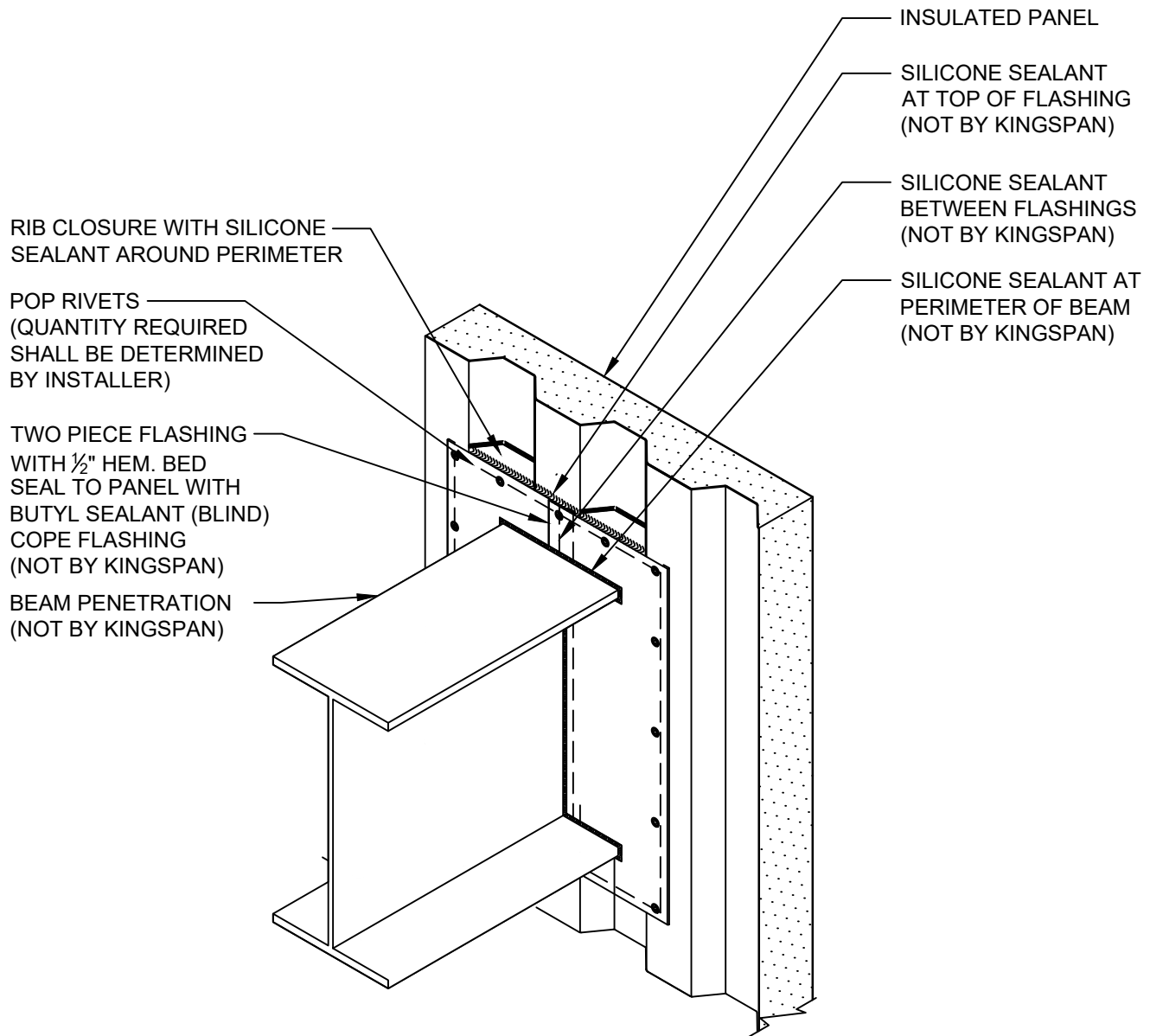
RELEASE: 2022

REGION: NORTH AMERICA

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VALE - VERTICAL INSTALL



NOTE: FLASHING AT PENETRATIONS TO BE FIELD FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY. QUANTITY OF FLATSTOCK REQUIRED SHALL BE DETERMINED BY INSTALLER (NOT BY KINGSPAN)

NOTE:
DO NOT ALIGN PENETRATIONS AT PANEL JOINT LOCATIONS.

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BEAM PENETRATION
ISOMETRIC

DETAIL #: CI-PE-06-VV

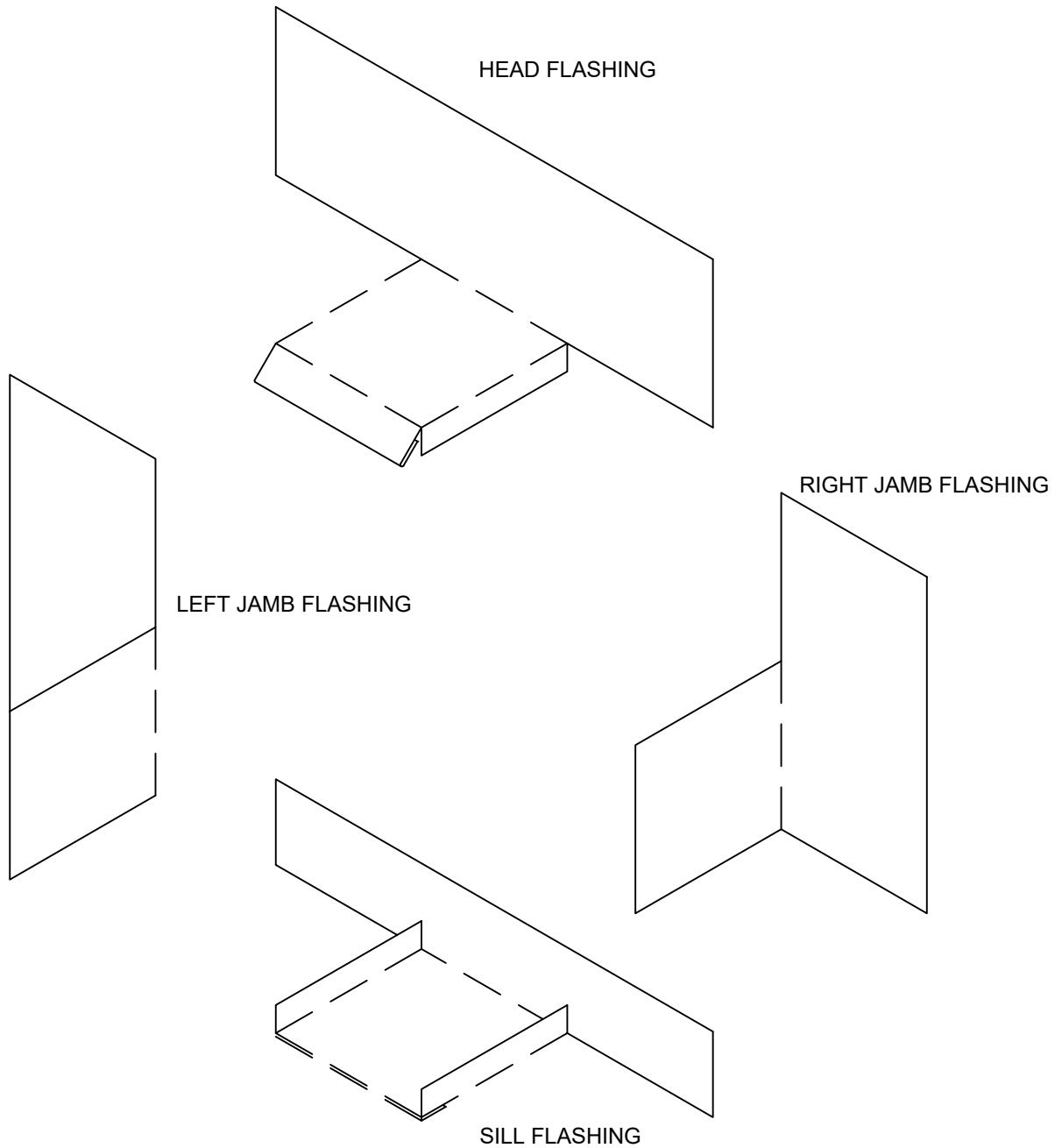
RELEASE: 2022

REGION: NORTH AMERICA

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VALE - VERTICAL INSTALL



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REVISION #	DATE
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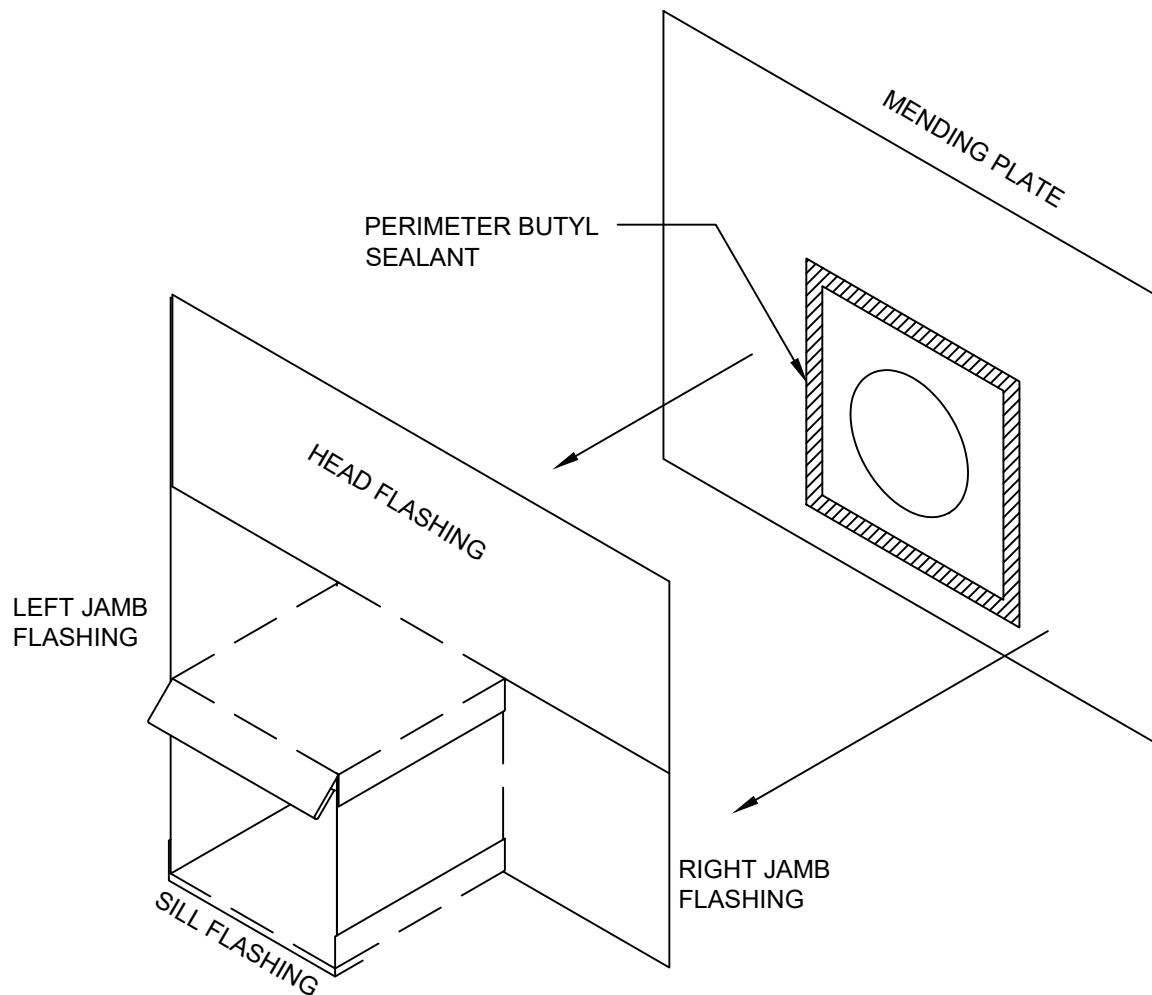
BOX PENETRATION
INSTALLATION SEQUENCE

DETAIL #: CI-PE-07-VV
RELEASE: 2022
REGION: NORTH AMERICA
www.kingspanpanels.com



VALE - VERTICAL INSTALL

MENDING PLATE TO BE INSTALLED ONTO BACK
OF PRE-ASSEMBLED PENETRATION BOX
(PRE-CUT PENETRATION PRIOR TO INSTALLATION)



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BOX PENETRATION
INSTALLATION SEQUENCE

DETAIL #: CI-PE-08-VV

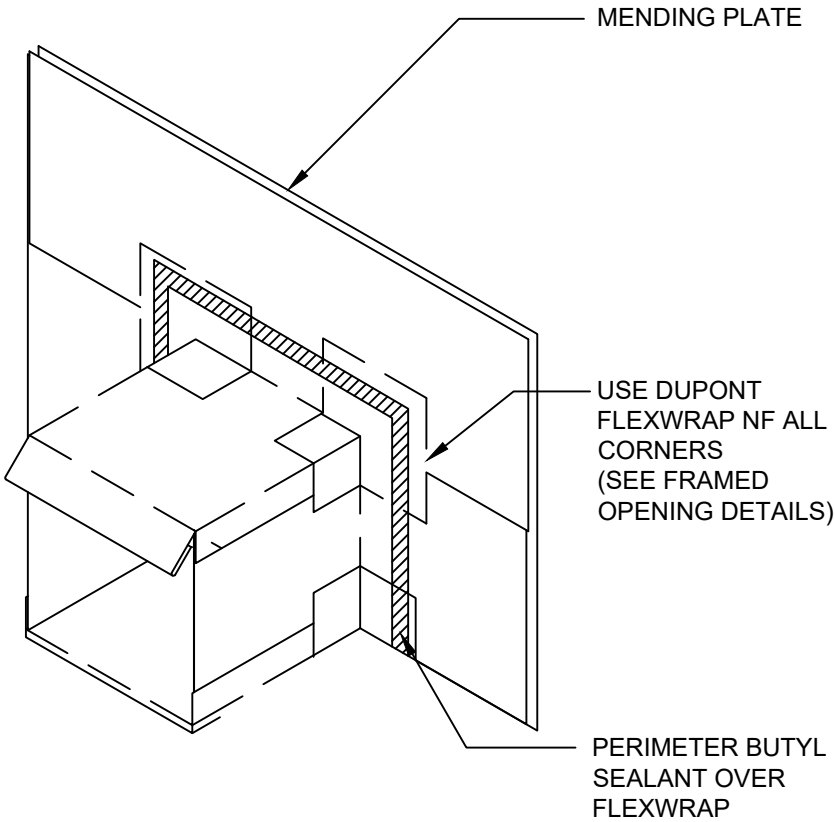
RELEASE: 2022

REGION: NORTH AMERICA

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VALE - VERTICAL INSTALL



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REVISION #	DATE
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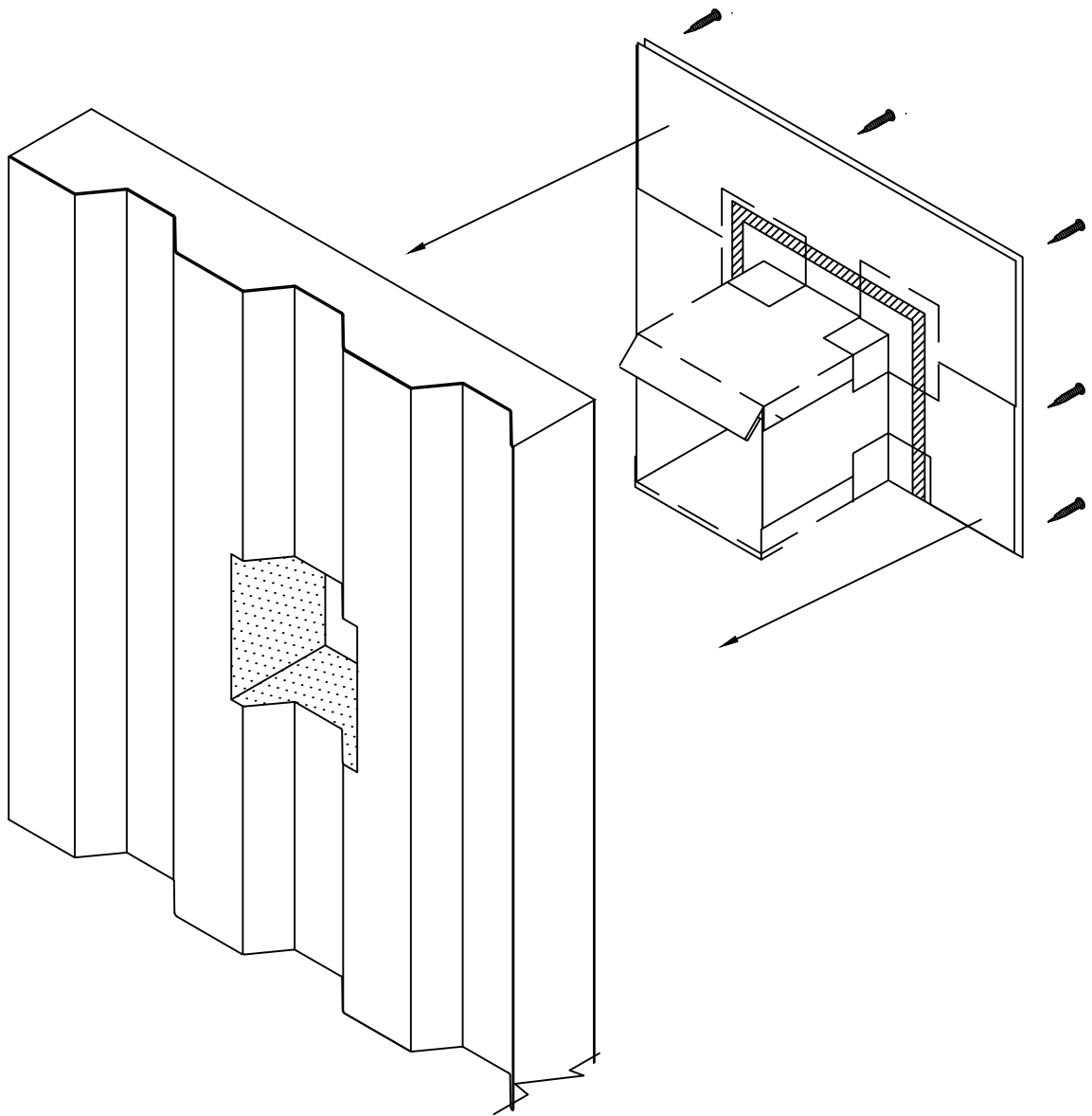
BOX PENETRATION
INSTALLATION SEQUENCE

DETAIL #: CI-PE-09-VV
RELEASE: 2022
REGION: NORTH AMERICA
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VALE - VERTICAL INSTALL

PENETRATION BOX TO BE ASSEMBLED ONTO
BACK OF PANELS WITH PPH TEK FASTENERS
MINIMUM 4" O.C.



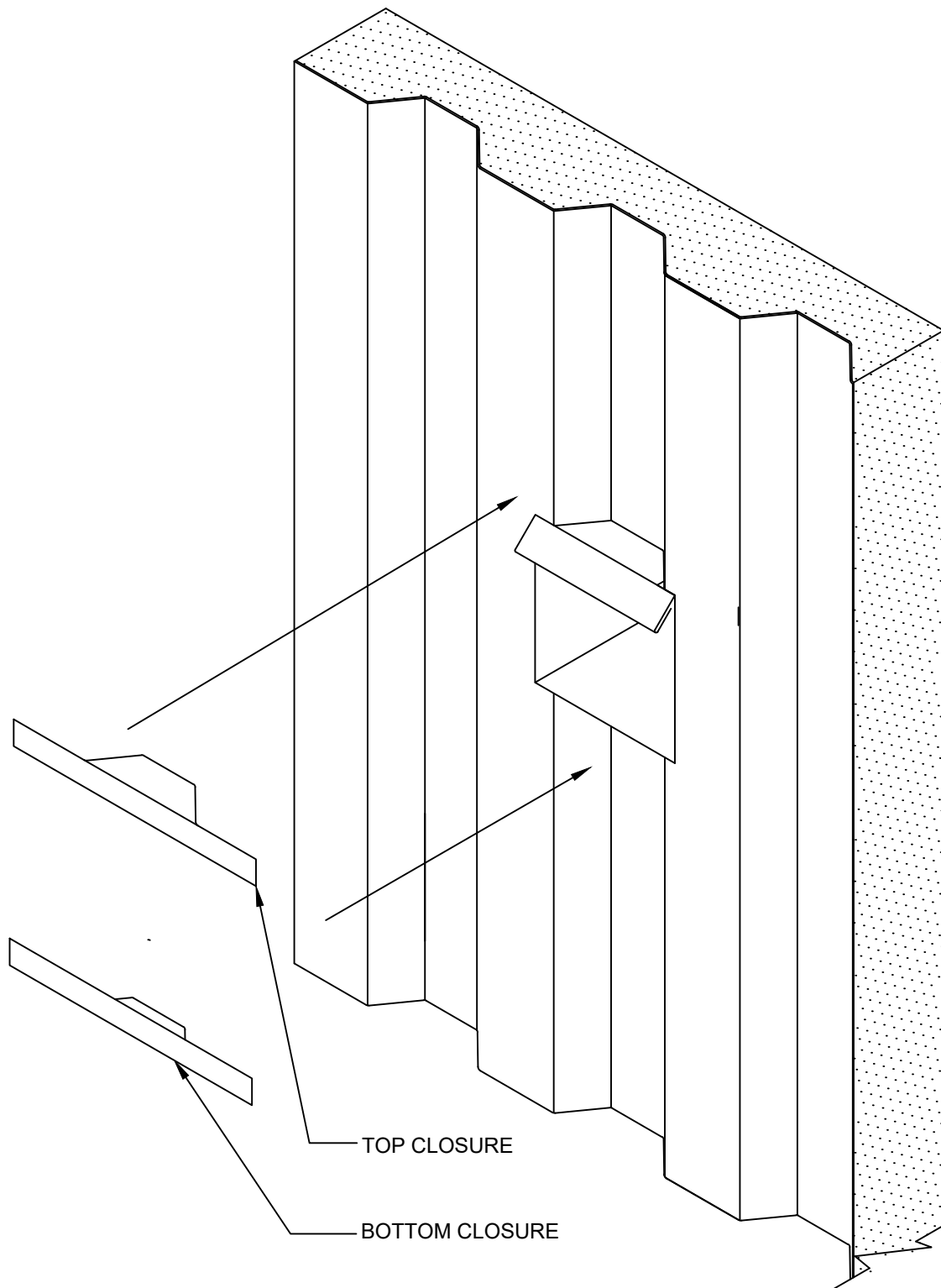
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REVISION #	DATE
0	05/18/23

BOX PENETRATION
INSTALLATION SEQUENCE

DETAIL #: CI-PE-10-VV
RELEASE: 2022
REGION: NORTH AMERICA
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VALE - VERTICAL INSTALL



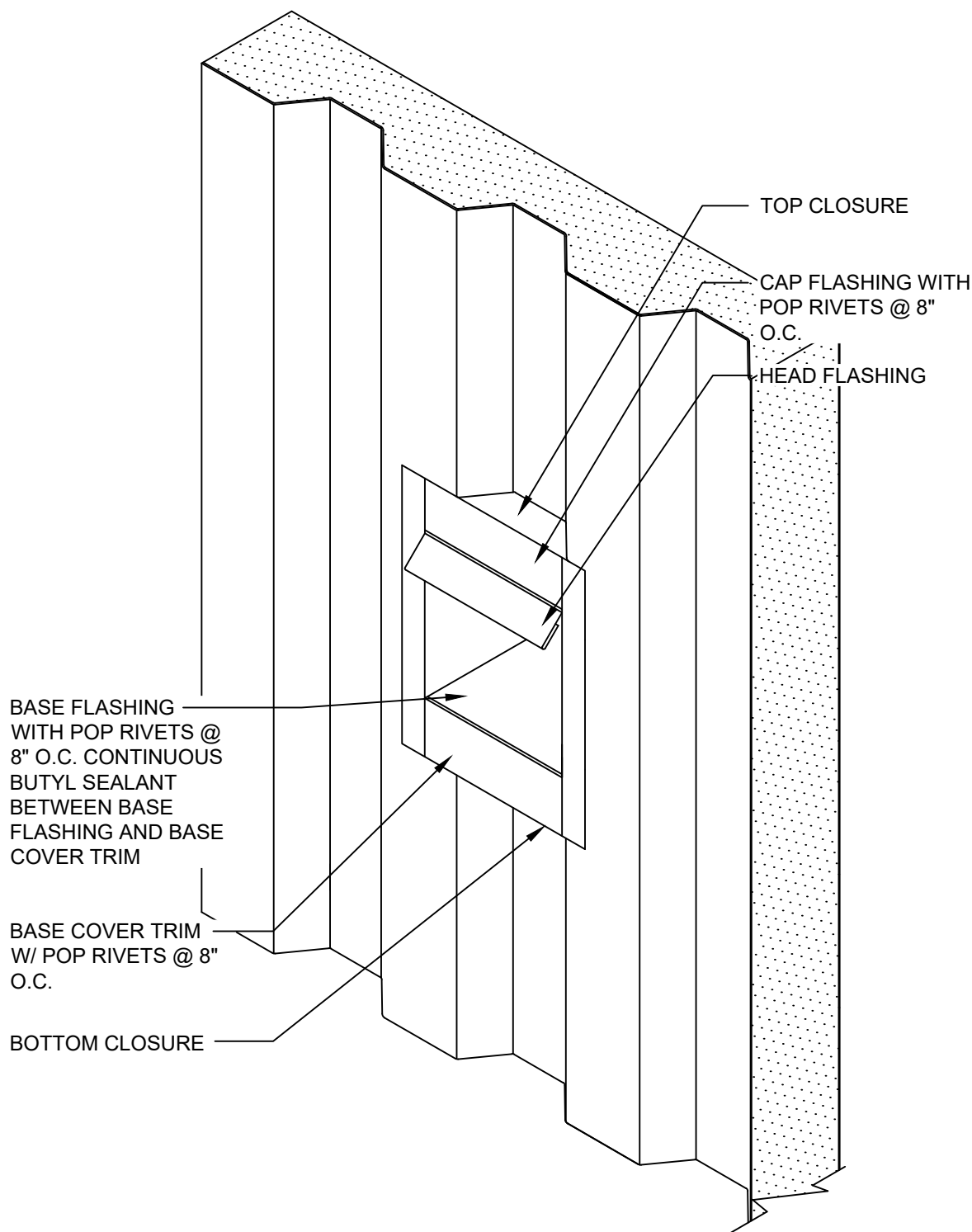
REVISION	
REVISION #	DATE
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BOX PENETRATION
INSTALLATION SEQUENCE

DETAIL #: CI-PE-11-VV
RELEASE: 2022
REGION: NORTH AMERICA
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VALE - VERTICAL INSTALL



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**BOX PENETRATION
INSTALLATION SEQUENCE**

DETAIL #: CI-PE-12-VV

RELEASE: 2022

REGION: NORTH AMERICA

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VALE - VERTICAL INSTALL

REFER TO THE ISOMETRIC
SUPPLEMENTAL DRAWING
FOR FIELD PRE-FABRICATION
OF THE PENETRATION BOX

PENETRATION BOXES VARY
IN SIZE DUE TO PENETRATING
OBJECTS. CONFIRM WITH
KINGSPAN ENGINEERING IF
SUPPORTS ARE REQUIRED

CAP FLASHING WITH
POP RIVETS
@ EACH HIGH RIB

HEAD FLASHING

PERIMETER BUTYL
SEALANT

PERIMETER BUTYL
SEALANT

MENDING PLATE

PERIMETER SEAL
PIPE WITH SILICONE
SEALANT (NOT BY
KINGSPAN)

BASE FLASHING
WITH POP RIVETS @
8" O.C. CONTINUOUS
BUTYL SEALANT
BETWEEN BASE
FLASHING AND BASE
COVER TRIM

BASE COVER TRIM
W/ POP RIVETS
@ EACH HIGH RIB

MENDING PLATE
SHINGLE LAPPED
OVER BASE
FLASHING LEG WITH
CONTINUOUS BUTYL
SEALANT AND POP
RIVETS @ 4" O.C.

FLEX WRAP (SEE
ISOMETRIC FOR
INSTALLATION)

CAP TRIM WITH
CONTINUOUS BUTYL
SEALANT

PPH FASTENERS @
MAXIMUM 4" O.C.

CLOSURE TRIM NOT
SHOWN FOR CLARITY

REVISION

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BOX PENETRATION
SECTION

DETAIL #: CI-PE-13-VV

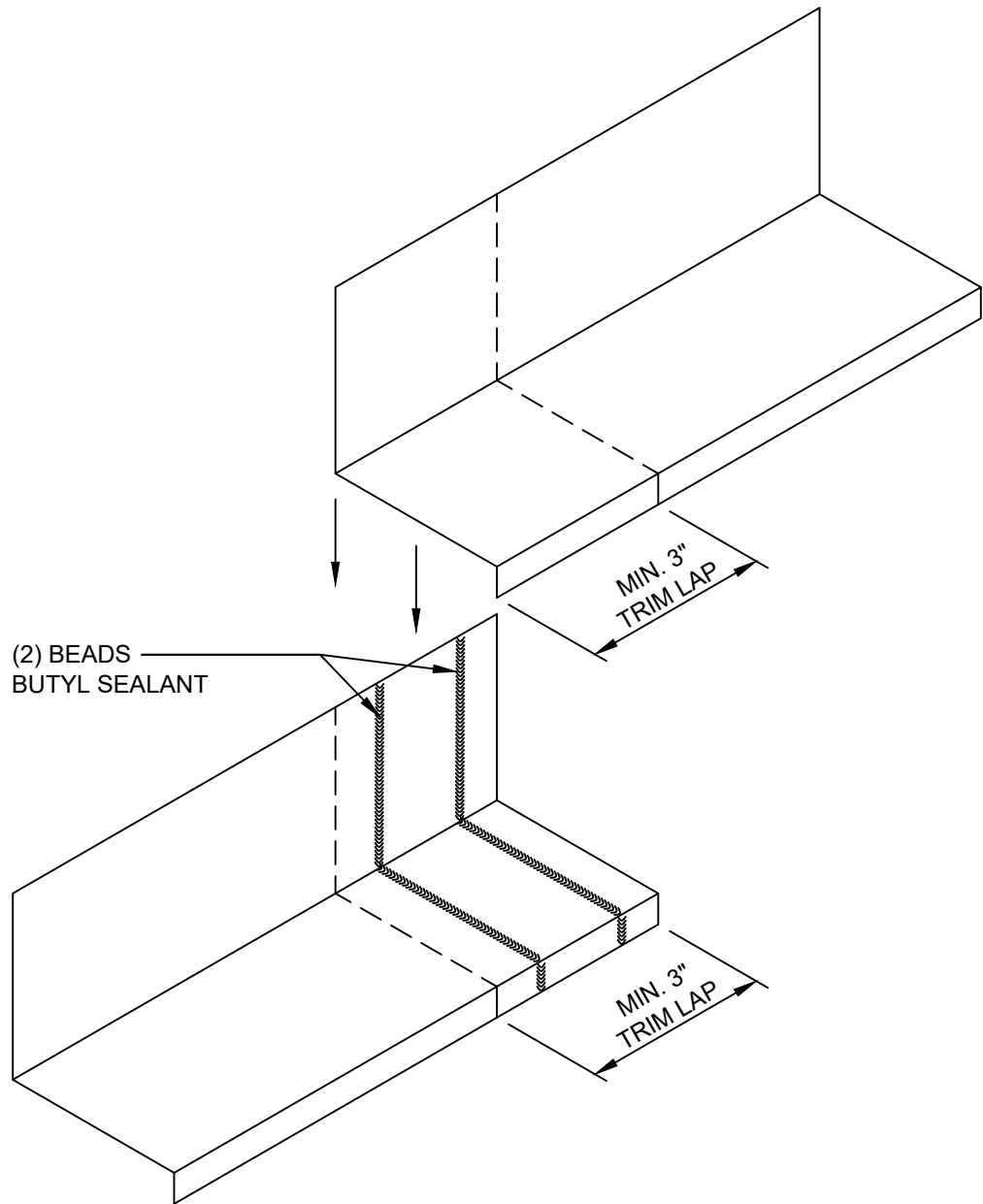
RELEASE: 2022

REGION: NORTH AMERICA

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VALE - VERTICAL INSTALL



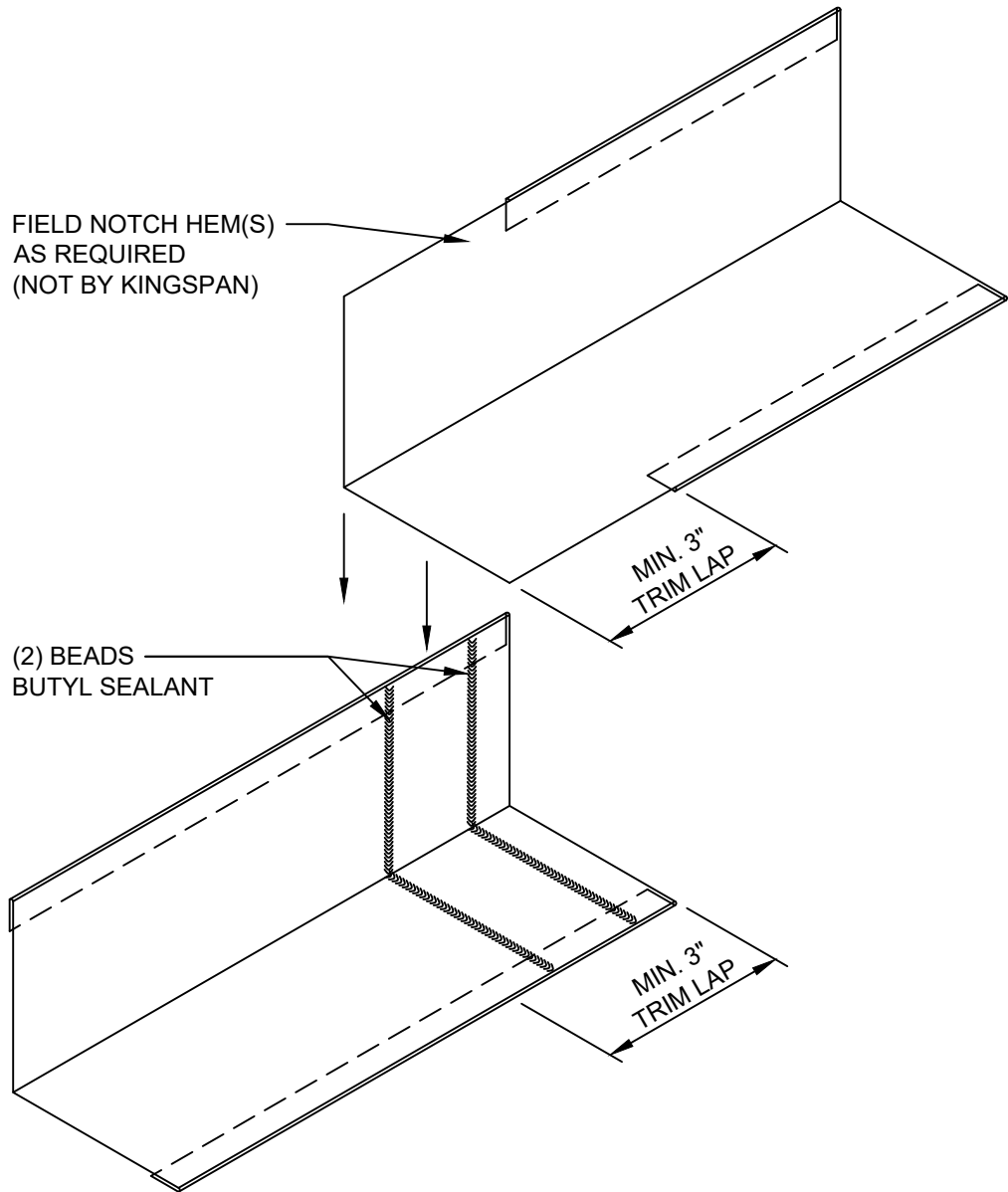
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REVISION #	DATE
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TRIM LAP DETAILS
W/ DRIP EDGE

DETAIL #: CI-TL-01-VV
RELEASE: 2022
REGION: NORTH AMERICA
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VALE - VERTICAL INSTALL



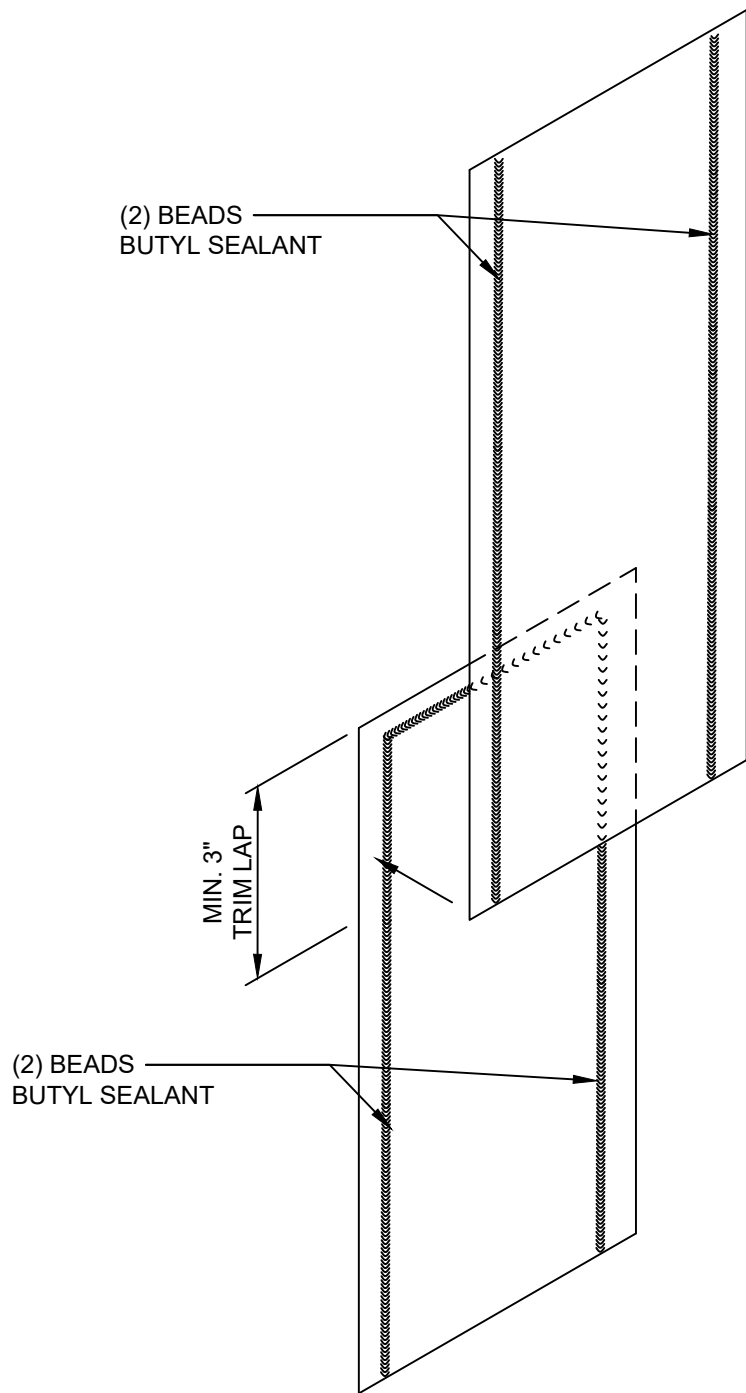
REVISION	
REVISION #	DATE
0	05/18/23

TRIM LAP DETAILS
W/ HEM

DETAIL #: CI-TL-02-VV
RELEASE: 2022
REGION: NORTH AMERICA
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VALE - VERTICAL INSTALL



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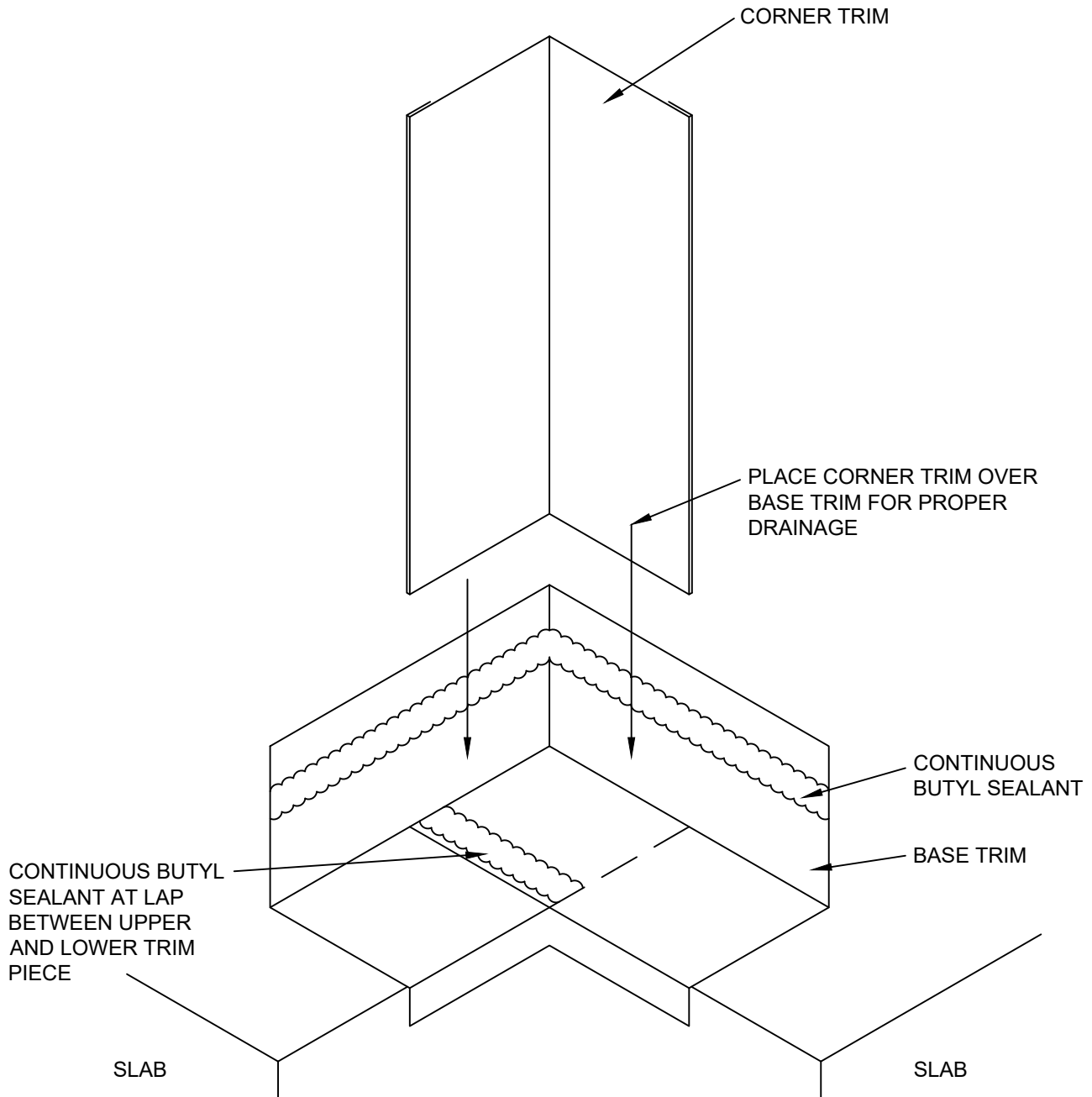
MENDING PLATE
SHINGLE LAP

DETAIL #: CI-TL-03-VV
RELEASE: 2022
REGION: NORTH AMERICA
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VALE - VERTICAL INSTALL

FRAMING NOT SHOWN FOR
CLARITY OF DETAIL



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CORNER TRIM
SEQUENCE

DETAIL #: CI-TL-04-VV

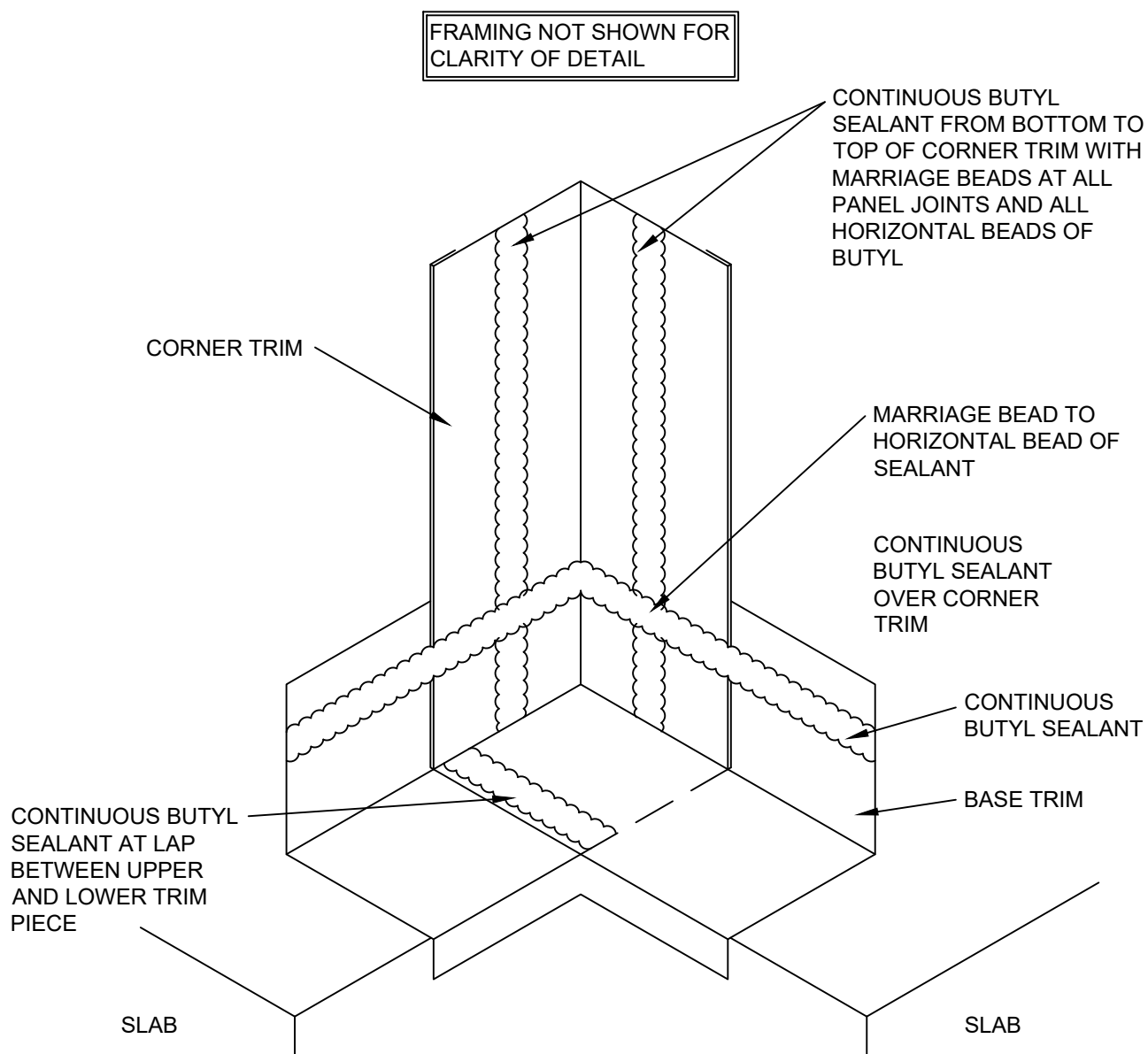
RELEASE: 2022

REGION: NORTH AMERICA

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VALE - VERTICAL INSTALL



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REVISION #	DATE
0	05/18/23

CORNER TRIM
SEQUENCE

DETAIL #: CI-TL-05-VV

RELEASE: 2022

REGION: NORTH AMERICA

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VALE - VERTICAL INSTALL

FRAMING NOT SHOWN FOR
CLARITY OF DETAIL

UPPER CORNER TRIM

TRIM LAP

LOWER CORNER TRIM

3"

LAP UPPER CORNER
TRIM MIN. 3" OVER
LOWER CORNER
TRIM

CONTINUOUS BUTYL
SEALANT FROM BOTTOM TO
TOP OF CORNER TRIM WITH
MARRIAGE BEADS AT ALL
PANEL JOINTS AND ALL
HORIZONTAL BEADS OF
BUTYL

REVISION

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CORNER TRIM
SHINGLE LAP

DETAIL #: CI-TL-06-VV

RELEASE: 2022

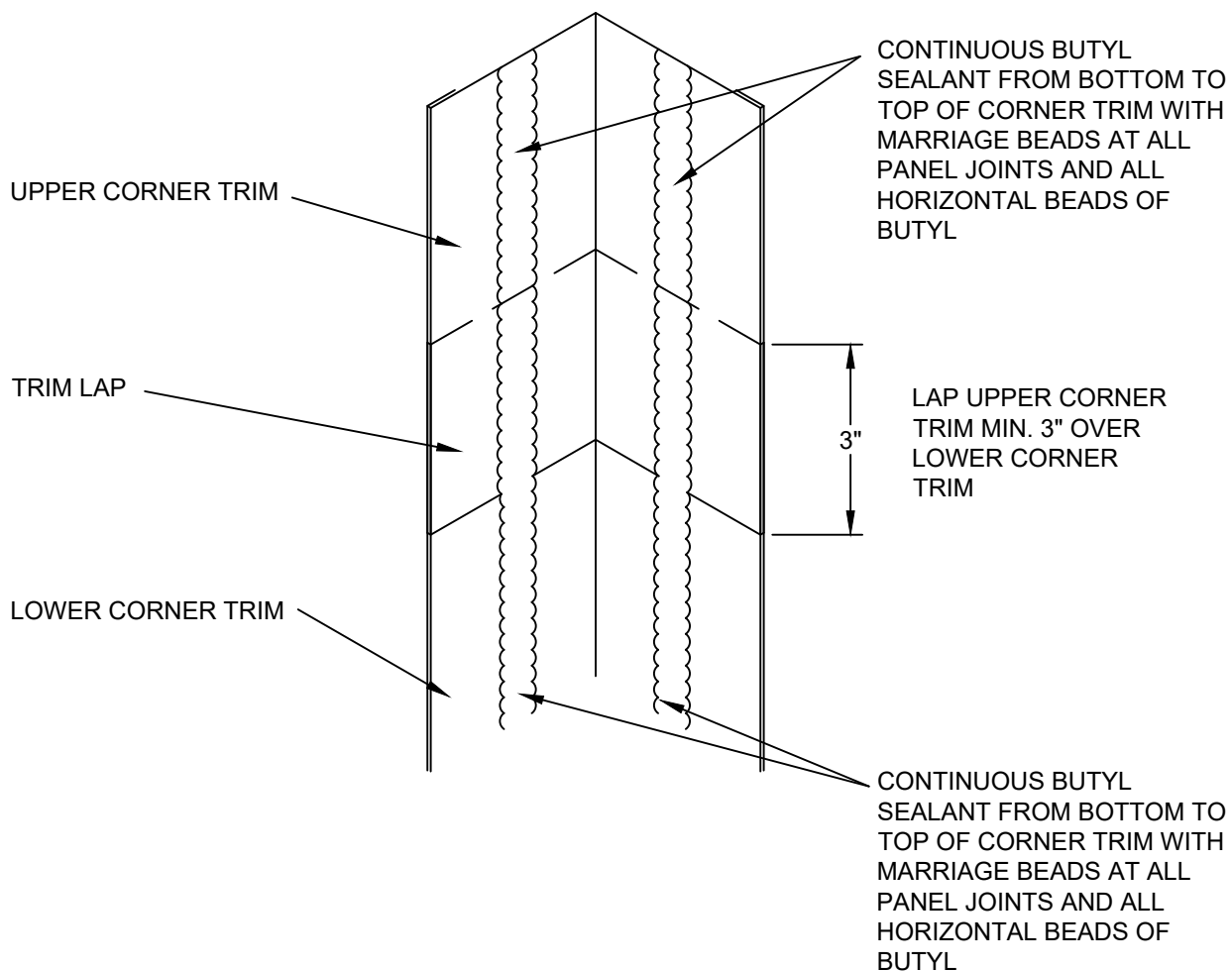
REGION: NORTH AMERICA

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VALE - VERTICAL INSTALL

FRAMING NOT SHOWN FOR
CLARITY OF DETAIL



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CORNER TRIM
SHINGLE LAP

DETAIL #: CI-TL-07-VV

RELEASE: 2022

REGION: NORTH AMERICA

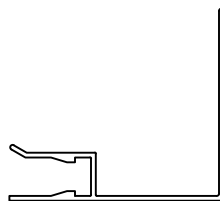
www.kingspanpanels.com



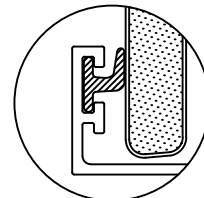
VALE - VERTICAL INSTALL



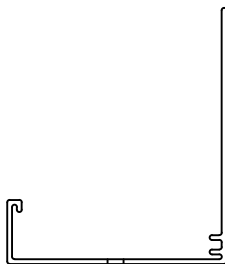
TWO PIECE OPENING
EXTRUSION CAP
PART # 2-0215



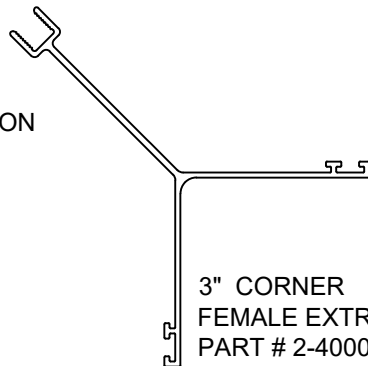
3" TWO PIECE OPENING
EXTRUSION BASE
PART # 2-0269



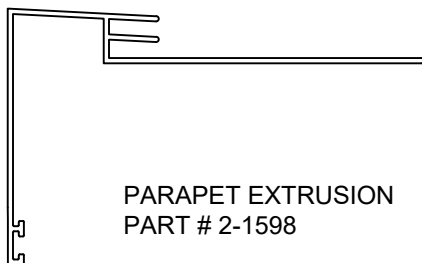
OPTIONAL WIPER
GASKET
(FIELD INSTALLED)



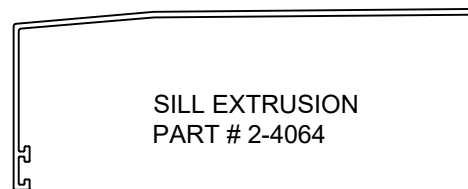
3" CORNER
MALE EXTRUSION
PART # 2-4083



3" CORNER
FEMALE EXTRUSION
PART # 2-4000



PARAPET EXTRUSION
PART # 2-1598



SILL EXTRUSION
PART # 2-4064

REVISION	
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KS SERIES
3" EXTRUSIONS

DETAIL #: CI-EX-01-VV

RELEASE: 2022

REGION: NORTH AMERICA

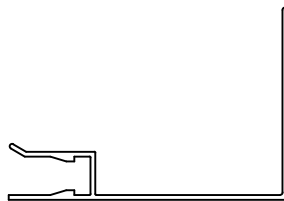
www.kingspanpanels.com



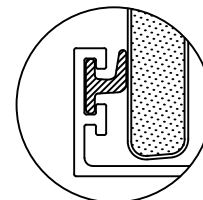
VALE - VERTICAL INSTALL



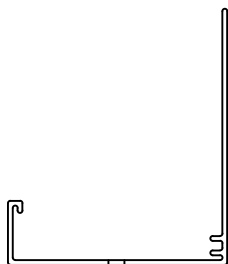
TWO PIECE OPENING
EXTRUSION CAP
PART # 2-0215



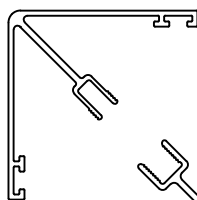
4" TWO PIECE OPENING
EXTRUSION BASE
PART # 2-4266



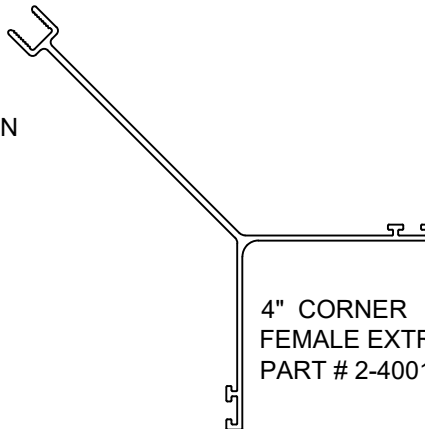
OPTIONAL WIPER
GASKET
(FIELD INSTALLED)



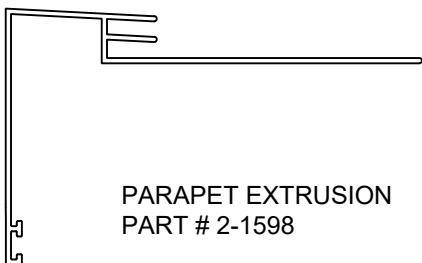
4" BASE "B" EXTRUSION
PART # 2-4097



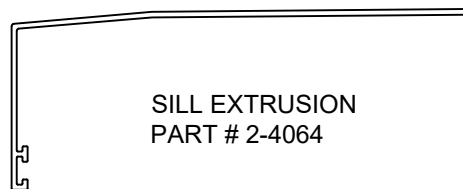
4" CORNER
MALE EXTRUSION
PART # 2-4083



4" CORNER
FEMALE EXTRUSION
PART # 2-4001



PARAPET EXTRUSION
PART # 2-1598



SILL EXTRUSION
PART # 2-4064

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REVISION #	DATE
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KS SERIES
4" EXTRUSIONS

DETAIL #: CI-EX-02-VV

RELEASE: 2022

REGION: NORTH AMERICA

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