

VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

REVISION

0	4/8/22

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DETAIL #: KPV-XX-XX-MTLH

RELEASE: 2022

REGION: NORTH AMERICA

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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

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.

TO ENSURE YOU ARE VIEWING THE MOST RECENT AND ACCURATE PRODUCT INFORMATION, PLEASE VISIT WWW.KINGSPANPANELS.COM

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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

CORE DEPTHS:
2", 2.5", 3", 4", 5", 6"

STEEL GAUGES:
EXTERIOR: 26, 24, 22
INTERIOR: 26, 24, 22

MODULE WIDTH: 24", 30", 36", 40, 42"

PANEL ORIENTATION: VERTICAL

REVEAL: $\frac{3}{8}$ "
KARRIER CONFIGURATION
REQUIRES $\frac{3}{8}$ " REVEAL

EMBOSSING:

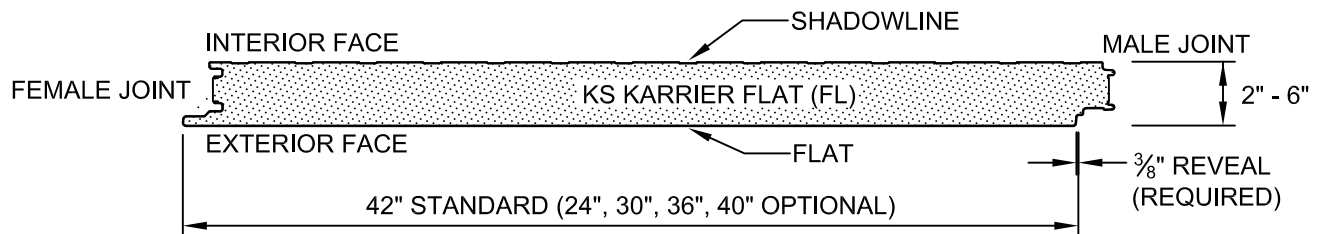
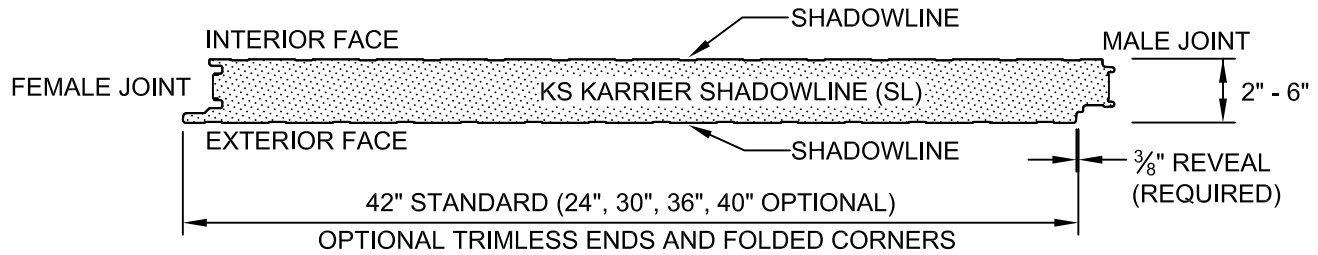
EXTERIOR: STUCCO / NON-EMBOSSSED

INTERIOR: STUCCO / NON-EMBOSSSED

LENGTHS:

MINIMUM: 8'-0"

MAXIMUM: 53'-0"



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PANEL PROFILES

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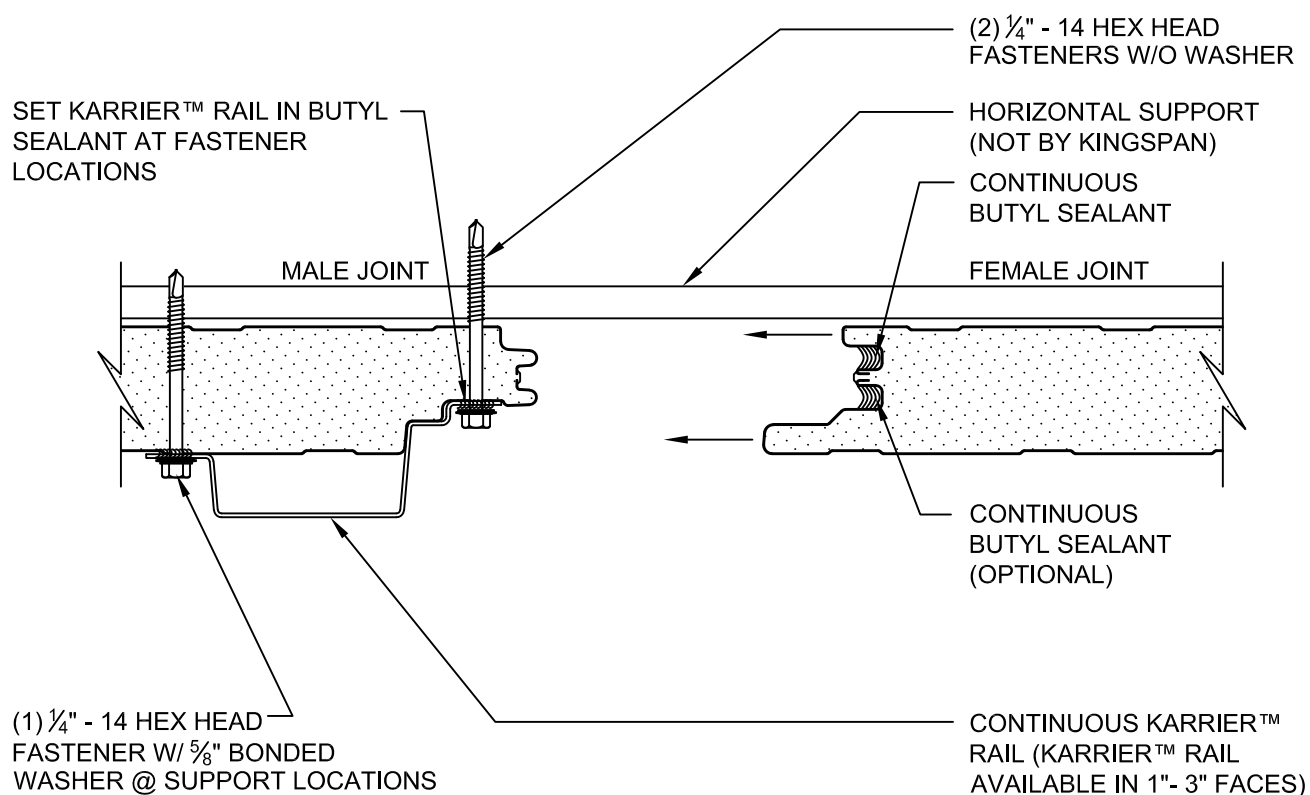
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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE $\frac{5}{8}$ " THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)



WALL PANEL INSTALLATION DIRECTION →

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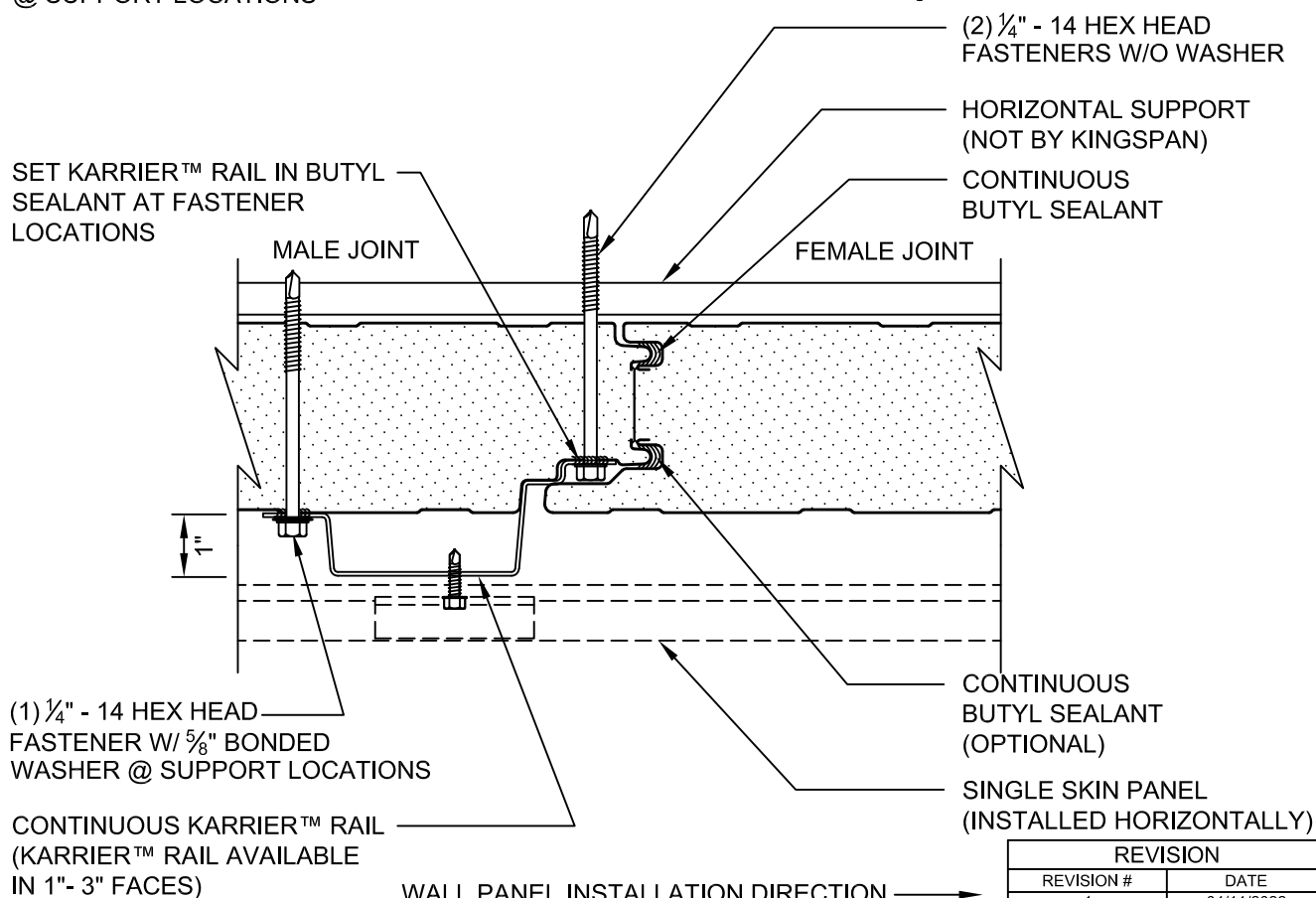
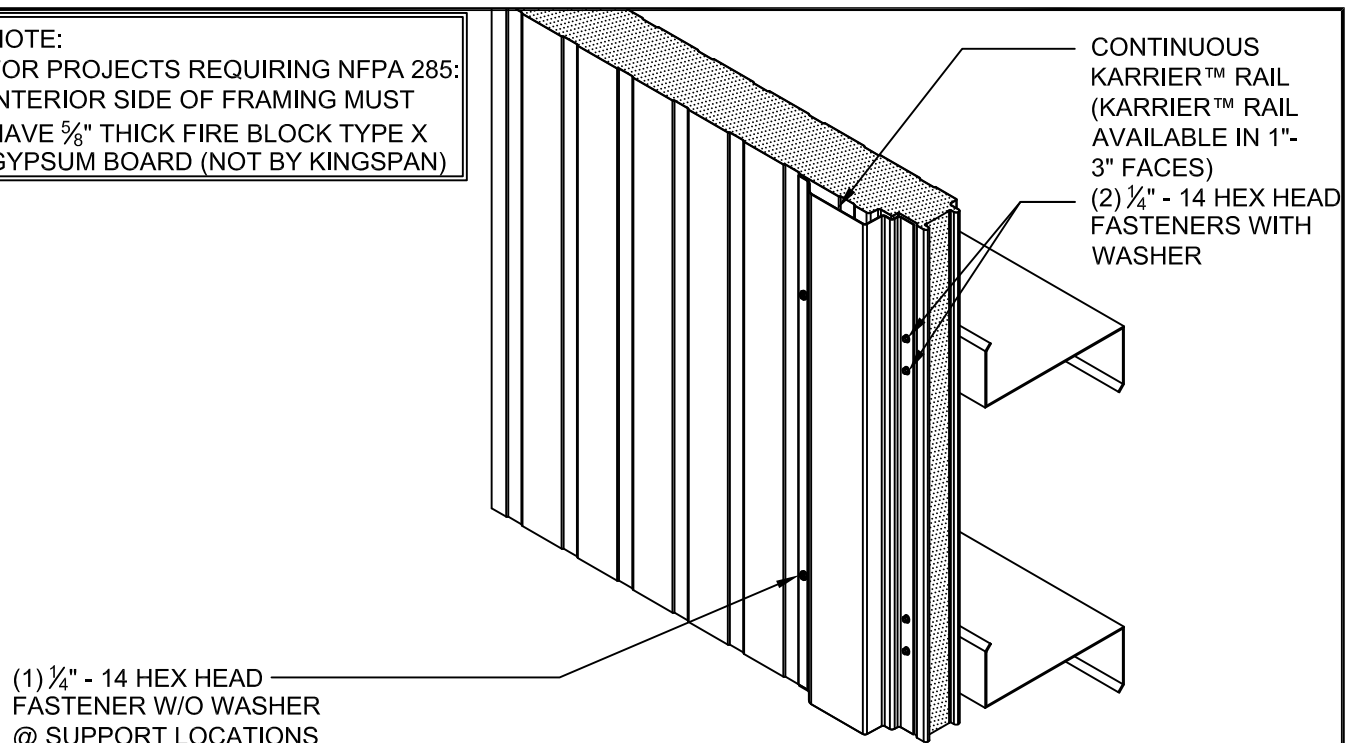
EXPANDED PANEL
JOINT

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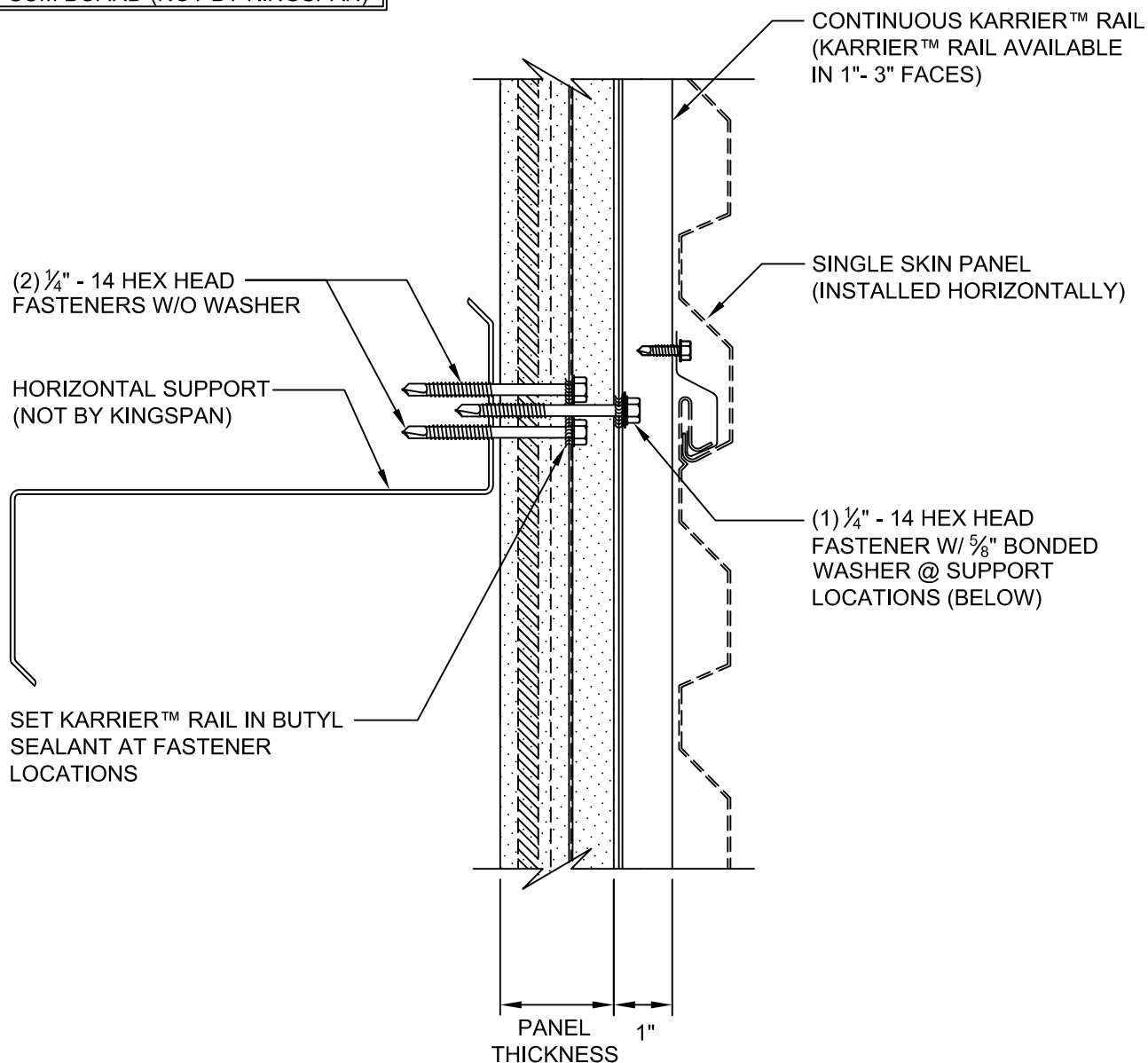
ENGAGED PANEL JOINT

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NOTE:
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INTERMEDIATE
SUPPORT

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NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

FLOOR SLAB, FRAMING
AND OTHER MATERIALS
(NOT BY KINGSPAN)

KARRIER PANEL
INSTALLED
VERTICALLY

FACADE PANEL
(INSTALLED
HORIZONTALLY)

F.F.

8" MIN

COMPLETELY FILL VOID BETWEEN
INSULATED METAL PANEL SYSTEM
AND FACADE WITH MIN 4PSI
CONTINUOUS FIRE BLOCKING AT
EACH FLOOR LINE
(NOT BY KINGSPAN)

INSULATION WASHER
AND FASTENERS @
12" O.C.
(NOT BY KINGSPAN)

NOTE:
FASTENING AND OTHER MATERIALS
NOT SHOWN FOR CLARITY OF
DETAIL

VOID

REVISION

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MULTI-STORY FIRE
STOPPING DETAIL

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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE $\frac{5}{8}$ " THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

NOTE:
FASTENING AND OTHER MATERIALS
NOT SHOWN FOR CLARITY OF
DETAIL

FLOOR SLAB, FRAMING
AND OTHER MATERIALS
(NOT BY KINGSPAN)

COMPLETELY FILL VOID
BETWEEN INSULATED
METAL PANEL SYSTEM AND
FACADE WITH MIN. 4 PSI
CONTINUOUS FIRE
BLOCKING AT EACH FLOOR
LINE
(NOT BY KINGSPAN)

INSULATION WASHER AND
FASTENERS @ 12" O.C.
(NOT BY KINGSPAN)

KARRIER PANEL AND RAIL
INSTALLED VERTICALLY

FACADE PANEL
(INSTALLED
HORIZONTALLY)

REVISION

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MULTI-STORY FIRE
STOPPING ASSEMBLY

DETAIL #: KPV-FS-02-MTLH

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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE $\frac{5}{8}$ " THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

CONTINUOUS KARRIER™ RAIL
(KARRIER™ RAIL AVAILABLE
IN 1"- 3" FACES)

SINGLE SKIN PANEL
(INSTALLED
HORIZONTALLY)

(1) $\frac{1}{4}$ " - 14 HEX HEAD
FASTENER W/ $\frac{5}{8}$ " BONDED
WASHER @ SUPPORT
LOCATIONS
(BEYOND)

SINGLE SKIN PANEL
CONTINUOUS STARTER/
FLASHING

SINGLE SKIN PANEL
BASE FLASHING

CONTINUOUS BUTYL SEALANT
BELOW BASE FLASHING

SET KARRIER™ RAIL IN BUTYL
SEALANT AT FASTENER
LOCATIONS

(2) $\frac{1}{4}$ " - 14 HEX HEAD FASTENERS
W/O WASHER

CONTINUOUS BUTYL
SEALANT BOTH SIDES OF
TRIM WITH MARRIAGE BEAD
TO VERTICAL PANEL JOINT

FASTENER TO CONCRETE
(NOT BY KINGSPAN)

BASE ANGLE W/ MINIMUM 3"
VERT. LEG FOR PANEL
ATTACHMENT SET IN SEALANT
(NOT BY KINGSPAN)

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BASE DETAIL
FLUSH

DETAIL #: KPH-BS-01-MTLV

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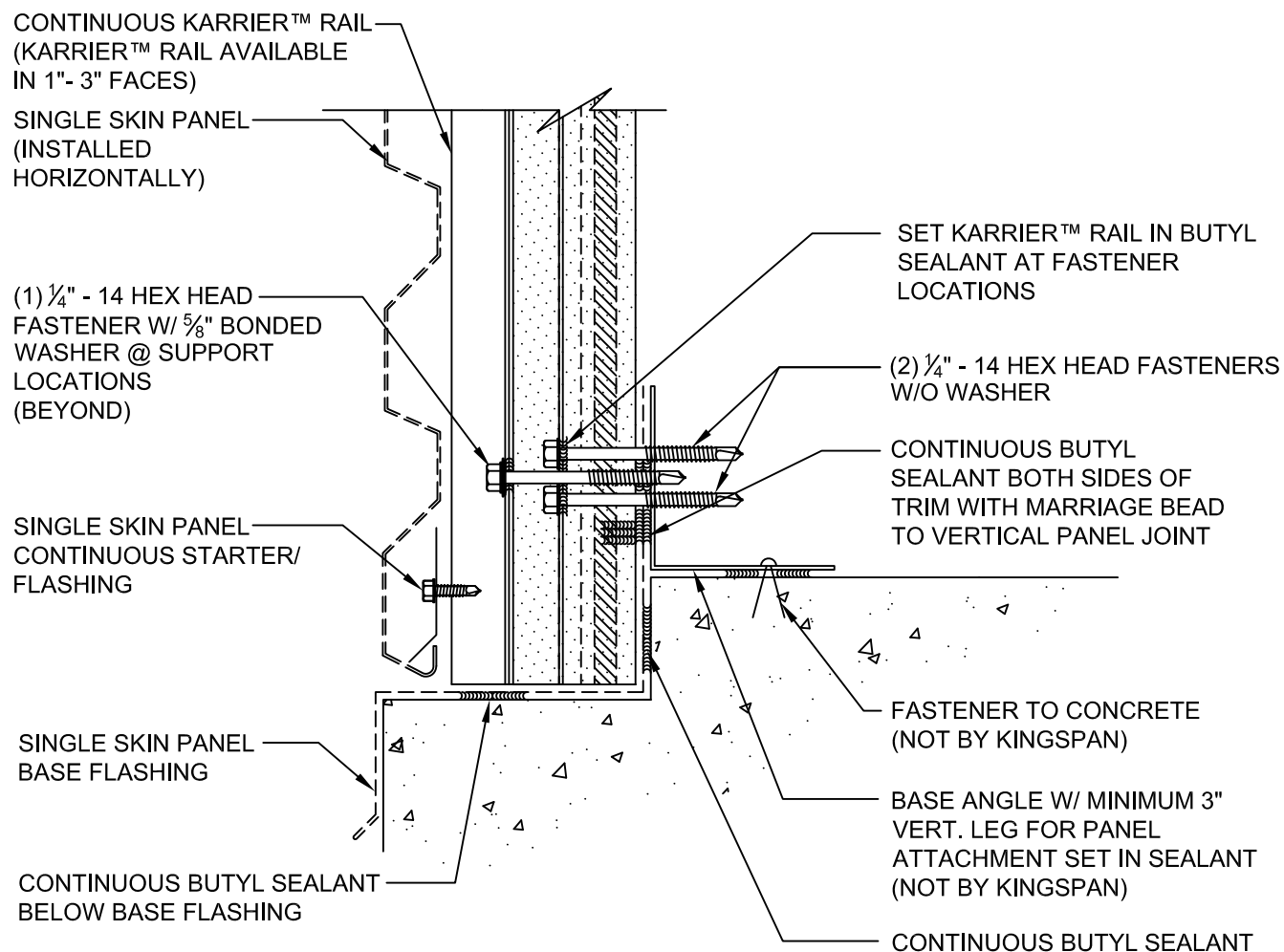
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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)



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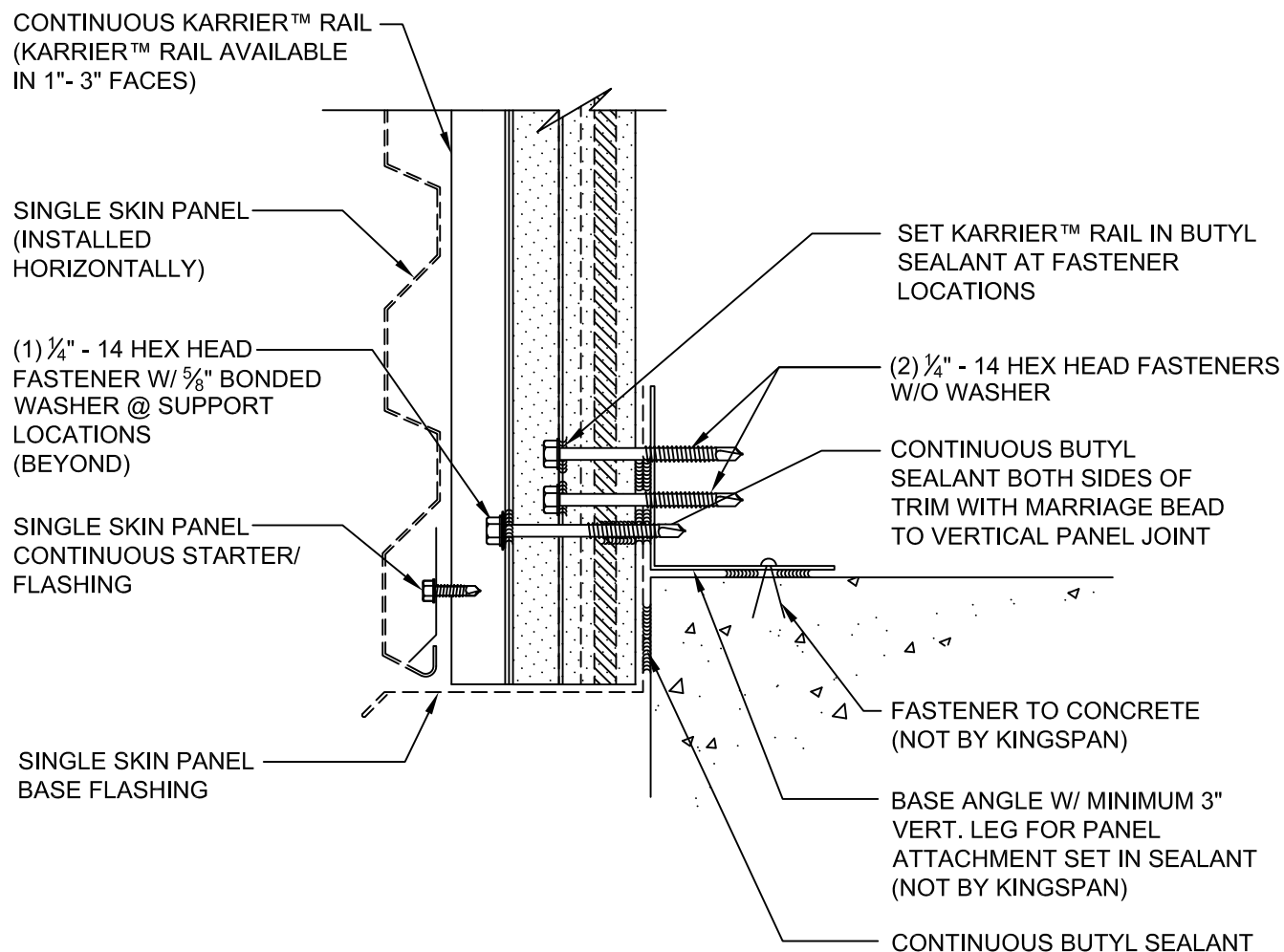
BASE AT NOTCHED
CONCRETE

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BASE AT OVERHANG

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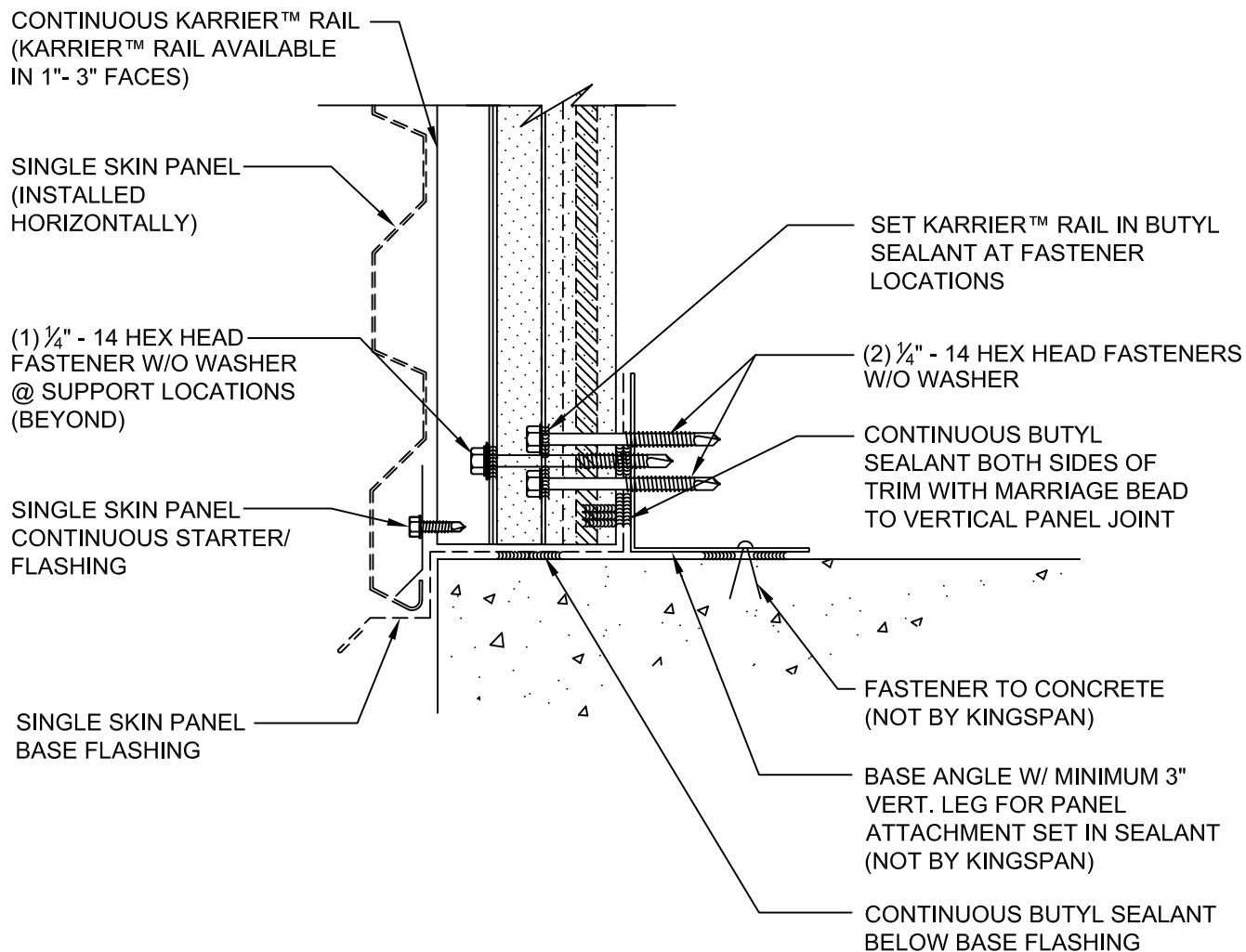
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BASE AT OVERHANG

DETAIL #: KPV-BS-04-MTLH

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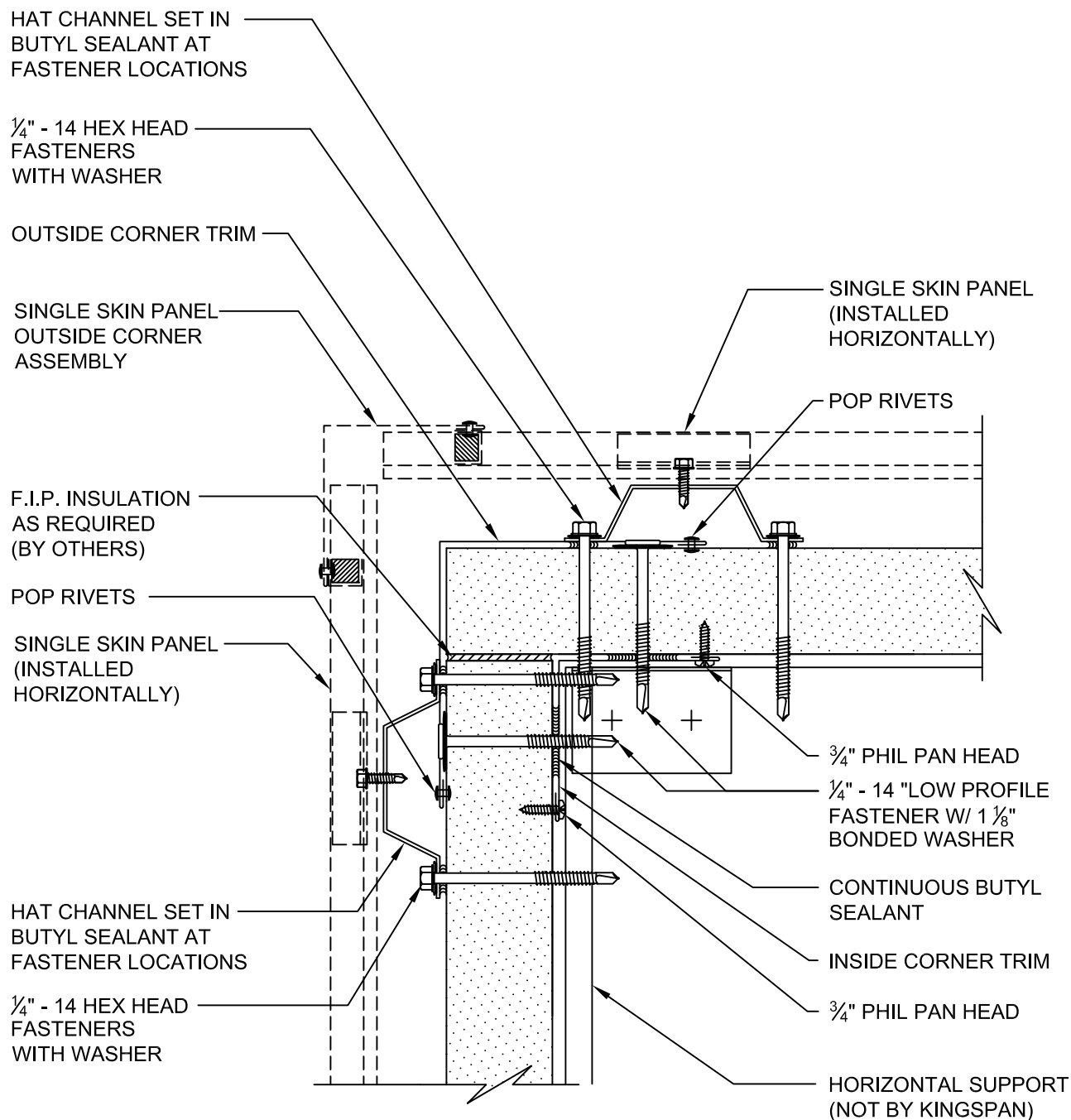
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NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE 5/8\"

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OUTSIDE CORNER

DETAIL #: KPV-OC-01-MTLH

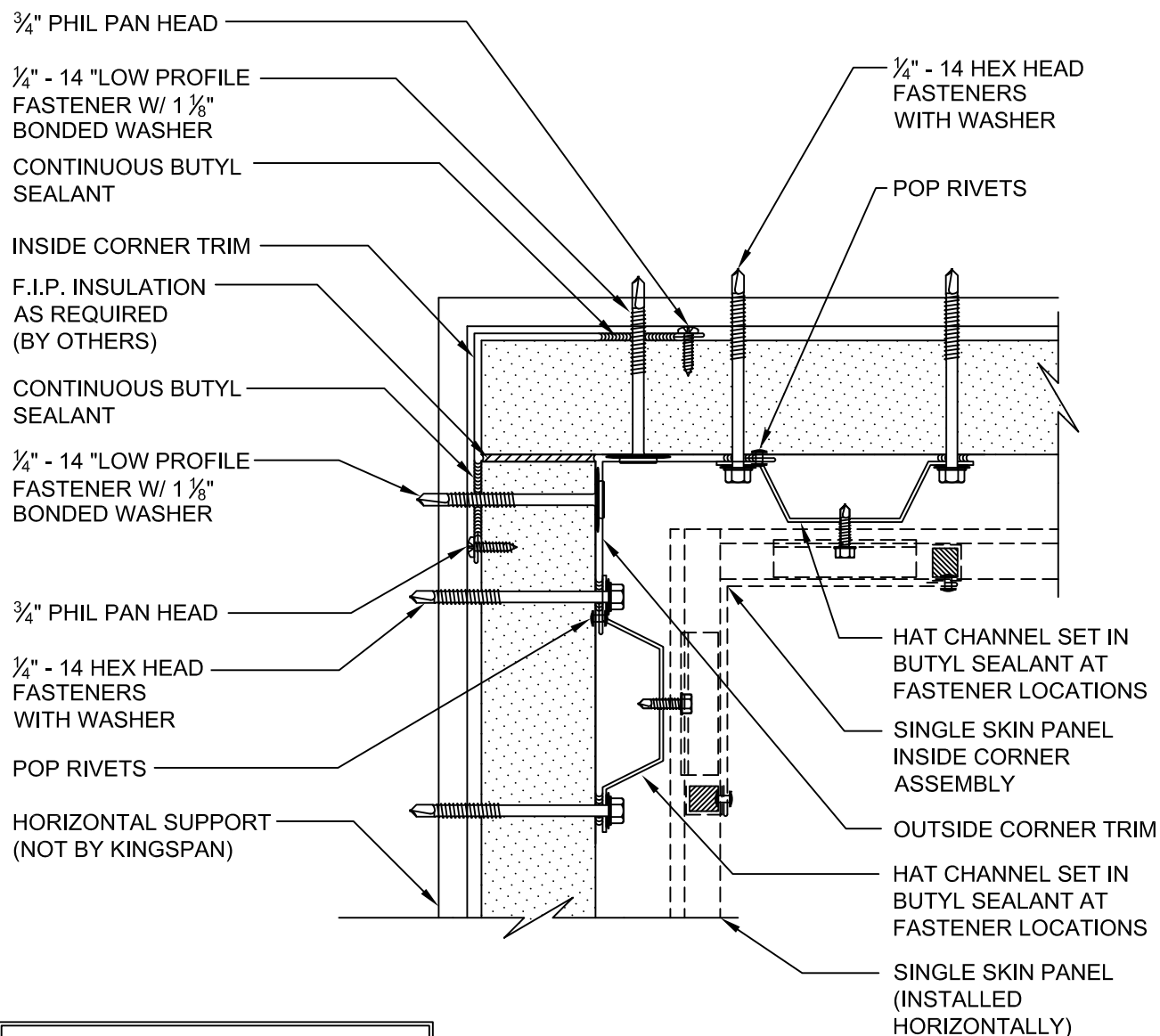
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NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
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GYPSUM BOARD (NOT BY KINGSPAN)

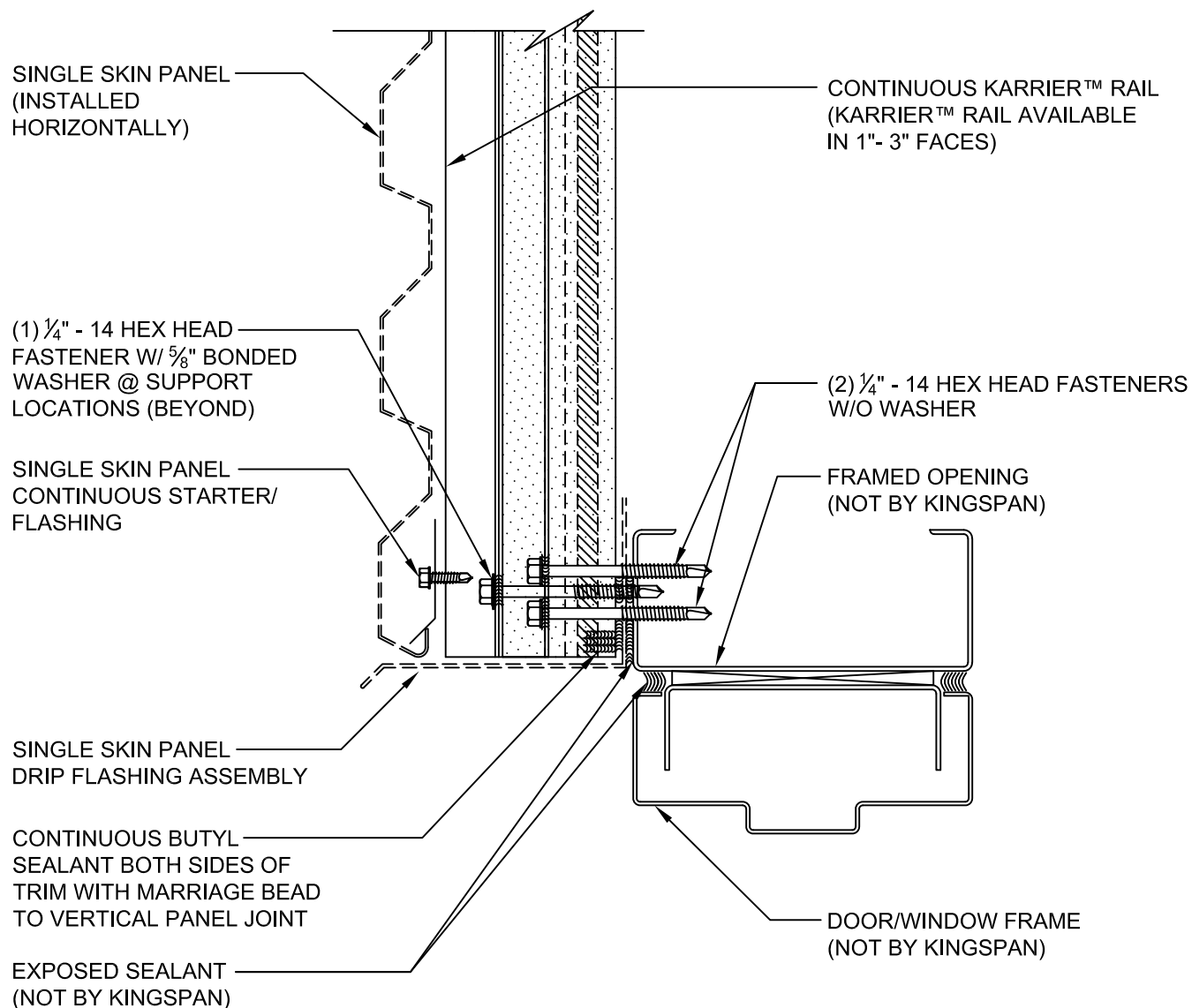
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INSIDE CORNER

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NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
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GYPSUM BOARD (NOT BY KINGSPAN)

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**FRAMED OPENING
HEAD**

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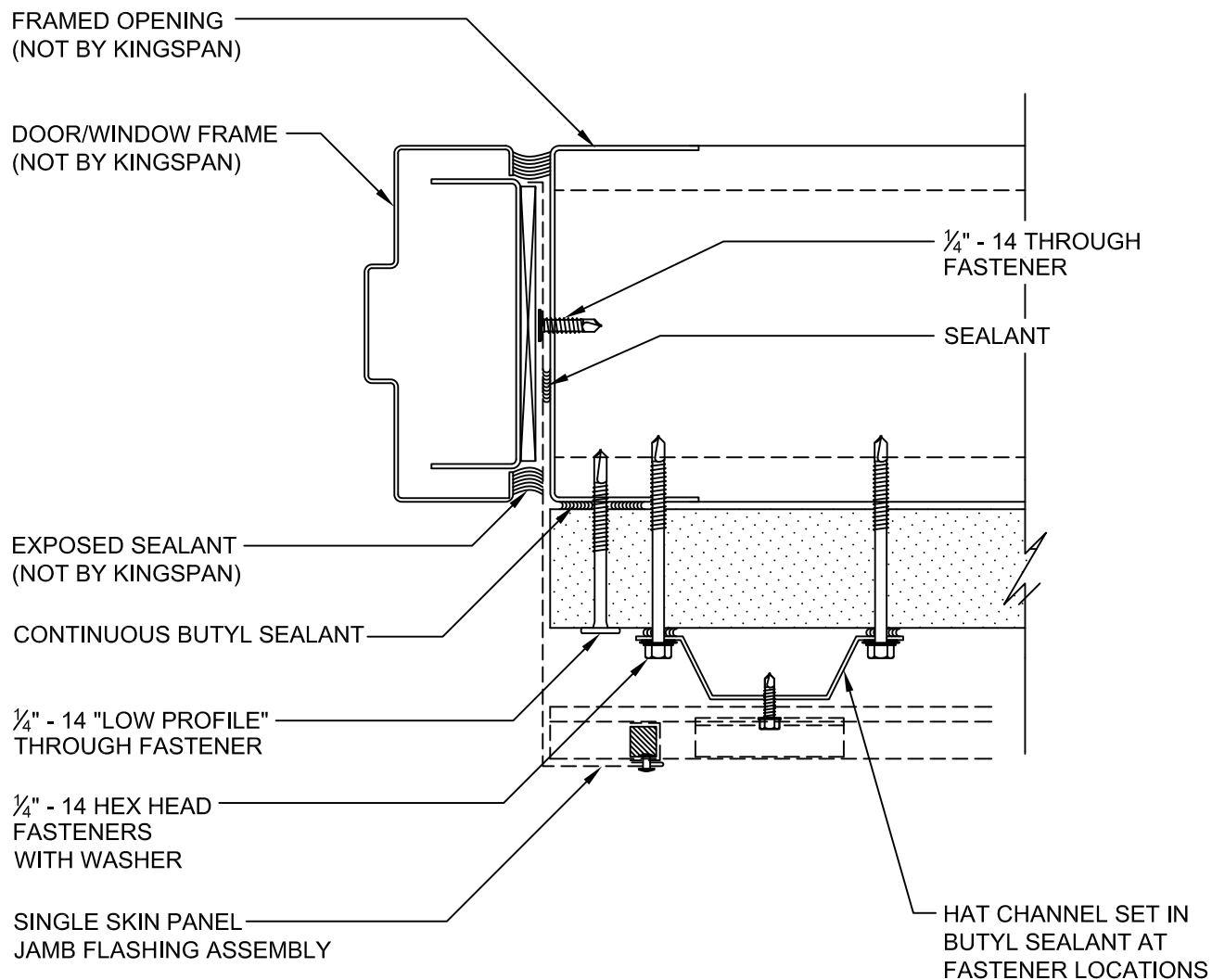
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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE



NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

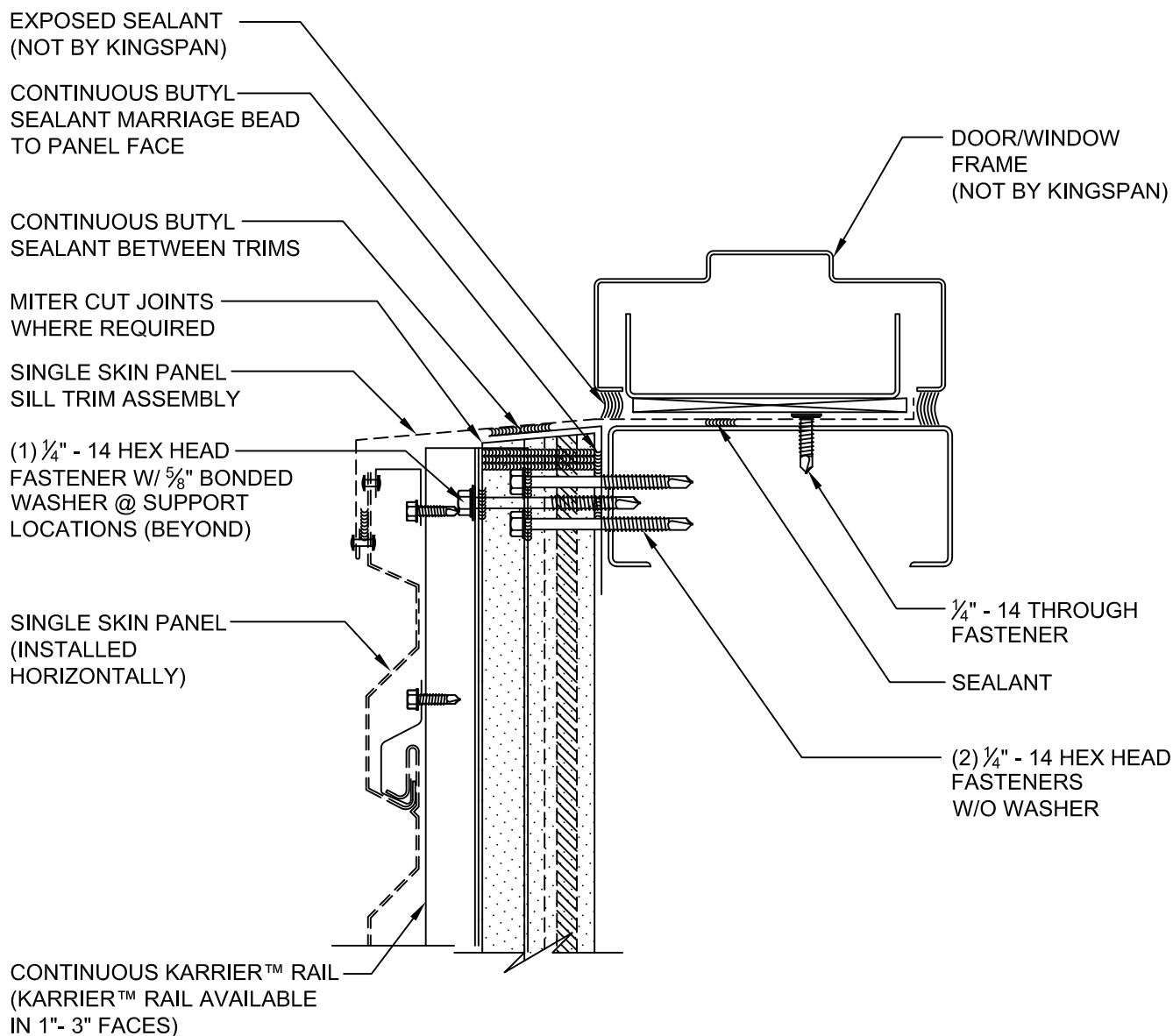
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**FRAMED OPENING
JAMB**

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NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE 5/8\"

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FRAMED OPENING SILL

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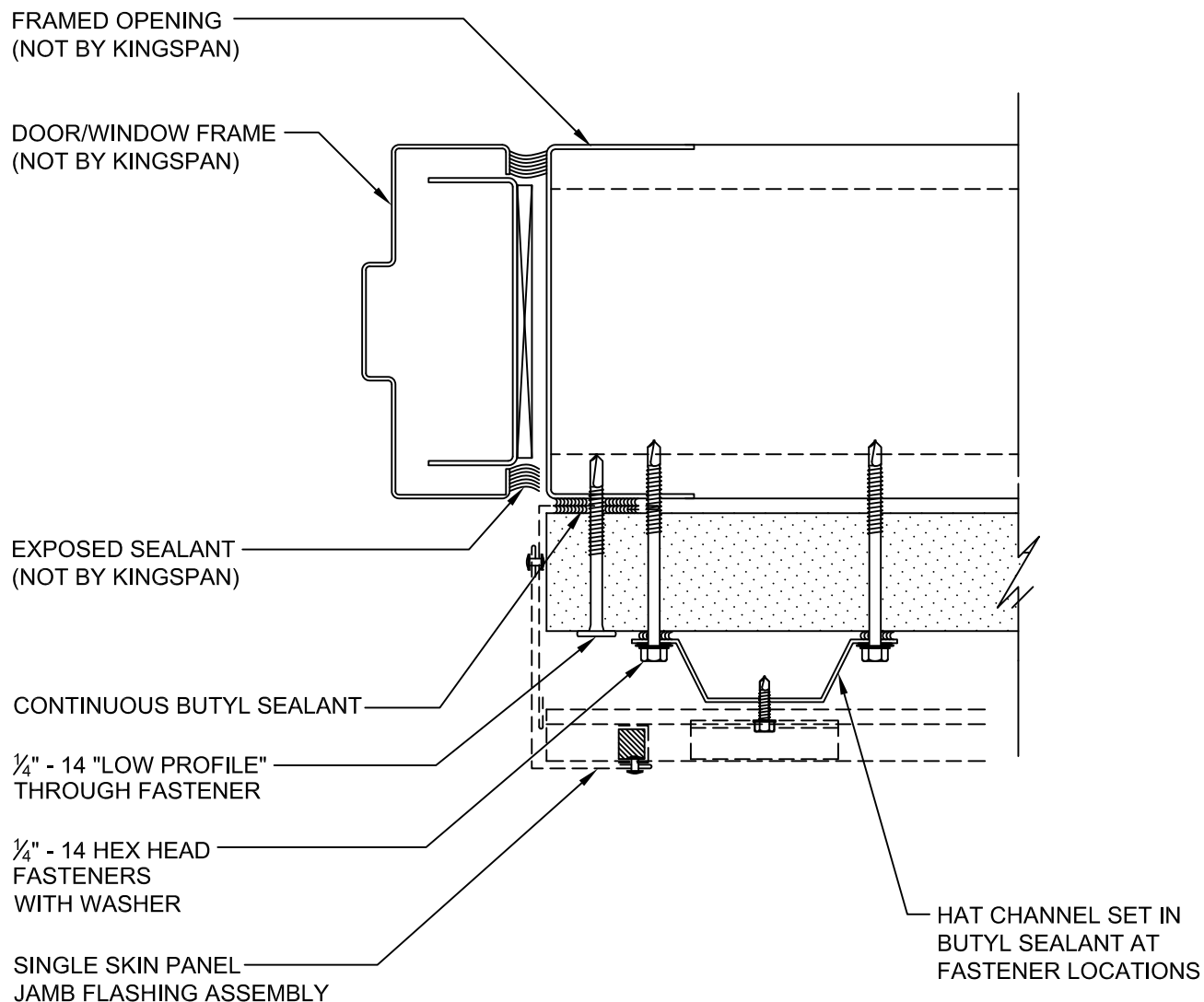
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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE



NOTE:
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INTERIOR SIDE OF FRAMING MUST
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GYPSUM BOARD (NOT BY KINGSPAN)

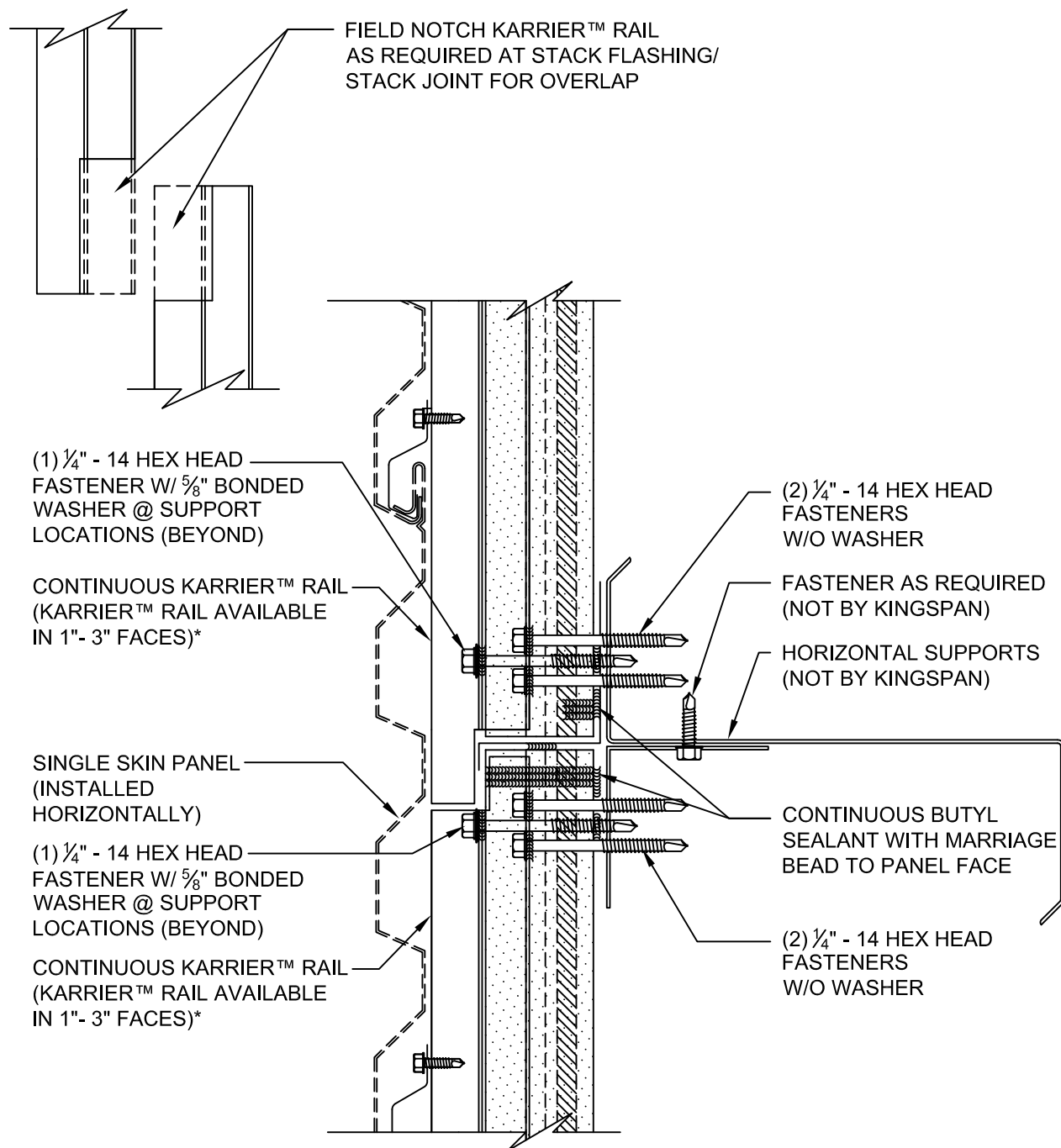
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**FRAMED OPENING
JAMB**

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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE



NOTE: FIELD NOTCH KARRIER™ RAIL AS REQUIRED

NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

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STACK JOINT

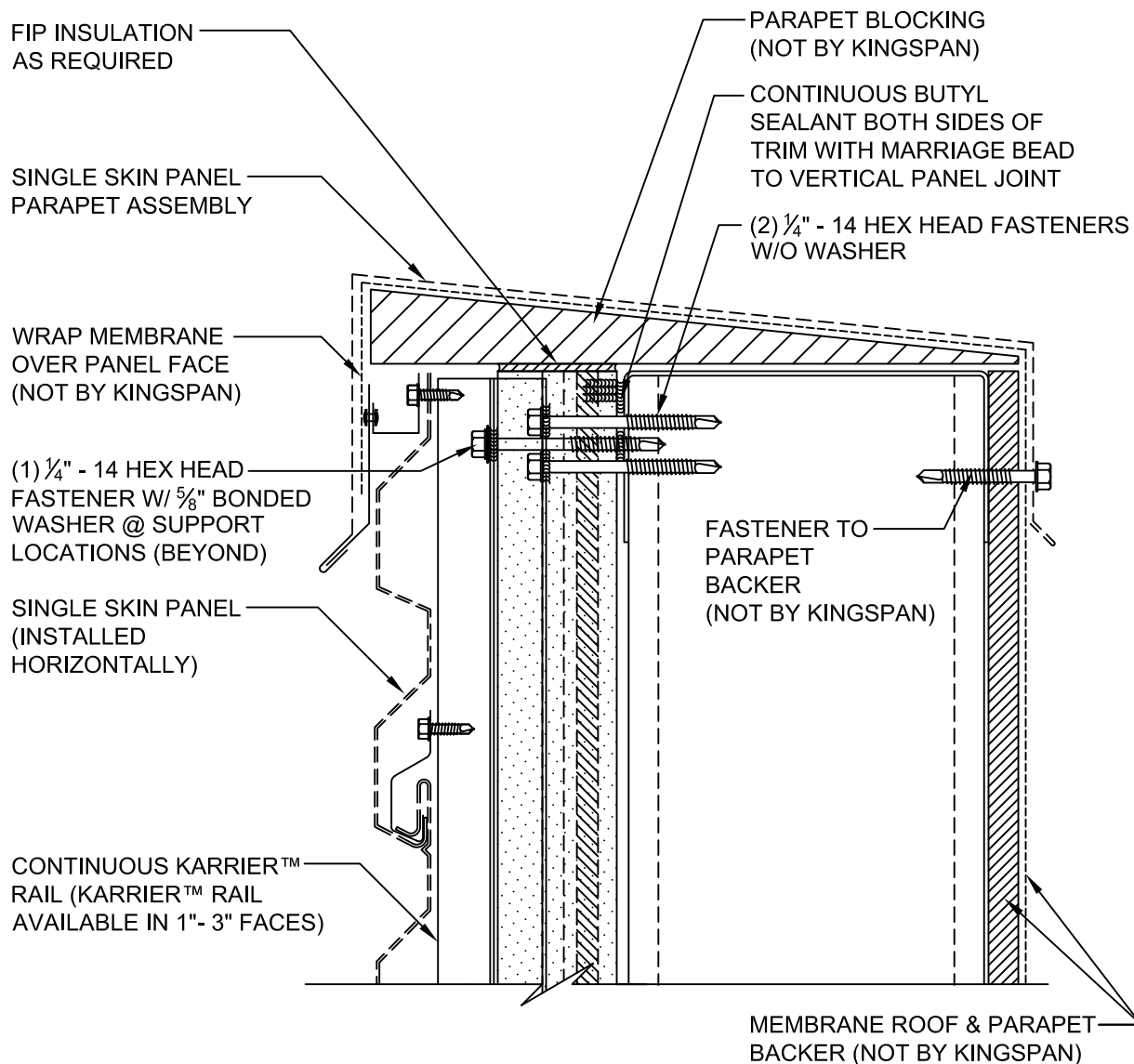
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PARAPET DETAIL

DETAIL #: KPV-PR-01-MTLH

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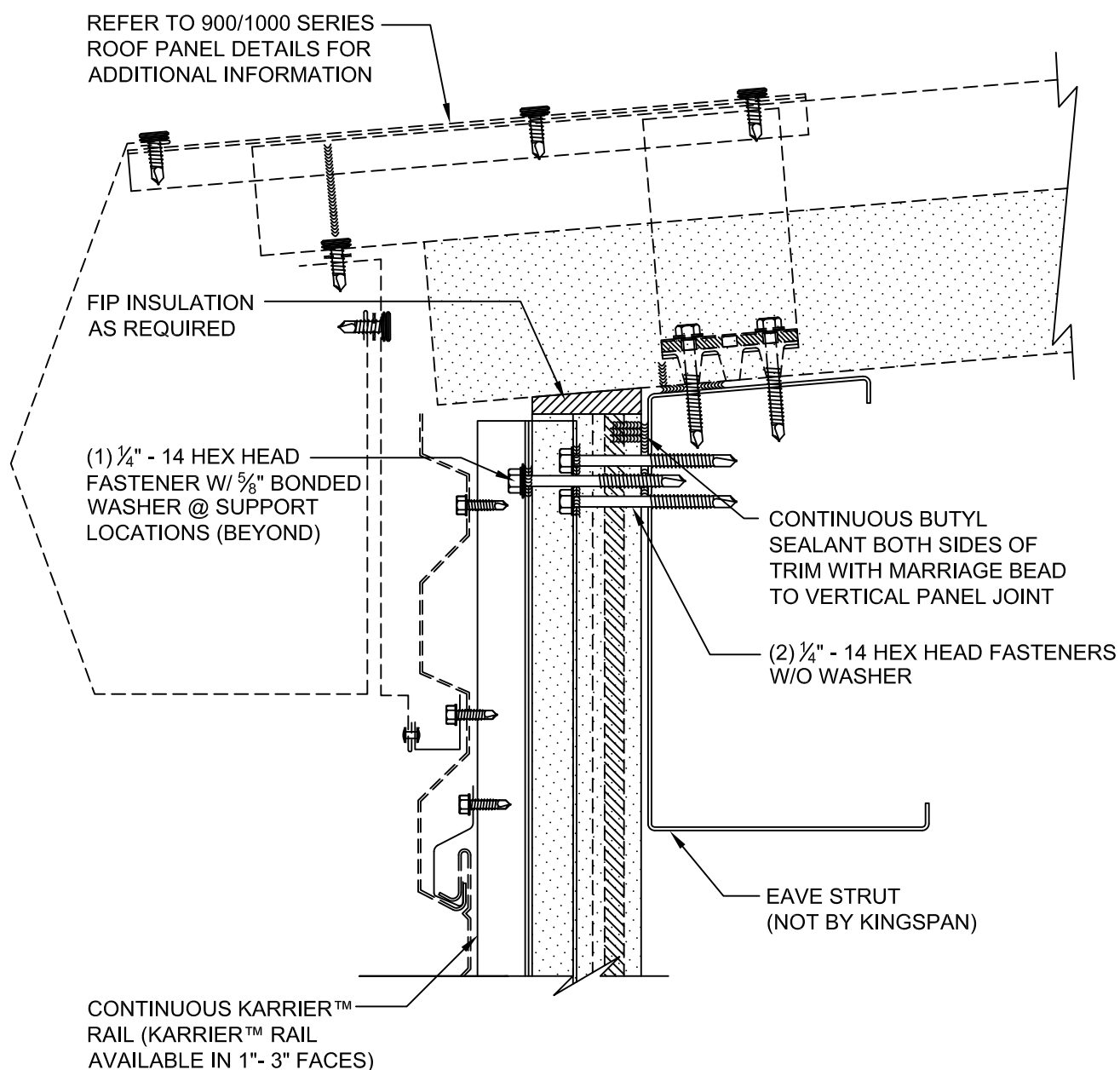
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REVISION	
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LOW EAVE DETAIL

DETAIL #: KPV-LE-01-MTLH

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INTERIOR SIDE OF FRAMING MUST
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GYPSUM BOARD (NOT BY KINGSPAN)

REFER TO 900/1000 SERIES
ROOF PANEL DETAILS FOR
ADDITIONAL INFORMATION

RAKE ANGLE
(NOT BY KINGSPAN)

FIP INSULATION
AS REQUIRED

(1) $\frac{1}{4}$ " - 14 HEX HEAD
FASTENER W/ $\frac{5}{8}$ " BONDED
WASHER @ SUPPORT
LOCATIONS (BEYOND)

CONTINUOUS BUTYL
SEALANT BOTH SIDES OF
TRIM WITH MARRIAGE BEAD
TO PANEL FACE

(2) $\frac{1}{4}$ " - 14 HEX HEAD FASTENERS
W/O WASHER

RAKE ANGLE
(NOT BY KINGSPAN)

CONTINUOUS KARRIER™
RAIL (KARRIER™ RAIL
AVAILABLE IN 1"- 3" FACES)

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RAKE DETAIL

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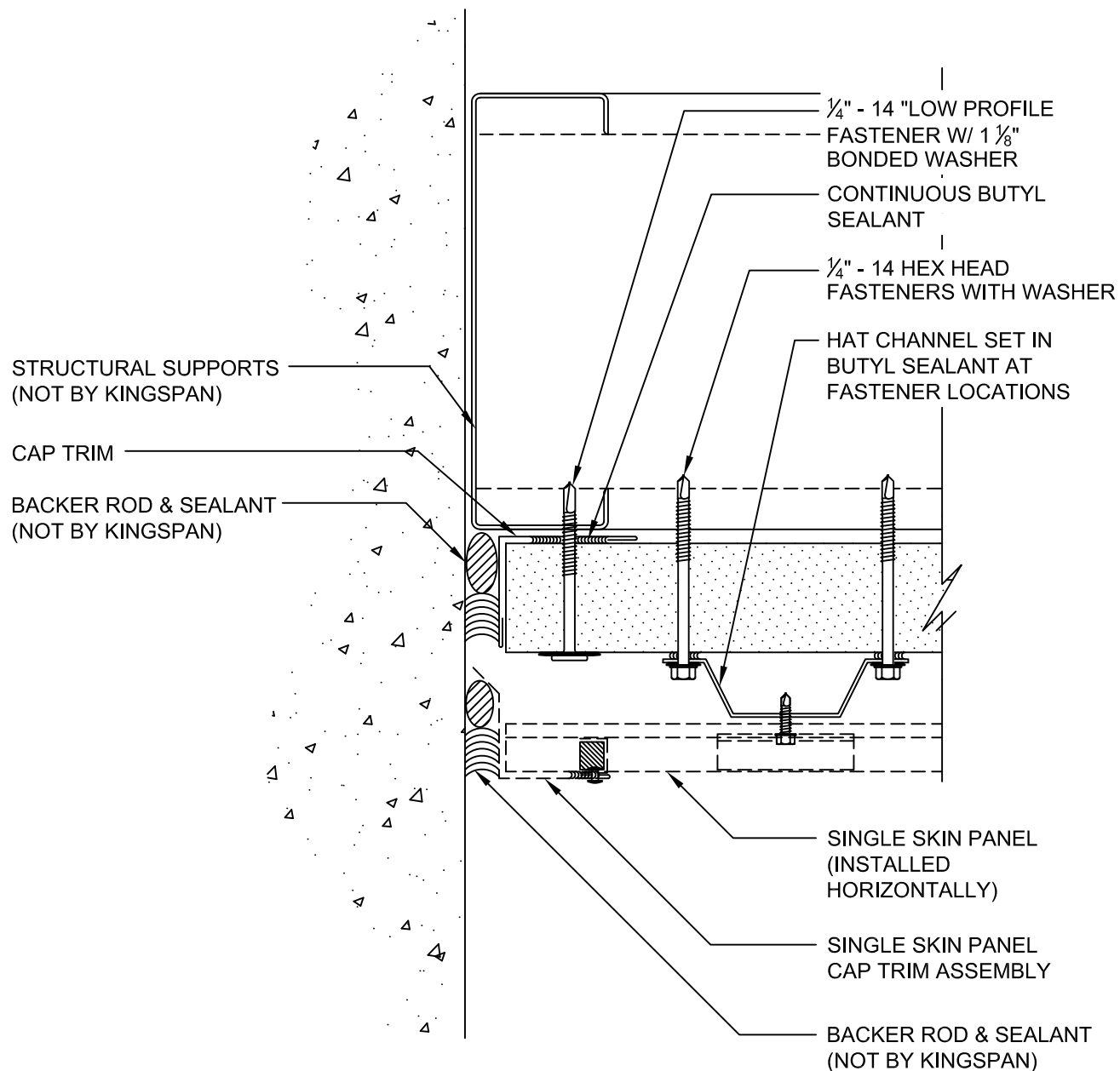
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PANEL TERMINATION

DETAIL #: KPV-TP-01-MTLH

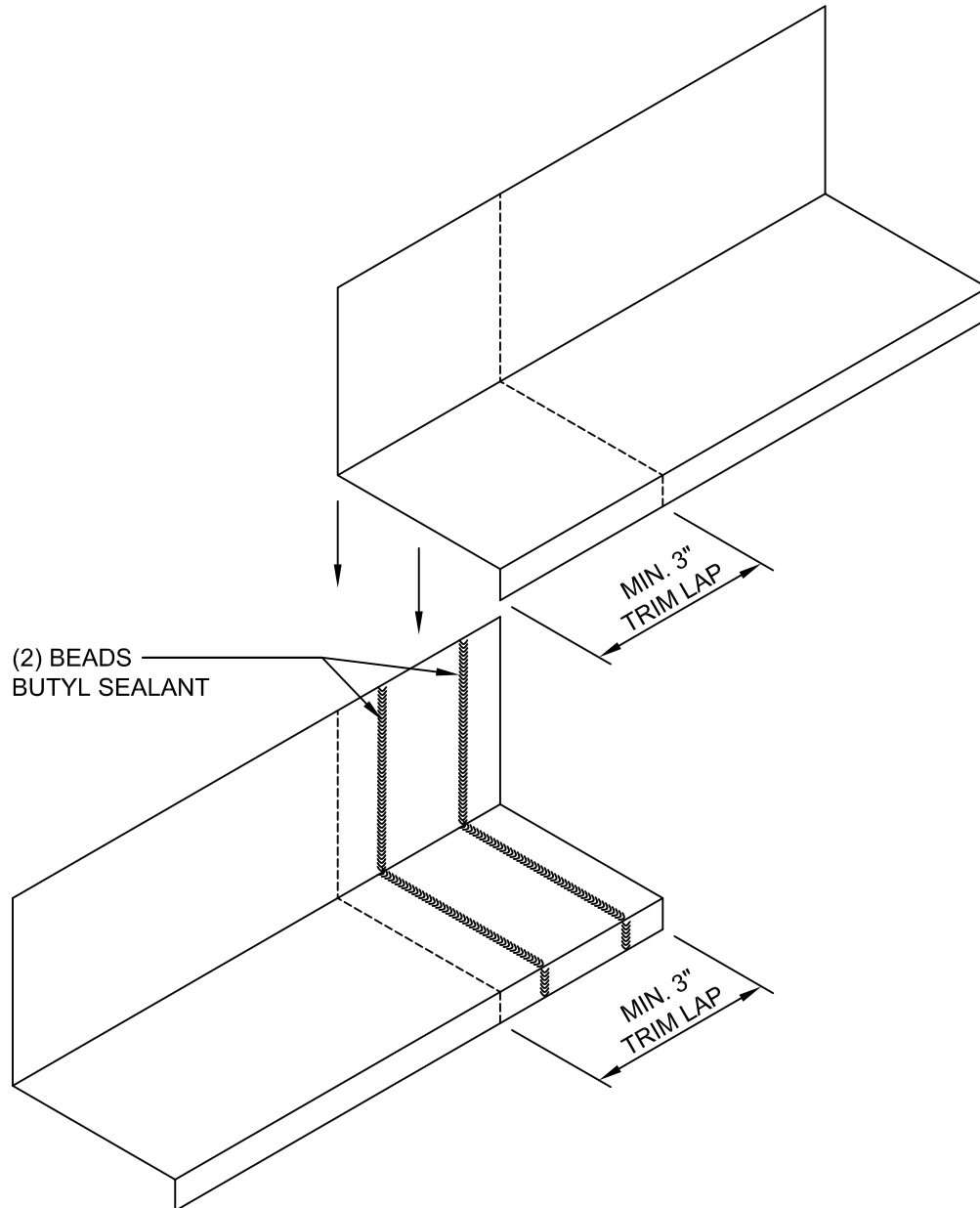
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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE



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TRIM END LAP

DETAIL #: KPV-TL-01-MTLH

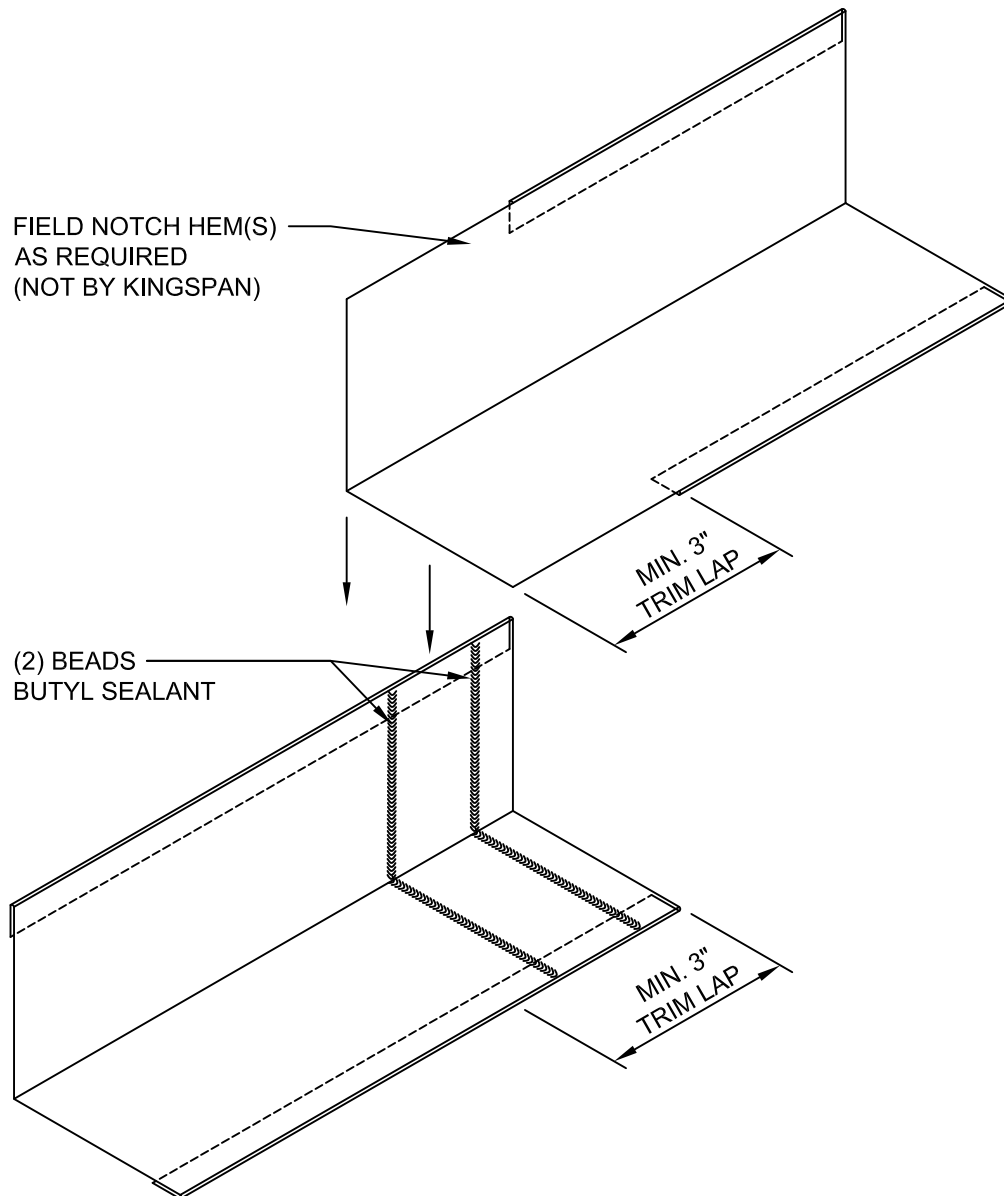
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TRIM END LAP
WITH HEMS

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