

HORIZONTAL KARRIERPANEL™ - VERTICAL METAL FACADE

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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.

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

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

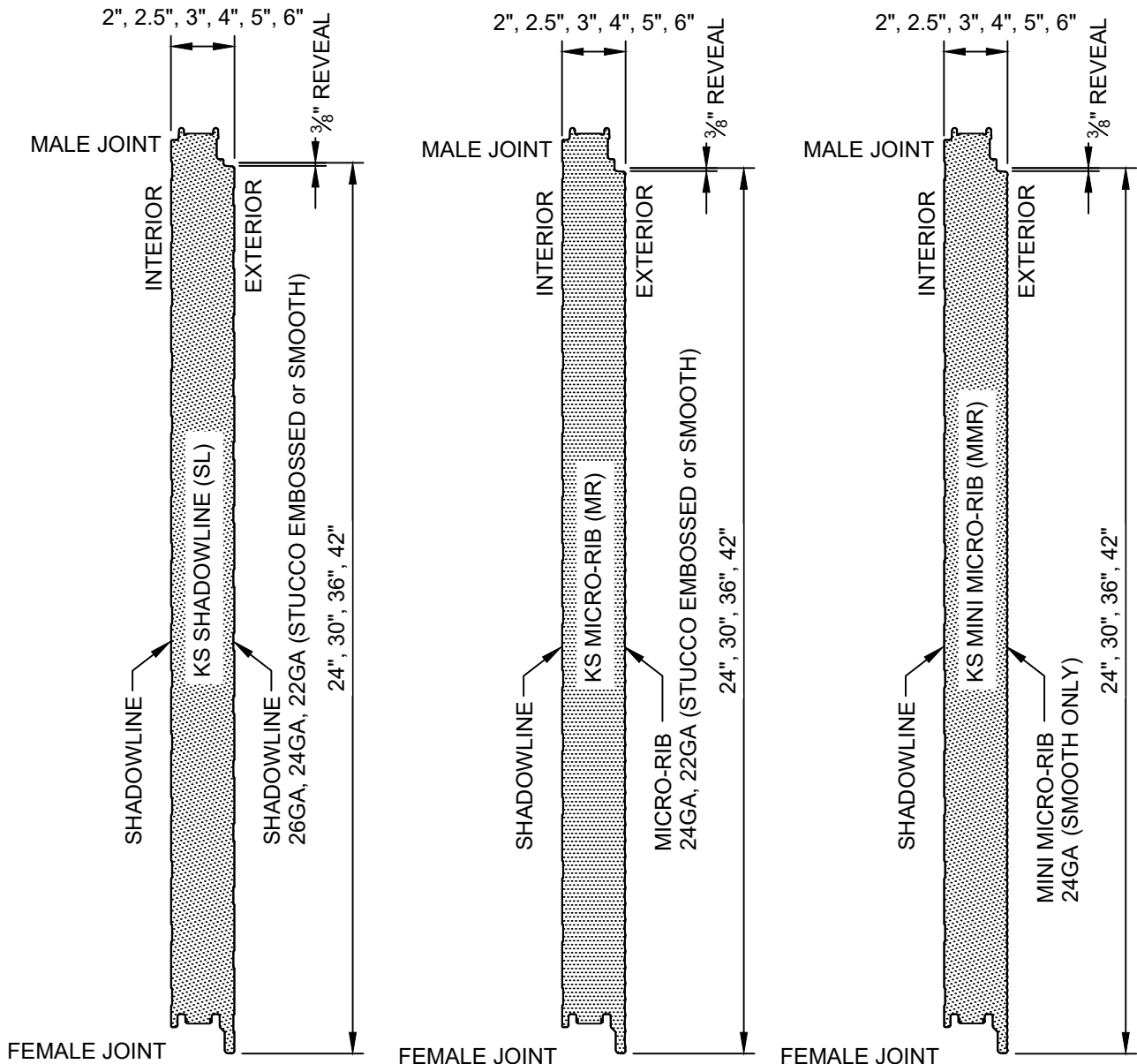
STEEL GAUGES:
EXTERIOR: REFER TO PROFILE
INTERIOR: 26, 24, 22

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

PANEL ORIENTATION:
VERTICAL or HORIZONTAL

REVEAL: $\frac{3}{8}$ "
($\frac{3}{8}$ " REVEAL IS REQUIRED
FOR ALL KARRIER RAIL
APPLICATIONS)

EMBOSSING:
EXTERIOR: REFER TO PROFILE
INTERIOR: STUCCO / SMOOTH
LENGTHS:
MINIMUM: 8'-0"
MAXIMUM: 53'-0"



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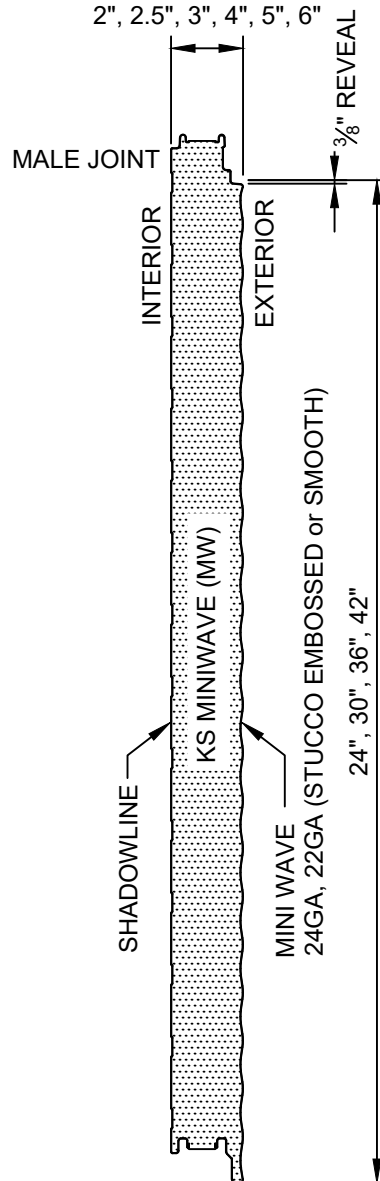
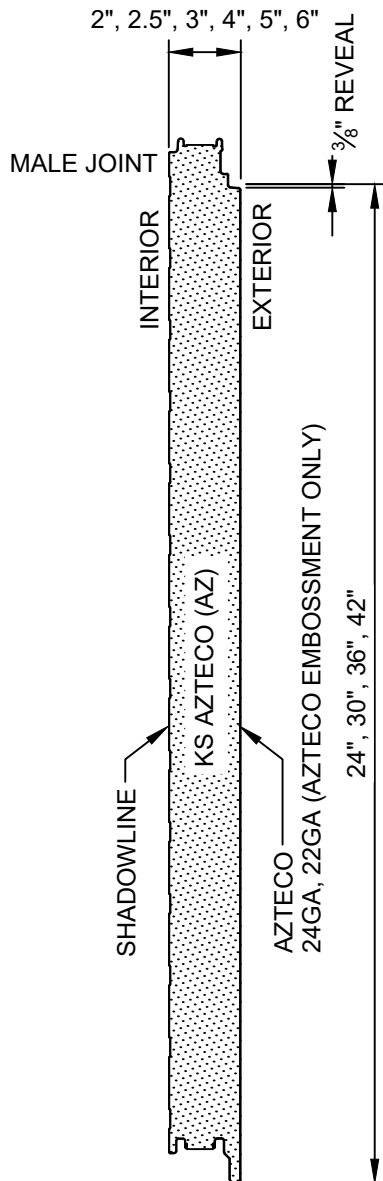
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INTERIOR: 26, 24, 22

PANEL ORIENTATION:
VERTICAL or HORIZONTAL



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PANEL PROFILES

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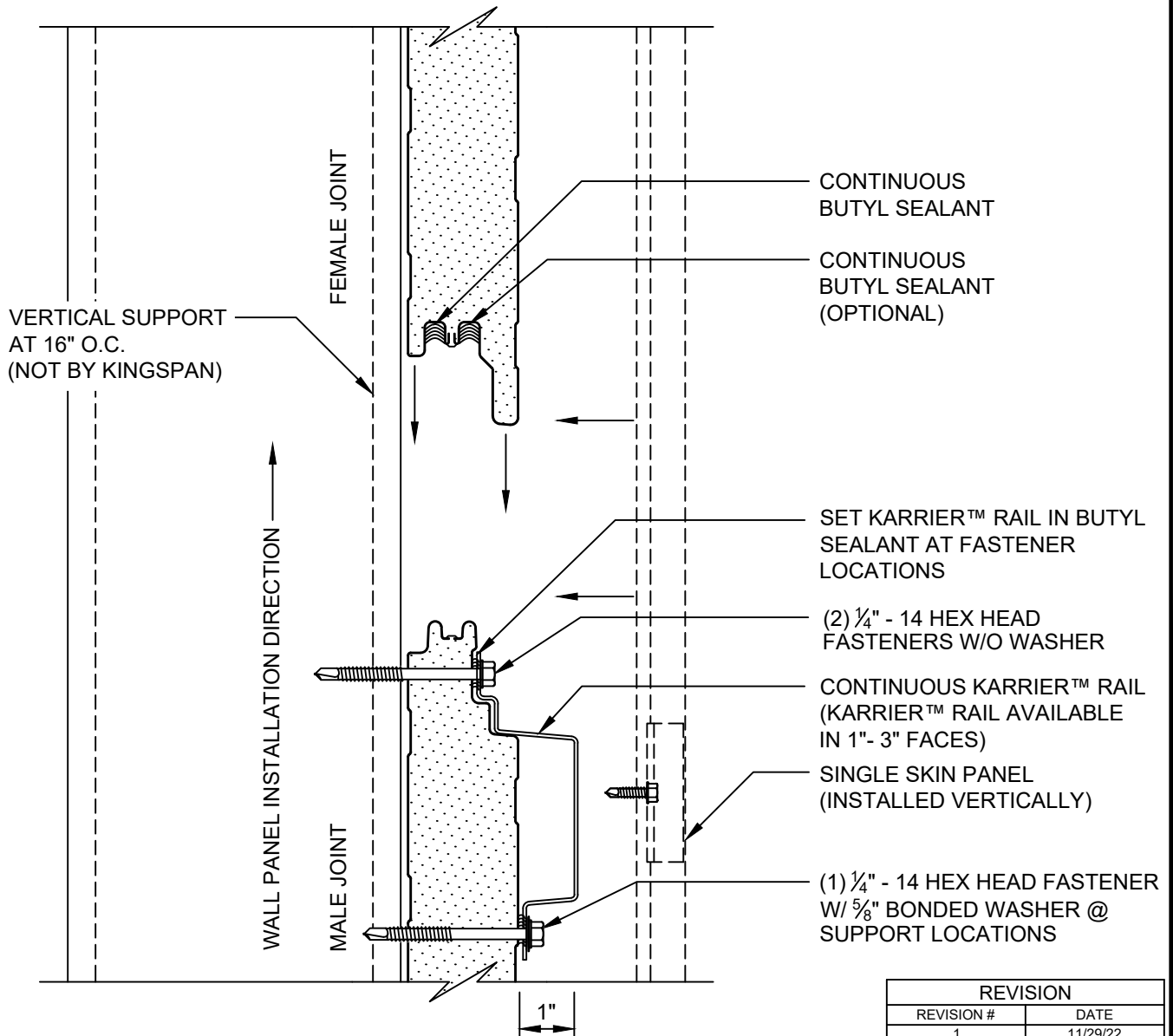
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NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE $\frac{5}{8}$ " THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)



EXPANDED PANEL
JOINT

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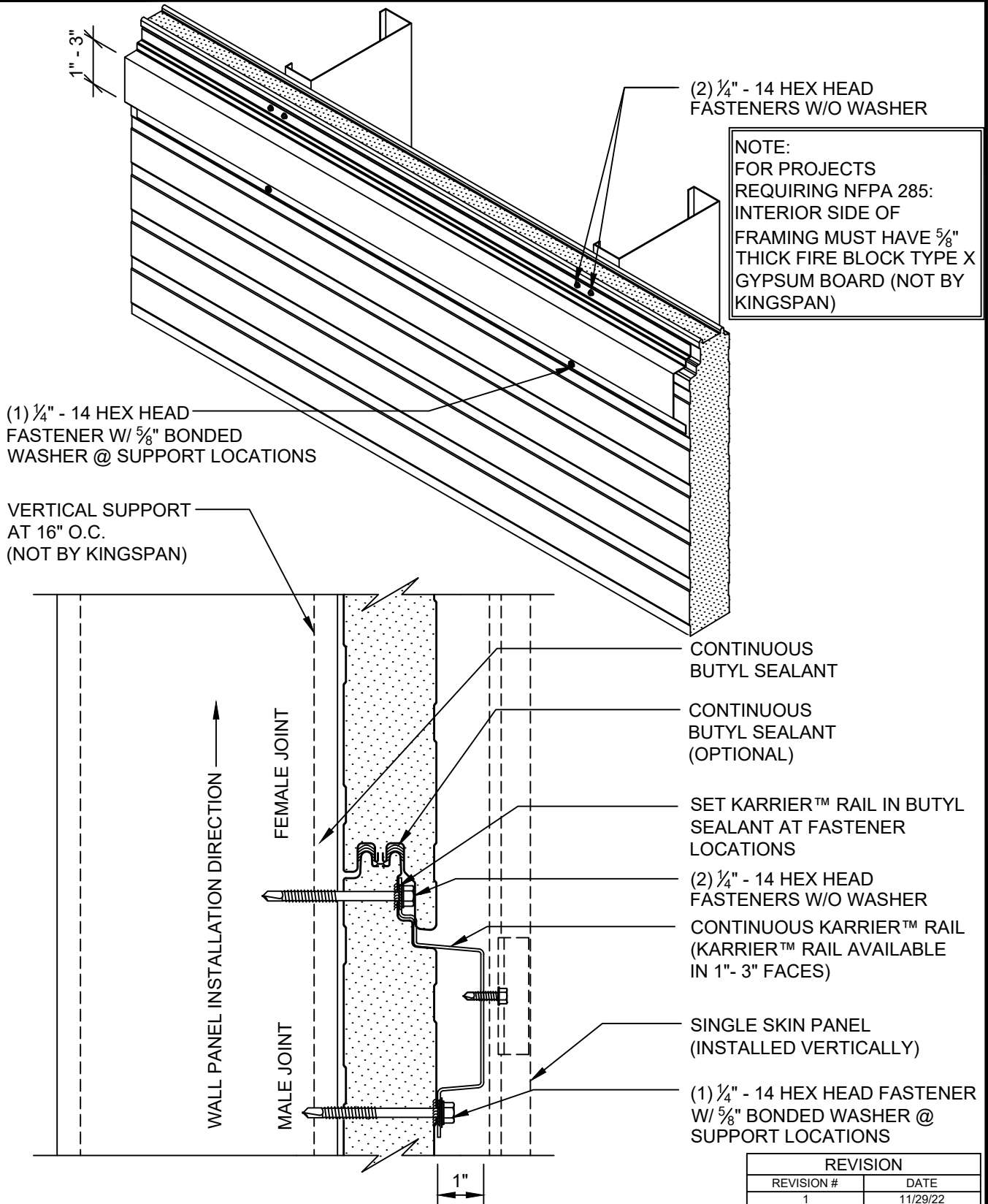
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ENGAGED PANEL
JOINT

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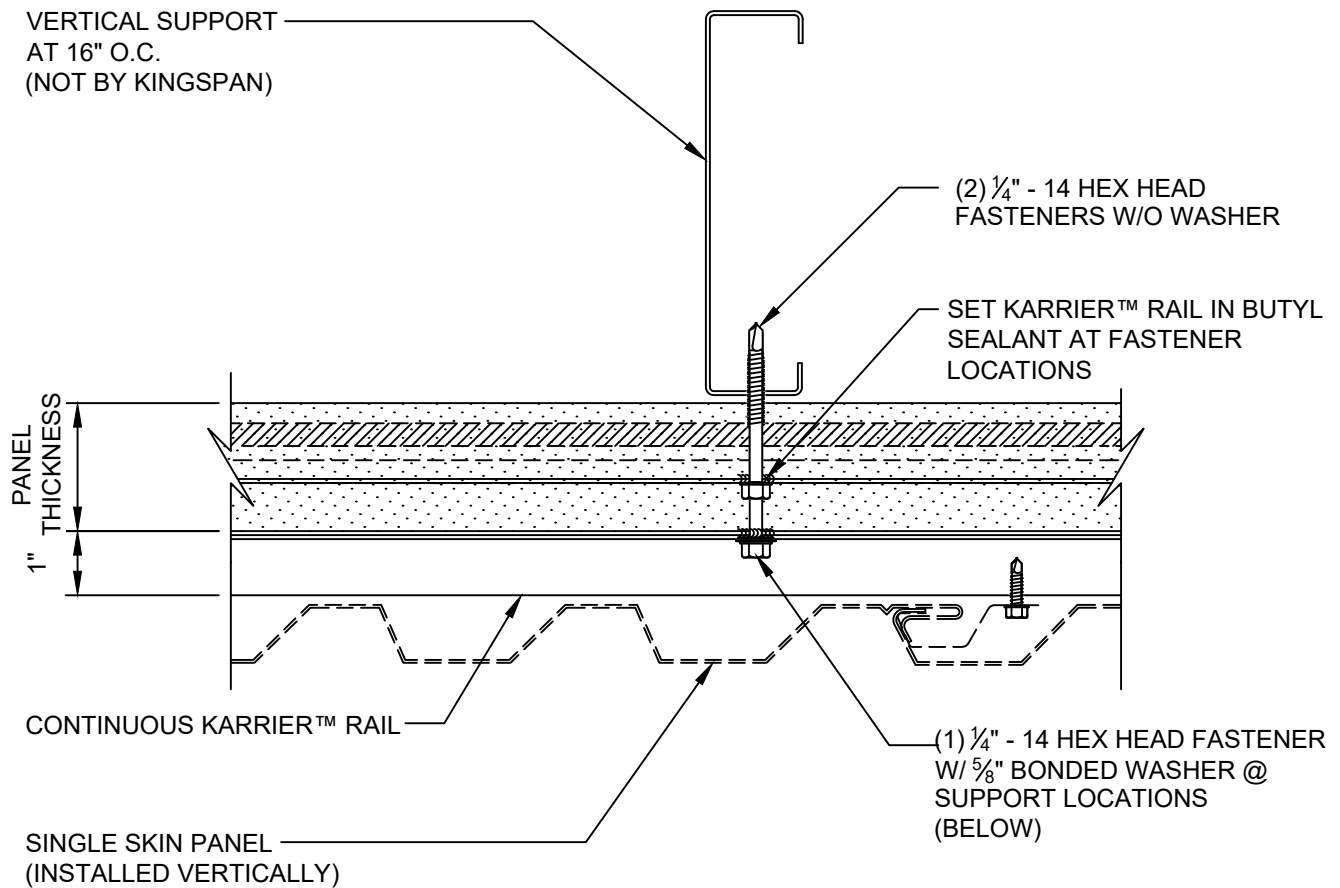
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GYPSUM BOARD (NOT BY KINGSPAN)



NOTE:
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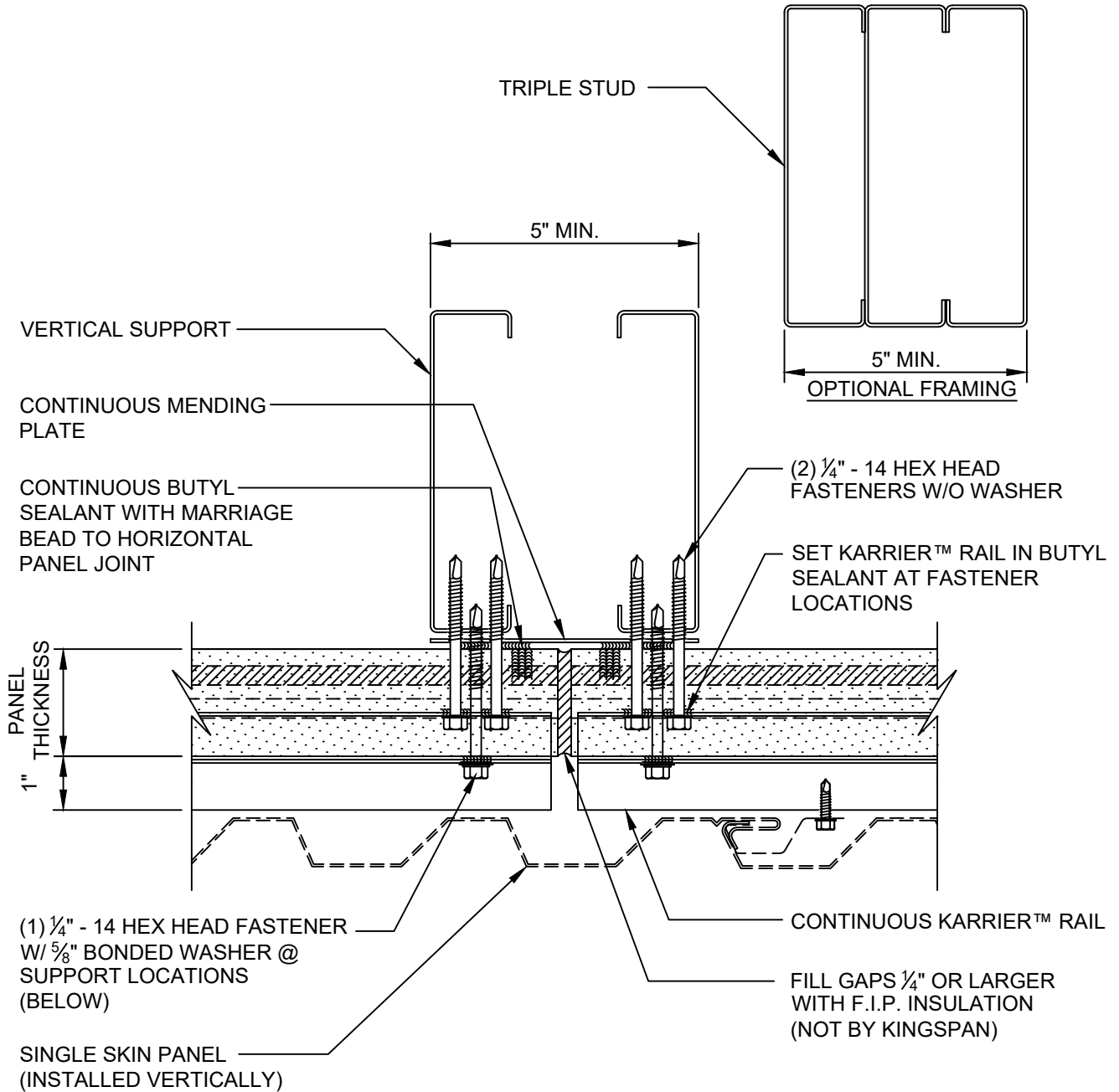
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INTERMEDIATE
SUPPORT

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VERTICAL JOINT

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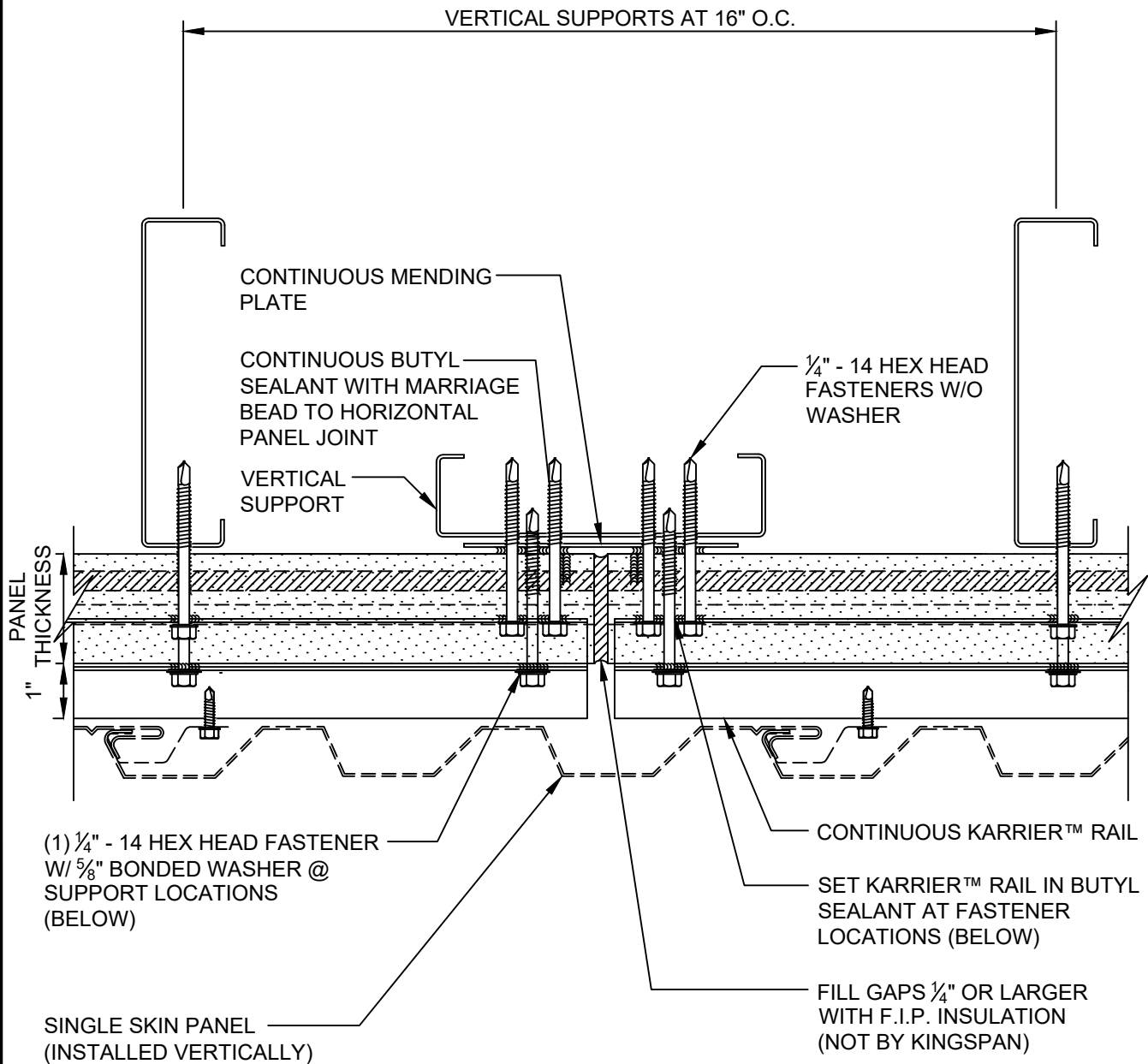
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NOTE:
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INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
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VERTICAL JOINT
BETWEEN STUDS

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

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

KARRIER PANEL
INSTALLED
HORIZONTALLY

FACADE PANEL
(INSTALLED
VERTICALLY)

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)

VOID

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MULTI-STORY FIRE
STOPPING DETAIL

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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)

KARRIER PANEL INSTALLED
HORIZONTALLY KARRIER RAIL
NOT SHOWN FOR CLARITY

KARRIER RAIL

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)

MAXIMUM 20'-0" O.C.

COMPLETELY FILL VOID BETWEEN
INSULATED METAL PANEL SYSTEM
AND FACADE WITH MIN. 4 PSI
CONTINUOUS FIRE BLOCKING AT
MAX. 20'-0" O.C. SPACING
(NOT BY KINGSPAN)

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MULTI-STORY FIRE
STOPPING ASSEMBLY

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NOTE:
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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)

COMPLETELY FILL VOID
BETWEEN INSULATED METAL
PANEL SYSTEM AND FACADE
WITH MIN. 4 PSI
CONTINUOUS FIRE
BLOCKING AT MAX. 20'-0"
O.C. SPACING
(NOT BY KINGSPAN)

FACADE PANEL
(INSTALLED
VERTICALLY)

KARRIER PANEL INSTALLED
HORIZONTALLY KARRIER RAIL
NOT SHOWN FOR CLARITY

KARRIER RAIL

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

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MULTI-STORY FIRE STOPPING ASSEMBLY

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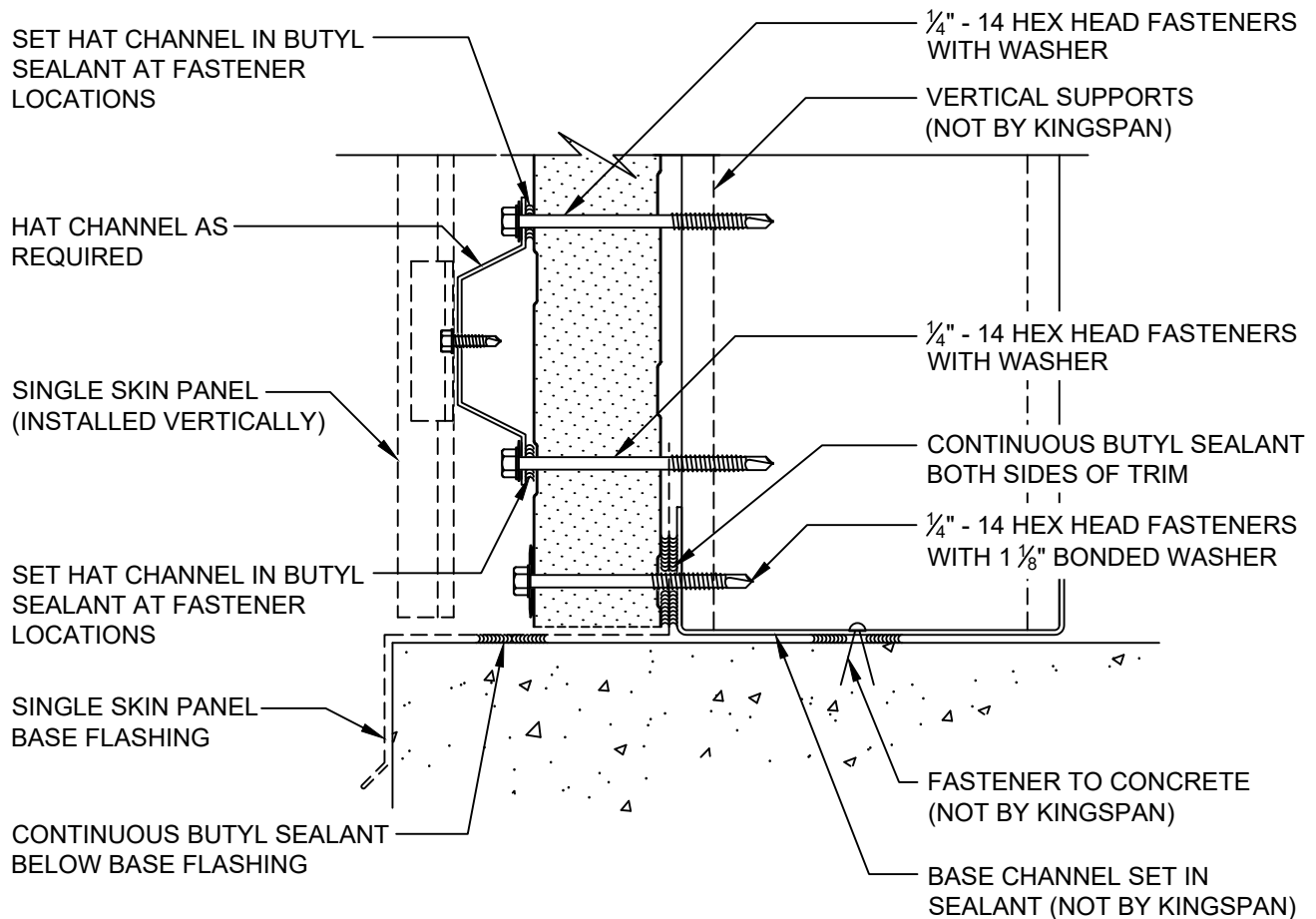
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NOTE:
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INTERIOR SIDE OF FRAMING MUST
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GYPSUM BOARD (NOT BY KINGSPAN)

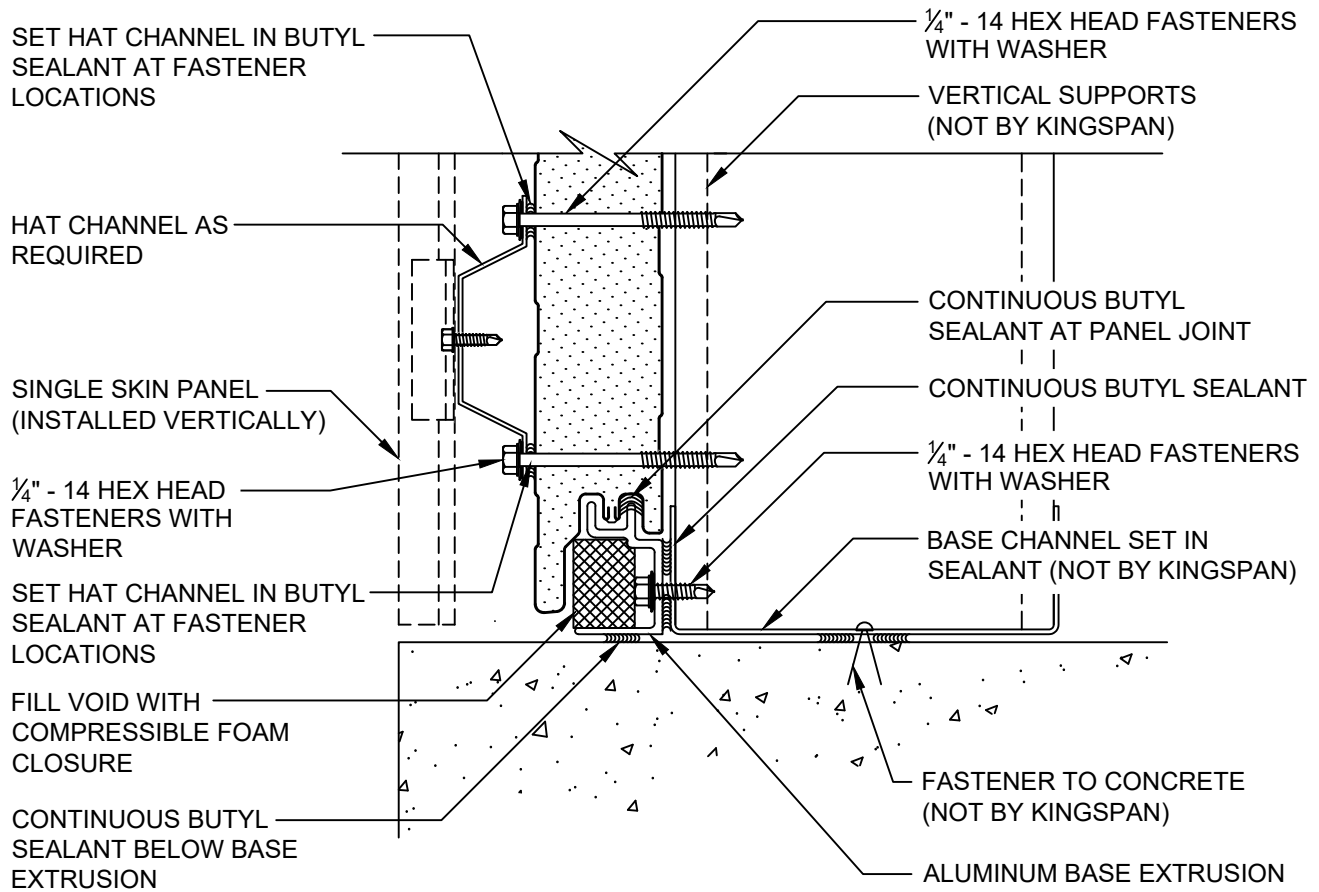
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BASE DETAIL
FLUSH

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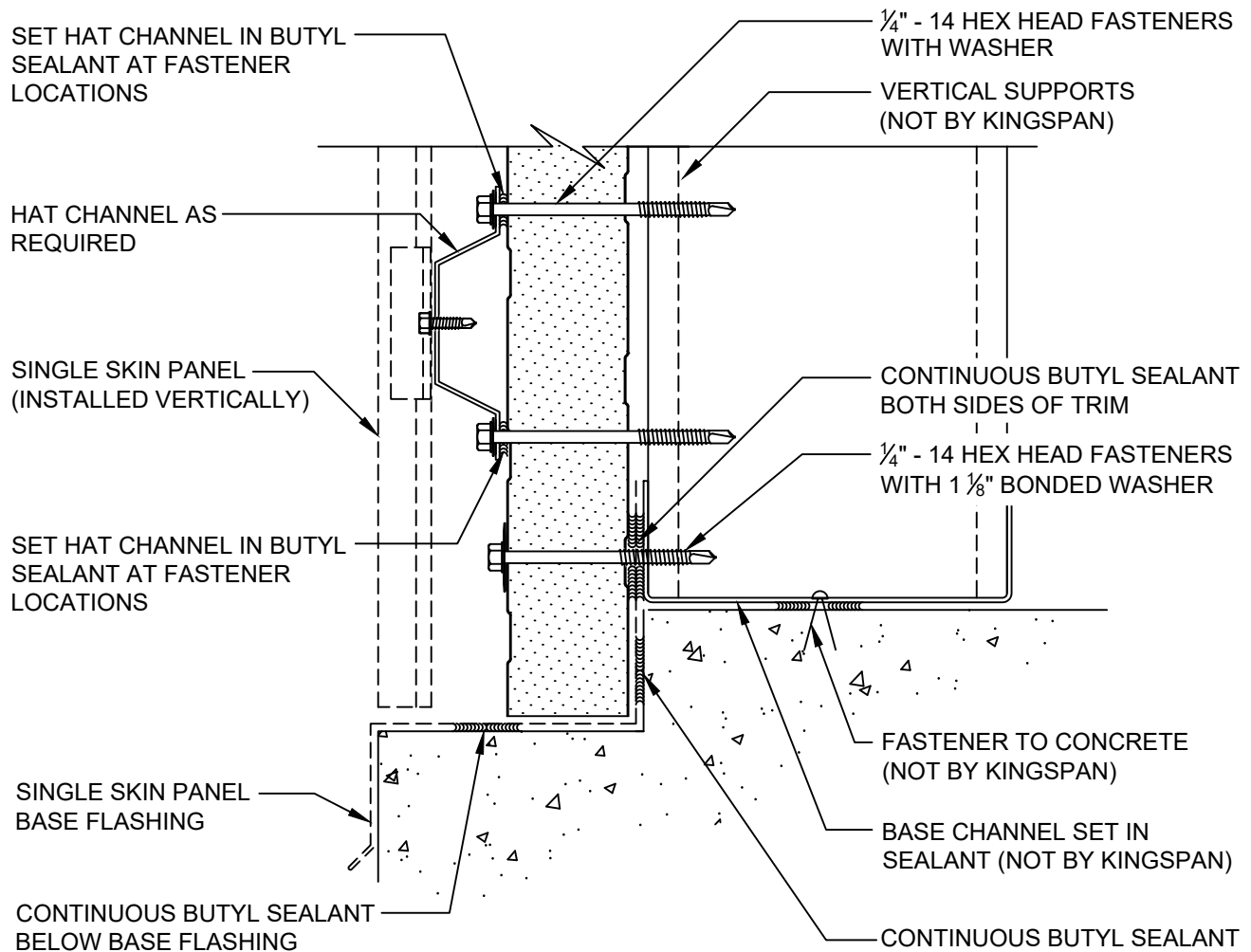
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**BASE DETAIL
FLUSH WITH
EXTRUSION**

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NOTE:
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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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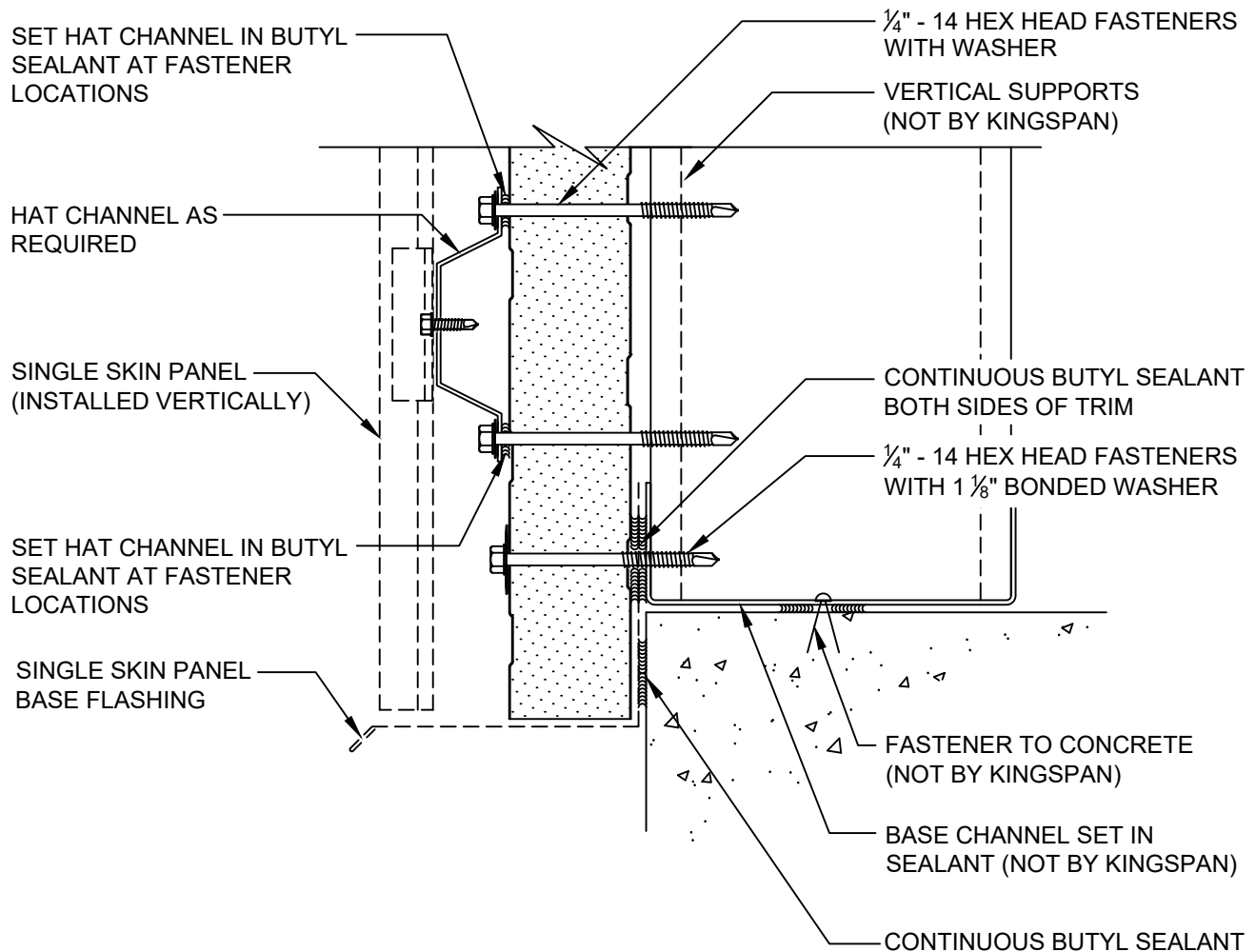
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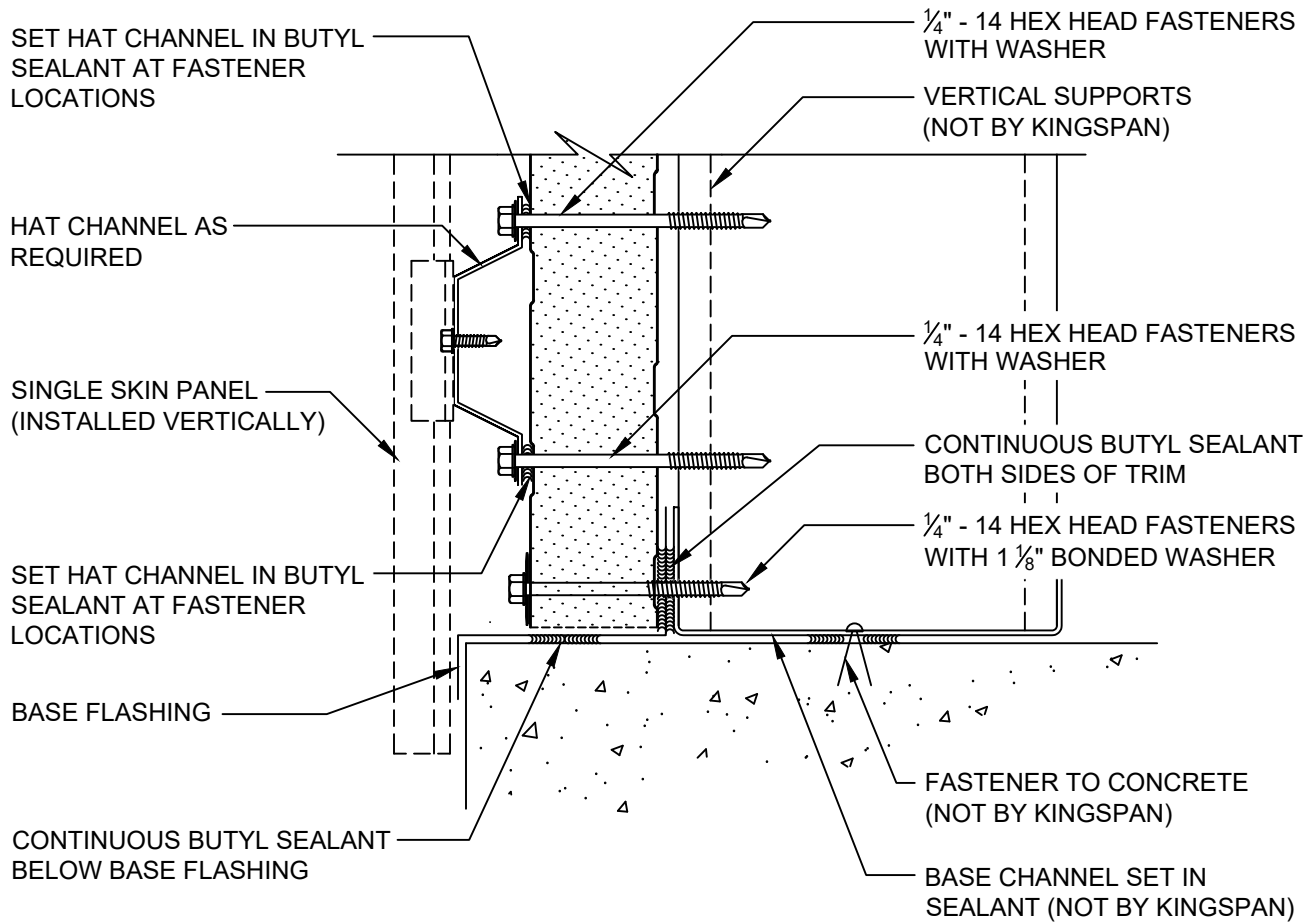
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BASE AT OVERHANG

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NOTE:
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INTERIOR SIDE OF FRAMING MUST
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BASE AT OVERHANG
SINGLE SKIN

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HORIZONTAL KARRIERPANEL™ - VERTICAL METAL FACADE

NOTCH THE KARRIER™ RAIL
AS NECESSARY TO ALLOW FOR
THE INSTALLATION OF THE CORNER
TRIM AND/OR MEMBRANE MATERIAL

SINGLE SKIN PANEL
(INSTALLED VERTICALLY)

SINGLE SKIN PANEL
OUTSIDE CORNER
ASSEMBLY

OUTSIDE CORNER TRIM

F.I.P. INSULATION
AS REQUIRED
(BY OTHERS)

FIELD MITER CUT
PANELS

POP RIVETS

SINGLE SKIN PANEL
(INSTALLED VERTICALLY)

(1) ¼" - 14 HEX HEAD
FASTENER W/ ⅝" BONDED
WASHER @ SUPPORT
LOCATIONS
(BELOW)

CONTINUOUS BUTYL
SEALANT AT PANEL JOINT

(1) ¼" - 14 HEX HEAD
FASTENER W/ ⅝" BONDED
WASHER @ SUPPORT
LOCATIONS
(BELOW)

CONTINUOUS KARRIER™
RAIL

SET KARRIER™ RAIL IN
BUTYL SEALANT AT
FASTENER LOCATIONS

(2) ¼" - 14 HEX HEAD
FASTENERS
W/O WASHER

CONTINUOUS BUTYL
SEALANT WITH MARRIAGE
BEAD TO HORIZONTAL
PANEL JOINT

INSIDE CORNER TRIM

VERTICAL SUPPORT
(NOT BY KINGSPAN)

NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE ⅝" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

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OUTSIDE CORNER
(HIGH CELL)

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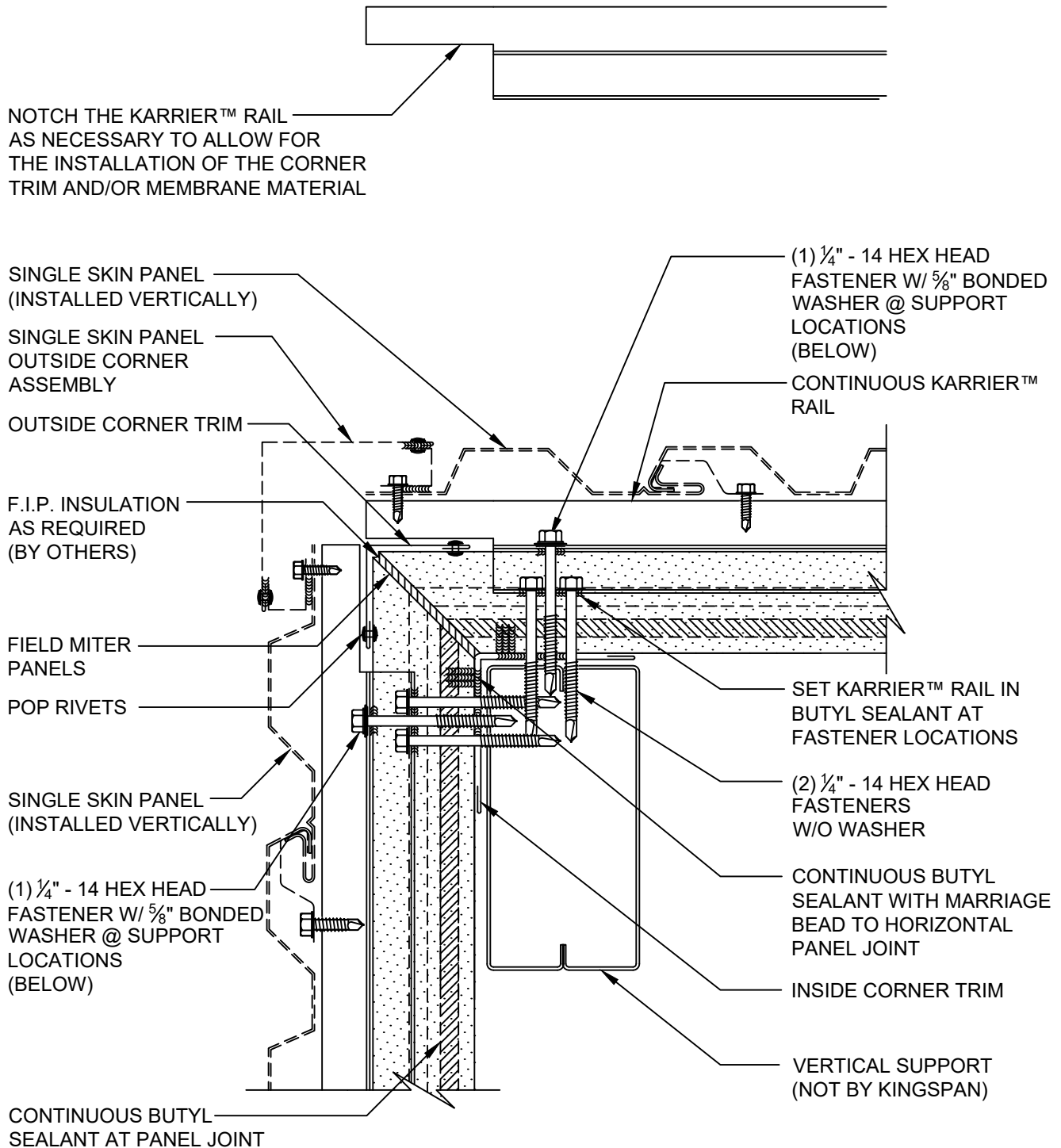
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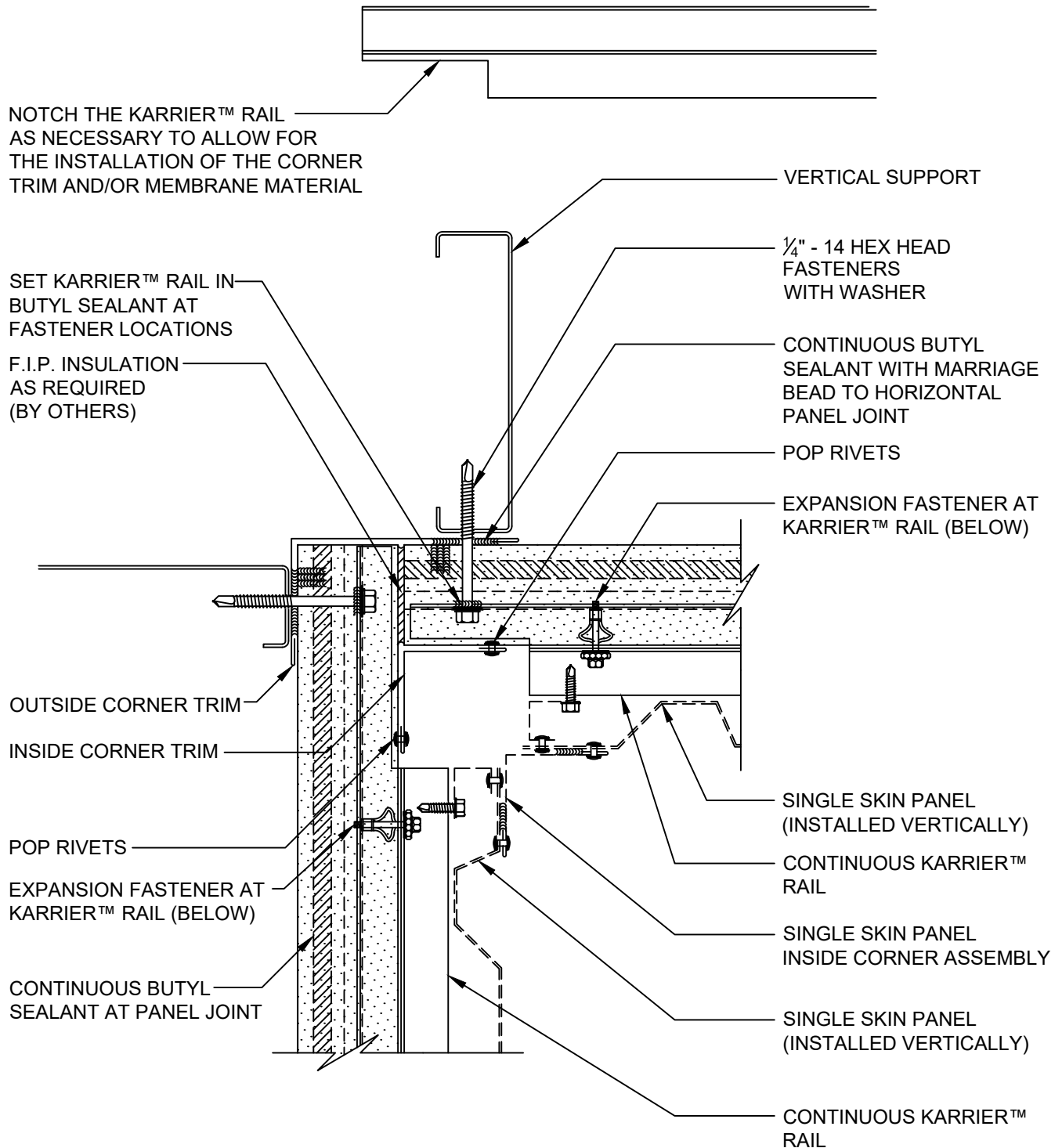
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OUTSIDE CORNER
(LOW CELL)

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GYPSUM BOARD (NOT BY KINGSPAN)

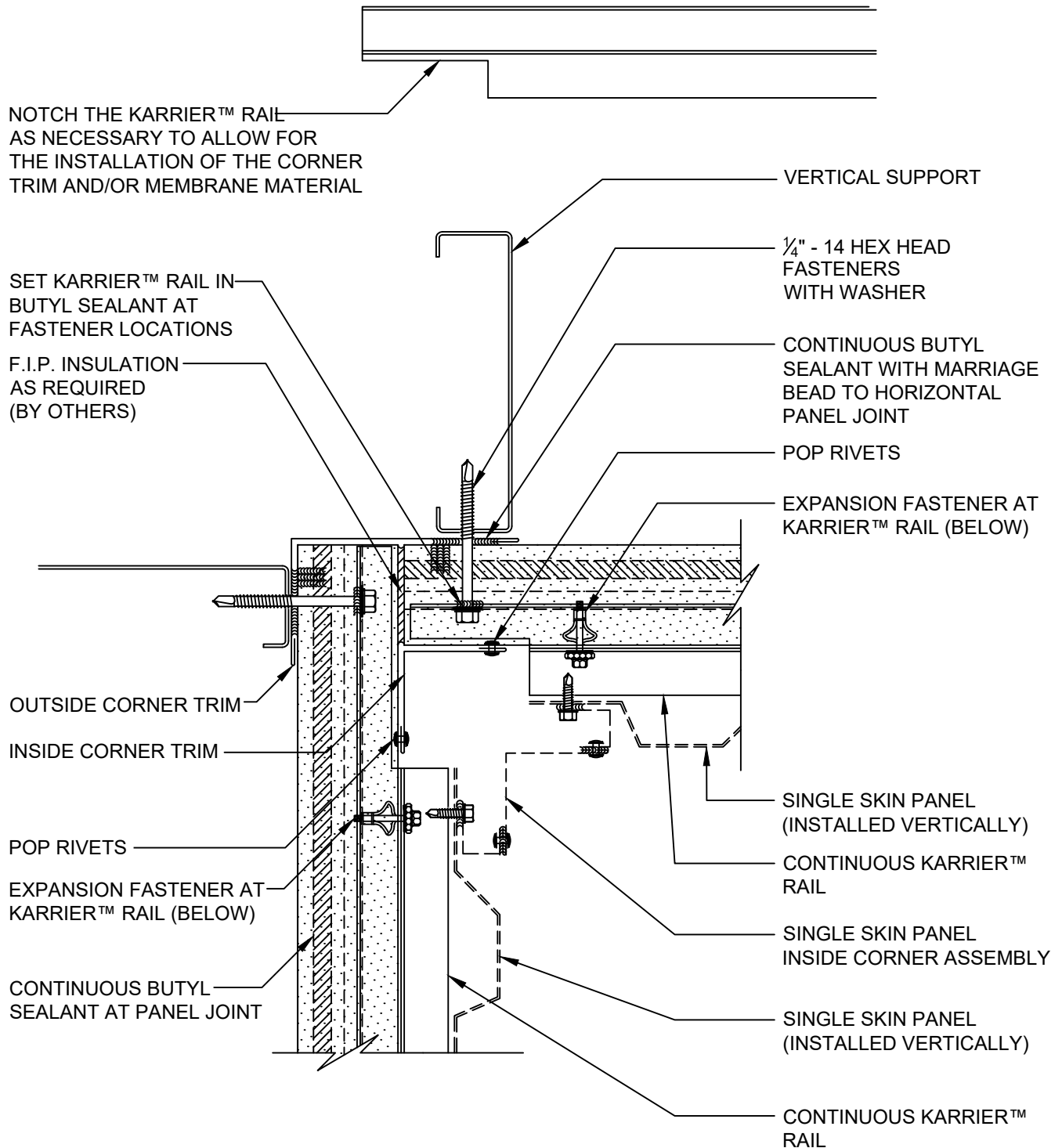
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INSIDE CORNER
(HIGH CELL)

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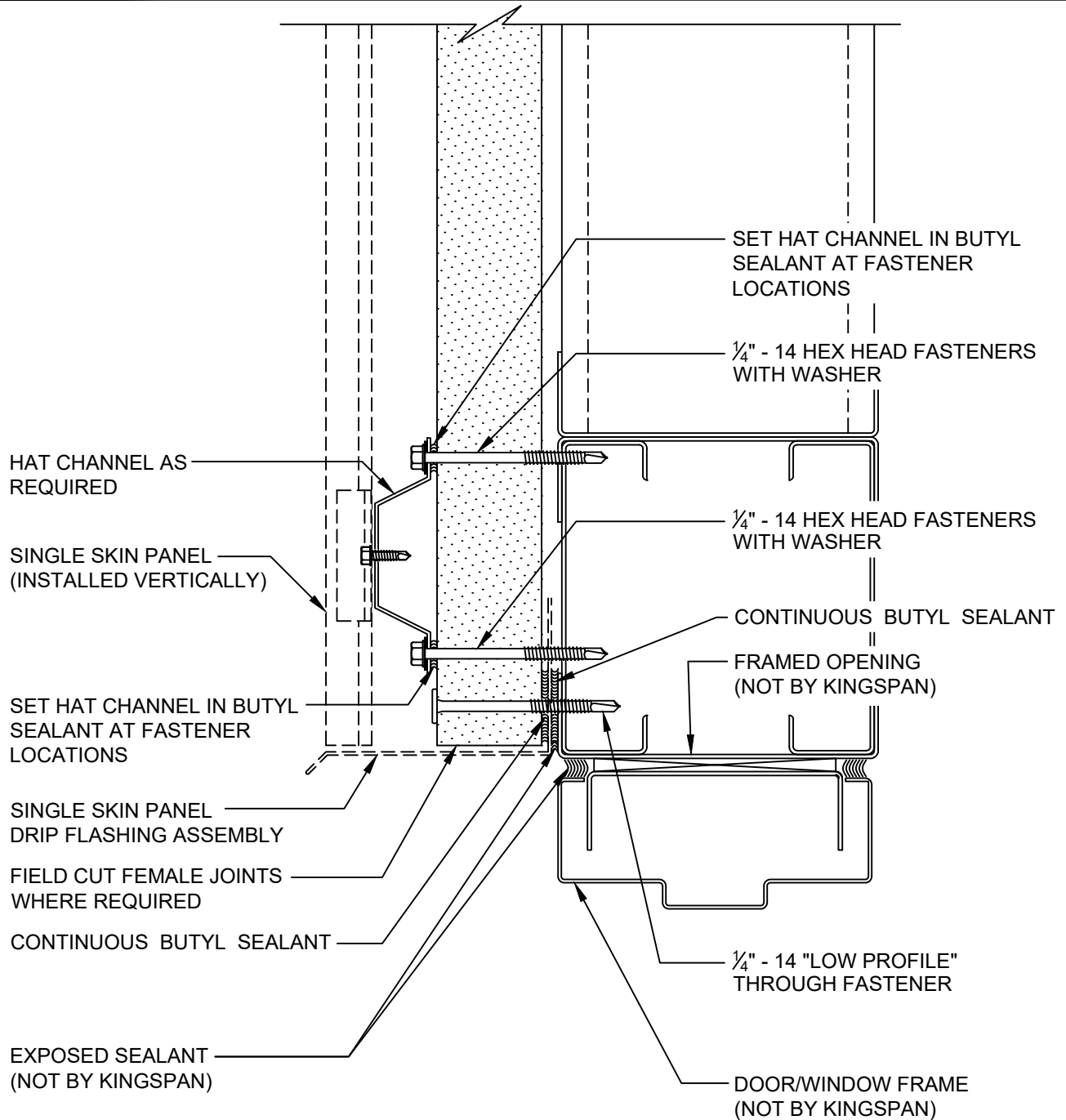
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INSIDE CORNER
(LOW CELL)

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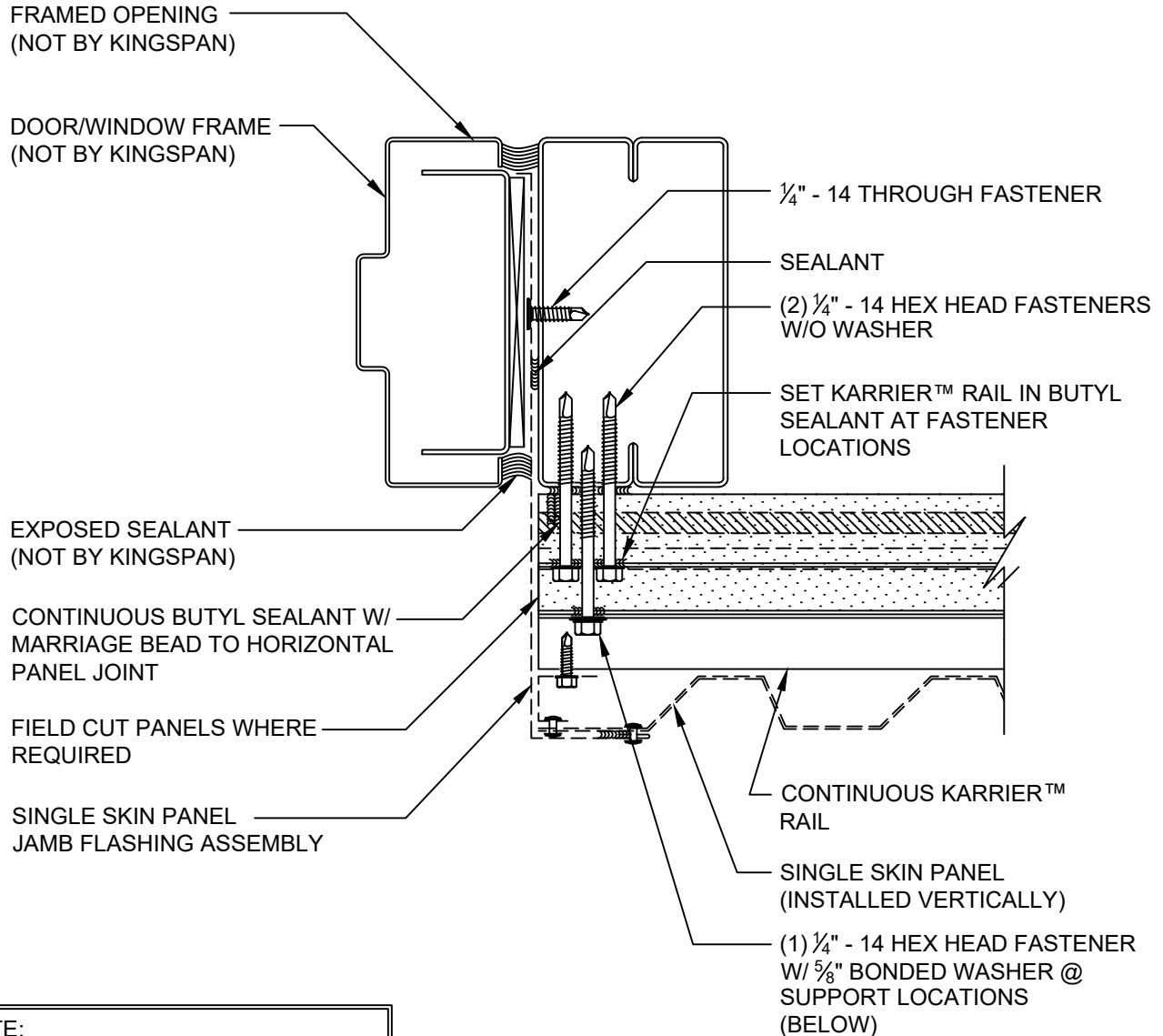
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FRAMED OPENING
HEAD

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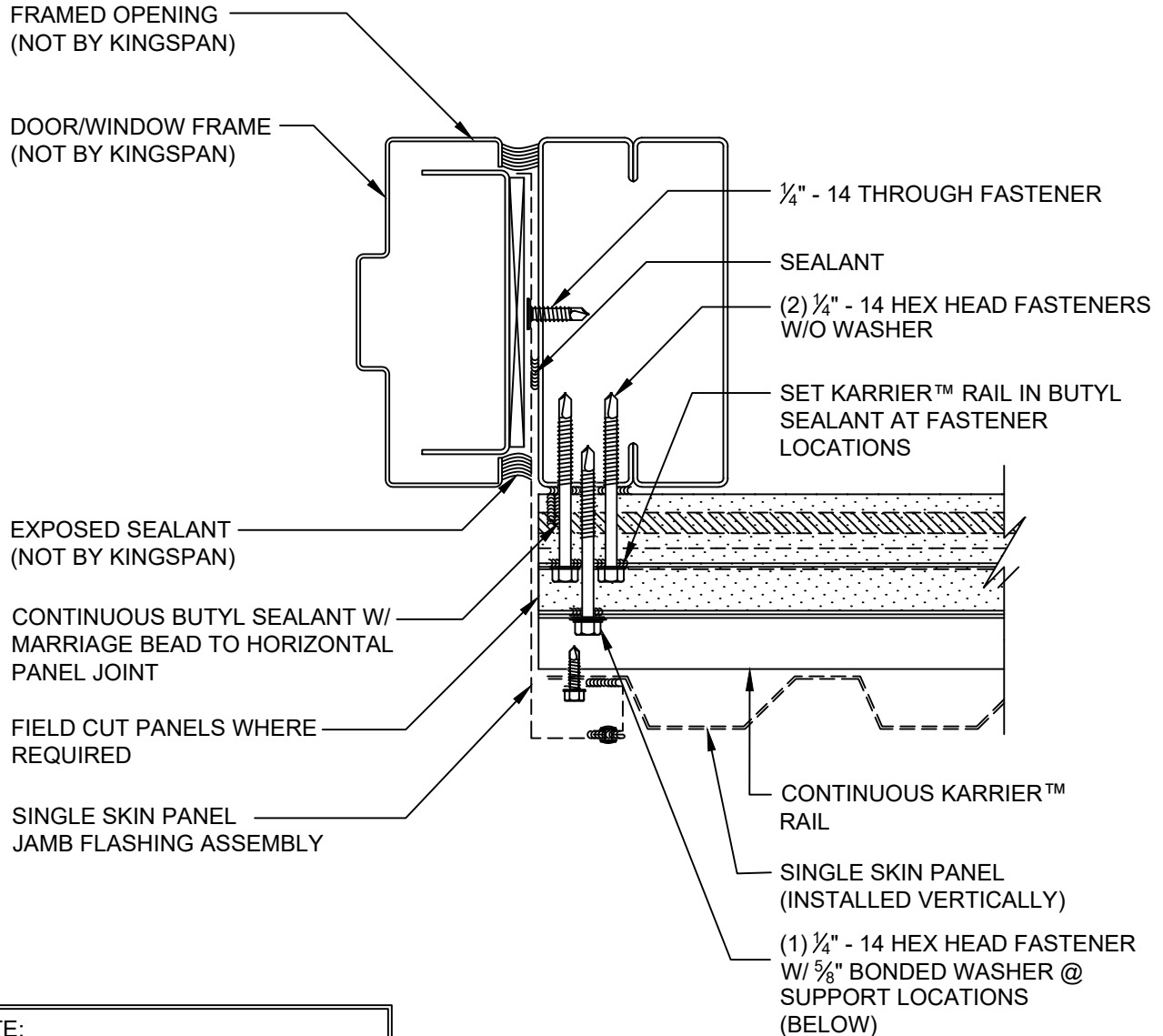
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FRAMED OPENING
JAMB (HIGH CELL)

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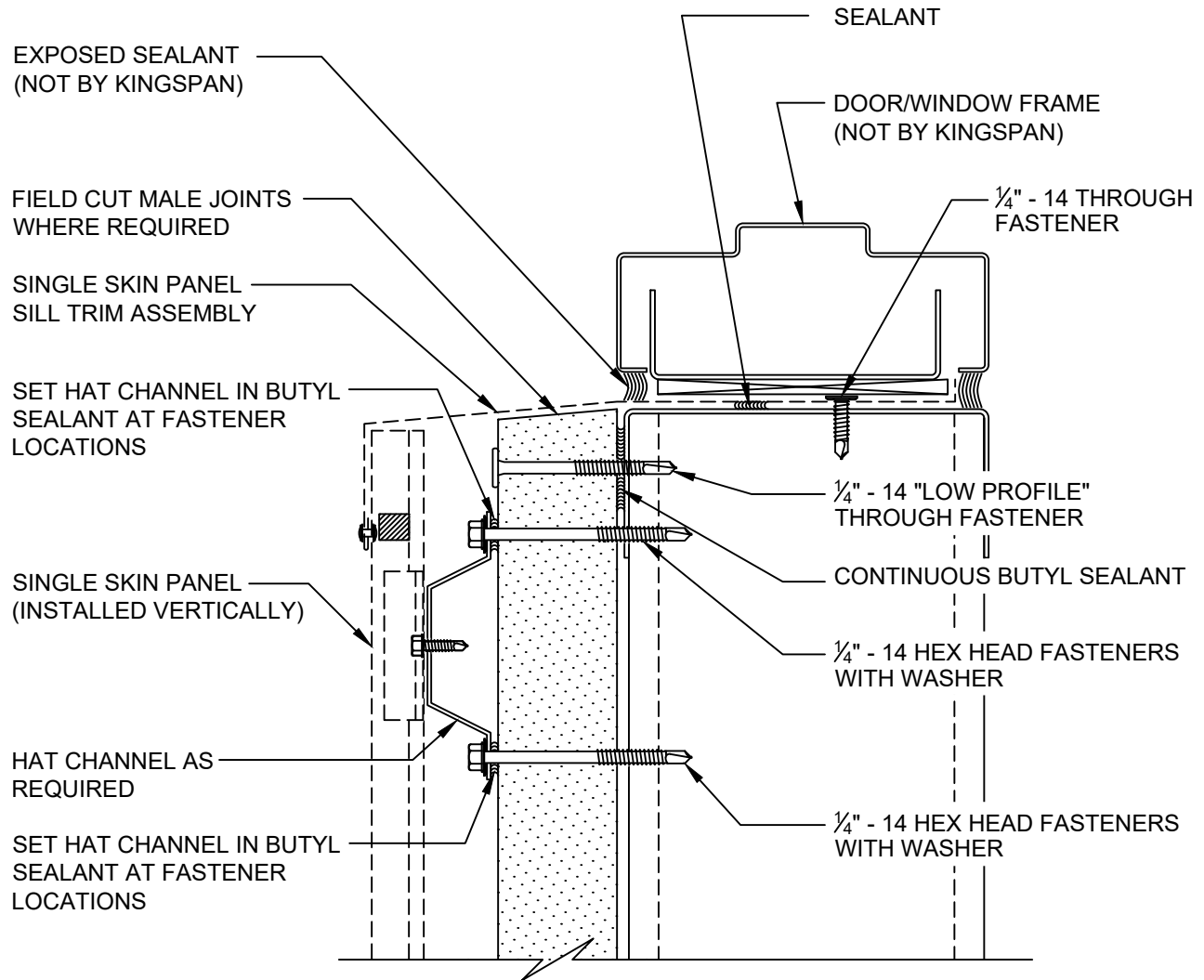
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FRAMED OPENING
JAMB (LOW CELL)

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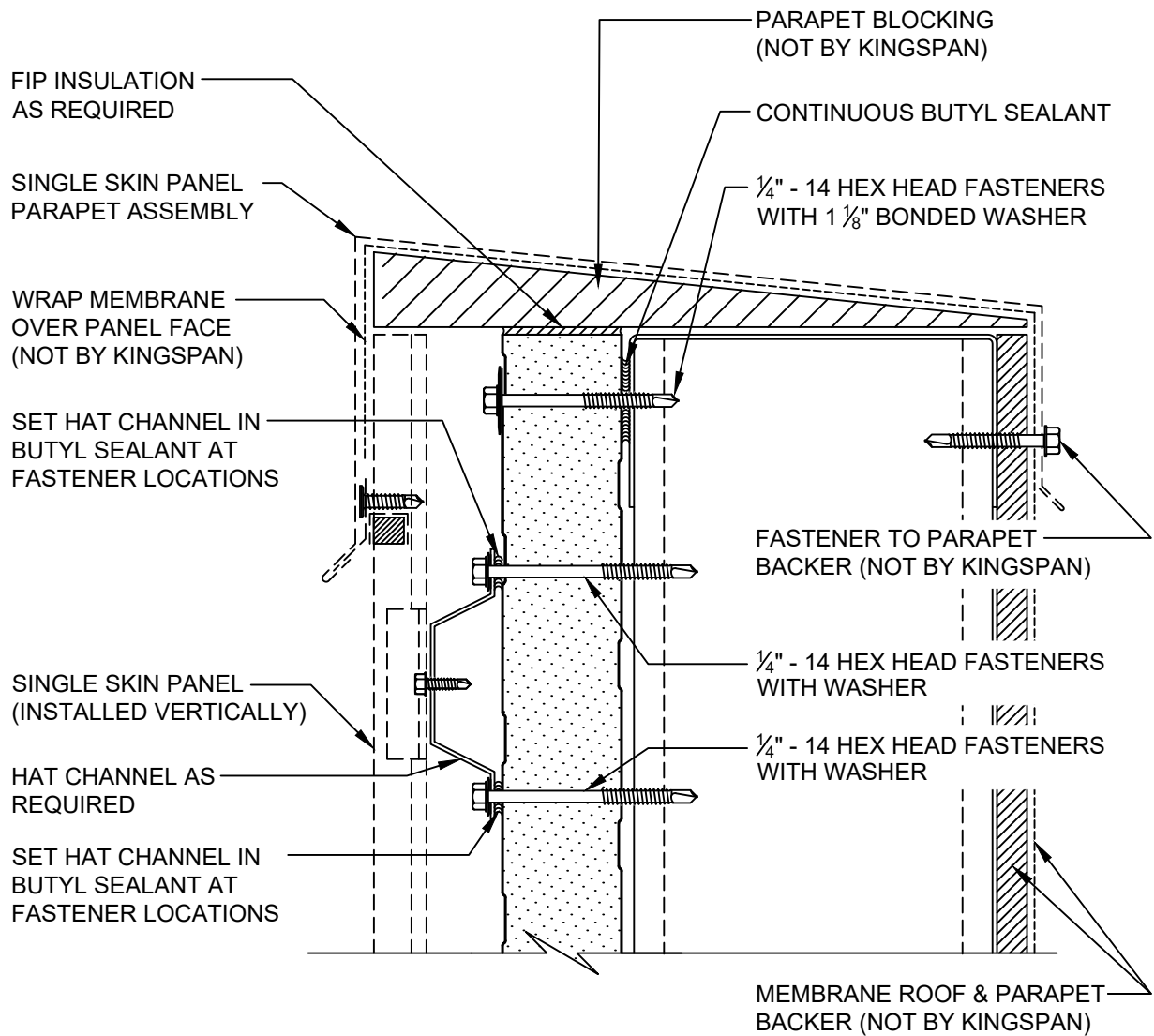
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FRAMED OPENING SILL

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PARAPET DETAIL

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

FIP INSULATION
AS REQUIRED

SET HAT CHANNEL IN
BUTYL SEALANT AT
FASTENER LOCATIONS

SINGLE SKIN PANEL
(INSTALLED VERTICALLY)

HAT CHANNEL AS
REQUIRED

SET HAT CHANNEL IN
BUTYL SEALANT AT
FASTENER LOCATIONS

1/4" - 14 HEX HEAD FASTENERS
WITH 1 1/8" BONDED WASHER

CONTINUOUS BUTYL SEALANT

1/4" - 14 HEX HEAD FASTENERS
WITH WASHER

1/4" - 14 HEX HEAD FASTENERS
WITH WASHER

EAVE STRUT
(NOT BY KINGSPAN)

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

REVISION

REVISION #	DATE
1	11/29/22

LOW EAVE DETAIL

DETAIL #: KPH-LE-01-MTLV

RELEASE: 2022

REGION: NORTH AMERICA

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

RAKE ANGLE
(NOT BY KINGSPAN)

FIP INSULATION
AS REQUIRED

SET HAT CHANNEL IN
BUTYL SEALANT AT
FASTENER LOCATIONS

1/4" - 14 HEX HEAD FASTENERS
WITH 1 1/8" BONDED WASHER

CONTINUOUS BUTYL SEALANT

1/4" - 14 HEX HEAD FASTENERS
WITH WASHER

SINGLE SKIN PANEL
(INSTALLED VERTICALLY)

1/4" - 14 HEX HEAD FASTENERS
WITH WASHER

HAT CHANNEL AS
REQUIRED

SET HAT CHANNEL IN
BUTYL SEALANT AT
FASTENER LOCATIONS

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

REVISION

REVISION #	DATE
1	11/29/22

RAKE DETAIL

DETAIL #: KPH-RD-01-MTLV

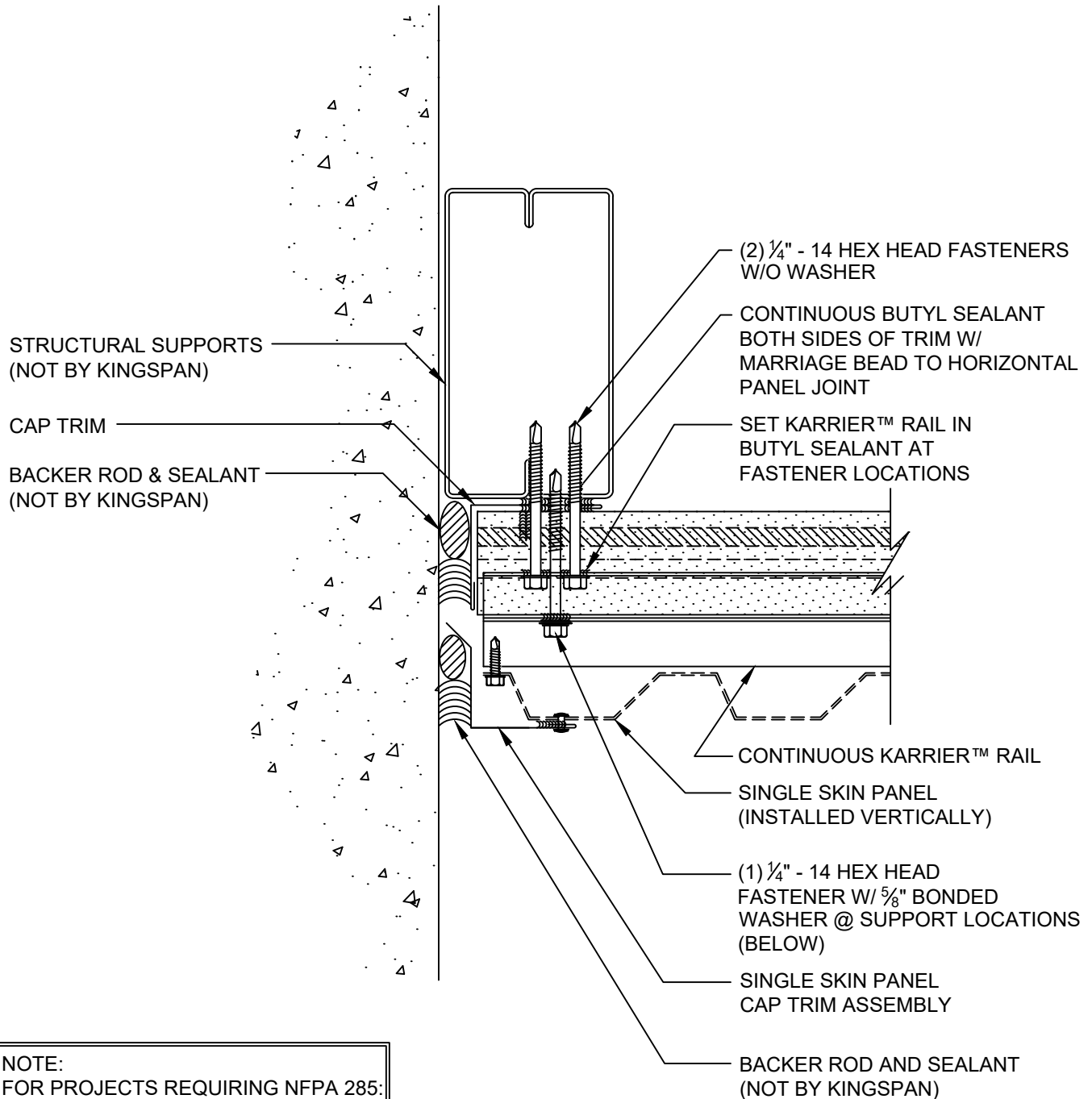
RELEASE: 2022

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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)

REVISION	
REVISION #	DATE
1	11/29/22

PANEL TERMINATION
(HIGH CELL)

DETAIL #: KPH-TP-01-MTLV

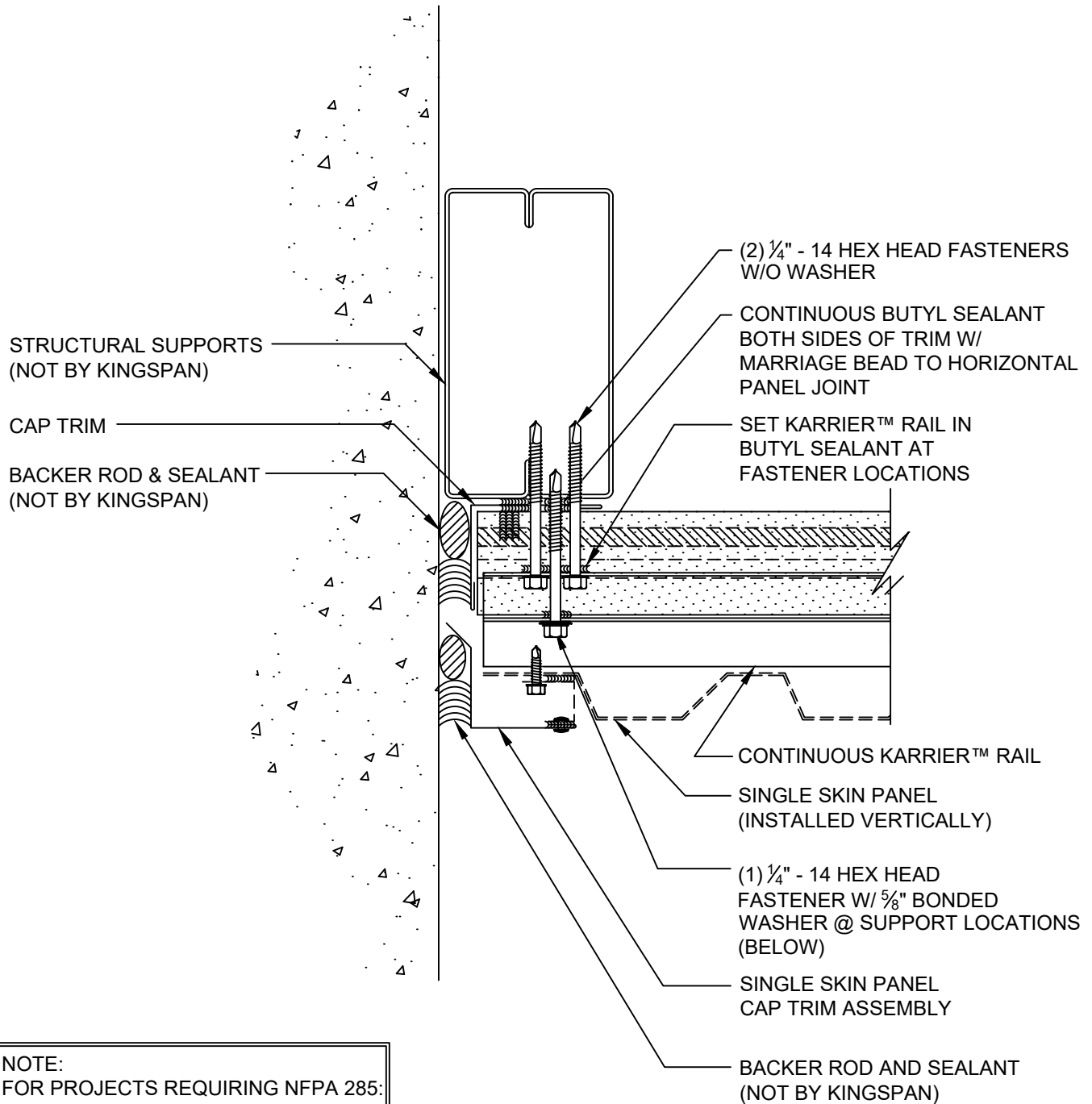
RELEASE: 2022

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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)

REVISION	
REVISION #	DATE
1	11/29/22

PANEL TERMINATION (LOW CELL)

DETAIL #: KPH-TP-02-MTLV

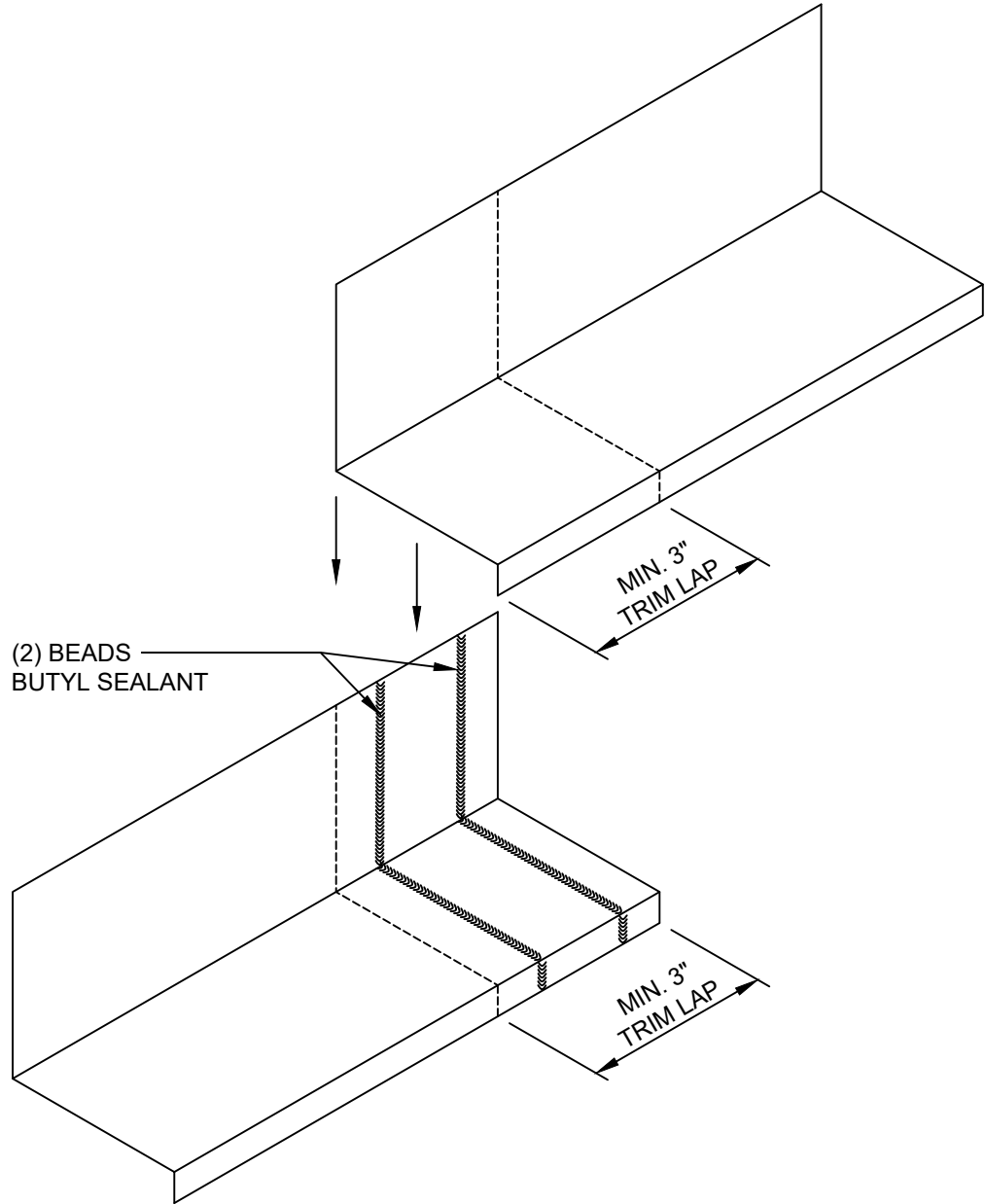
RELEASE: 2022

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REVISION	
REVISION #	DATE
1	11/29/22

TRIM END LAP

DETAIL #: KPH-TL-01-MTLV

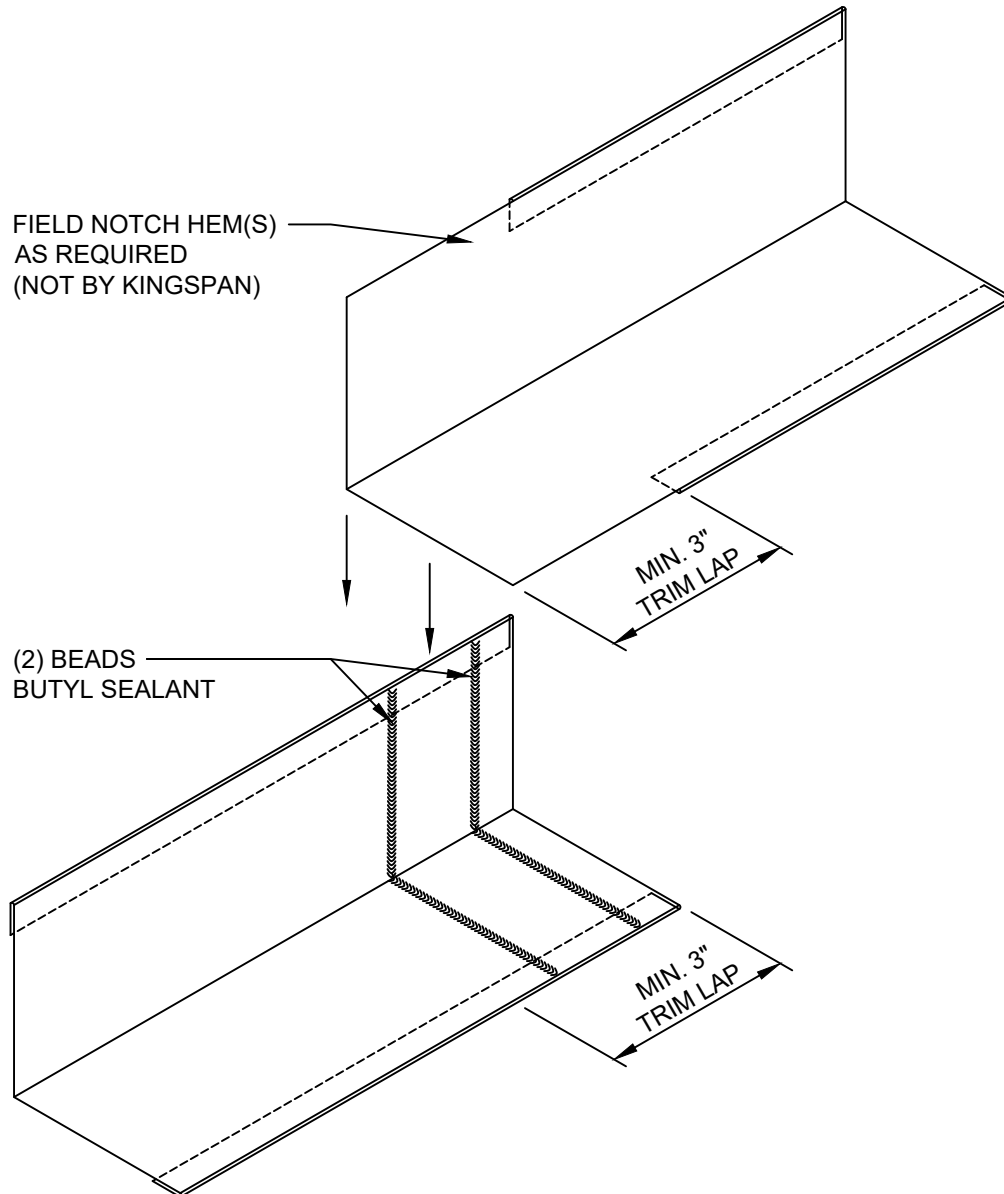
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HORIZONTAL KARRIERPANEL™ - VERTICAL METAL FACADE



REVISION	
REVISION #	DATE
1	11/29/22

TRIM END LAP
WITH HEMS

DETAIL #: KPH-TL-02-MTLV
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