

HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE

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INDEX SHEET

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HORIZONTAL KARRIER™ PANEL - VERTICAL 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. AND CANADIAN CLIMACTIC ZONES. (THE PRIMARY VAPOR BARRIER IS PLACED ON THE "WARM" SIDE IN WINTER).

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 AND ILLUSTRATION PURPOSES ONLY.

WALL SYSTEM DEFLECTIONS ARE TO BE DETERMINED BY THE ENGINEER OF RECORD.

ALL DETAILS ARE BASED ON TYPICAL STUD WALL CONSTRUCTION WITH SINGLE FASTENER. FOR ATTACHMENT TO OTHER WALL SUPPORT SYSTEMS, PLEASE CONTACT KINGSPAN TECHNICAL SERVICES FOR FASTENING RECOMMENDATIONS.

CONTACT KINGSPAN TECHNICAL SERVICES FOR MAXIMUM ALLOWABLE PANEL SPANS AND FASTENING PATTERNS.

DISCLAIMER

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

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

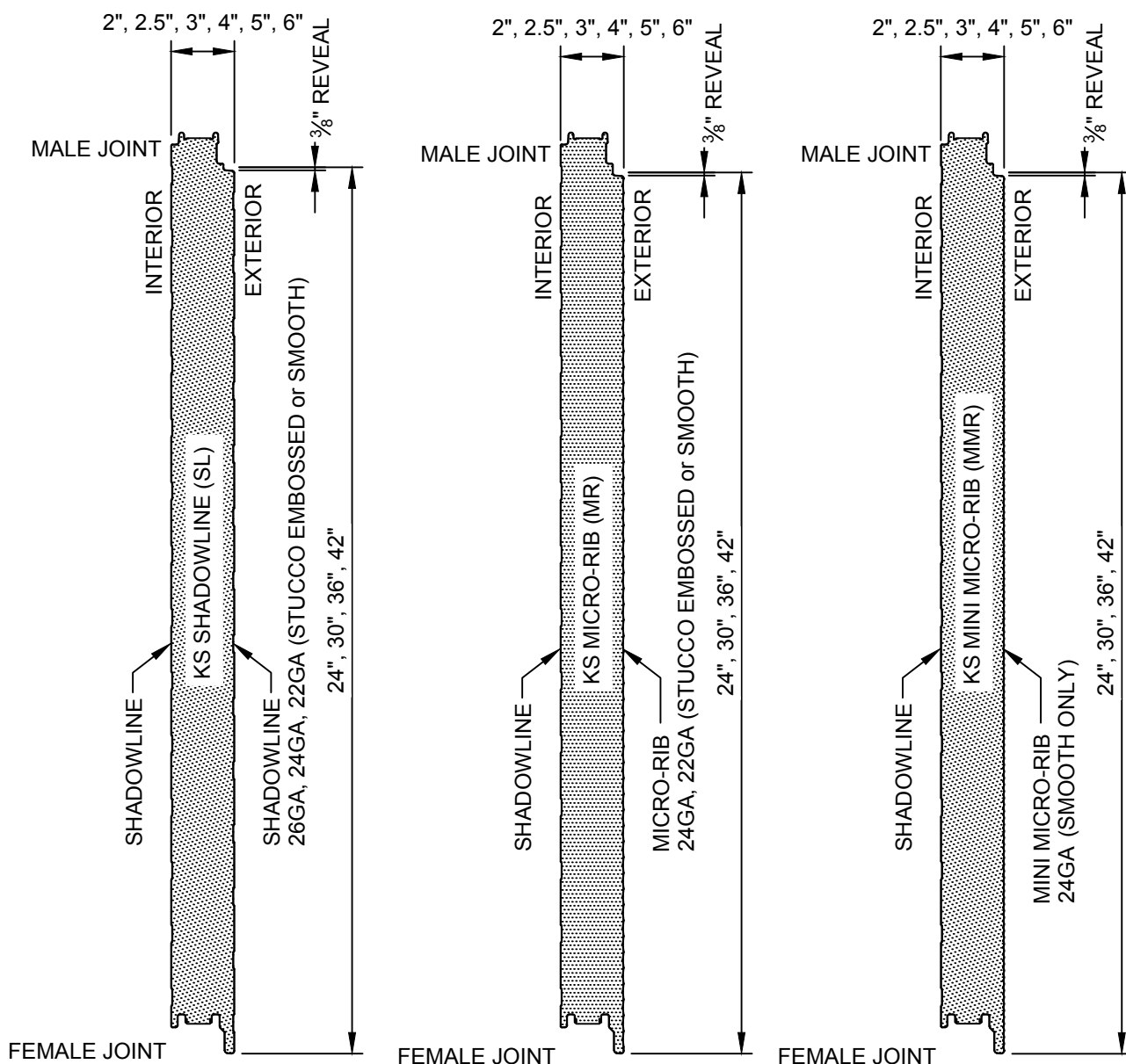
REVEAL OPTIONS:
 $\frac{1}{8}"$ or $\frac{3}{8}"$

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"



PANEL PROFILES

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

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

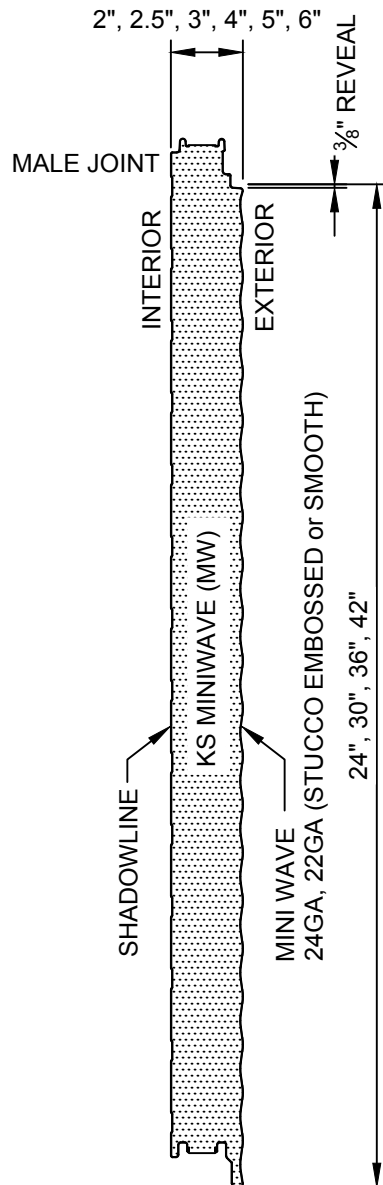
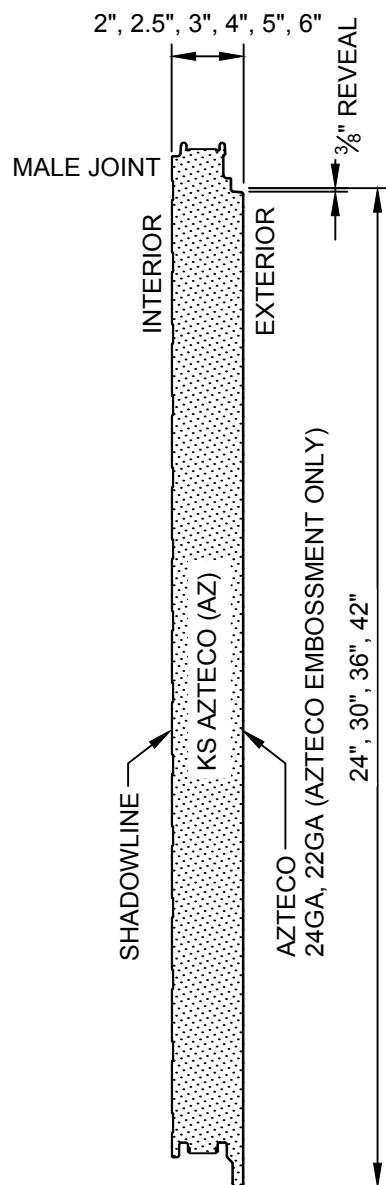
EMBOSSING:
EXTERIOR: REFER TO PROFILE
INTERIOR: STUCCO / SMOOTH

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

PANEL ORIENTATION:
VERTICAL or HORIZONTAL

LENGTHS:
MINIMUM: 8'-0"
MAXIMUM: 53'-0"

REVEAL OPTIONS:
 $\frac{1}{8}"$ or $\frac{3}{8}"$



PANEL PROFILES

DETAIL #: KPH-PP-02-MTLV

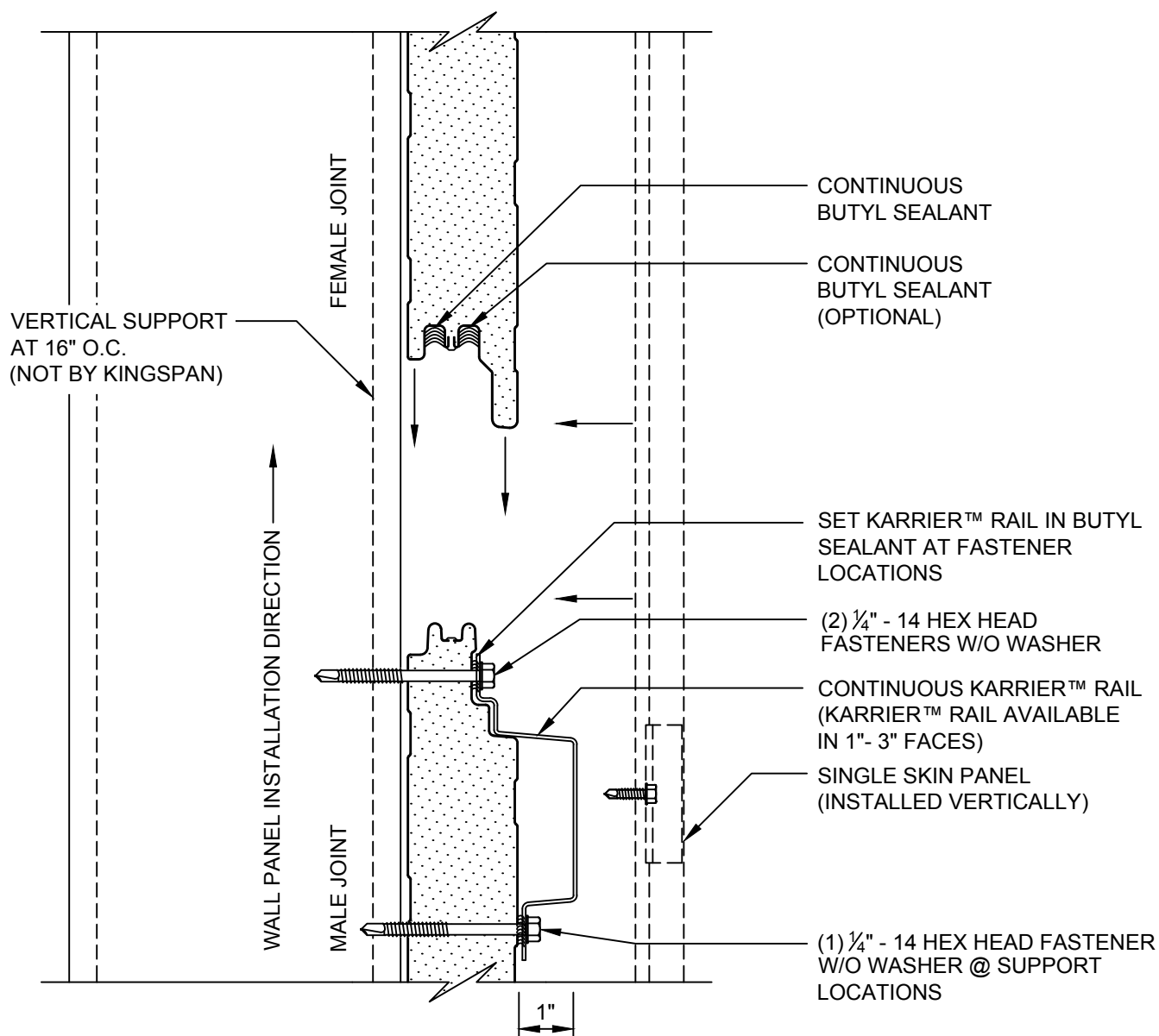
DATE: 2019



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HORIZONTAL KARRIER™ PANEL - VERTICAL 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)



EXPANDED PANEL
JOINT

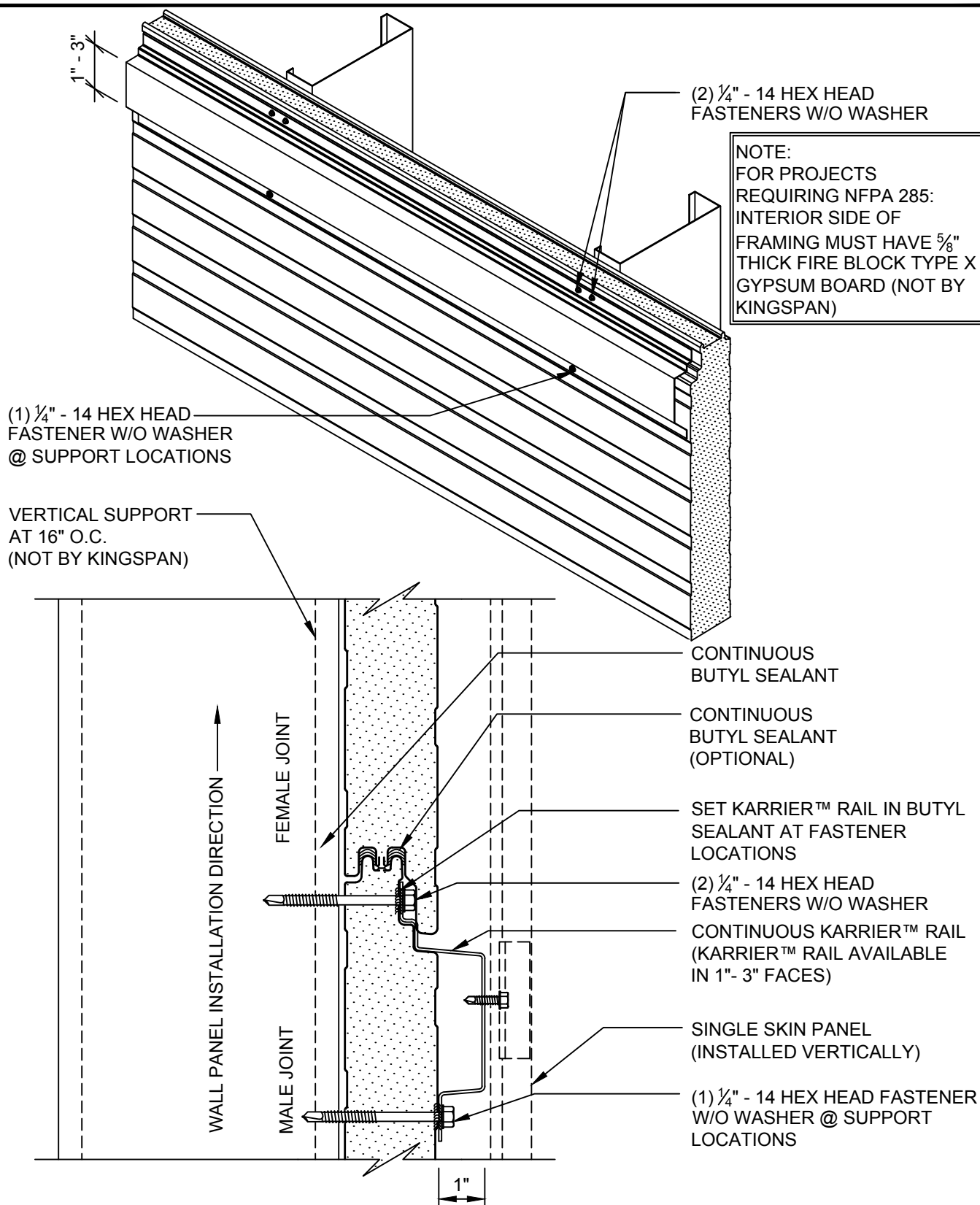
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ENGAGED PANEL
JOINT

DETAIL #: KPH-PJ-02-MTLV

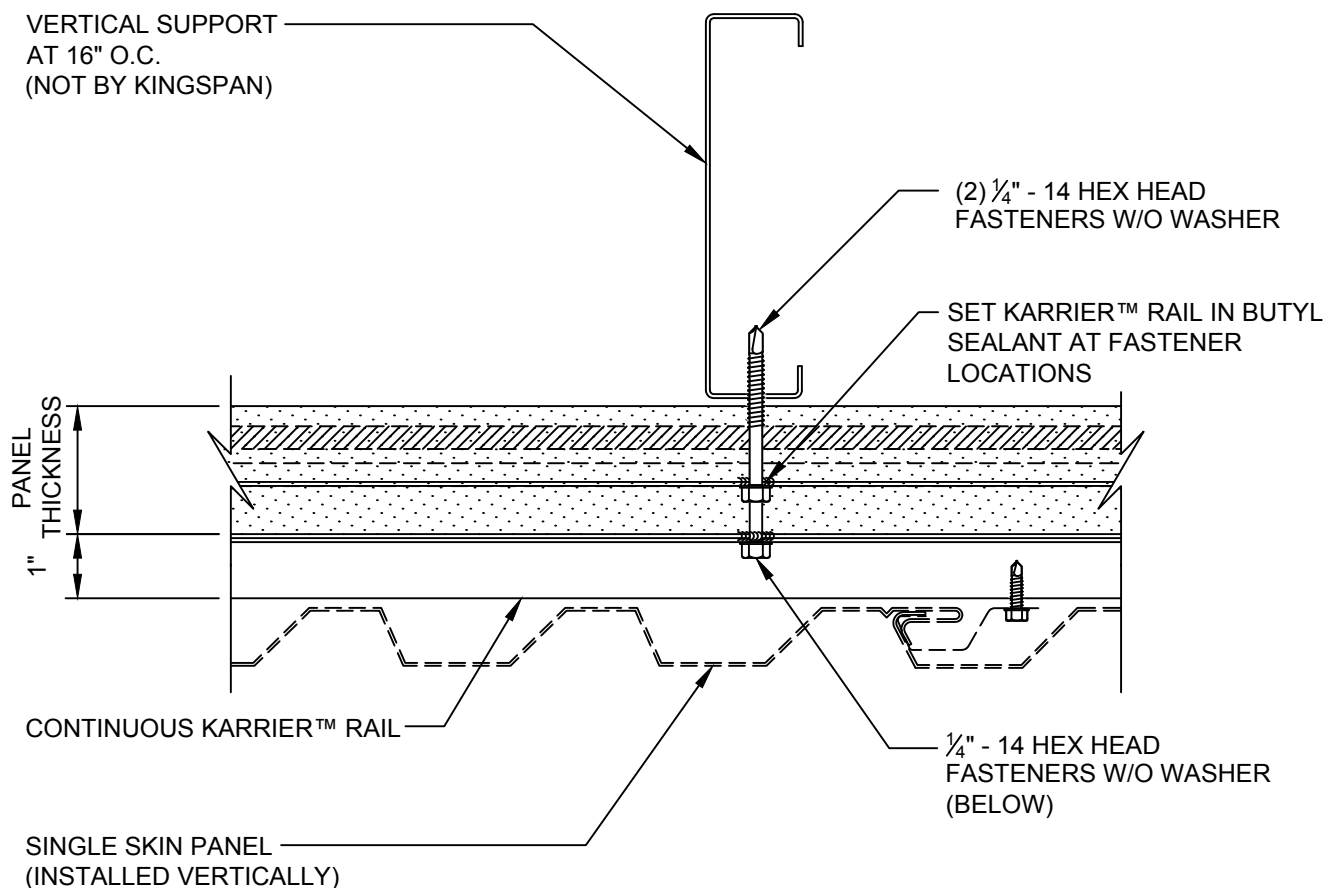
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NOTE:
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HAVE $\frac{5}{8}$ " THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)



NOTE:
CONTACT KINGSPAN TECHNICAL SERVICES FOR SPECIFIC PROJECT RECOMMENDATIONS

INTERMEDIATE
SUPPORT

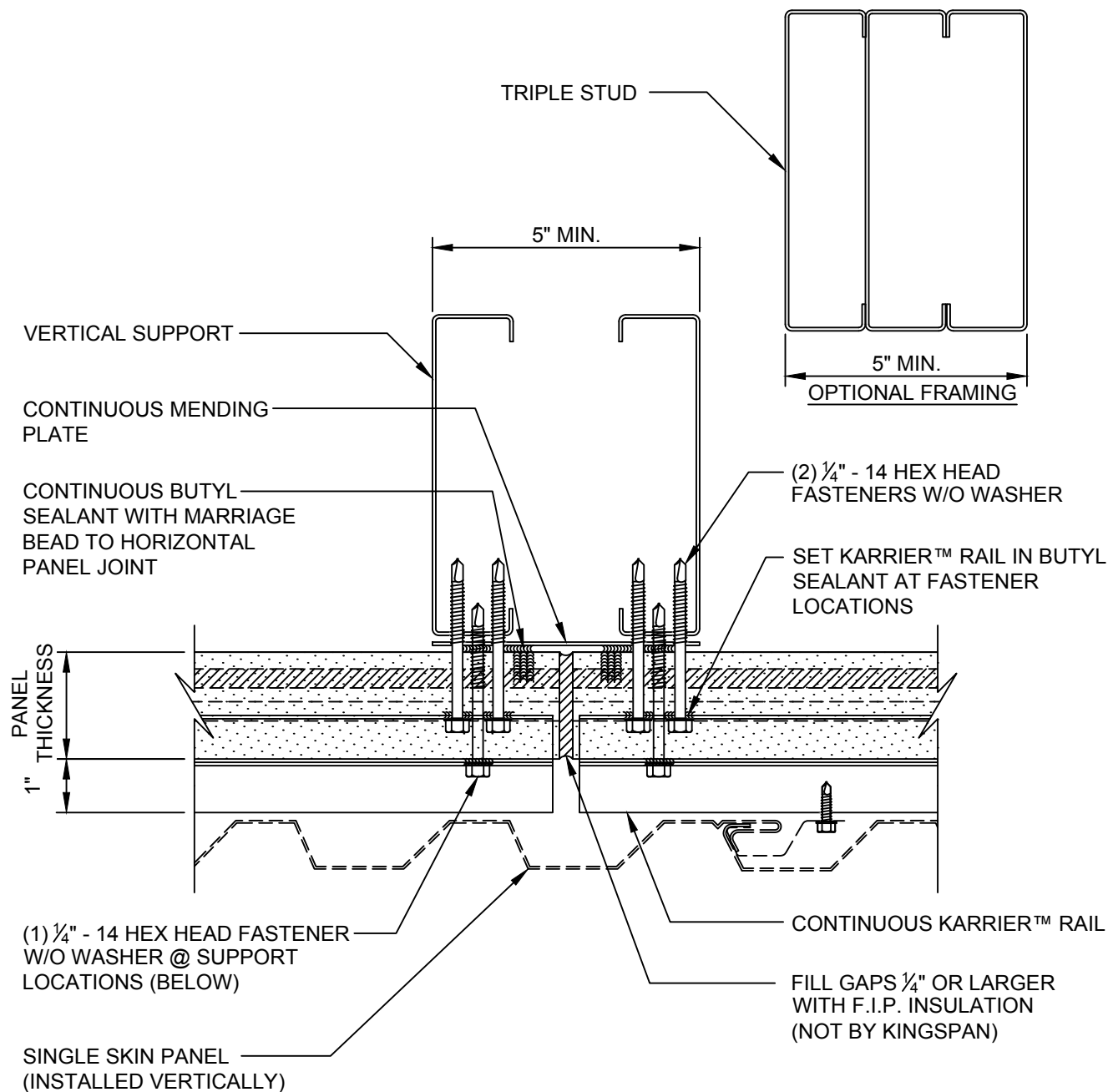
DETAIL #: KPH-PJ-03-MTLV

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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)

VERTICAL JOINT

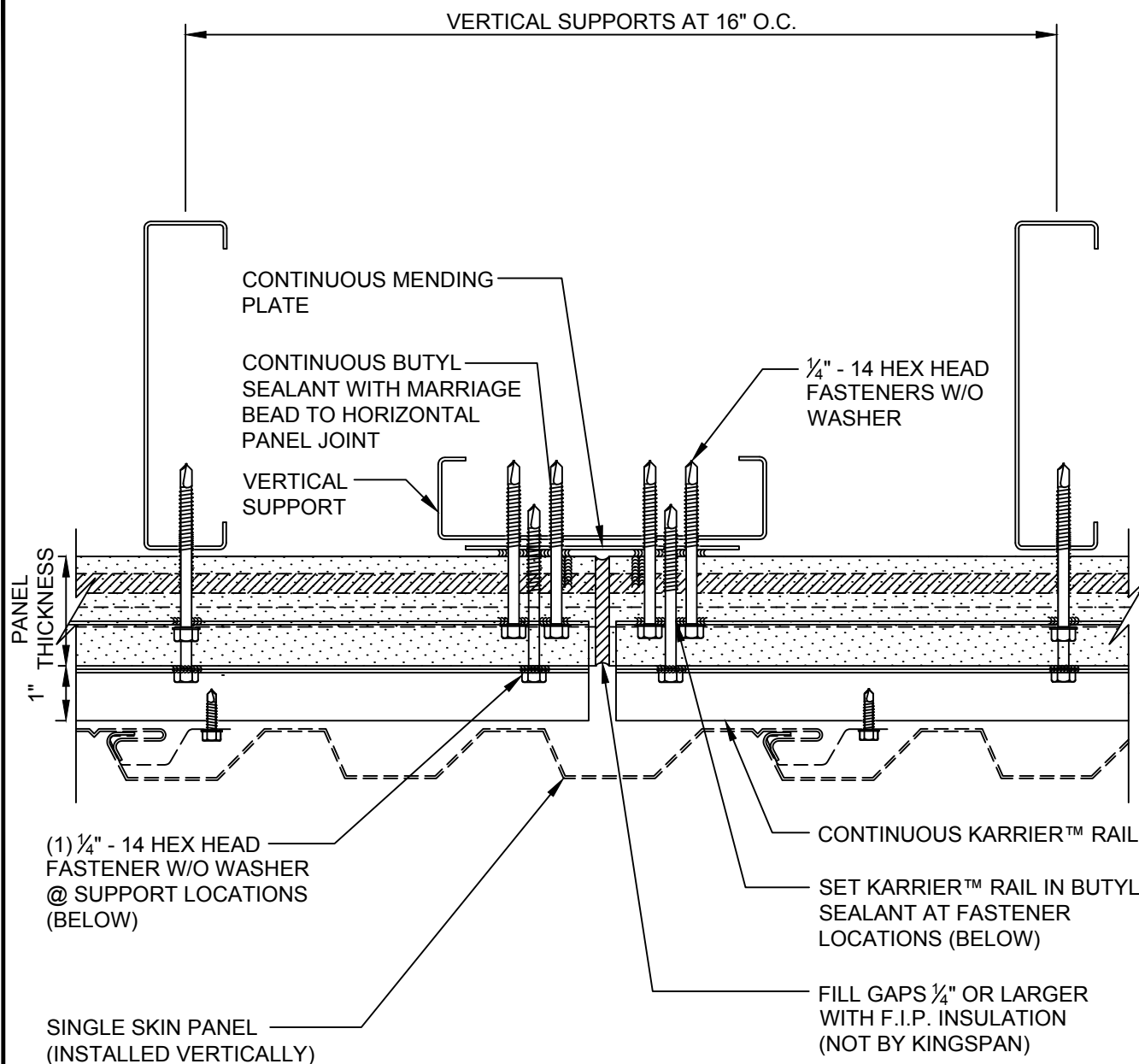
DETAIL #: KPH-PJ-04-MTLV

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

VERTICAL JOINT
BETWEEN STUDS

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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
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

MULTI-STORY FIRE
STOPPING DETAIL

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HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE

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)

KARRIER PANEL INSTALLED
HORIZONTALLY KARRIER RAIL
NOT SHOWN FOR CLARITY

KARRIER RAIL

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)

MULTI-STORY FIRE STOPPING ASSEMBLY

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HORIZONTAL KARRIER™ PANEL - VERTICAL 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)

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)

KARRIER PANEL INSTALLED
HORIZONTALLY KARRIER RAIL
NOT SHOWN FOR CLARITY

FACADE PANEL
(INSTALLED
VERTICALLY)

KARRIER RAIL

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

MULTI-STORY FIRE STOPPING ASSEMBLY

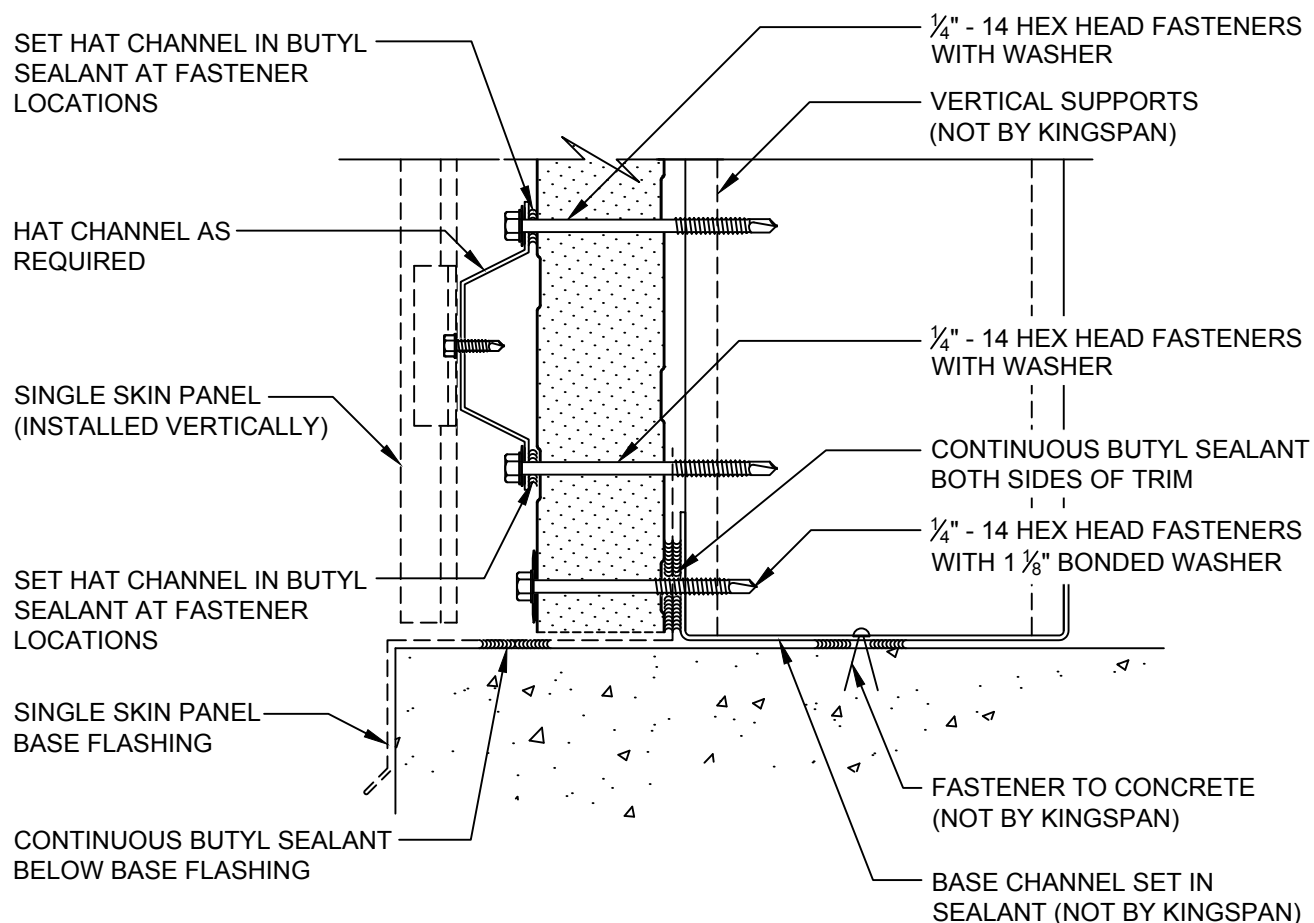
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HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE



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

**BASE DETAIL
FLUSH**

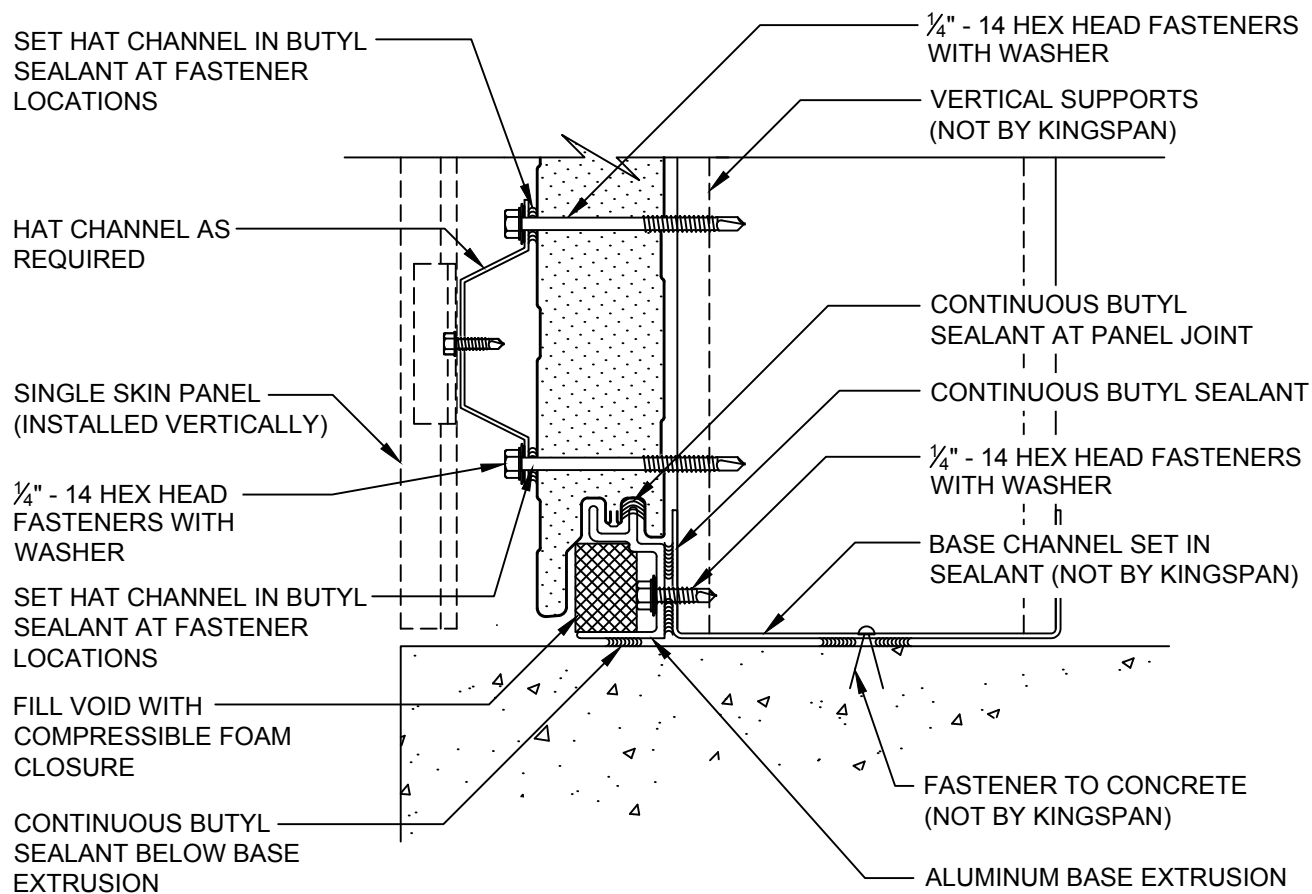
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NOTE:
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INTERIOR SIDE OF FRAMING MUST
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GYPSUM BOARD (NOT BY KINGSPAN)

**BASE DETAIL
FLUSH WITH
EXTRUSION**

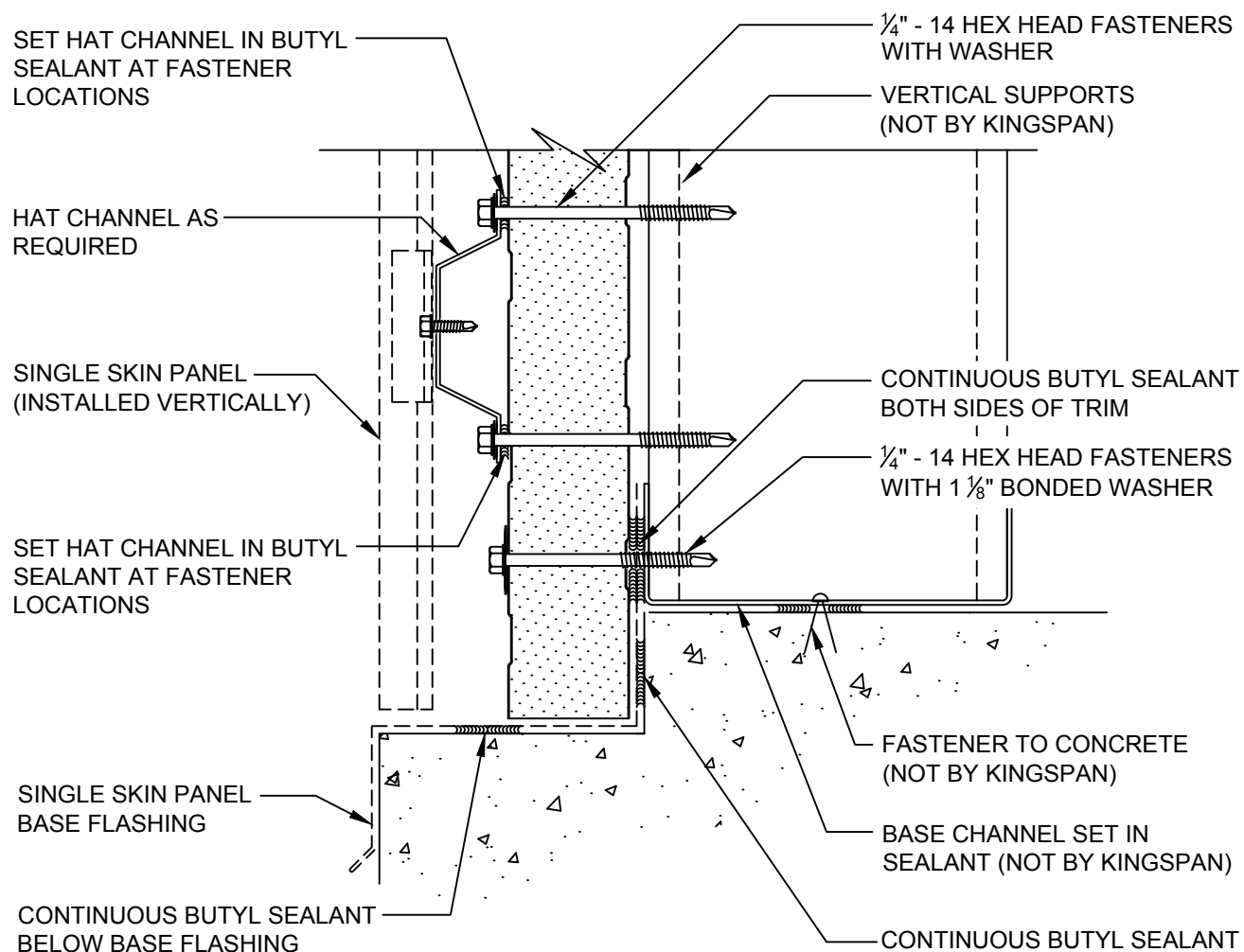
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**BASE AT NOTCHED
CONCRETE**

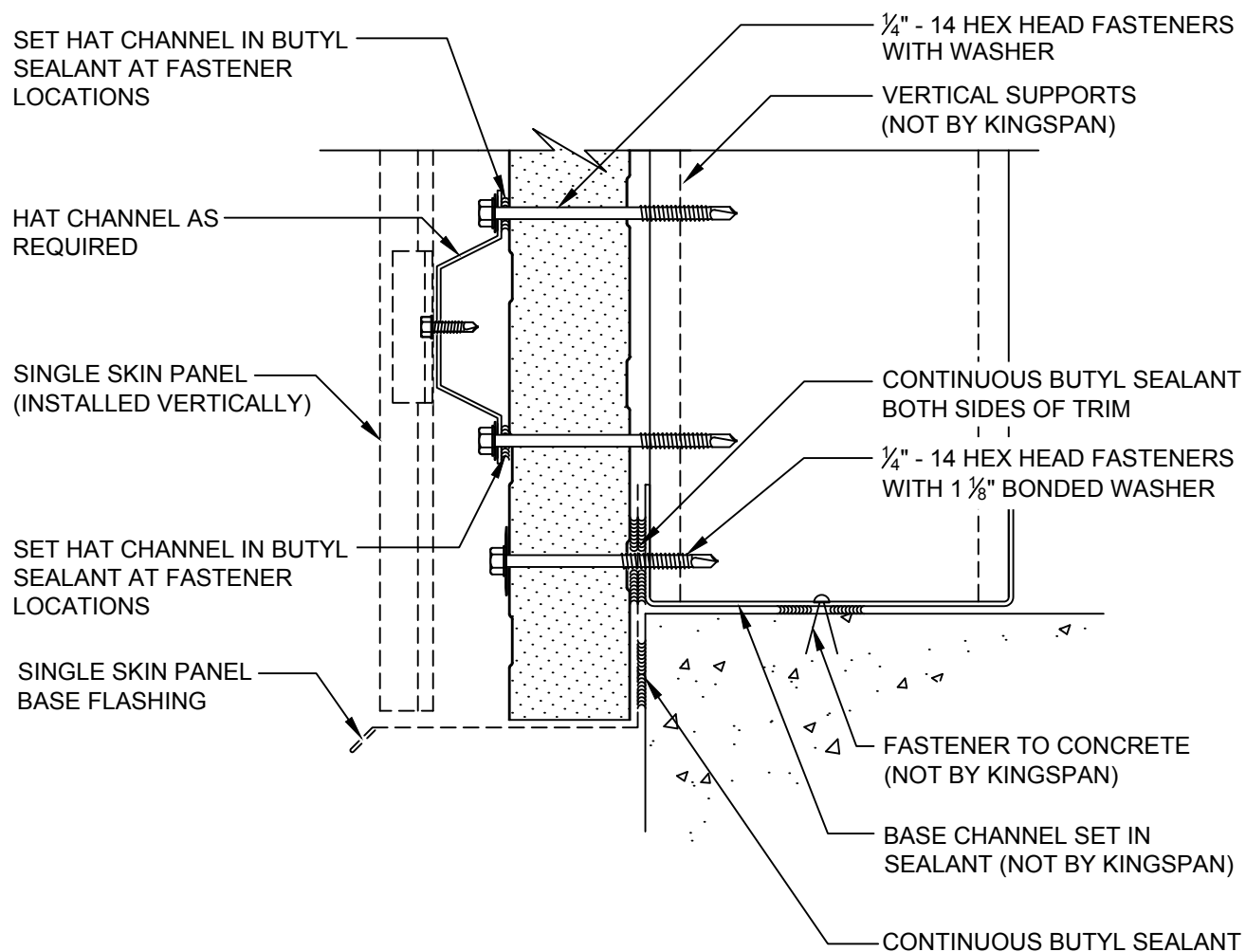
DETAIL #: KPH-BS-03-MTLV

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HORIZONTAL KARRIER™ PANEL - VERTICAL 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)

BASE AT OVERHANG

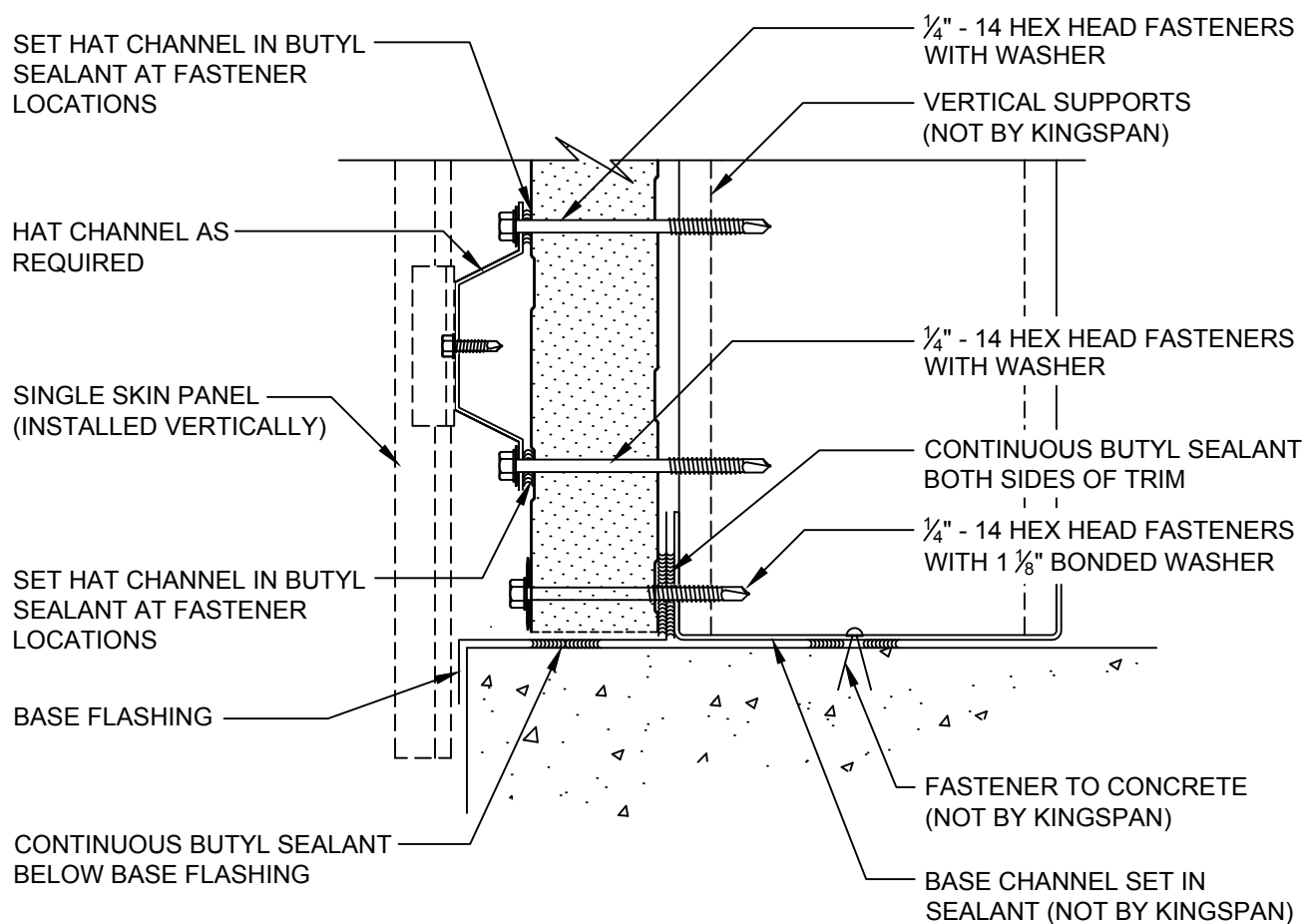
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HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE



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

BASE AT OVERHANG
SINGLE SKIN

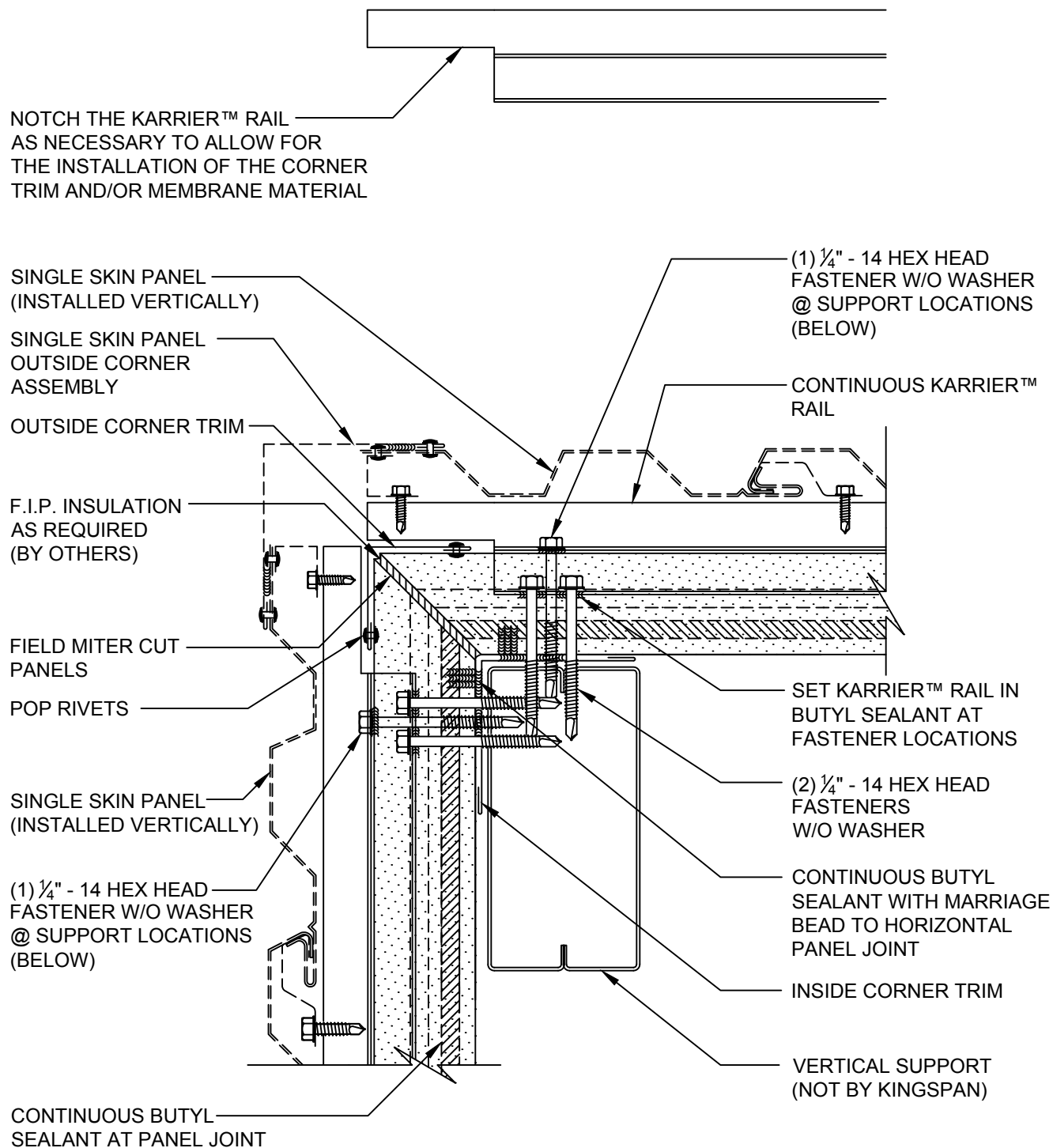
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HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE



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

OUTSIDE CORNER
(HIGH CELL)

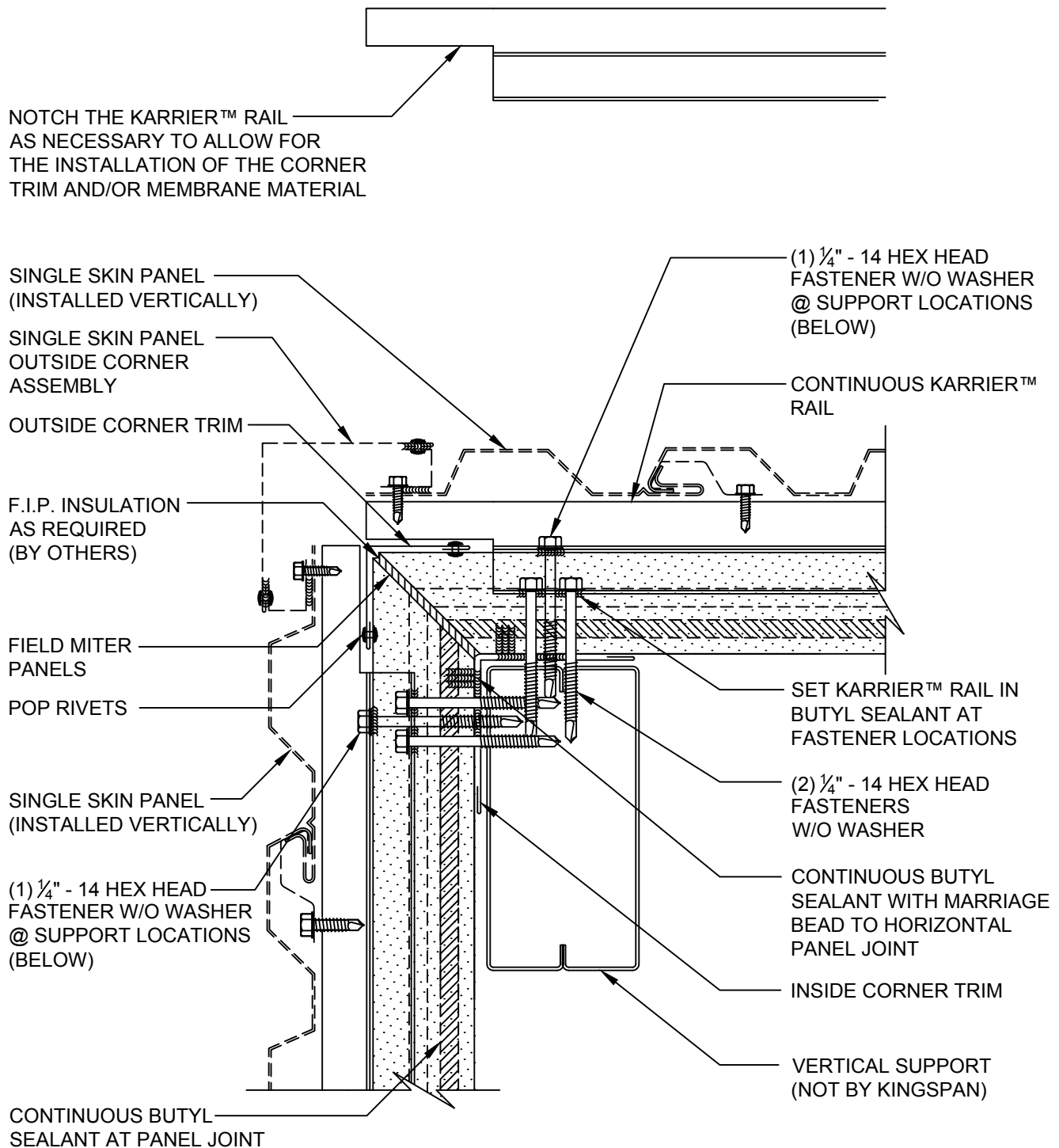
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HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE



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

OUTSIDE CORNER
(LOW CELL)

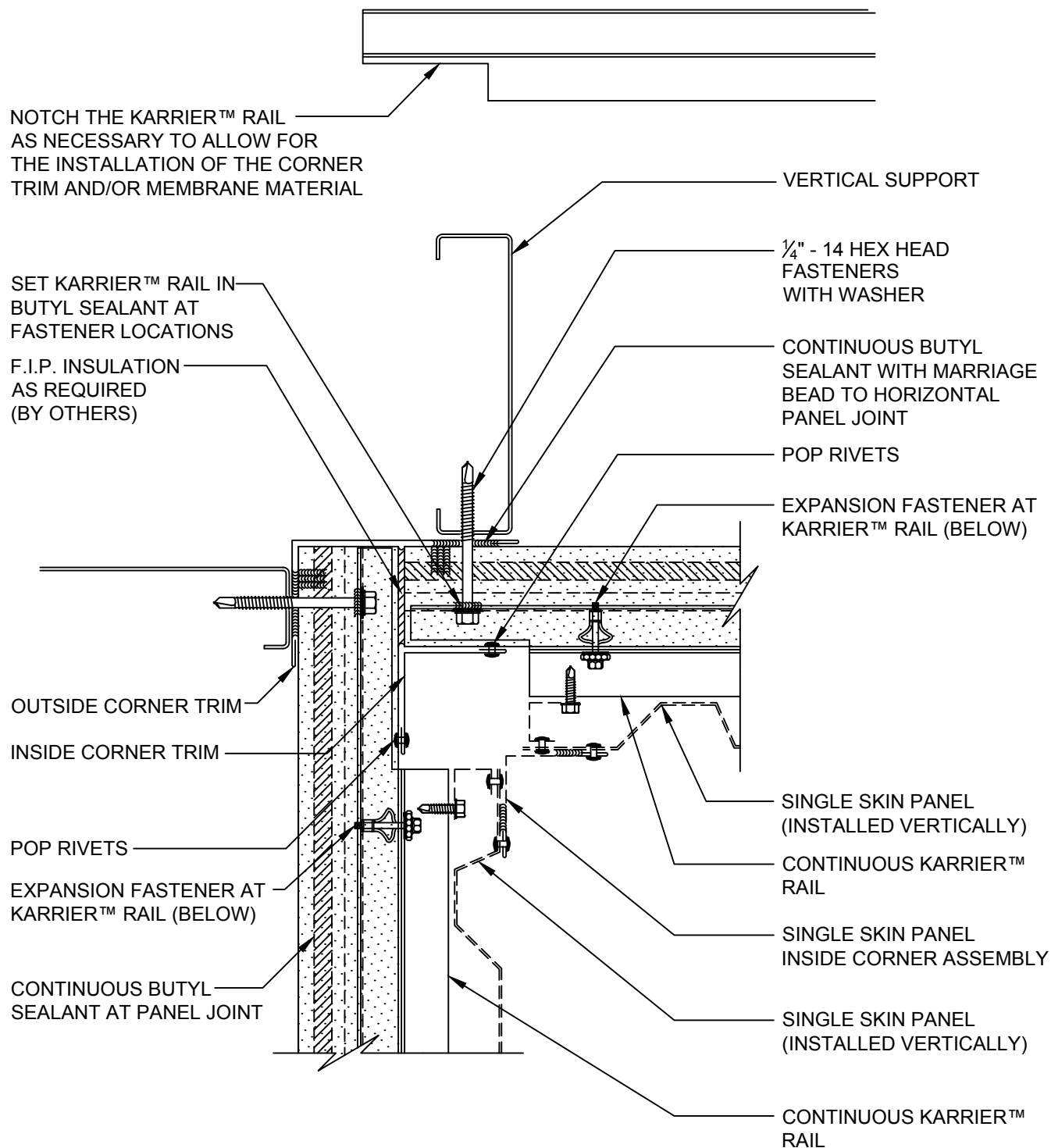
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NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

**INSIDE CORNER
(HIGH CELL)**

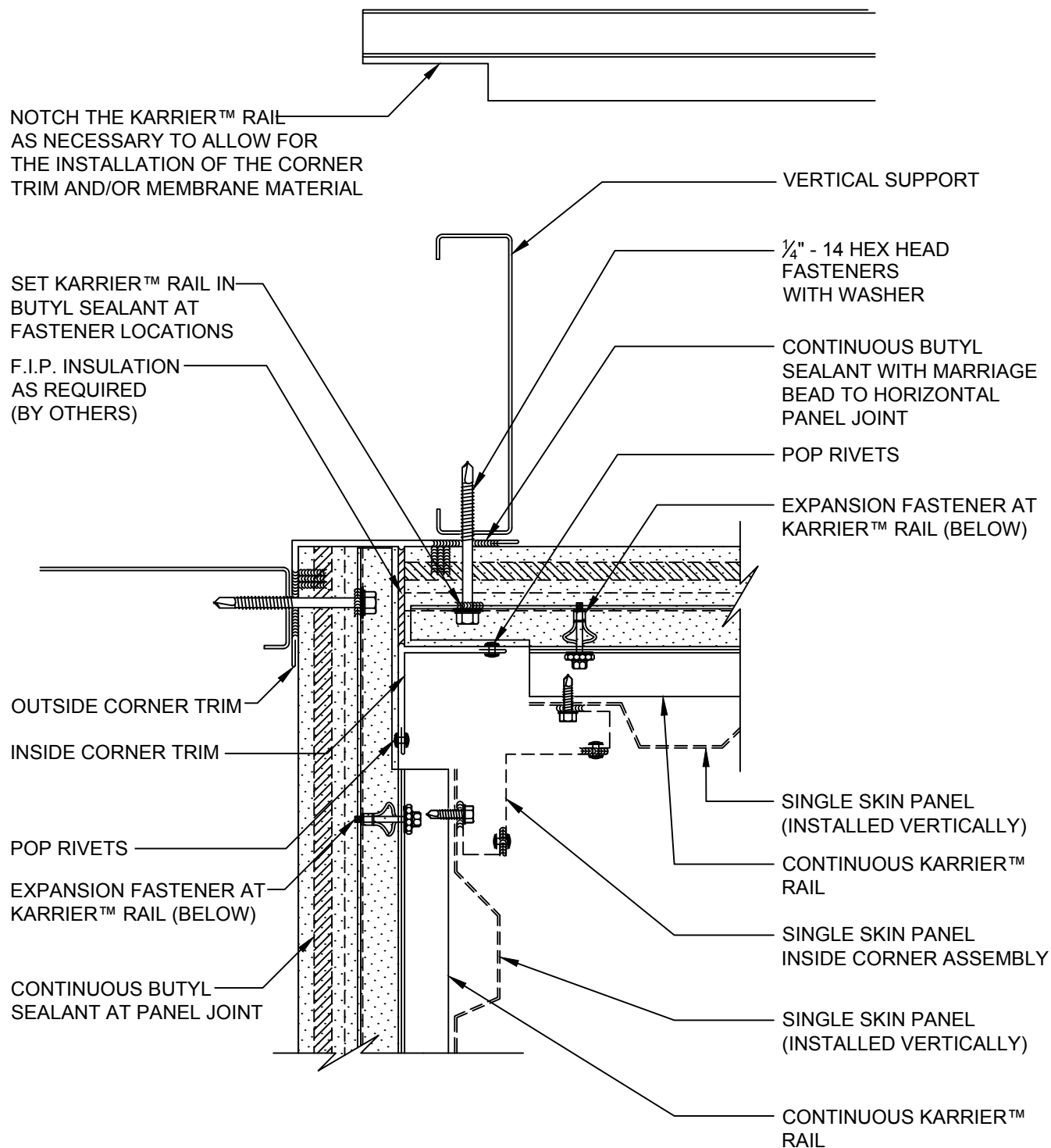
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**INSIDE CORNER
(LOW CELL)**

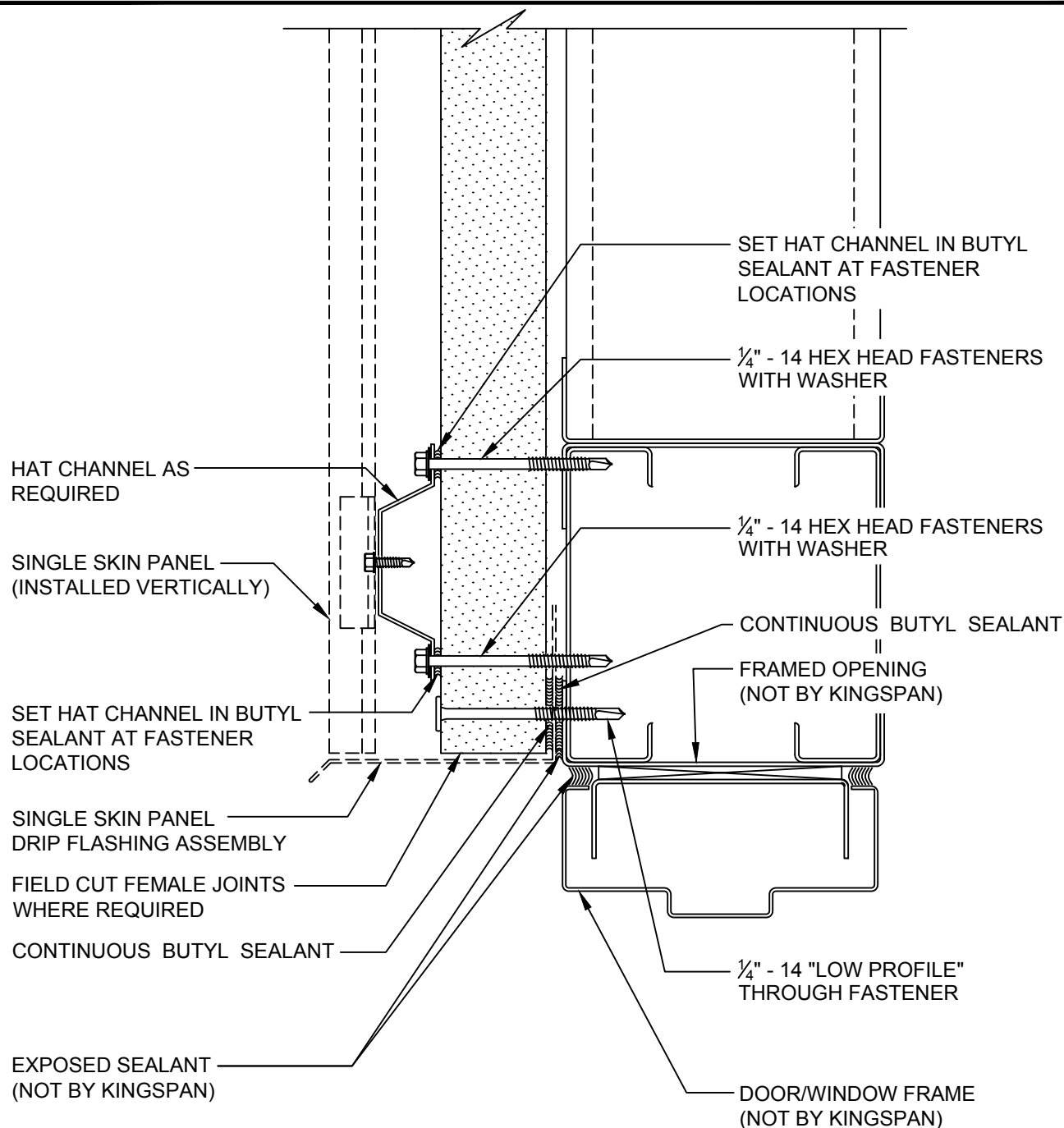
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NOTE:
FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

FRAMED OPENING HEAD

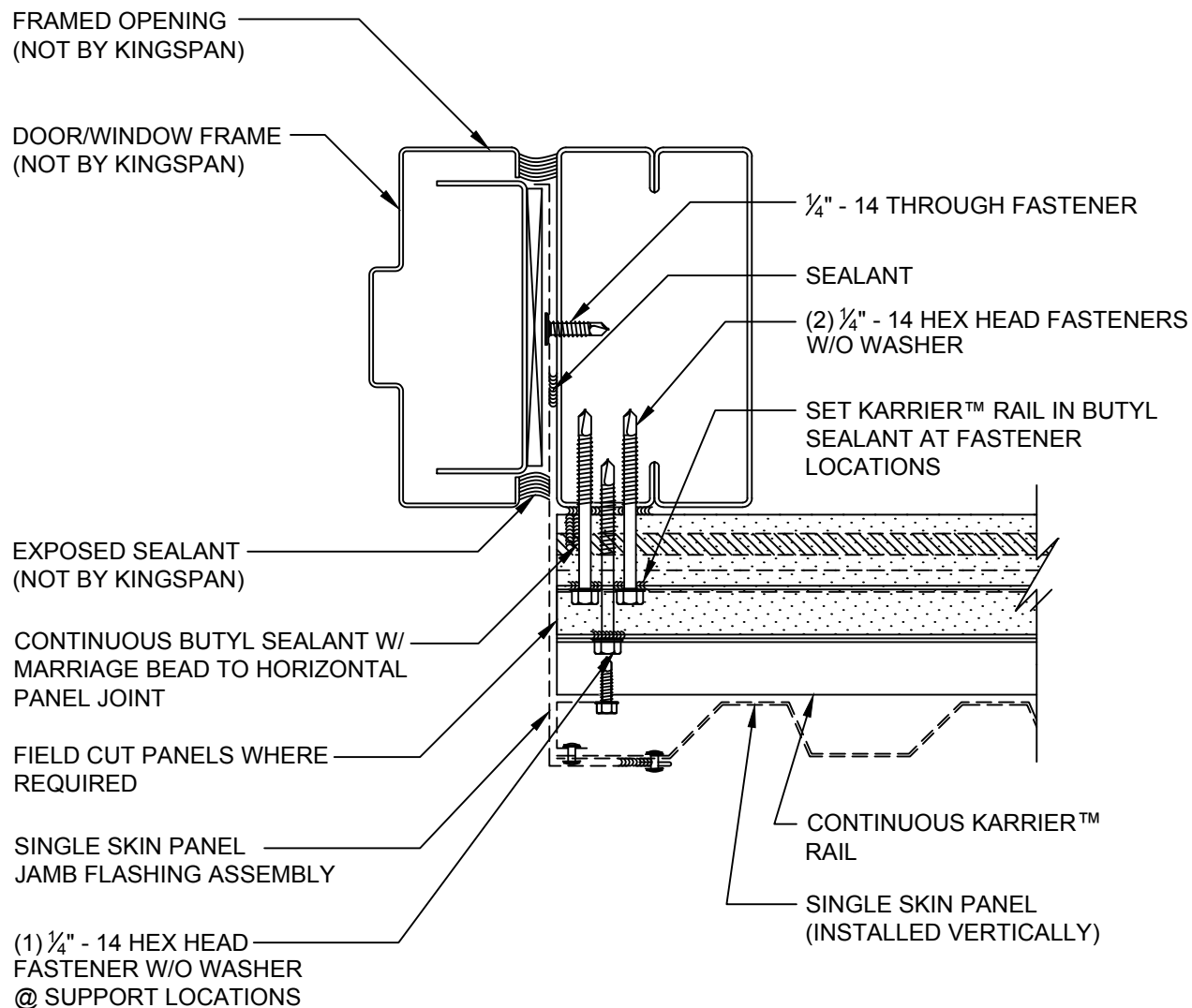
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FOR PROJECTS REQUIRING NFPA 285:
INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

**FRAMED OPENING
JAMB (HIGH CELL)**

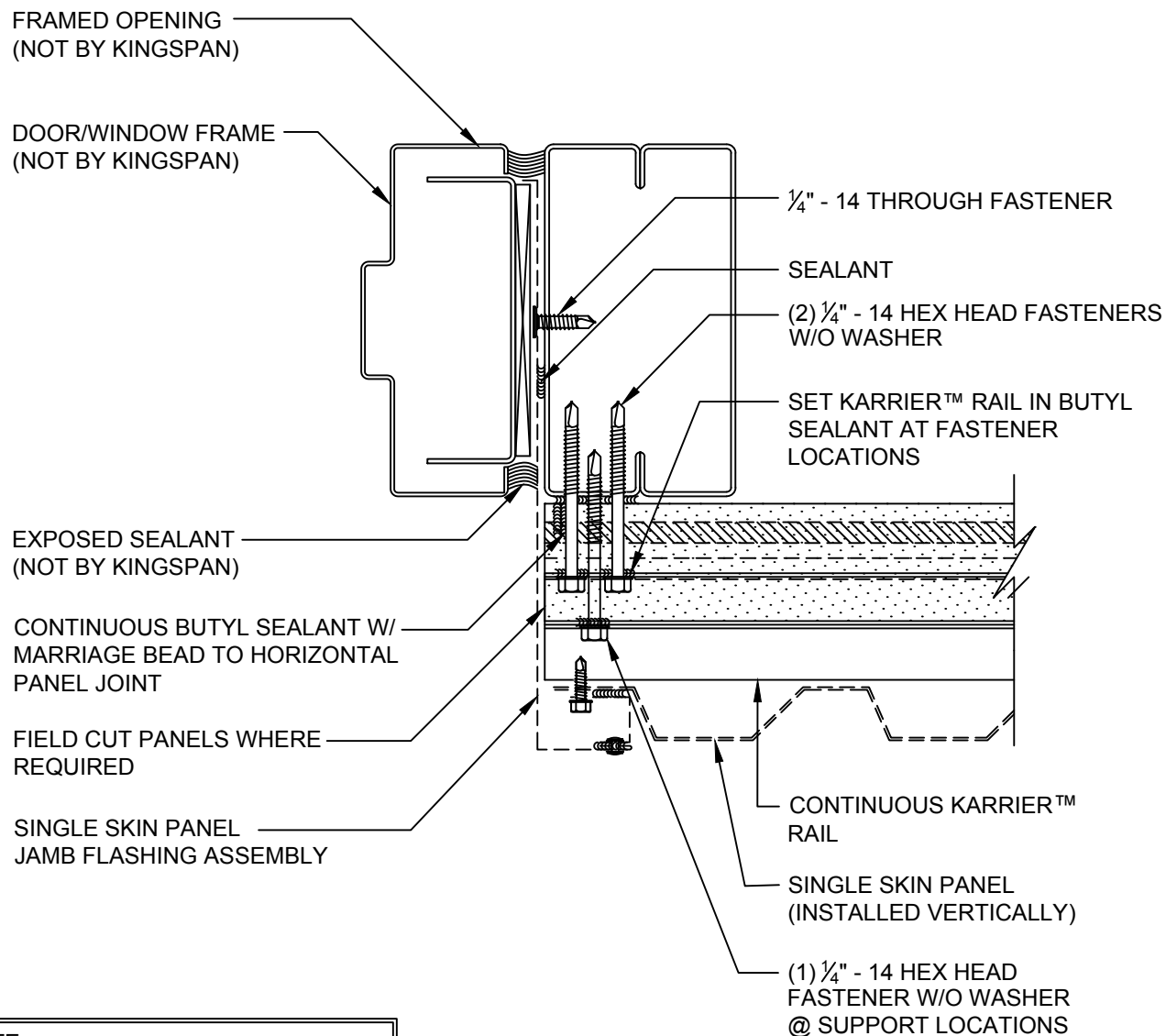
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INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

**FRAMED OPENING
JAMB (LOW CELL)**

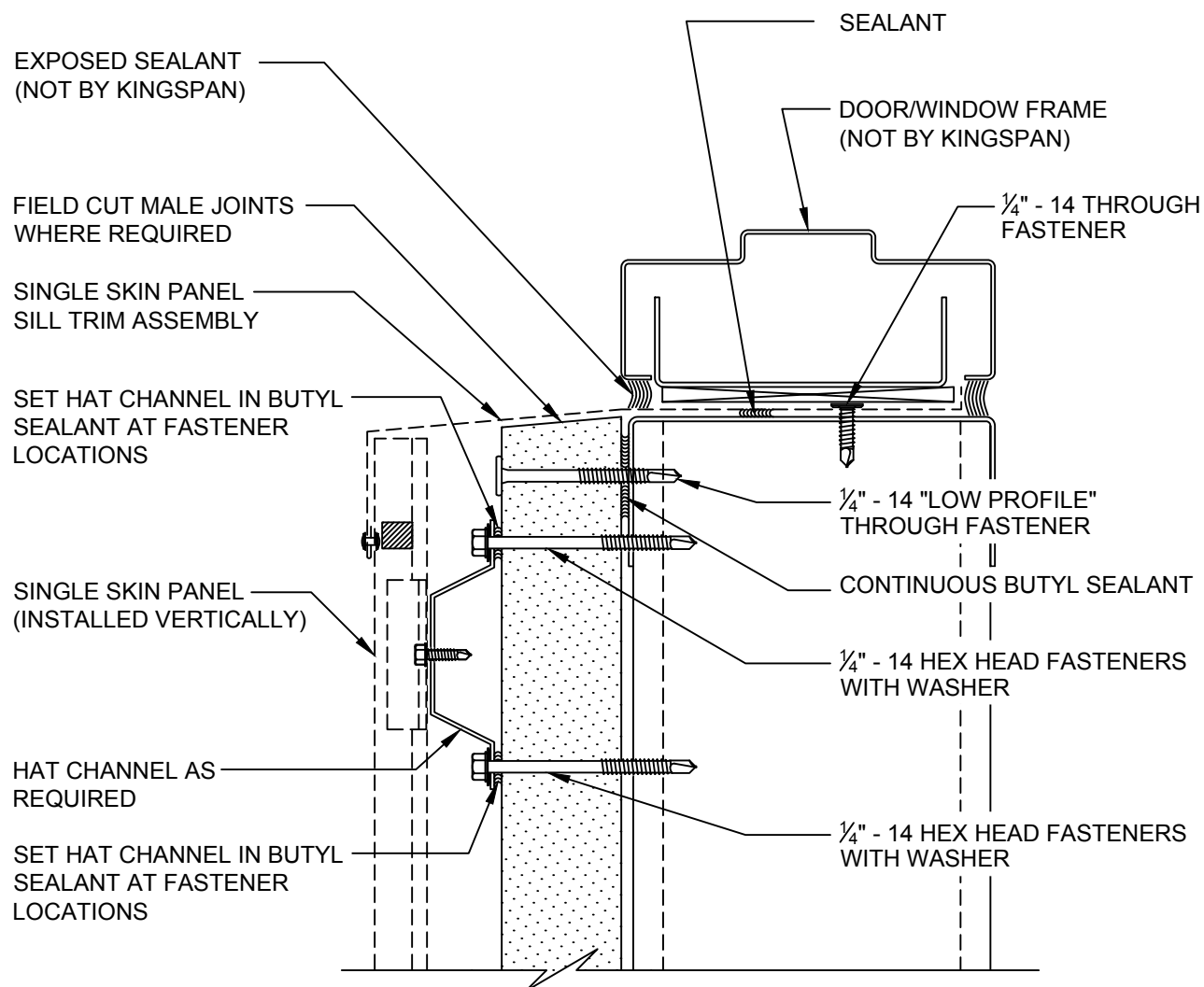
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NOTE:
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INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

FRAMED OPENING SILL

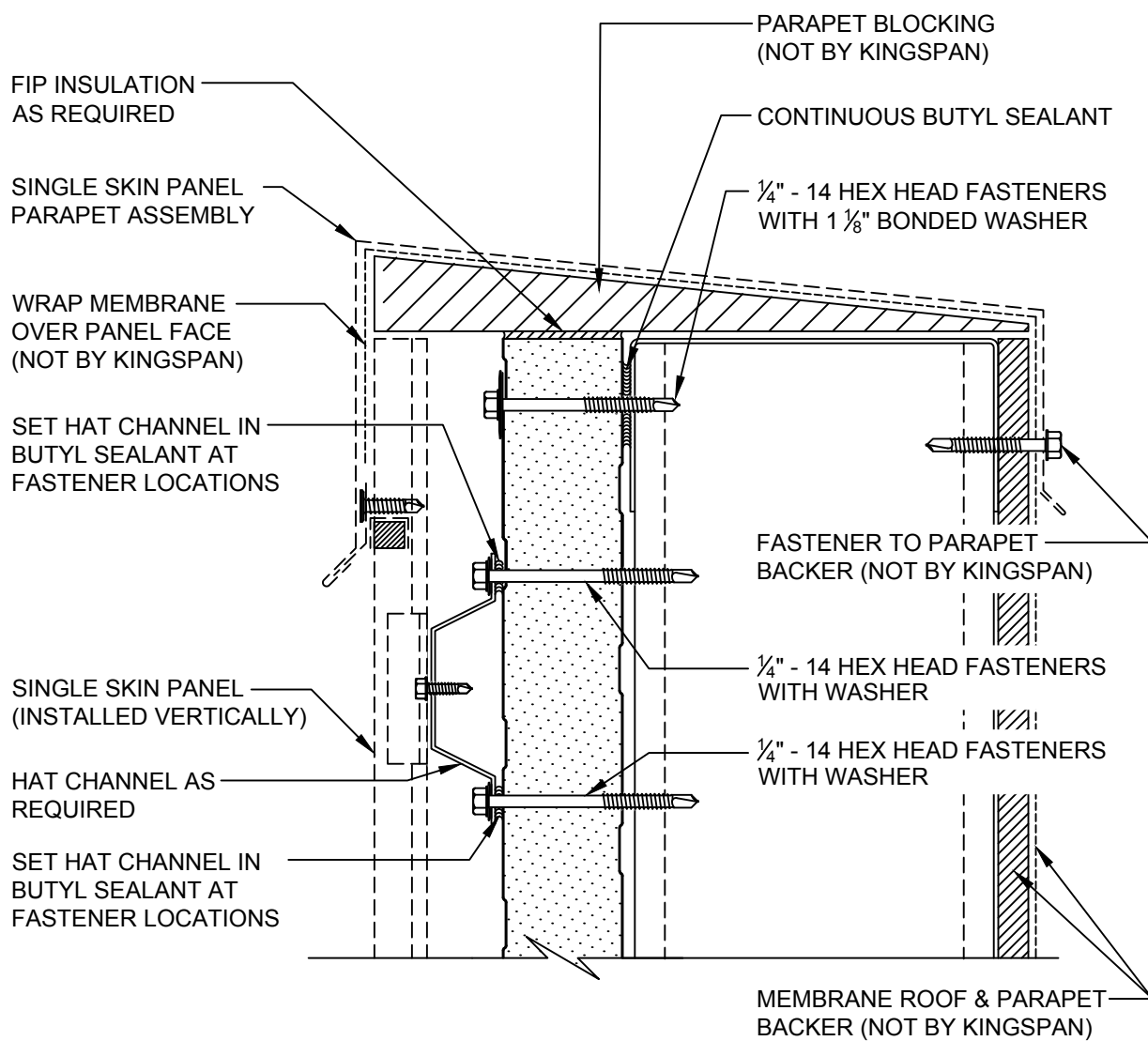
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NOTE:
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HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

PARAPET DETAIL

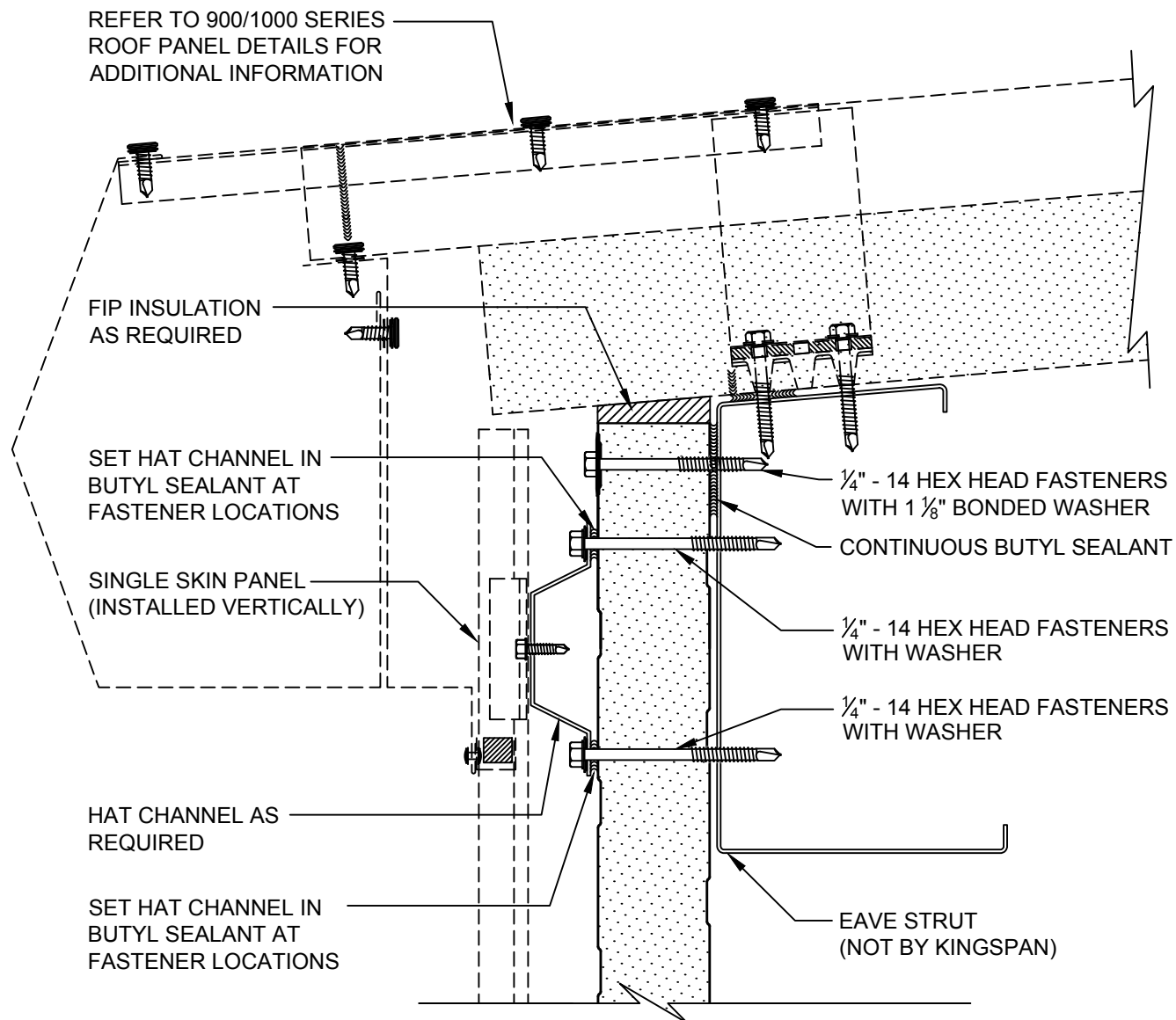
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HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE



NOTE:
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GYPSUM BOARD (NOT BY KINGSPAN)

LOW EAVE DETAIL

DETAIL #: KPH-LE-01-MTLV

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HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE

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

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

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

RAKE DETAIL

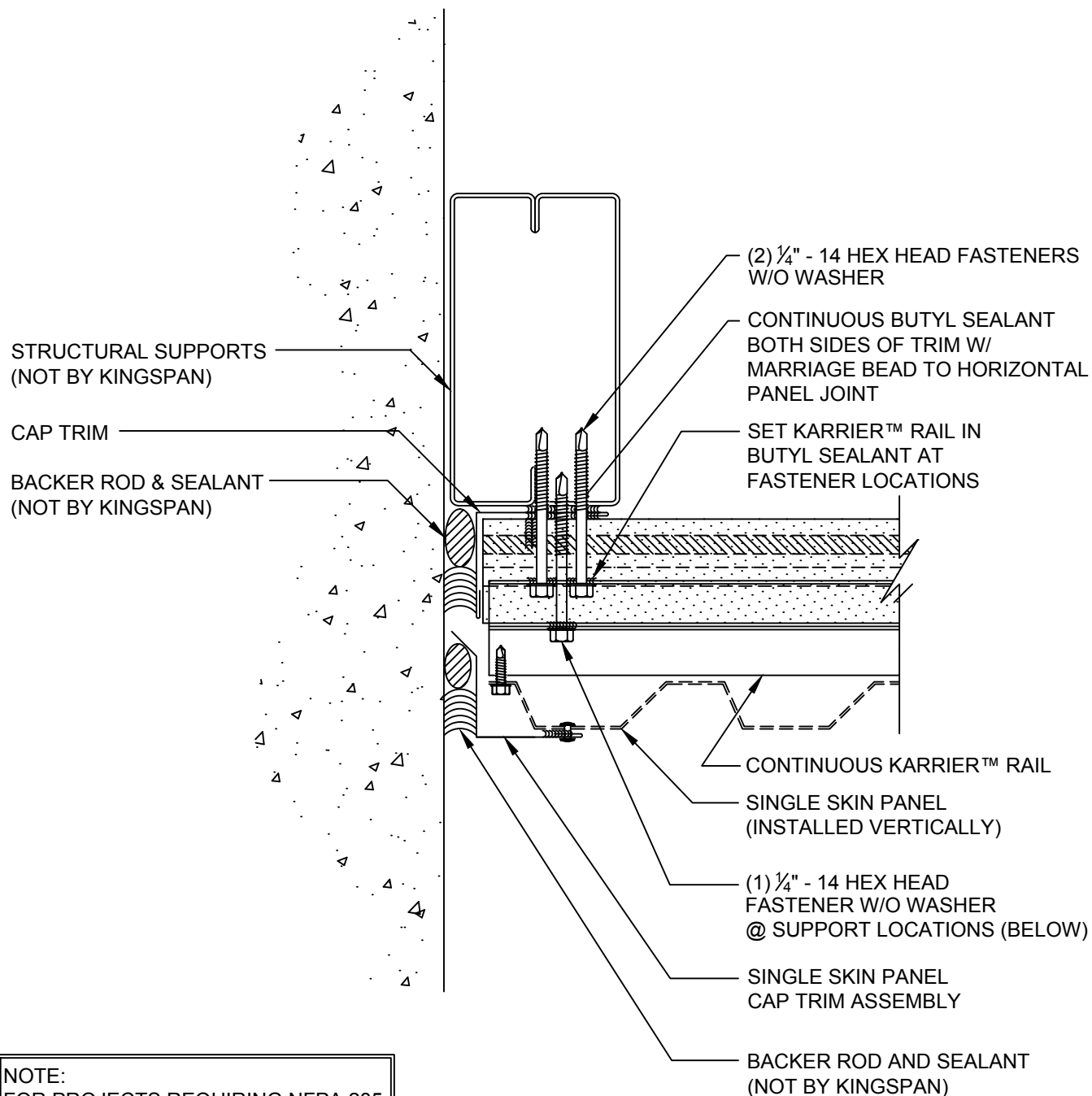
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NOTE:
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INTERIOR SIDE OF FRAMING MUST
HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

PANEL TERMINATION (HIGH CELL)

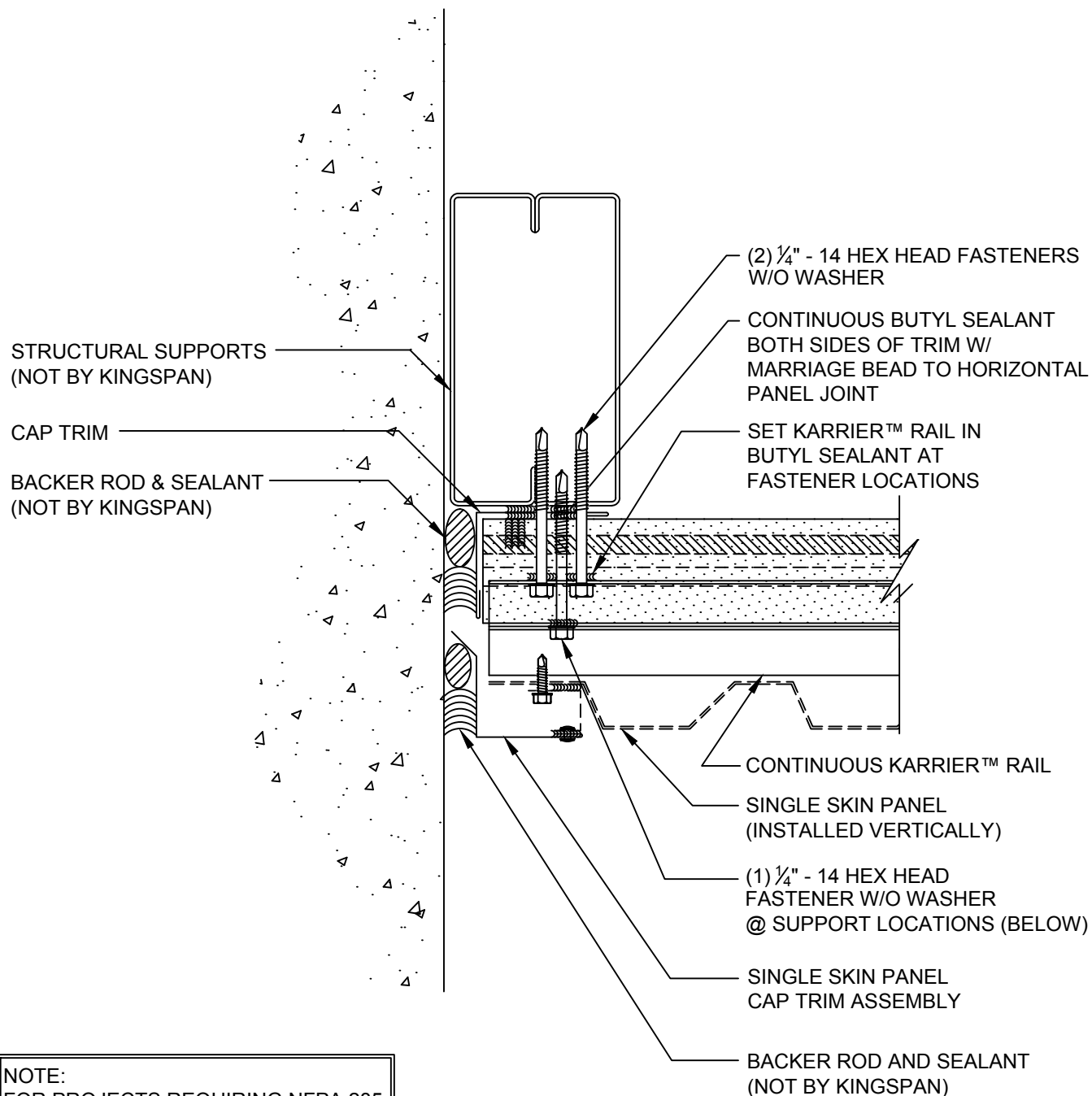
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HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE



NOTE:
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HAVE 5/8" THICK FIRE BLOCK TYPE X
GYPSUM BOARD (NOT BY KINGSPAN)

PANEL TERMINATION (LOW CELL)

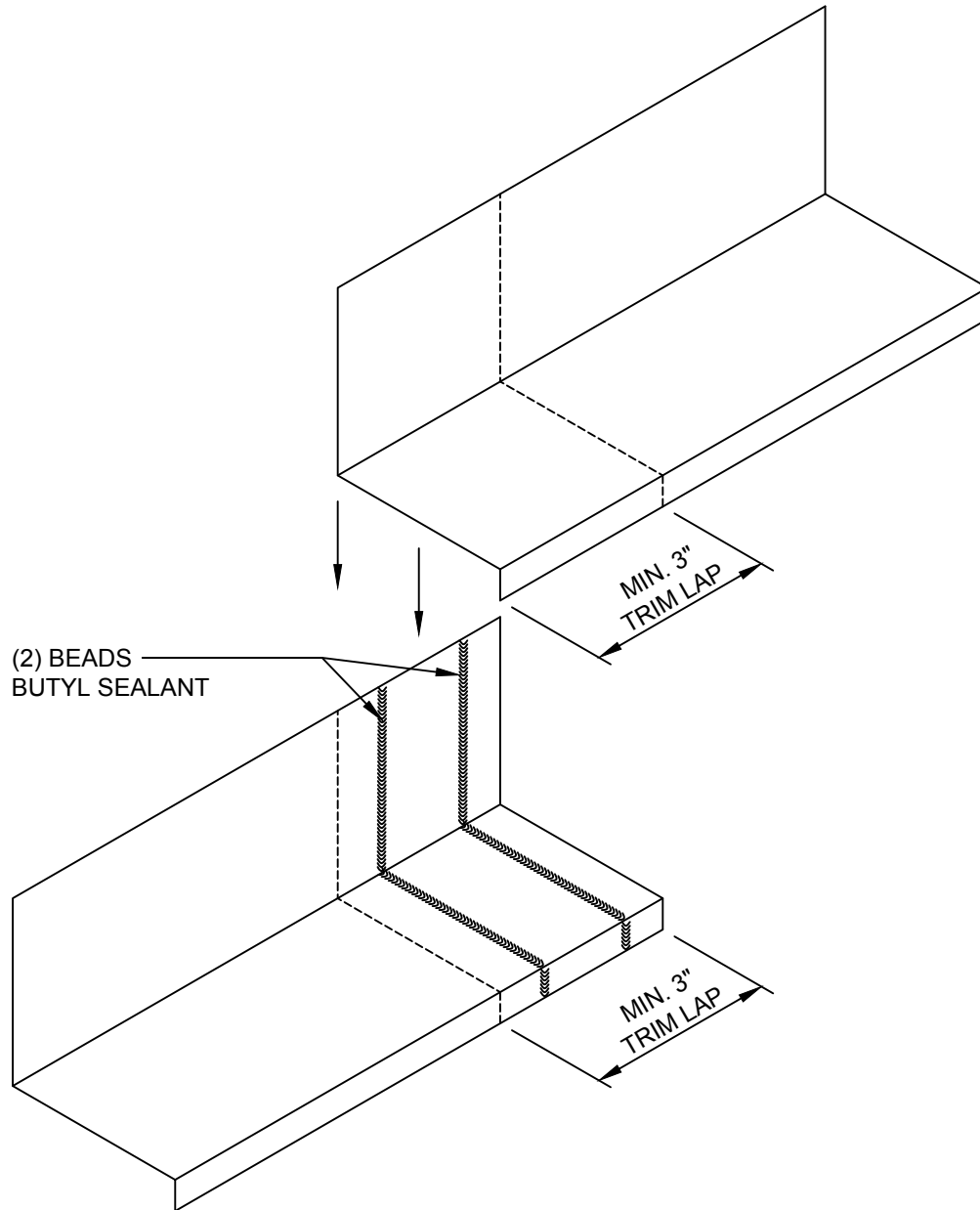
DETAIL #: KPH-TP-02-MTLV

DATE: 2019



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HORIZONTAL KARRIER™ PANEL - VERTICAL METAL FACADE



TRIM END LAP

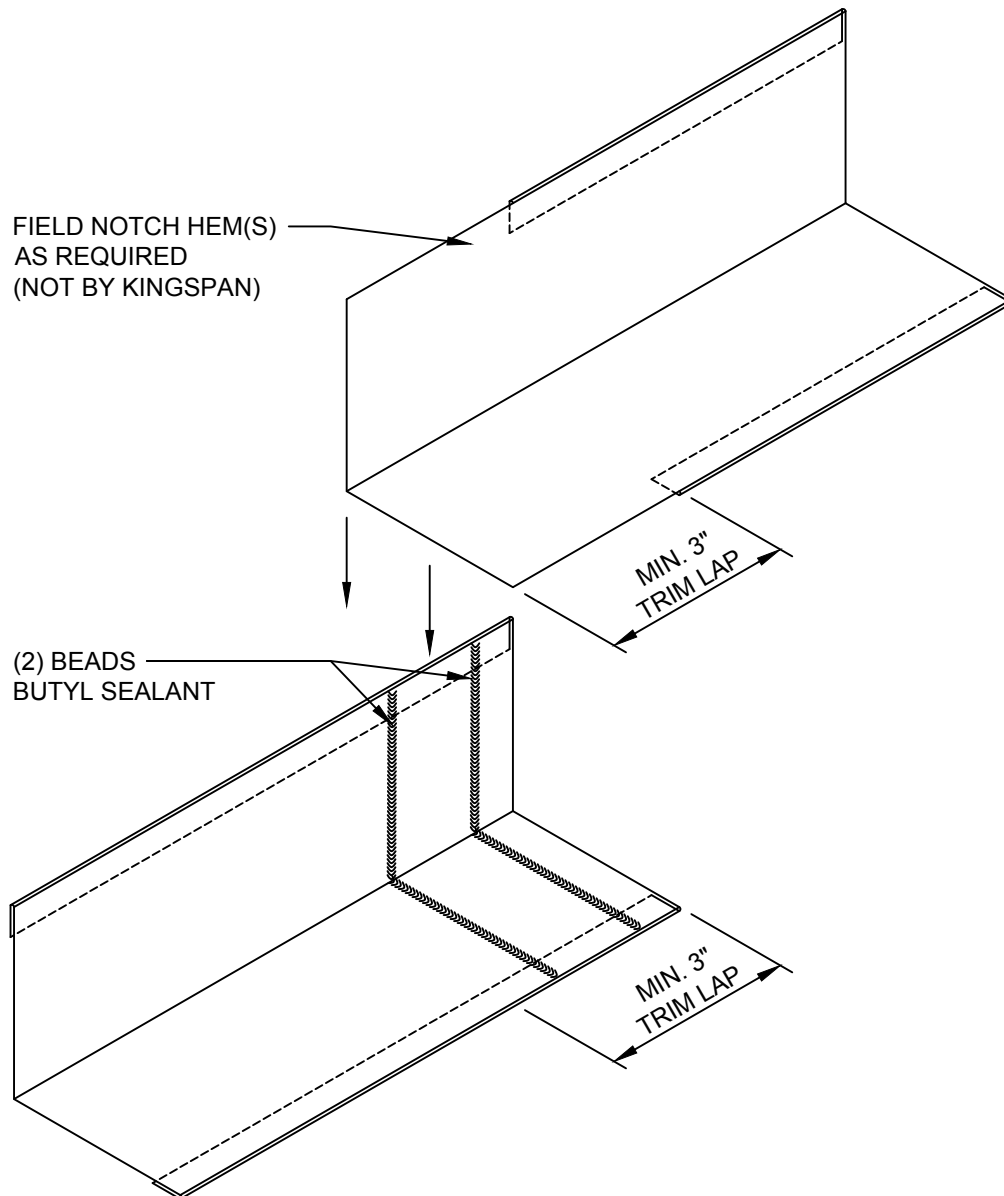
DETAIL #: KPH-TL-01-MTLV

DATE: 2019

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TRIM END LAP
WITH HEMS

DETAIL #: KPH-TL-02-MTLV

DATE: 2019

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