

VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

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DETAIL #: KPV-XX-XX-MTLH

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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. AND CANADIAN CLIMATIC 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 STRUCTURAL SUPPORTS ARE NOT BY KINGSPAN AND ARE SHOWN FOR CLARIFICATION AND ILLUSTRATION PURPOSES ONLY.

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

DISCLAIMER

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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

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

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

EMBOSSING:

EXTERIOR: STUCCO / SMOOTH*

INTERIOR: STUCCO / SMOOTH

LENGTHS:

MINIMUM: 8'-0"

MAXIMUM: 53'-0"

STEEL GAUGES:

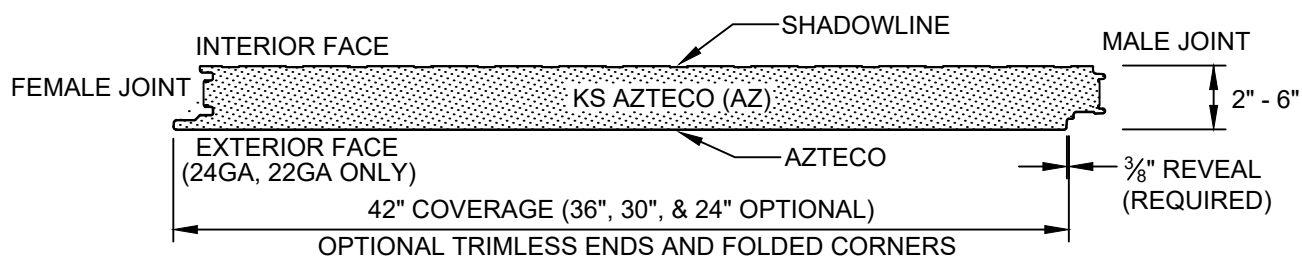
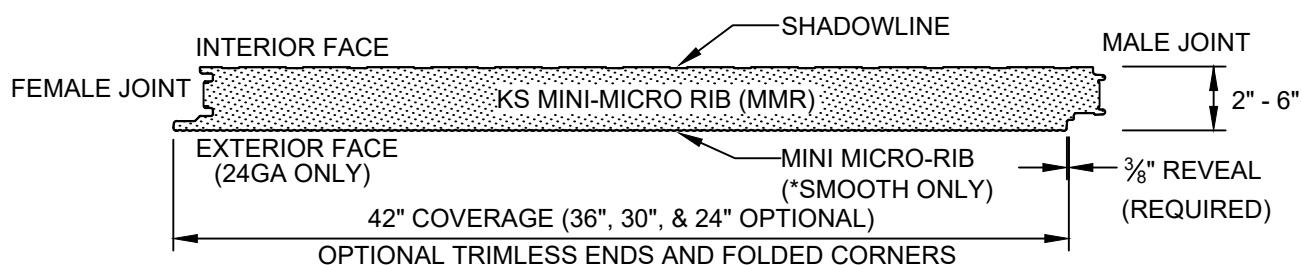
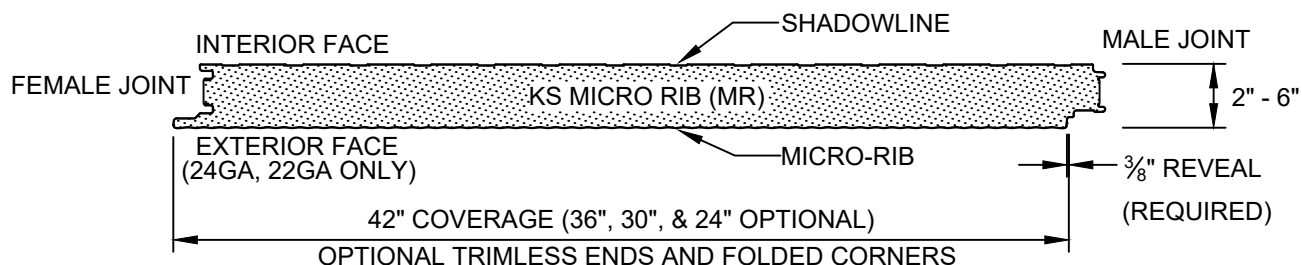
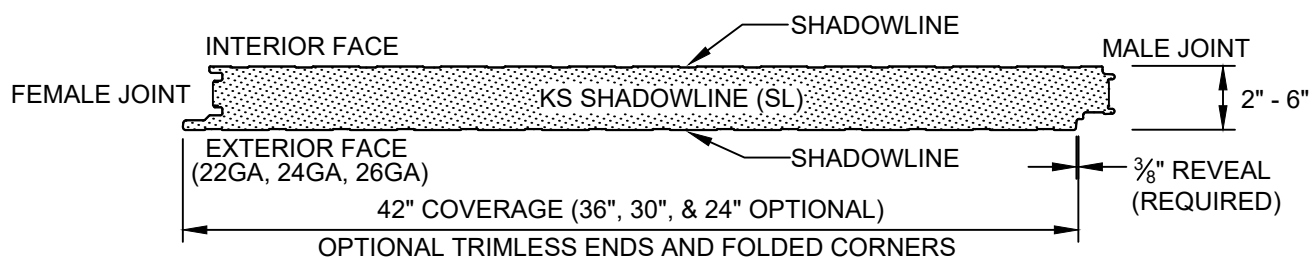
EXTERIOR: (REFER TO PROFILE)

INTERIOR: 26, 24, 22

REVEAL: $\frac{3}{8}$ "

KARRIER CONFIGURATION

REQUIRES $\frac{3}{8}$ " REVEAL



PANEL PROFILES

DETAIL #: KPV-PP-01-MTLH

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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

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

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

PANEL ORIENTATION: VERTICAL

EMBOSSING:

EXTERIOR: STUCCO / SMOOTH*

INTERIOR: STUCCO / SMOOTH

LENGTHS:

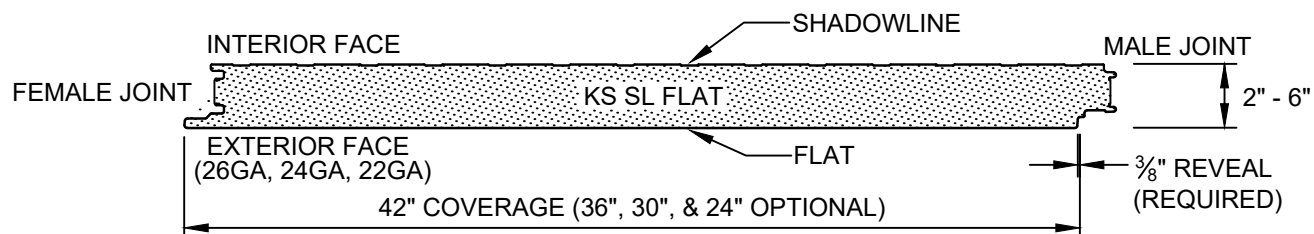
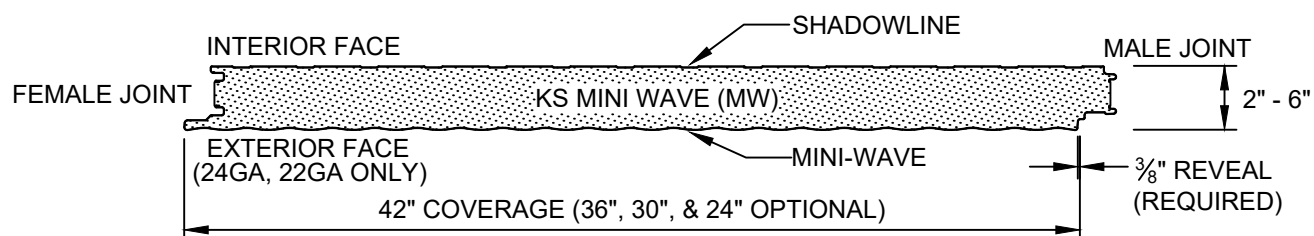
MINIMUM: 8'-0"

MAXIMUM: 53'-0"

STEEL GAUGES:

EXTERIOR: (REFER TO PROFILE)

INTERIOR: 26, 24, 22



PANEL PROFILES

DETAIL #: KPV-PP-02-MTLH

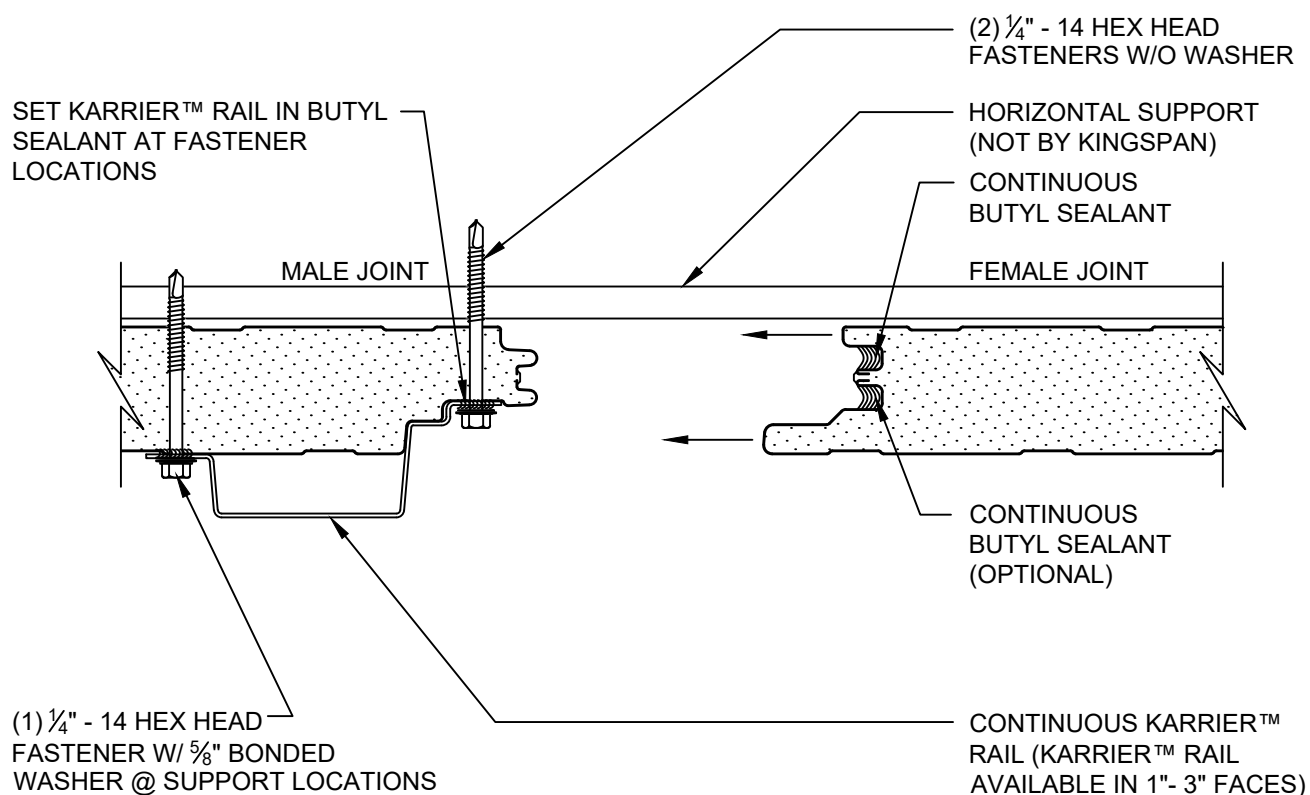
DATE: 2019 REV1



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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)



EXPANDED PANEL
JOINT

DETAIL #: KPV-PJ-01-MTLH

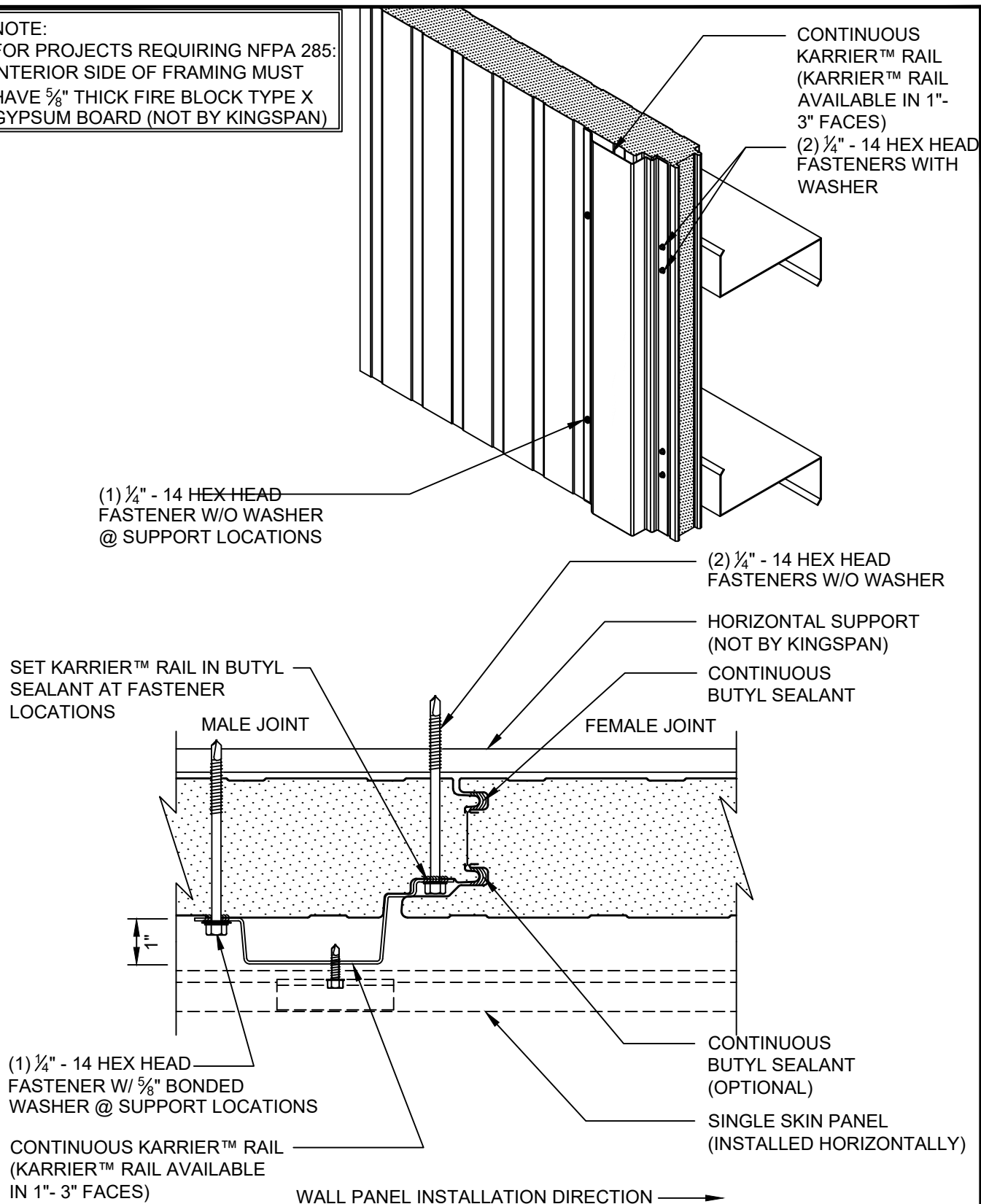
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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

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GYPSUM BOARD (NOT BY KINGSPAN)



ENGAGED PANEL
JOINT

DETAIL #: KPV-PJ-02-MTLH

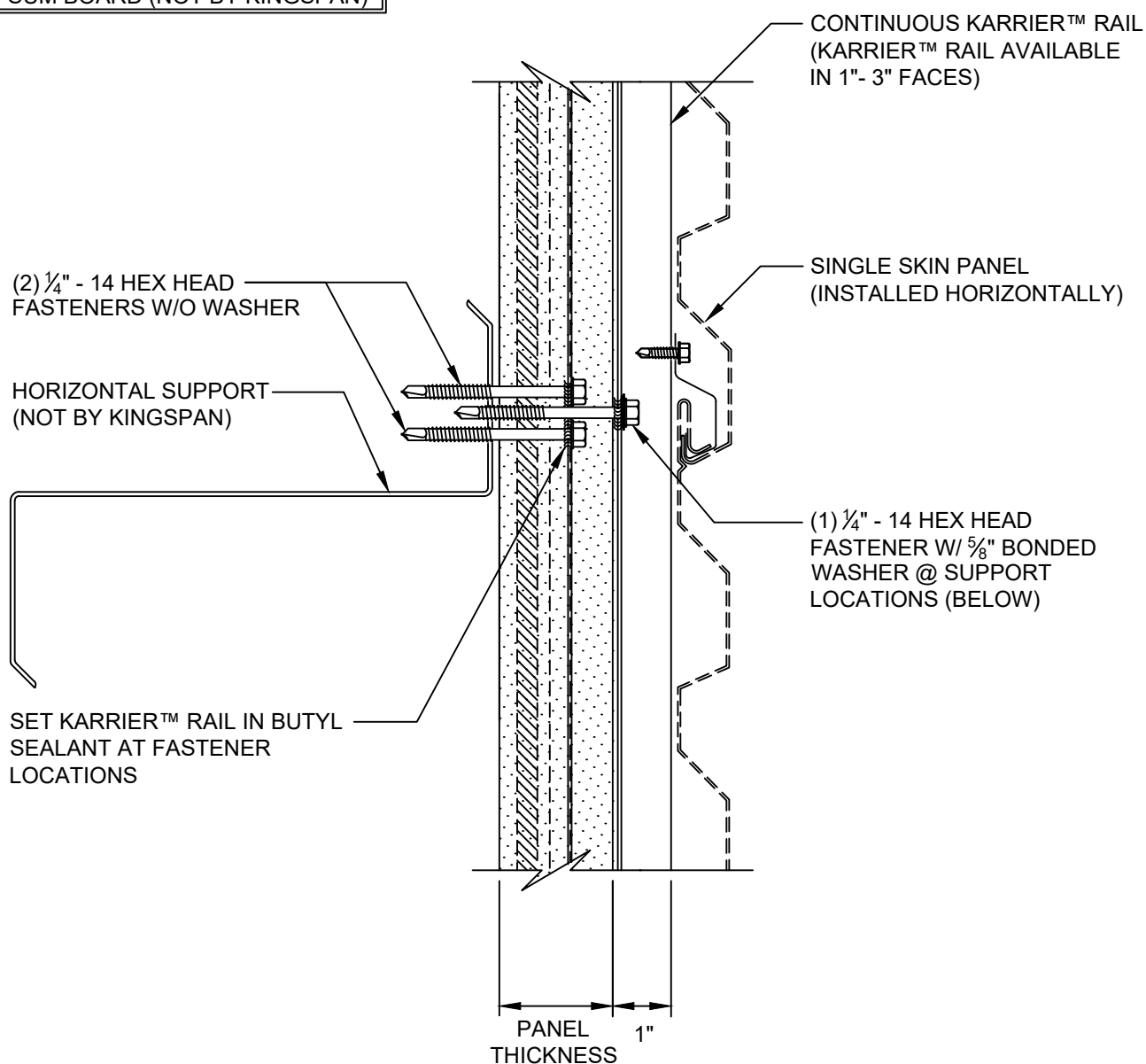
DATE: 2019 REV1



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VERTICAL KARRIER™ PANEL - HORIZONTAL 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:
CONTACT KINGSPAN TECHNICAL SERVICES FOR SPECIFIC PROJECT RECOMMENDATIONS

INTERMEDIATE
SUPPORT

DETAIL #: KPV-PJ-03-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)

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

MULTI-STORY FIRE STOPPING DETAIL

DETAIL #: KPV-FS-01-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)

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)

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)

BASE DETAIL
FLUSH

DETAIL #: KPH-BS-01-MTLV

DATE: 2019 REV1

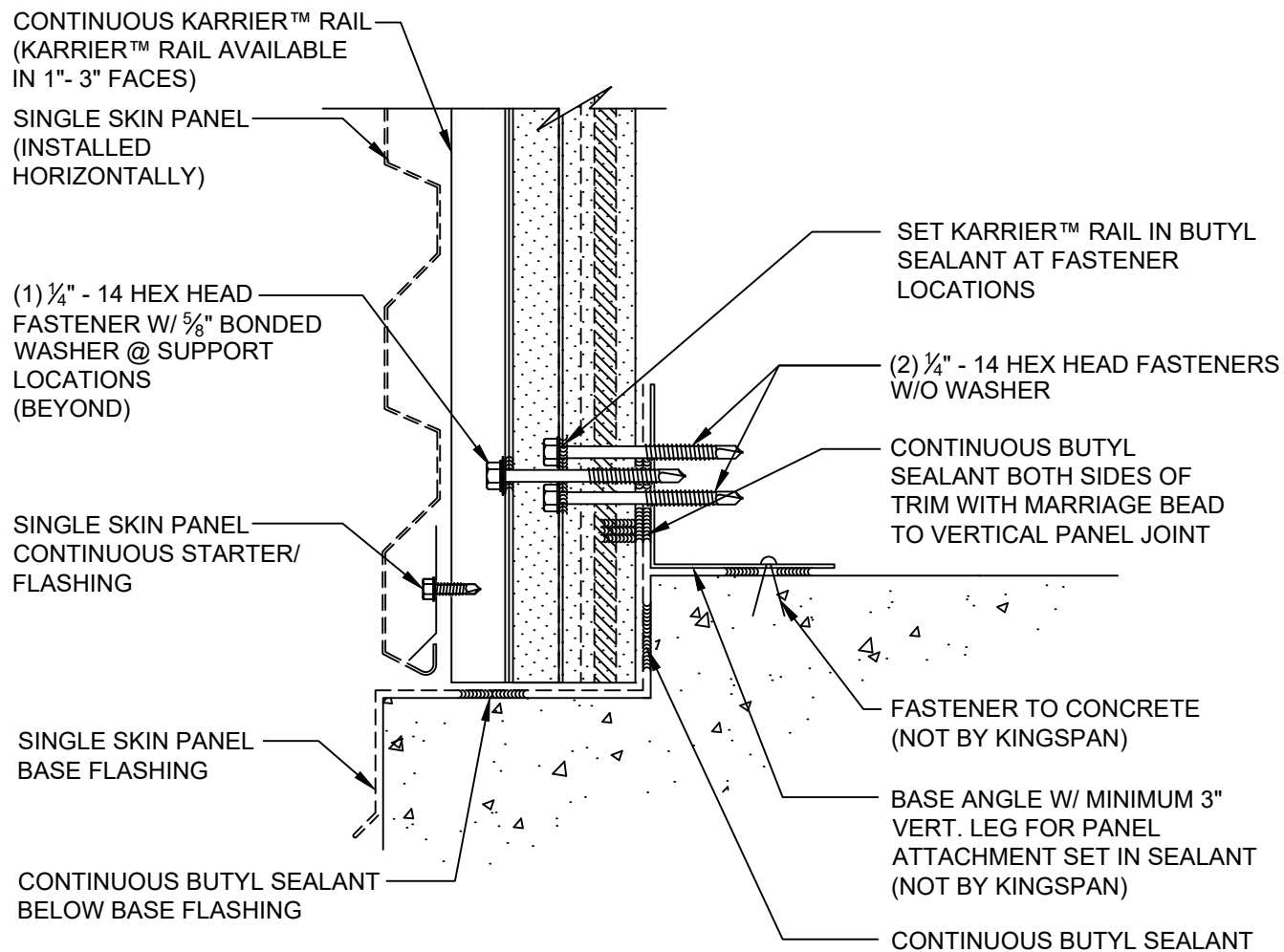


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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

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)



BASE AT NOTCHED
CONCRETE

DETAIL #: KPV-BS-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

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)

CONTINUOUS BUTYL SEALANT

BASE AT OVERHANG

DETAIL #: KPV-BS-03-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/O WASHER
@ SUPPORT LOCATIONS
(BEYOND)

SINGLE SKIN PANEL
CONTINUOUS STARTER/
FLASHING

SINGLE SKIN PANEL
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)

CONTINUOUS BUTYL SEALANT
BELOW BASE FLASHING

BASE AT OVERHANG

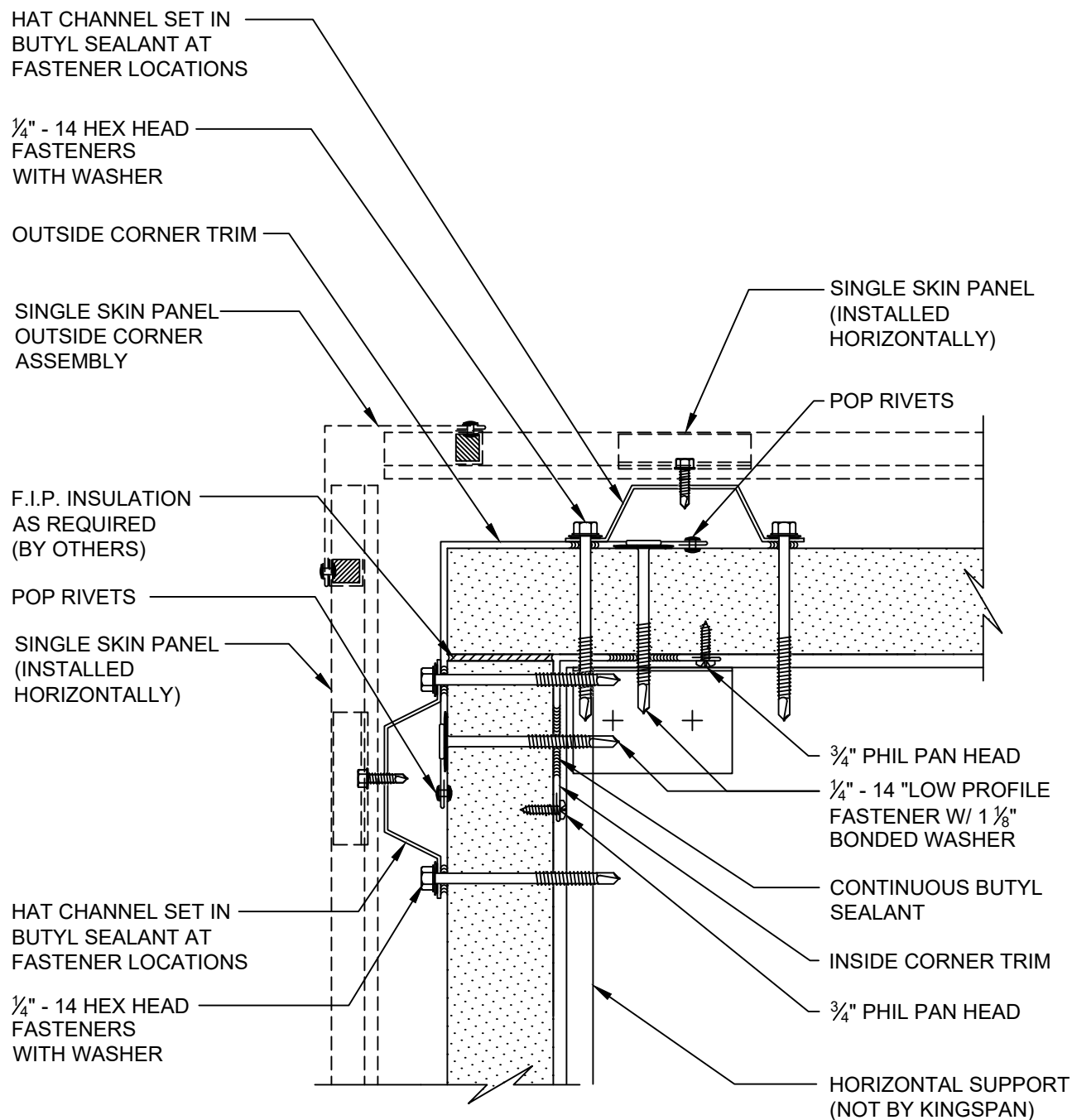
DETAIL #: KPV-BS-04-MTLH

DATE: 2019 REV1



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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)

OUTSIDE CORNER

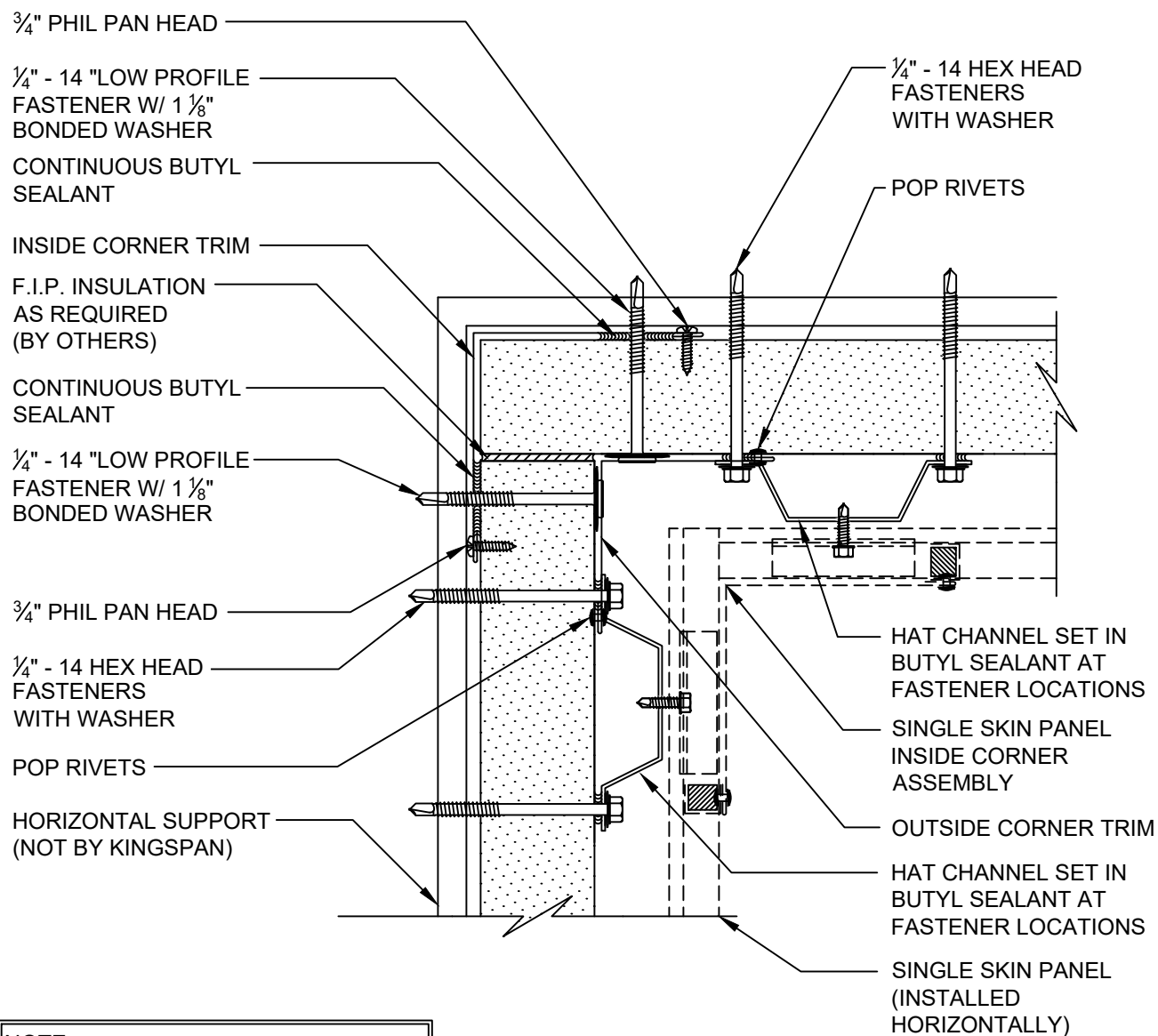
DETAIL #: KPV-OC-01-MTLH

DATE: 2019 REV1



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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)

INSIDE CORNER

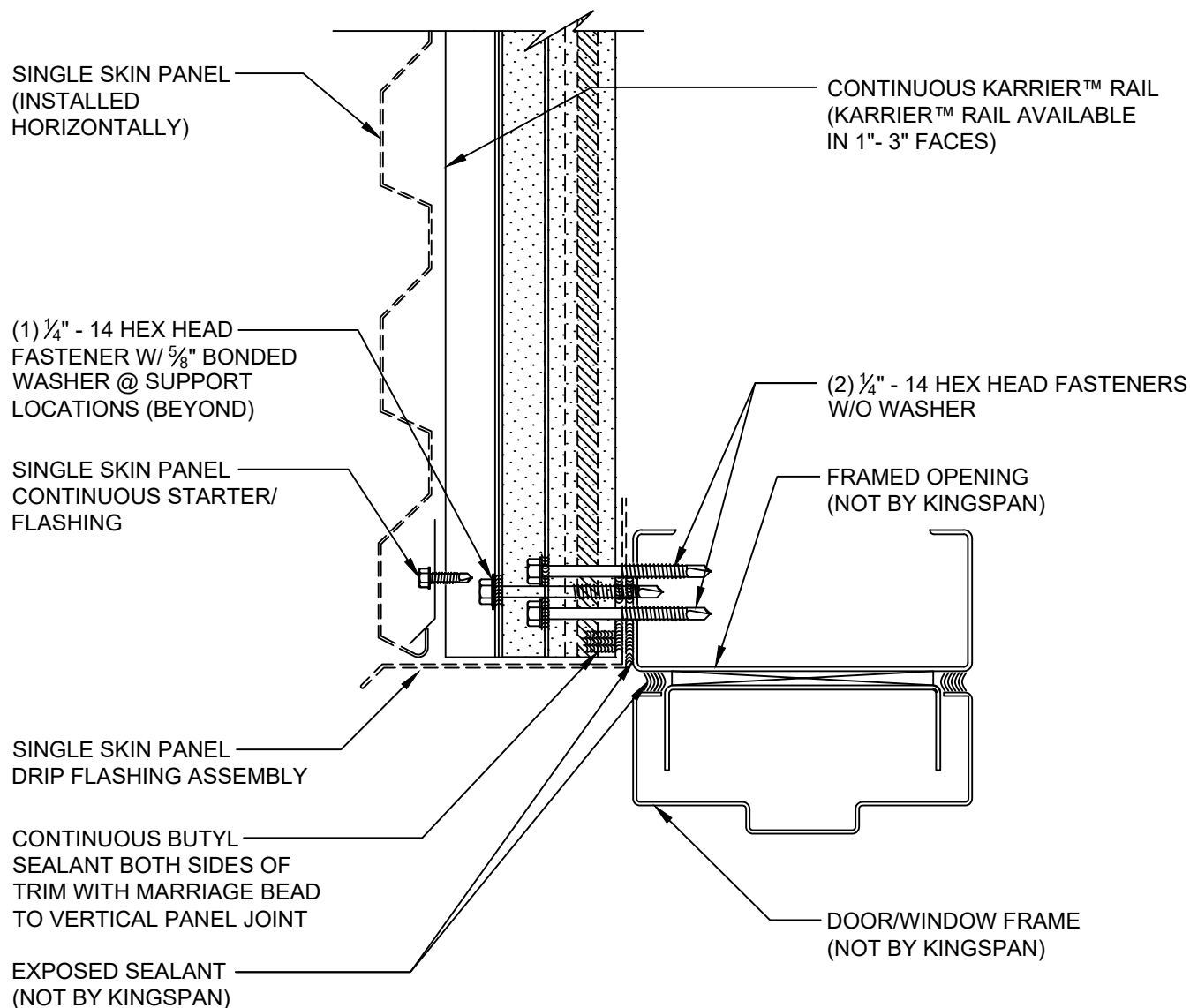
DETAIL #: KPV-IC-01-MTLH

DATE: 2019 REV1



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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)

FRAMED OPENING HEAD

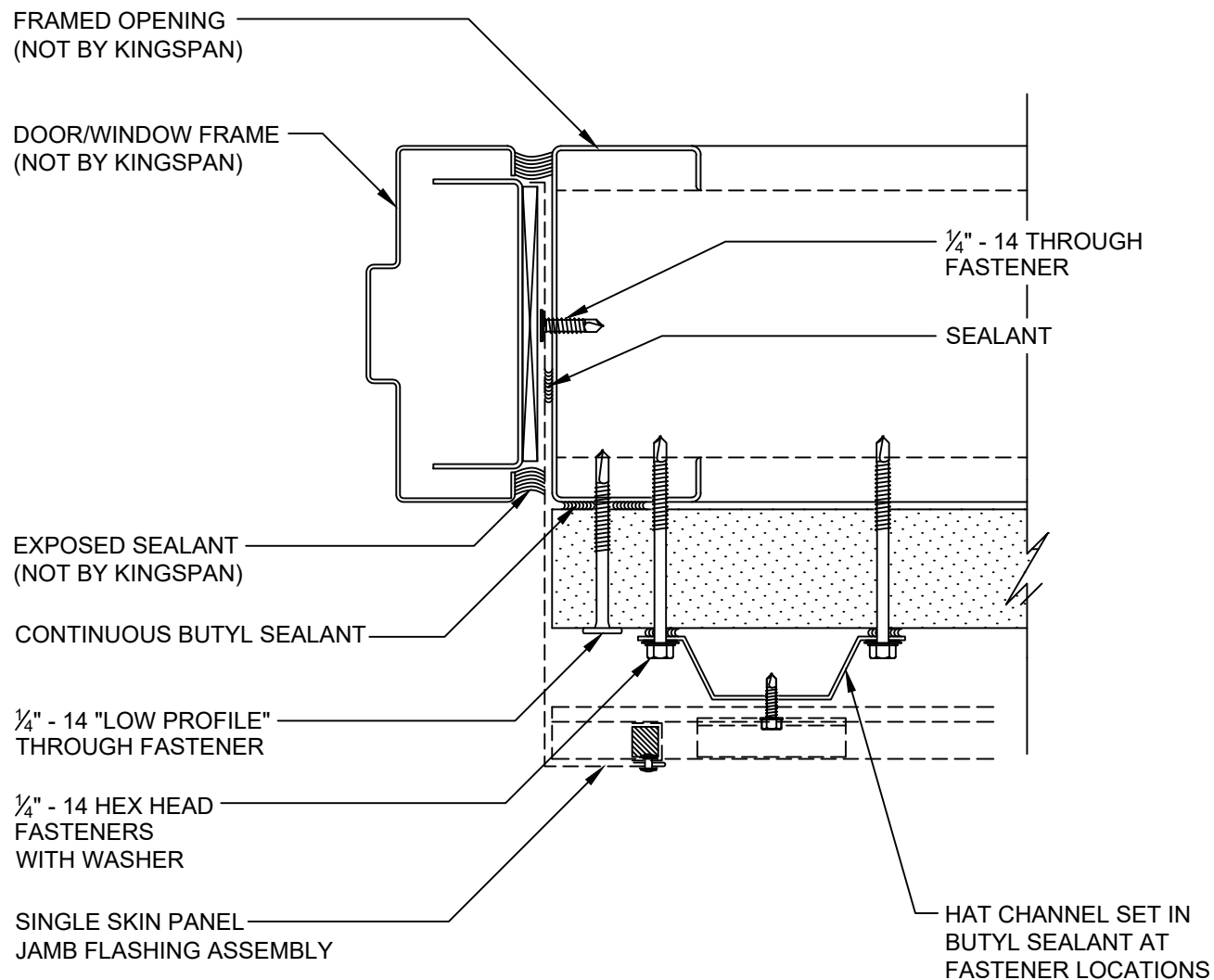
DETAIL #: KPV-FO-01-MTLH

DATE: 2019 REV1



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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)

FRAMED OPENING
JAMB

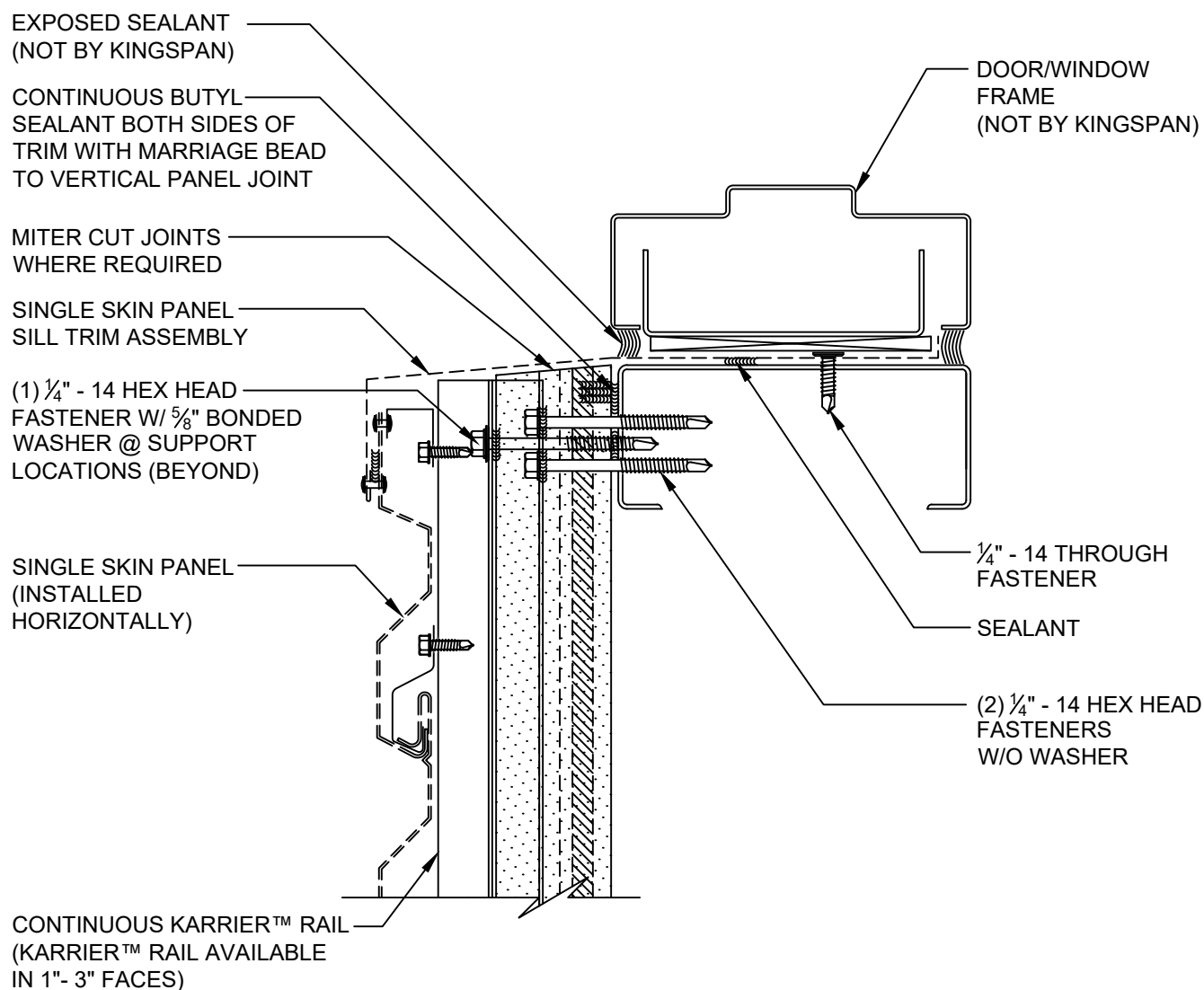
DETAIL #: KPV-FO-02-MTLH

DATE: 2019 REV1



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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)

FRAMED OPENING SILL

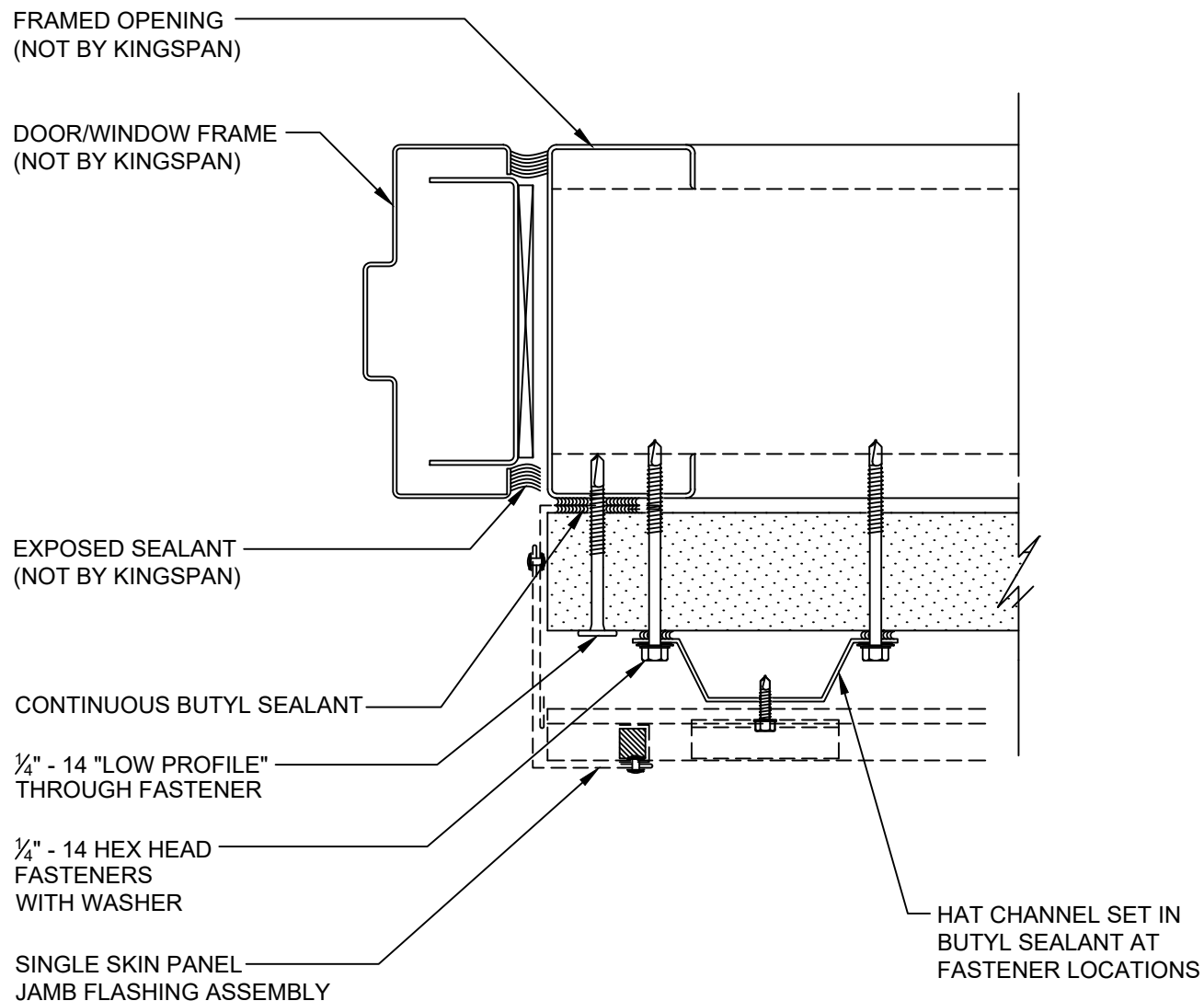
DETAIL #: KPV-FO-03-MTLH

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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)

FRAMED OPENING
JAMB

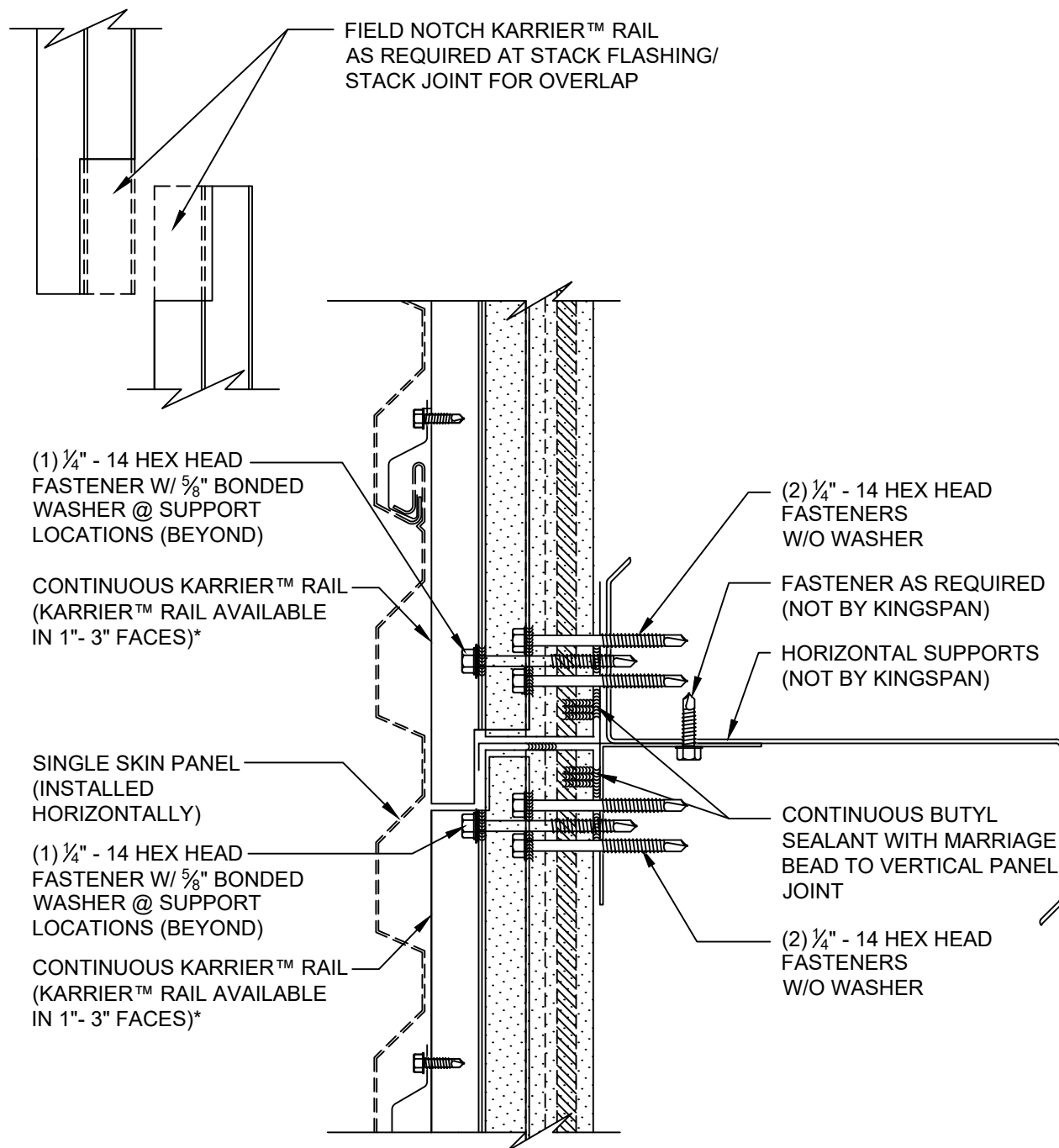
DETAIL #: KPV-FO-04-MTLH

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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)

STACK JOINT

DETAIL #: KPV-SJ-01-MTLH

DATE: 2019 REV1

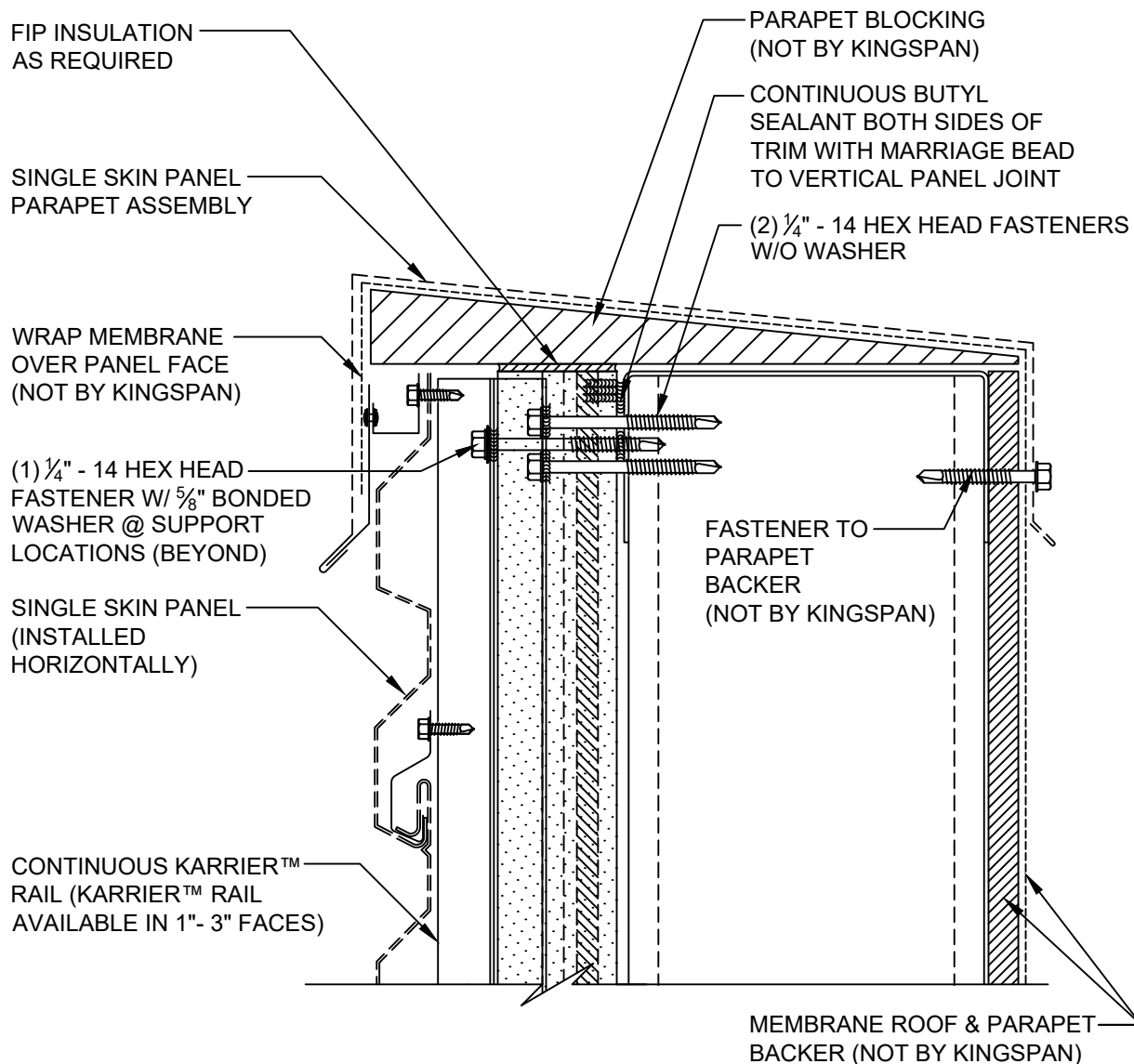


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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

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)



PARAPET DETAIL

DETAIL #: KPV-PR-01-MTLH

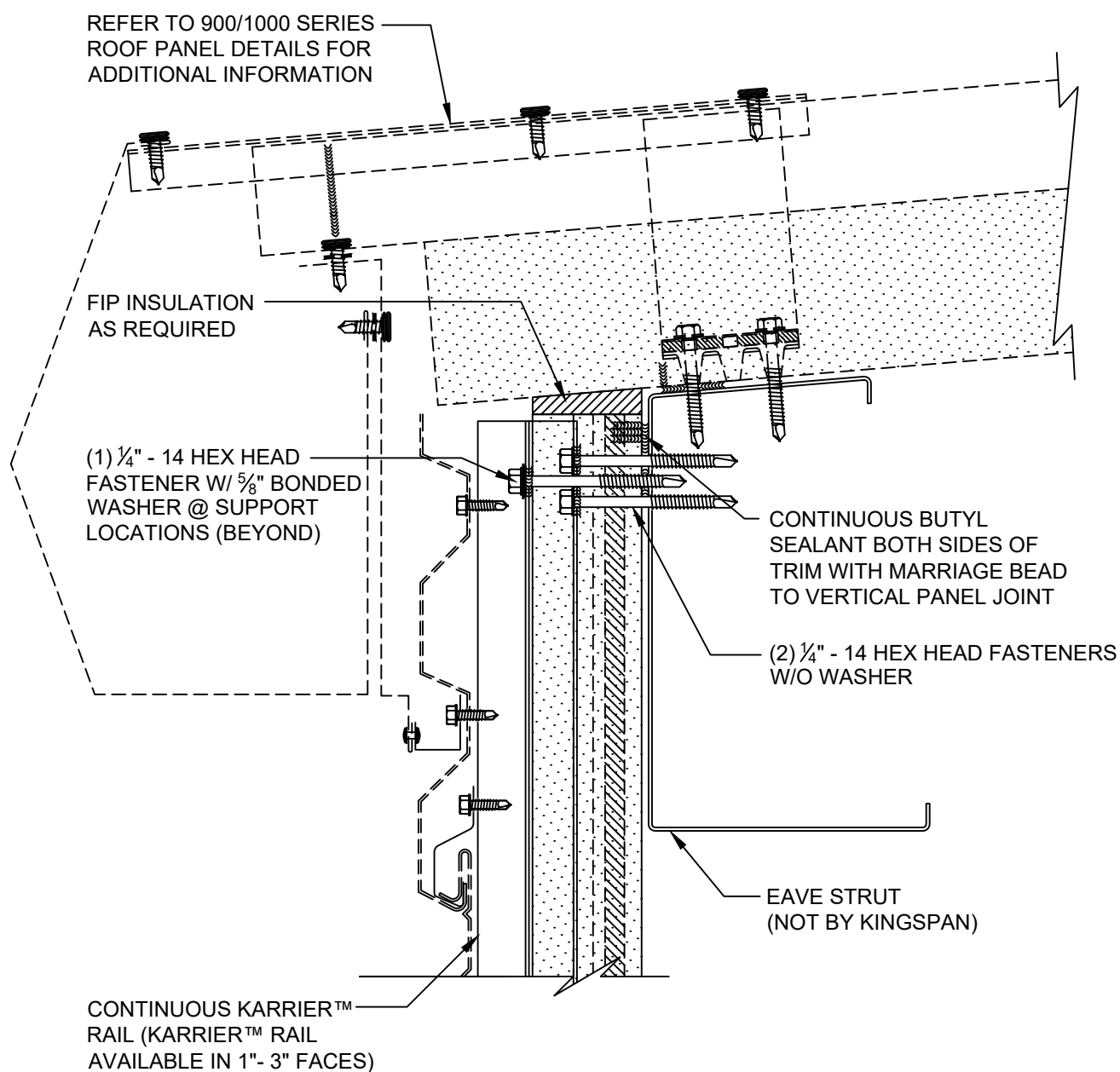
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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

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)



LOW EAVE DETAIL

DETAIL #: KPV-LE-01-MTLH

DATE: 2019 REV1



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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)

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 VERTICAL PANEL JOINT

(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)

RAKE DETAIL

DETAIL #: KPV-RD-01-MTLH

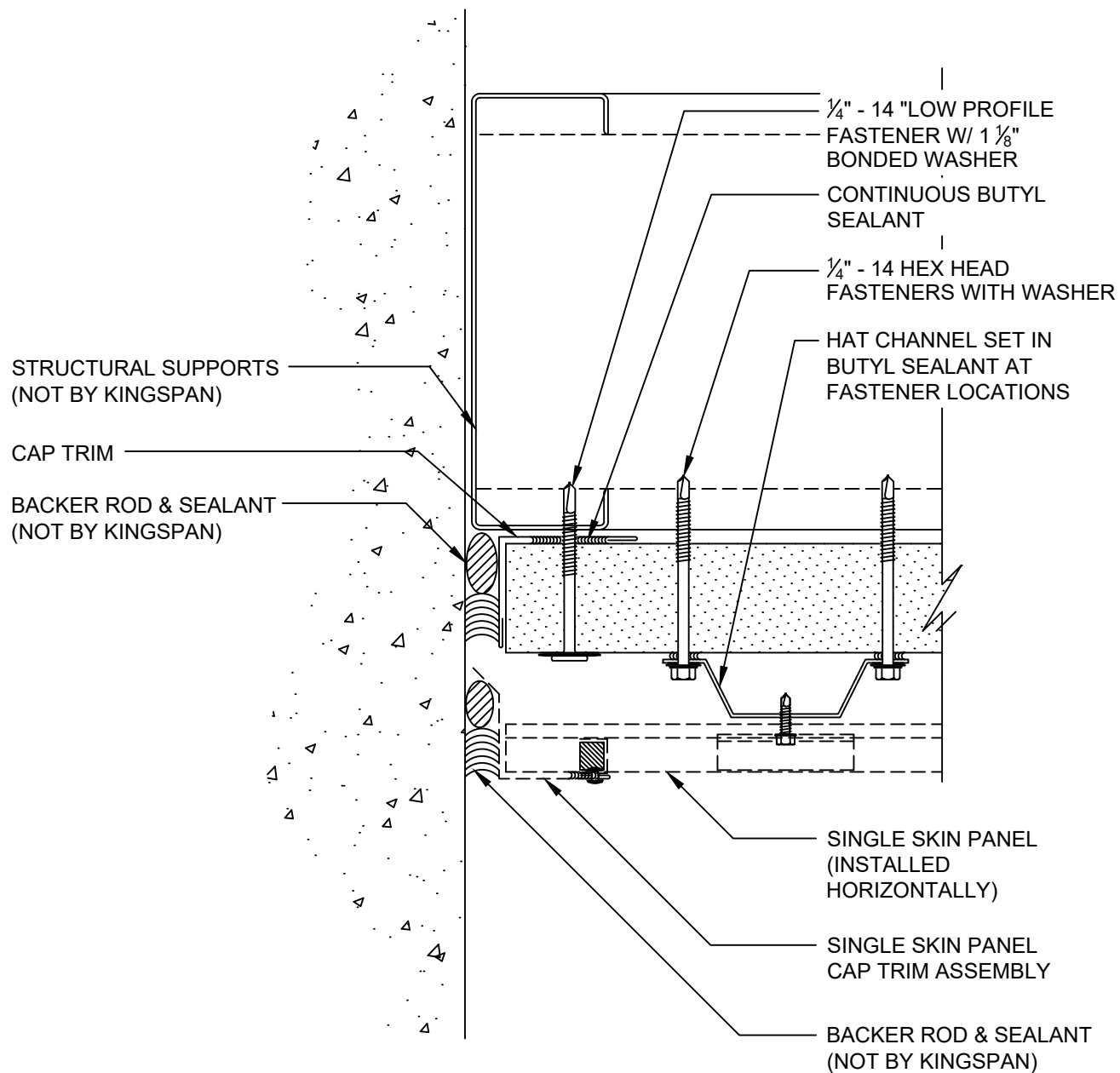
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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE

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)



PANEL TERMINATION

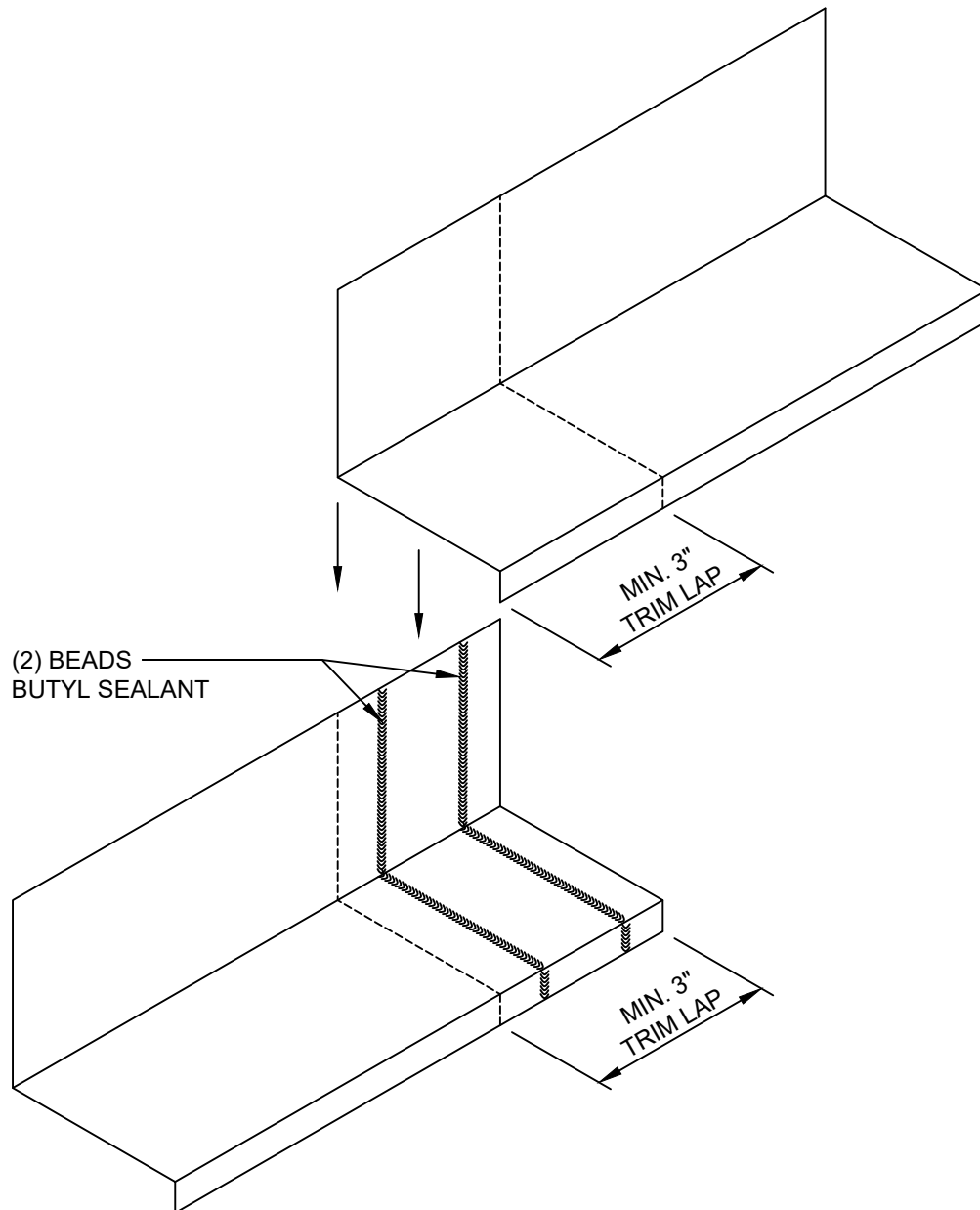
DETAIL #: KPV-TP-01-MTLH

DATE: 2019 REV1



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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE



TRIM END LAP

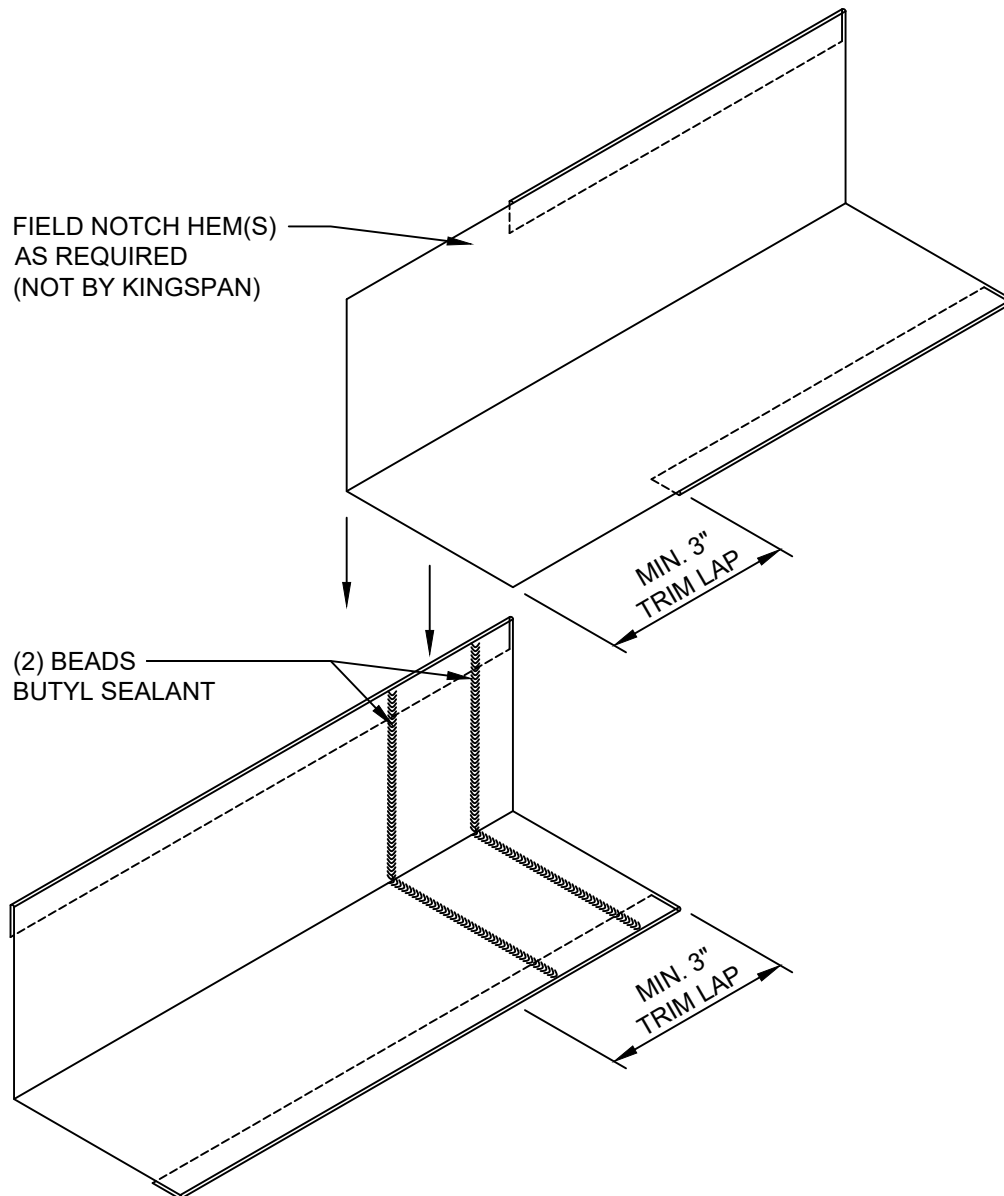
DETAIL #: KPV-TL-01-MTLH

DATE: 2019 REV1

Kingspan
Insulated Panels

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VERTICAL KARRIER™ PANEL - HORIZONTAL METAL FACADE



TRIM END LAP
WITH HEMS

DETAIL #: KPV-TL-02-MTLH

DATE: 2019 REV1



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