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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).

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EXTRUSION SHAPES / ENGAGEMENT MAY VARY FROM THOSE SHOWN.

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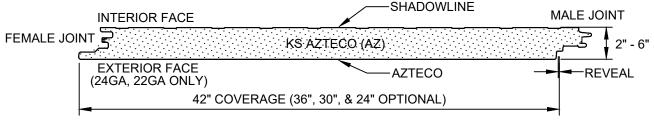
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COMMERCIAL/INDUSTRIAL DISCLAIMER

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KS SERIES - VERTICAL INSTALLATION MODULE WIDTH: 24", 30", 36", 42" **EMBOSSING: CORE DEPTHS:** (REFER TO PROFILE) EXTERIOR: STUCCO / NON-EMBOSSED* 2", 2.5", 3", 4", 5", 6" INTERIOR: STUCCO / NON-EMBOSSED LENGTHS: STEEL GAUGES: PANEL ORIENTATION: VERTICAL MINIMUM: 8'-0" EXTERIOR: (REFER TO PROFILE) MAXIMUM: 53'-0" INTERIOR: 26, 24, 22 SHADOWLINE INTERIOR FACE MALE JOINT FEMALE JOINT KS SHADOWLINE (SL) 2" - 6" **EXTERIOR FACE** SHADOWLINE (22GA, 24GA, 26GA) REVEAL 42" COVERAGE (36", 30", & 24" OPTIONAL) SHADOWLINE MALE JOINT INTERIOR FACE FEMALE JOINT KS MICRO RIB (MR) **EXTERIOR FACE** MICRO-RIB REVEAL (24GA, 22GA ONLY) 42" COVERAGE (36", 30", & 24" OPTIONAL) SHADOWLINE MALE JOINT INTERIOR FACE FEMALE JOINT KS MINI-MICRO RIB (MMR) **EXTERIOR FACE** MINI MICRO-RIB REVEAL (24GA ONLY) (*SMOOTH ONLY) 42" COVERAGE (36", 30", & 24" OPTIONAL) SHADOWLINE MALE JOINT INTERIOR FACE

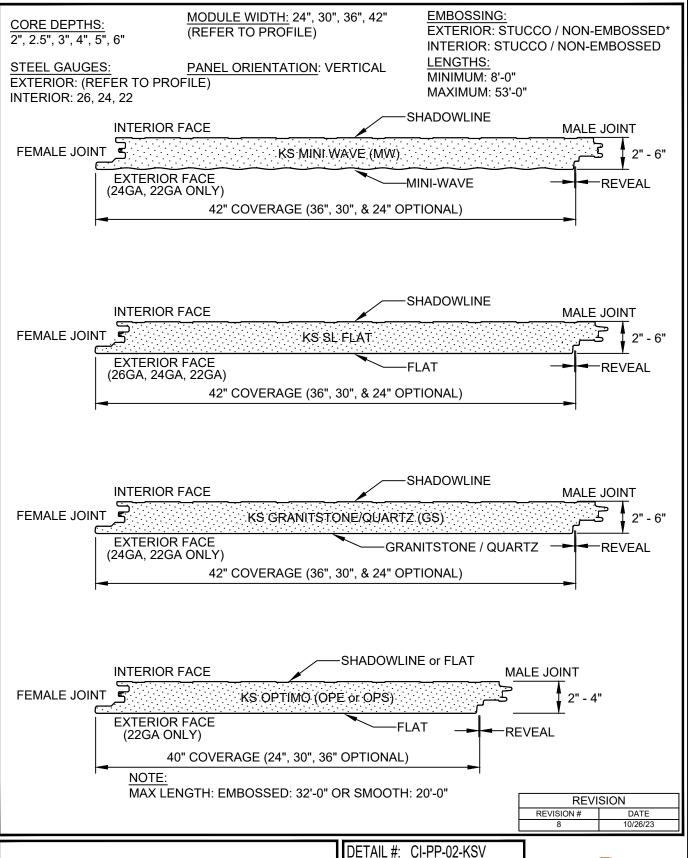


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PANEL PROFILES

DETAIL #: CI-PP-02-KSV

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<u>CORE DEPTHS:</u> 2", 2.5", 3", 4", 5", 6"

STEEL GAUGES:

EXTERIOR: 24, 22

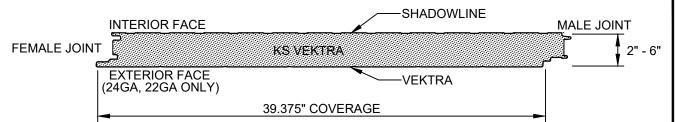
INTERIOR: 26, 24, 22

MODULE WIDTH: 39.375" (39 %")
PANEL ORIENTATION: VERTICAL

EMBOSSING:

EXTERIOR: STUCCO / NON-EMBOSSED INTERIOR: STUCCO / NON-EMBOSSED

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



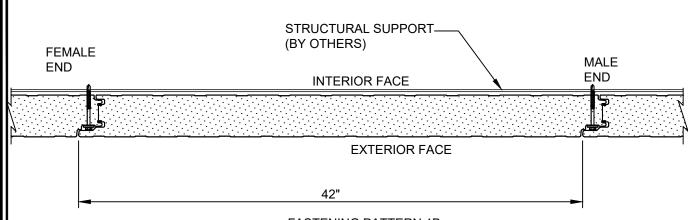
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PANEL PROFILES

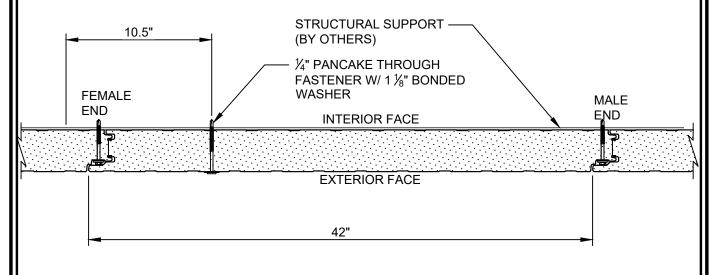
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FASTENING PATTERN 1B STANDARD SIDE JOINT FASTENING WITH 12GA 2-HOLE CLIP AND $\frac{1}{4}$ "-14 HEX HEAD FASTENER WITHOUT WASHER



FASTENING PATTERN 2B

STANDARD SIDE JOINT FASTENING WITH 12GA 2-HOLE CLIP AND $\frac{1}{4}$ "-14 HEX HEAD FASTENER WITHOUT WASHER / ADDITIONAL $\frac{1}{4}$ "-14 "LOW PROFILE" THROUGH FASTENER W/ 1 $\frac{1}{8}$ " BONDED WASHER 10.5" FROM FEMALE JOINT

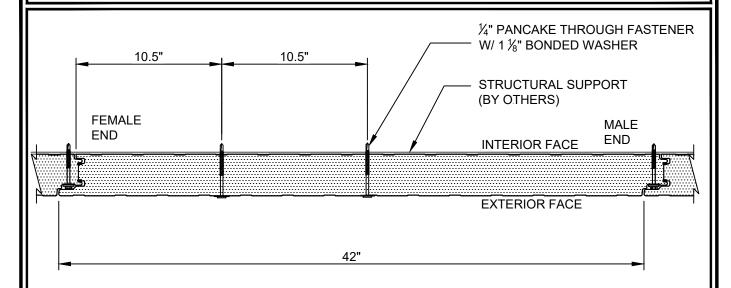
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FASTENING PATTERNS

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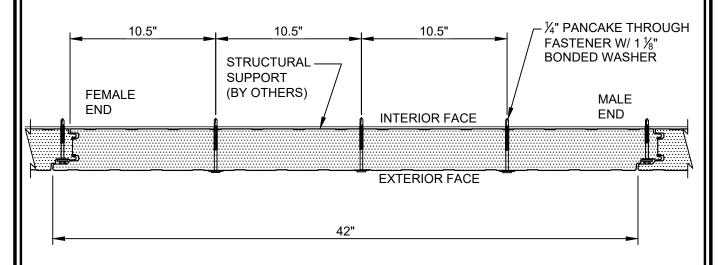
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FASTENING PATTERN 3B

STANDARD SIDE JOINT FASTENING WITH 12GA 2-HOLE CLIP AND $\frac{1}{4}$ "-14 HEX HEAD FASTENER WITHOUT WASHER / 2 ADDITIONAL $\frac{1}{4}$ "-14 "LOW PROFILE" THROUGH FASTENER W/ 1 $\frac{1}{8}$ " BONDED WASHER SPACED @ 10.5" FROM FEMALE JOINT



FASTENING PATTERN 4B

STANDARD SIDE JOINT FASTENING WITH 12GA 2-HOLE CLIP AND $\frac{1}{4}$ "-14 HEX HEAD FASTENER WITHOUT WASHER / 3 ADDITIONAL $\frac{1}{4}$ "-14 "LOW PROFILE" THROUGH FASTENER W/ 1 $\frac{1}{8}$ " BONDED WASHER SPACED @ 10.5" FROM FEMALE JOINT

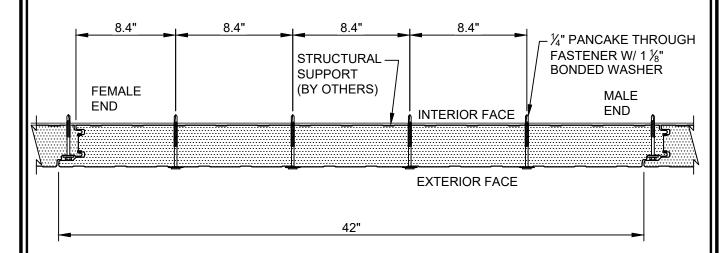
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FASTENING PATTERNS

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FASTENING PATTERN 5B

STANDARD SIDE JOINT FASTENING WITH 12GA 2-HOLE CLIP AND $\frac{1}{4}$ "-14 HEX HEAD FASTENER WITHOUT WASHER / 4 ADDITIONAL $\frac{1}{4}$ "-14 "LOW PROFILE" THROUGH FASTENER W/ 1 $\frac{1}{8}$ " BONDED WASHER SPACED @ 8.4" FROM FEMALE JOINT

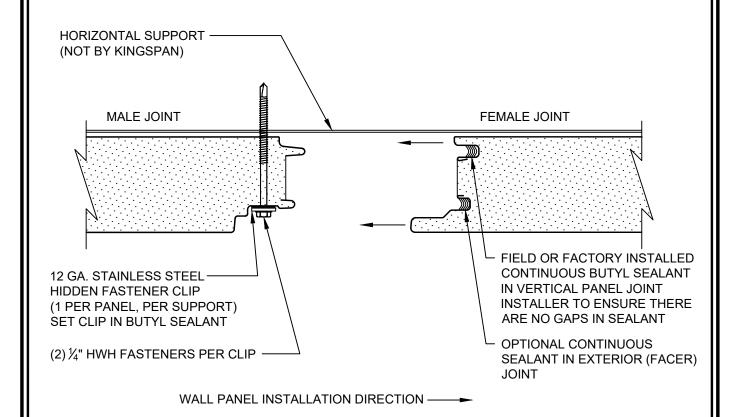
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FASTENING PATTERNS

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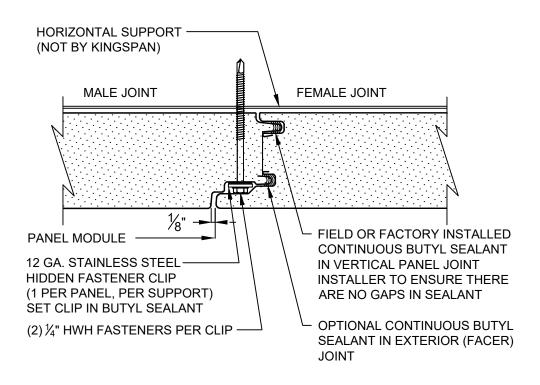
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EXPANDED PANEL JOINT

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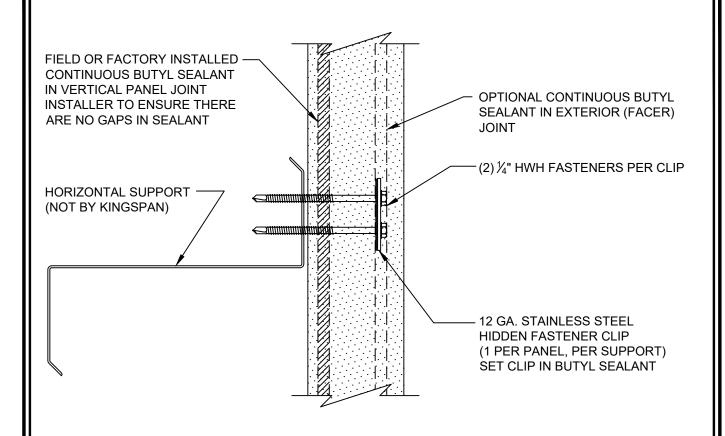
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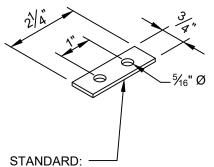
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ENGAGED PANEL JOINT DETAIL #: CI-PJ-02-KSV RELEASE: 2024

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12 GA. STAINLESS STEEL TWO-HOLE HIDDEN FASTENER CLIP

NOTE:

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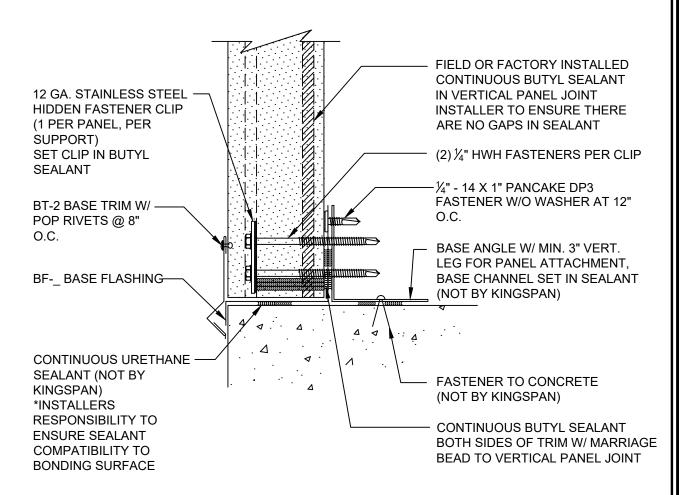
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INTERMEDIATE SUPPORT DETAIL #: CI-PJ-03-KSV

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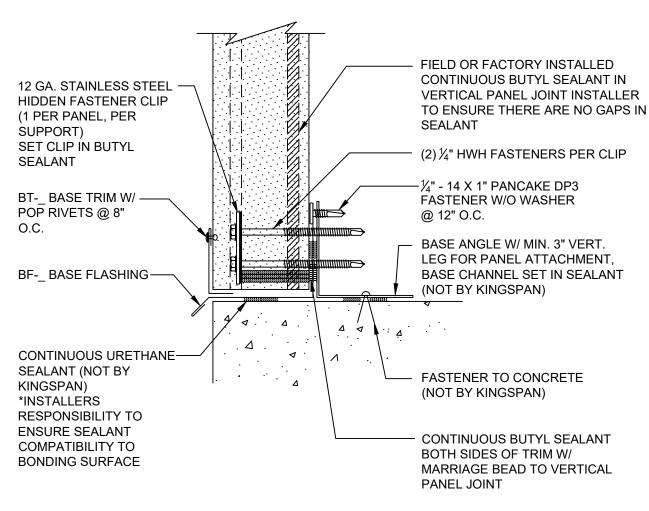
NOTE: SEE DETAIL CI-TL-01-KSV AND CI-TL-02-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

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FLUSH BASE

DETAIL #: CI-BS-01-KSV RELEASE: 2024





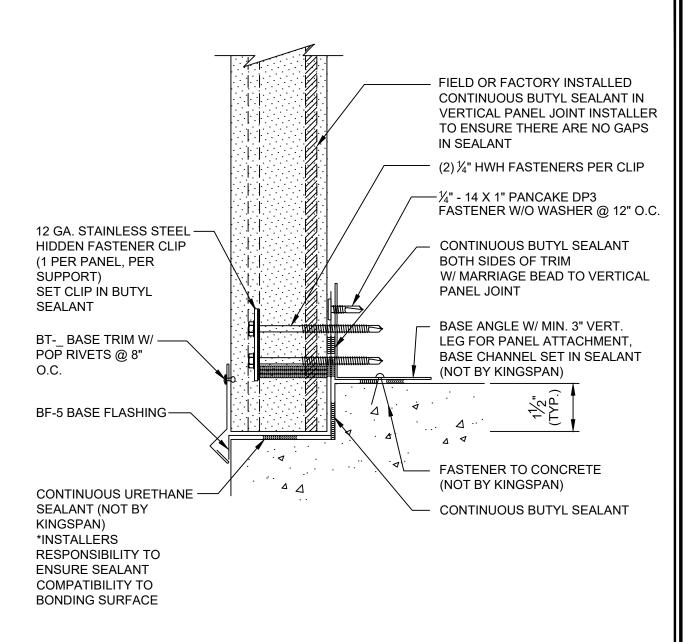
NOTE: SEE DETAIL CI-TL-01-KSV AND CI-TL-02-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

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FLUSH BASE 2

DETAIL #: CI-BS-02-KSV RELEASE: 2024





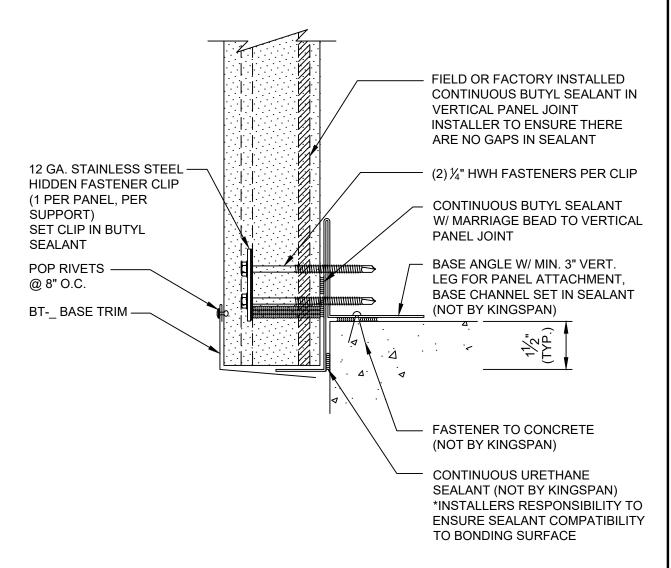
NOTE: SEE DETAIL CI-TL-01-KSV AND CI-TL-02-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

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BASE AT NOTCHED CONCRETE

DETAIL#: CI-BS-03-KSV RELEASE: 2024





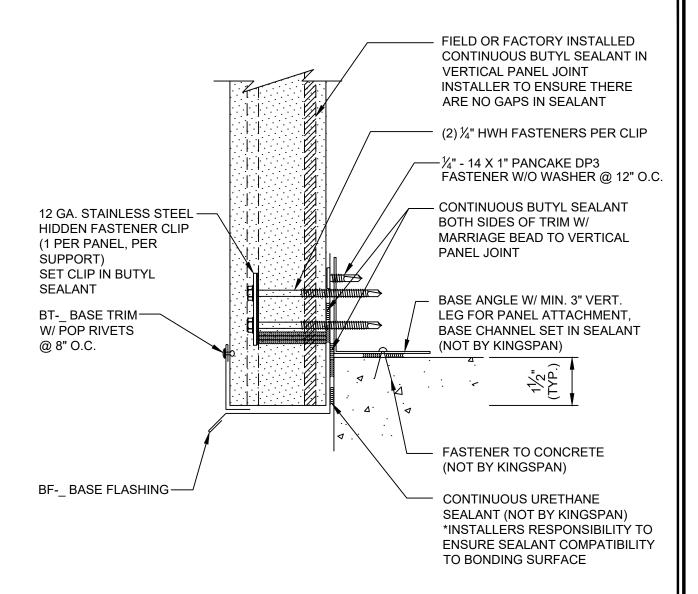
NOTE: SEE DETAIL CI-TL-01-KSV AND CI-TL-02-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

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OVERHANG WITH BASE SUPPORT

DETAIL #: CI-BS-04-KSV RELEASE: 2024





NOTE: SEE DETAIL CI-TL-01-KSV AND CI-TL-02-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

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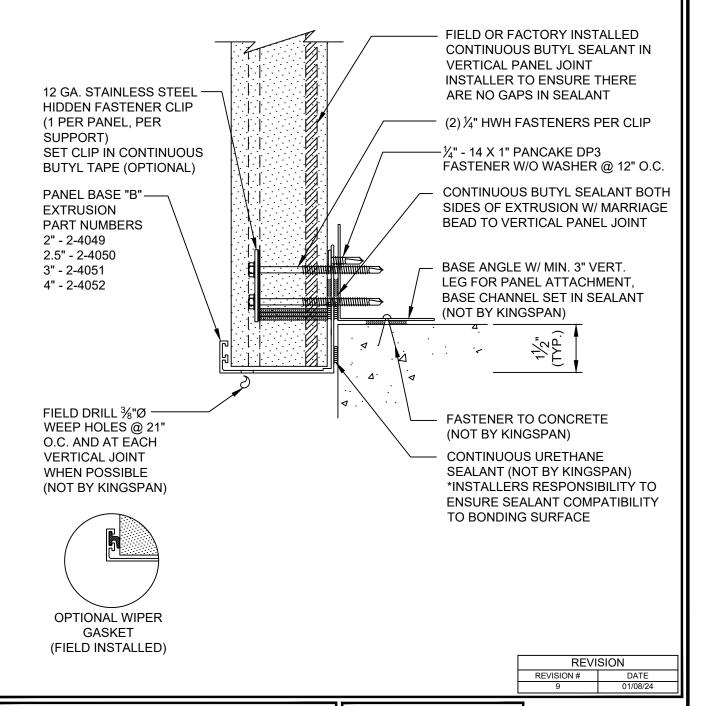
OVERHANG WITH BASE ANGLE

DETAIL #: CI-BS-05-KSV

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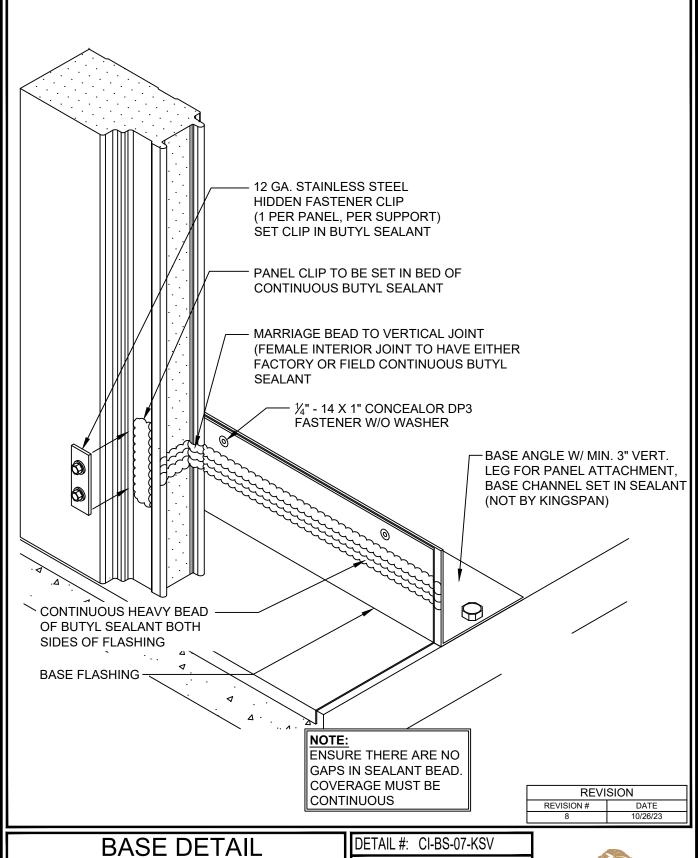


OVERHANG WITH BASE "J" EXTRUSION

DETAIL #: CI-BS-06-KSV RELEASE: 2024

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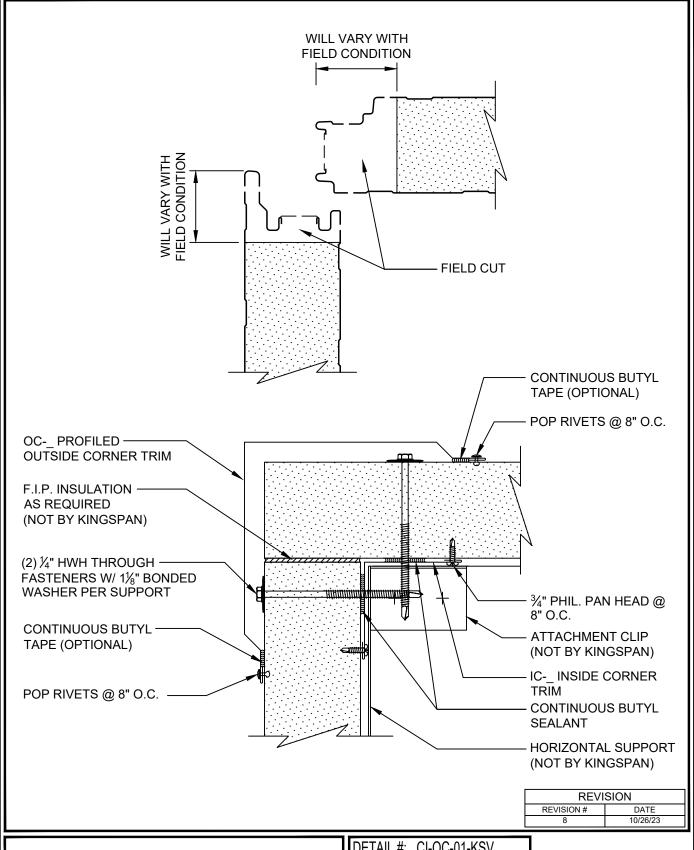


BASE DETAIL
MARRIAGE BEAD
ISOMETRIC

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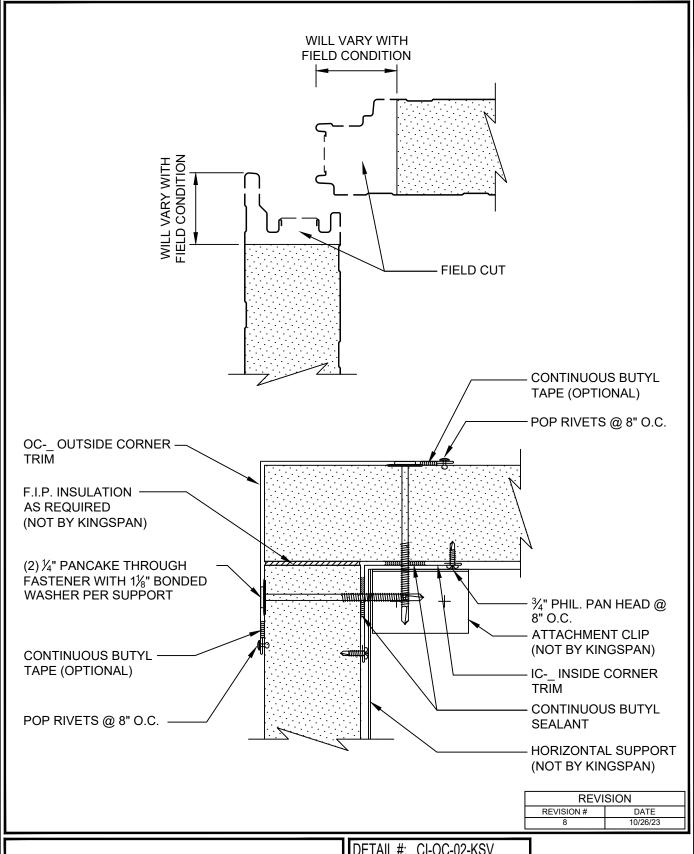


OUTSIDE CORNER WITH PROFILED TRIM

DETAIL #: CI-OC-01-KSV

RELEASE: 2024



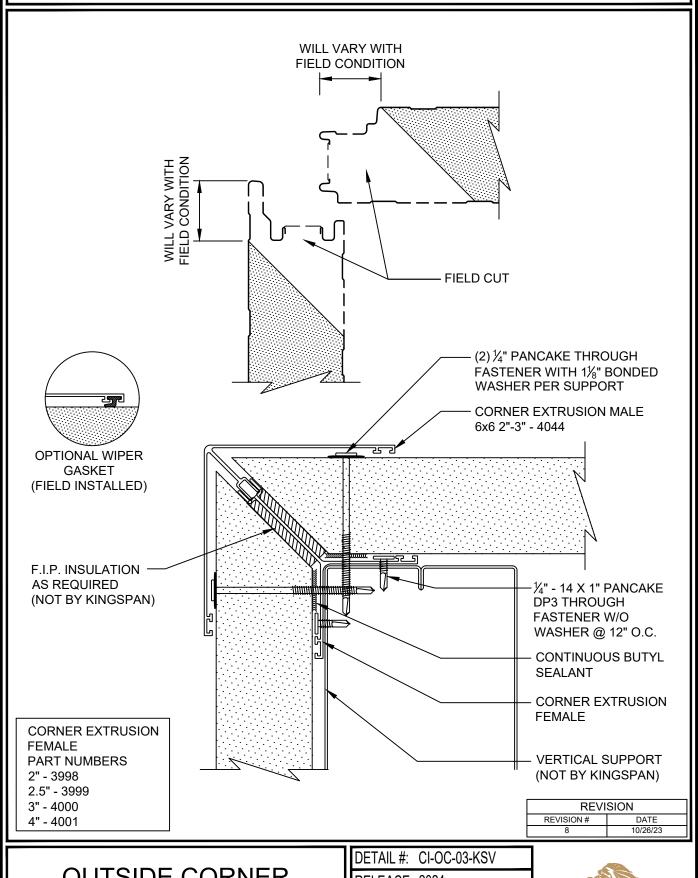


OUTSIDE CORNER WITH FLAT TRIM

DETAIL #: CI-OC-02-KSV

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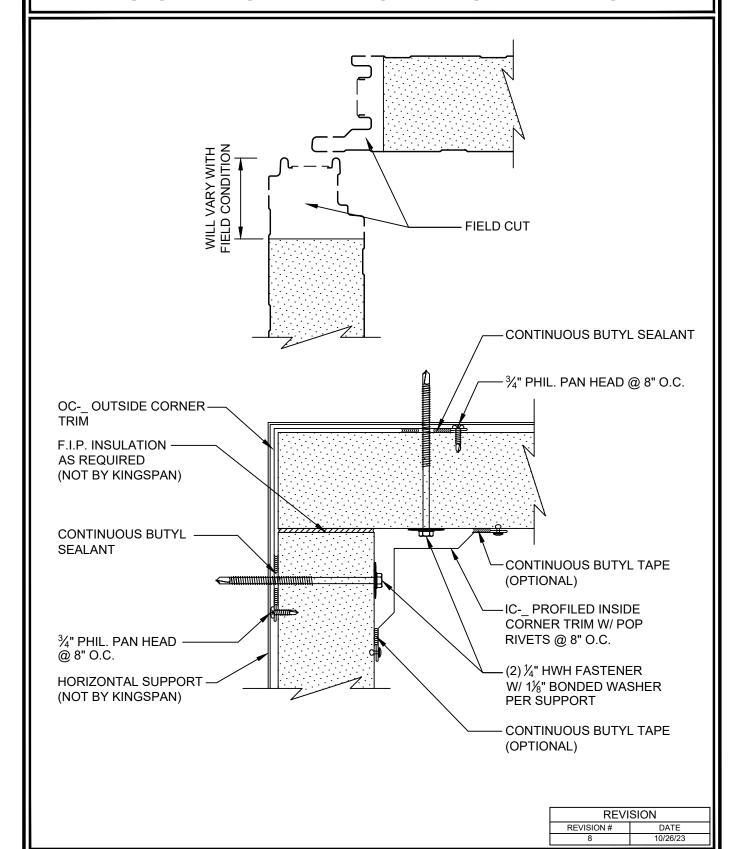


OUTSIDE CORNER W/ EXTRUSION

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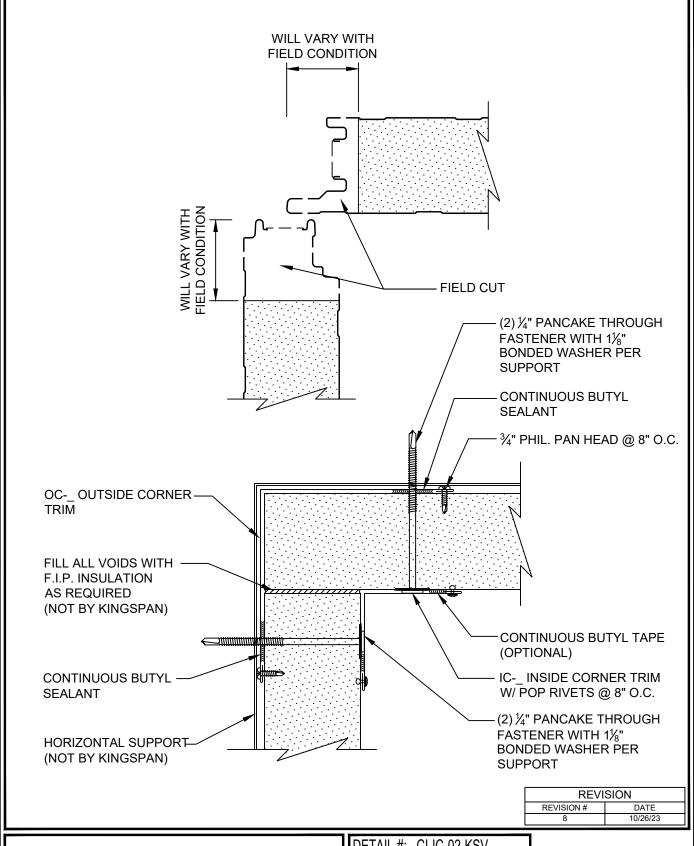




INSIDE CORNER
WITH PROFILED TRIM

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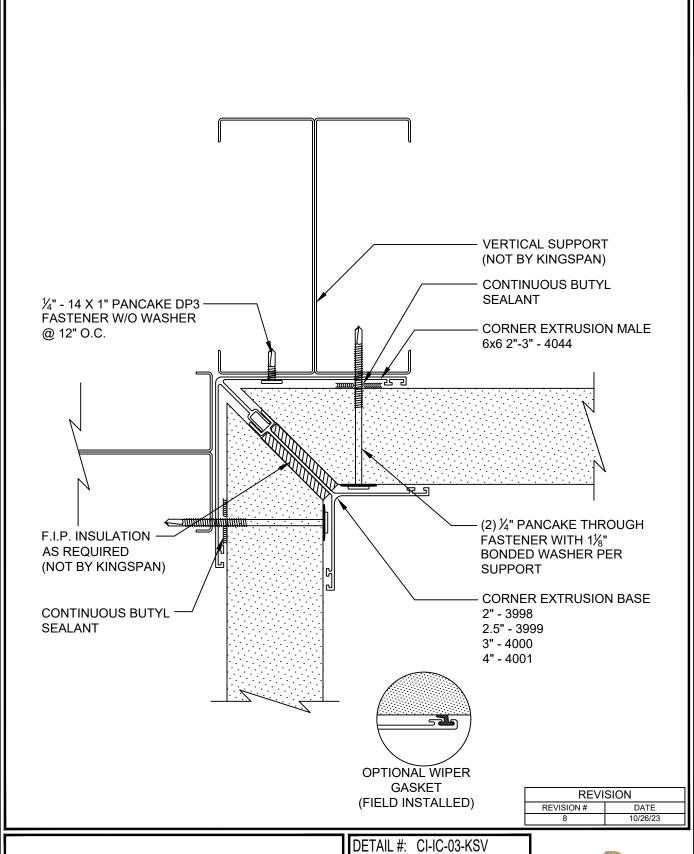




INSIDE CORNER WITH FLAT TRIM

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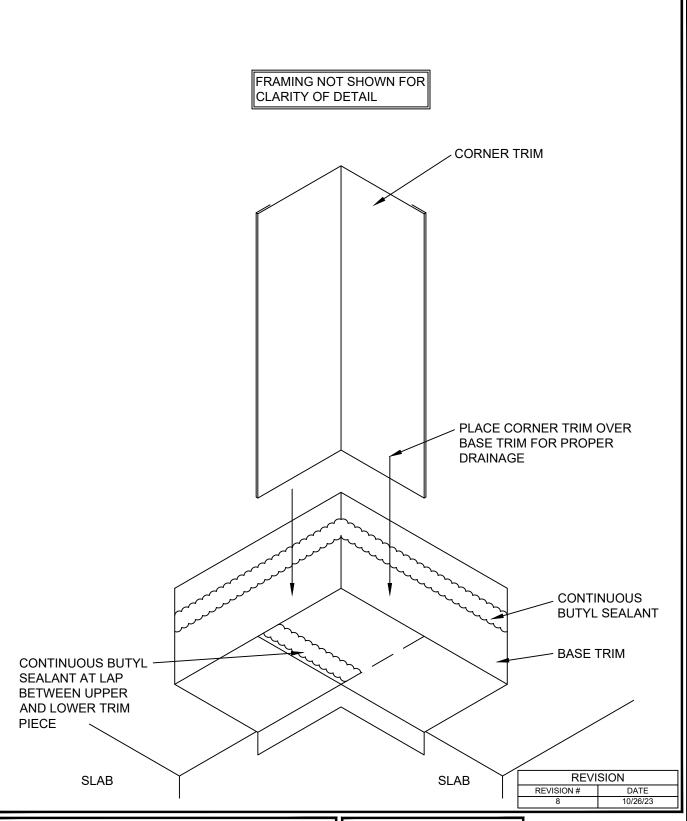




INSIDE CORNER WITH EXTRUSION

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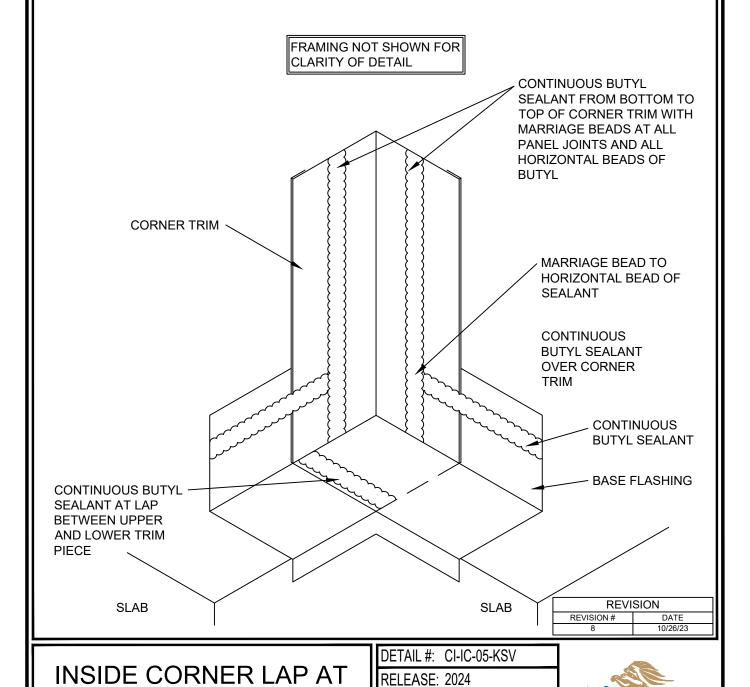


INSIDE CORNER LAP AT BASE TRIM EXPANDED

DETAIL #: CI-IC-04-KSV

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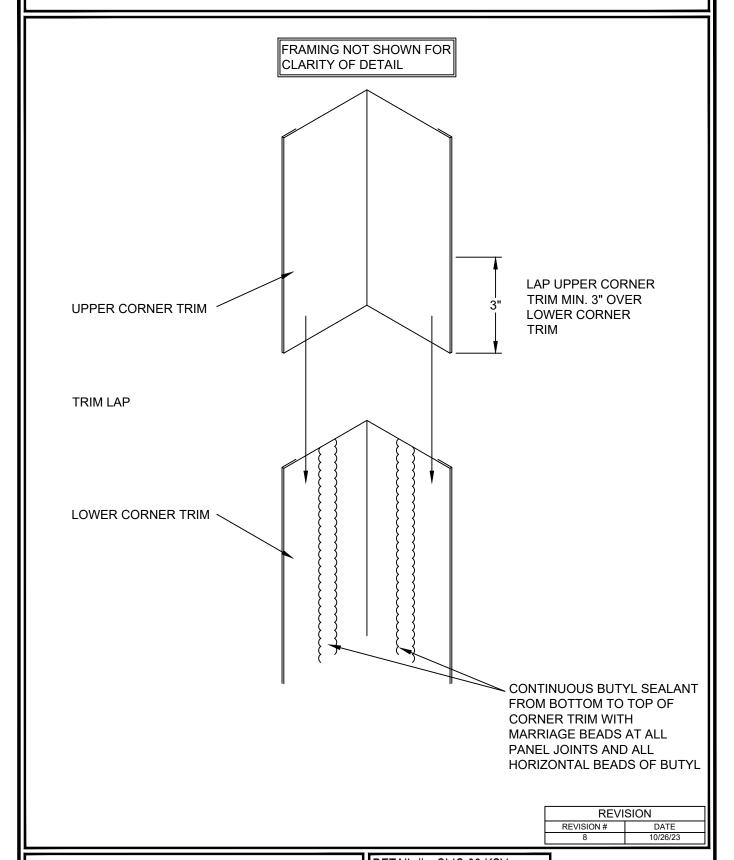




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BASE TRIM ENGAGED

Kingspan.



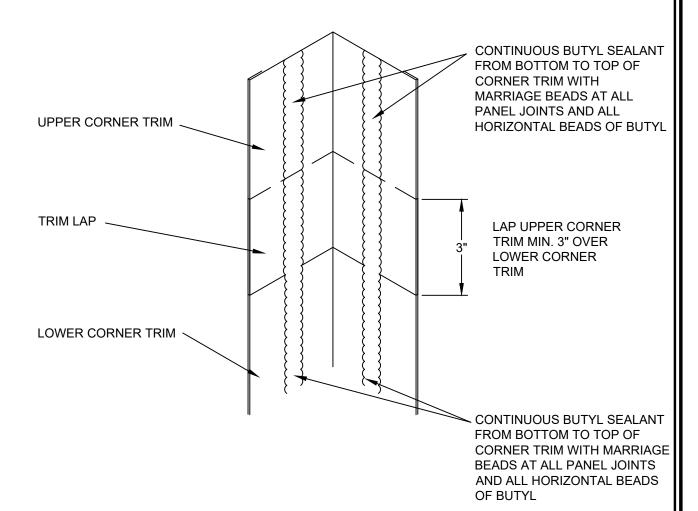
INSIDE CORNER TRIM LAP EXPANDED

DETAIL #: CI-IC-06-KSV

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FRAMING NOT SHOWN FOR CLARITY OF DETAIL



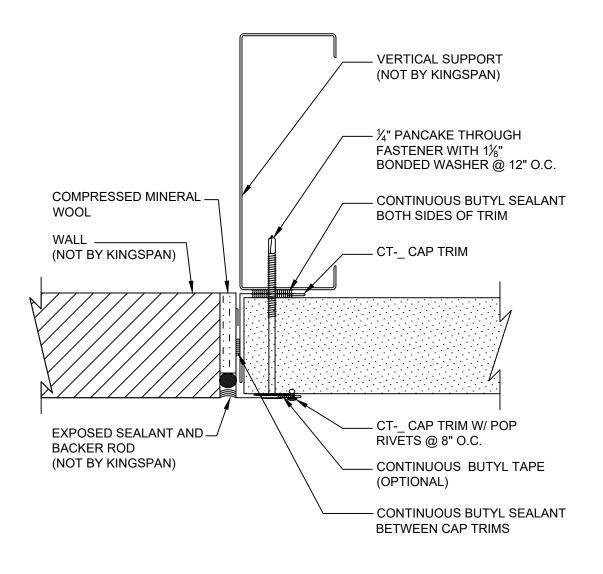
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INSIDE CORNER TRIM LAP ENGAGED

DETAIL #: CI-IC-07-KSV

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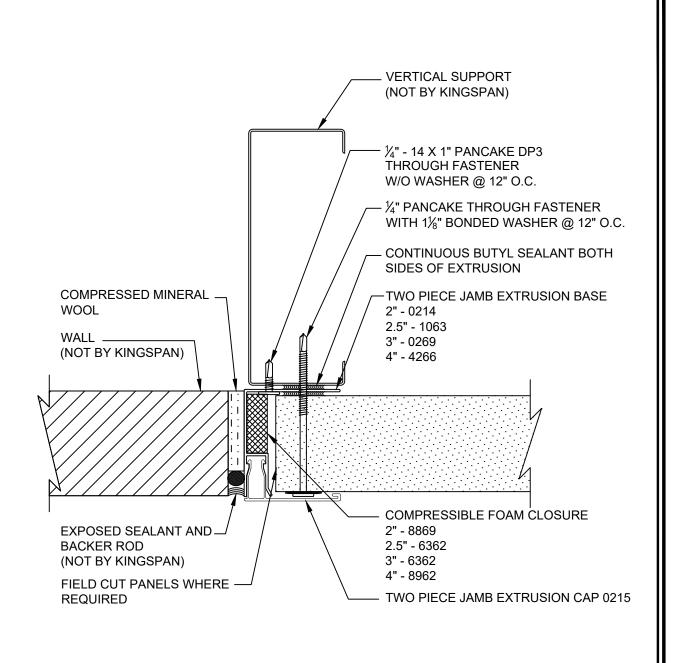
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ENDWALL TERMINATION

DETAIL #: CI-EN-01-KSV

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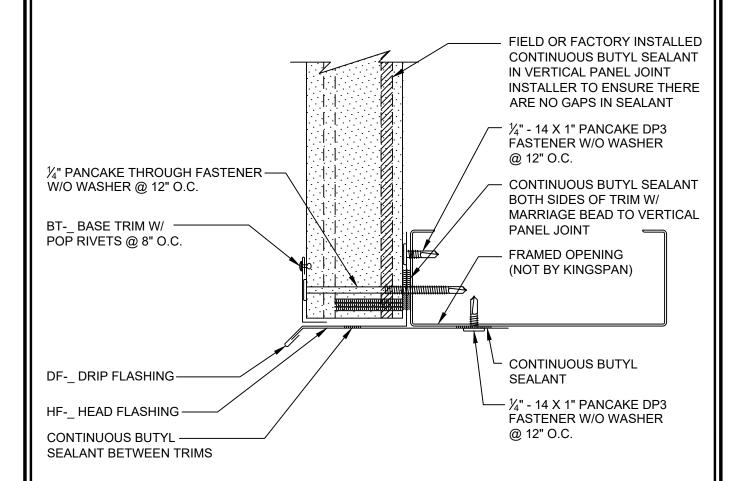
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ENDWALL TERMINATION W/ EXTRUSION

DETAIL #: CI-EN-02-KSV

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NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

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FRAMED OPENING TWO-PIECE HEAD

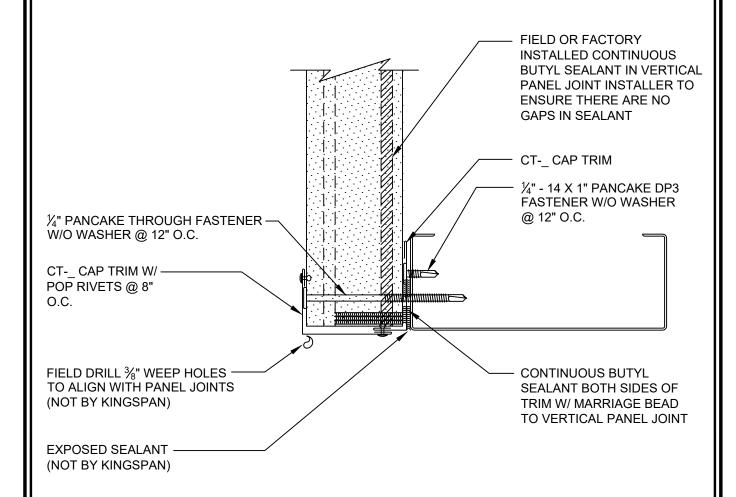
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RELEASE: 2024

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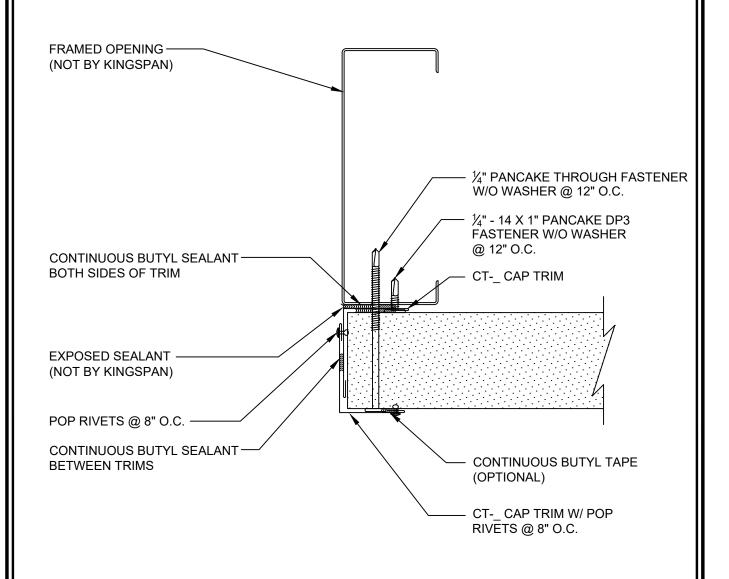
NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

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FRAMED OPENING HEAD W/ "DRIP EDGE"

DETAIL #: CI-FO-02-KSV
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NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV

FOR TYPICAL TRIM LAP INSTRUCTIONS

FRAMED OPENING TWO PIECE JAMB

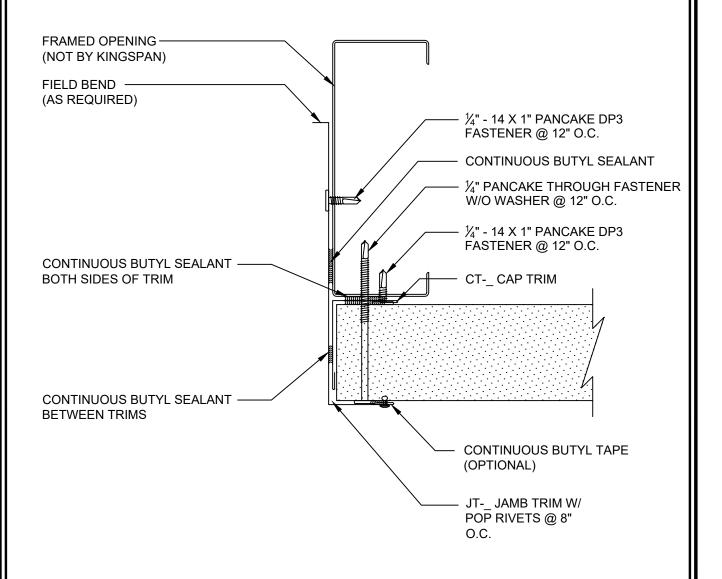
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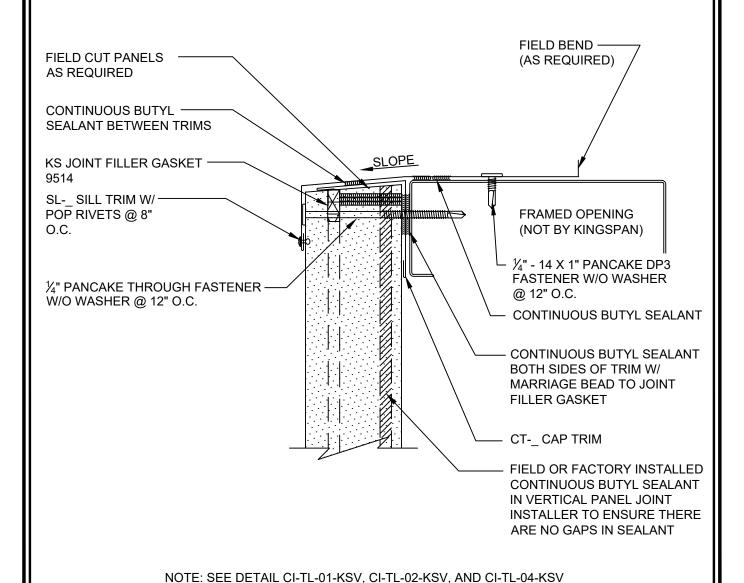
NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

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FRAMED OPENING ONE PIECE JAMB

DETAIL #: CI-FO-04-KSV RELEASE: 2024





FOR TYPICAL TRIM LAP INSTRUCTIONS

FRAMED OPENING ONE PIECE SILL

DETAIL #: CI-FO-05-KSV

RELEASE: 2024

REGION: NORTH AMERICA

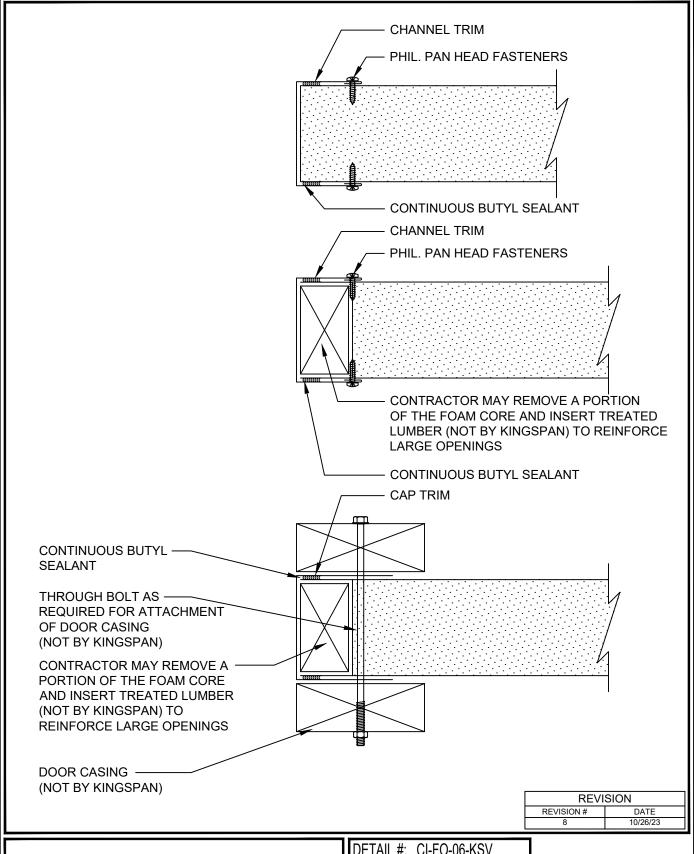
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REVISION

10/26/23

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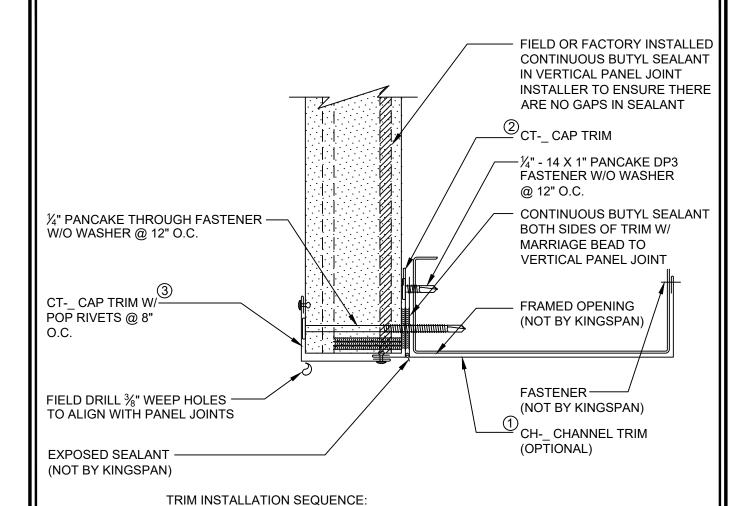


FRAMED OPENING **PARTITION**

DETAIL #: CI-FO-06-KSV

RELEASE: 2024





NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

INSTALL EXTERIOR CAP TRIM

REVISION		
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OVERHEAD DOOR
TWO PIECE HEADER

DETAIL #: CI-FO-07-KSV

RELEASE: 2024

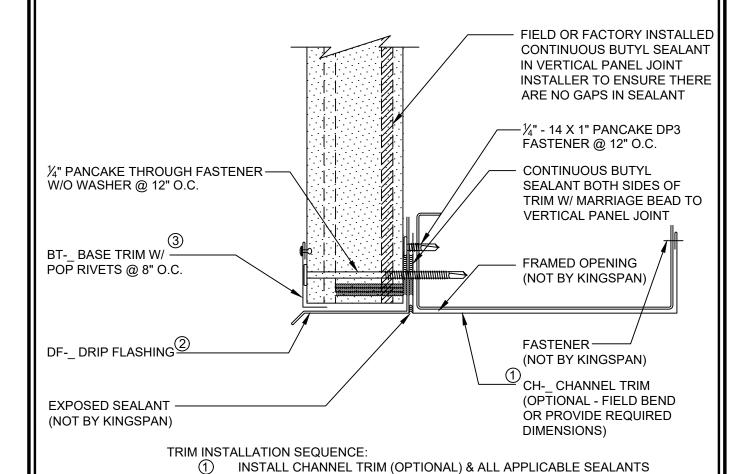
REGION: NORTH AMERICA

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INSTALL CHANNEL TRIM (OPTIONAL) & ALL APPLICABLE SEALANTS INSTALL INTERIOR CAP TRIM & ALL APPLICABLE SEALANTS PRIOR TO

INSTALLING THE PANEL AND THROUGH FASTENERS





NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

INSTALL EXTERIOR CAP TRIM

REVISION		
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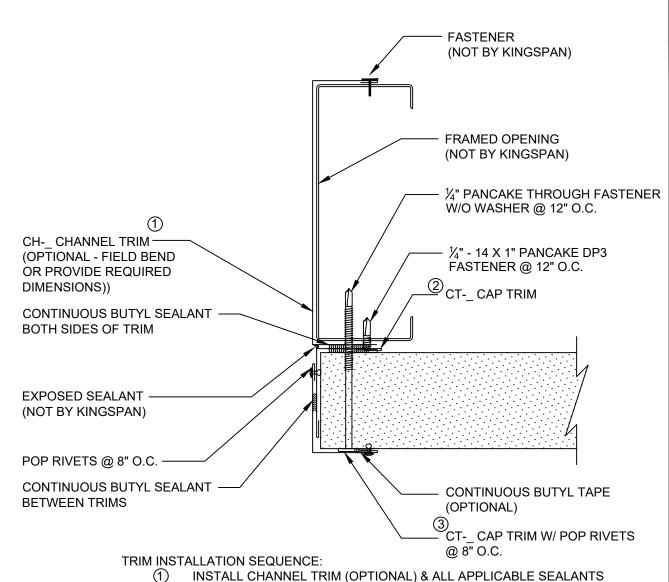
OVERHEAD DOOR HEAD W/ DRIP EDGE DETAIL #: CI-FO-08-KSV
RELEASE: 2024
REGION: NORTH AMERICA

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INSTALL DRIP FLASHING & ALL APPLICABLE SEALANTS PRIOR TO

INSTALLING THE PANEL AND THROUGH FASTENERS





INSTALL CHANNEL TRIM (OPTIONAL) & ALL APPLICABLE SEALANTS

INSTALL INTERIOR CAP TRIM & ALL APPLICABLE SEALANTS PRIOR TO INSTALLING THE PANEL AND THROUGH FASTENERS

INSTALL EXTERIOR CAP TRIM

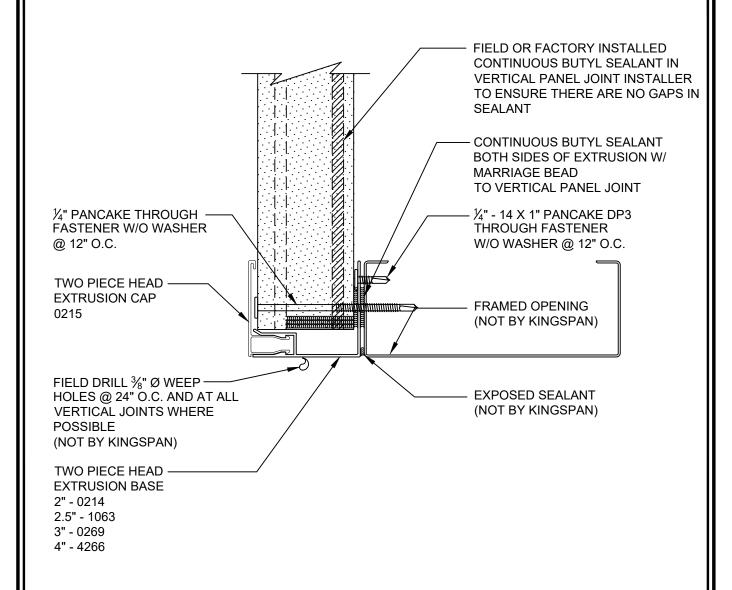
NOTE: SEE DETAIL CI-TL-01-KSV, CI-TL-02-KSV, AND CI-TL-04-KSV FOR TYPICAL TRIM LAP INSTRUCTIONS

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REVISION#	DATE	
8	10/26/23	

OVERHEAD DOOR TWO-PIECE JAMB

DETAIL #: CI-FO-09-KSV RELEASE: 2024



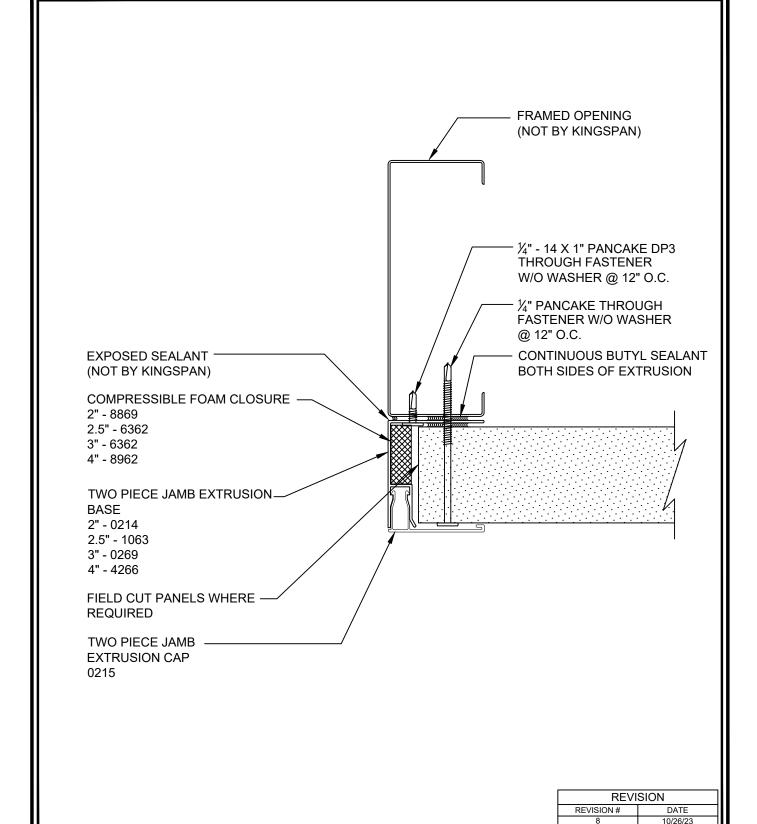


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HEADER W/ EXTRUSION DETAIL #: CI-FO-10-KSV

RELEASE: 2024

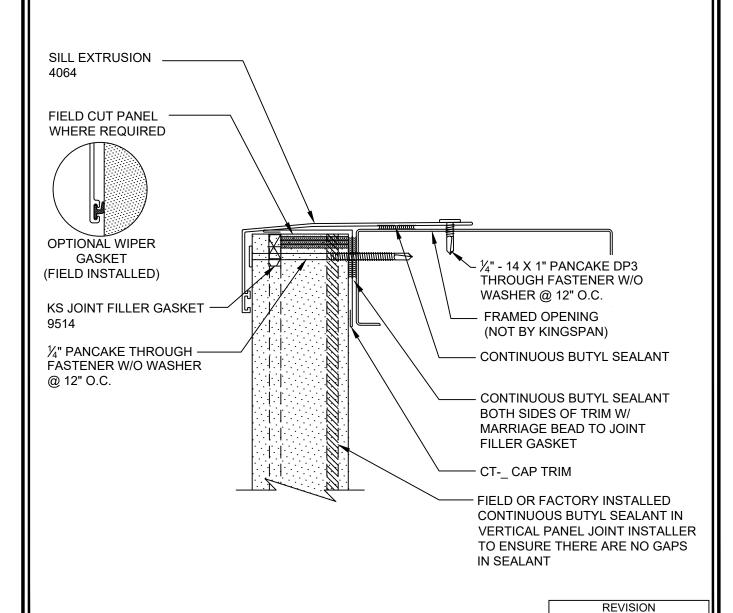




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) v v /	1 /\ 1		

DETAIL #: CI-FO-11-KSV
RELEASE: 2024





SILL W/ EXTRUSION

DETAIL #: CI-FO-12-KSV

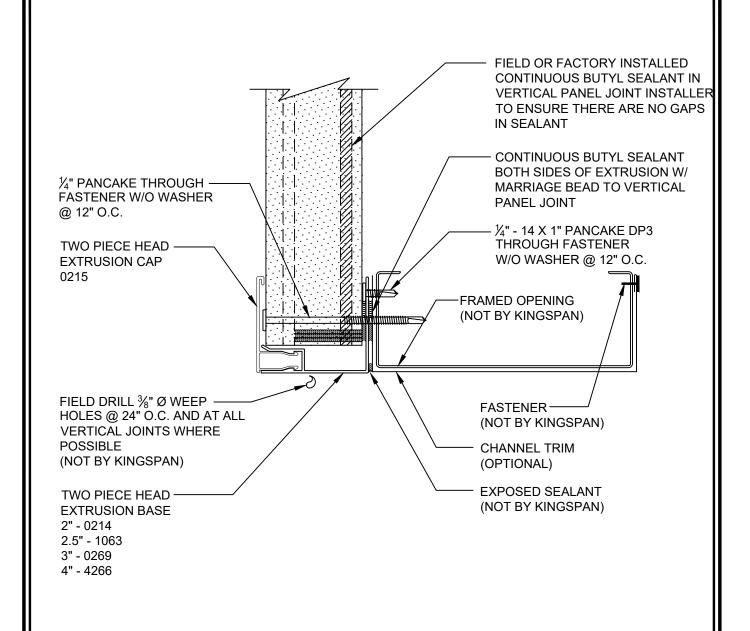
RELEASE: 2024

REGION: NORTH AMERICA www.kingspanpanels.com



DATE 10/26/23

REVISION#



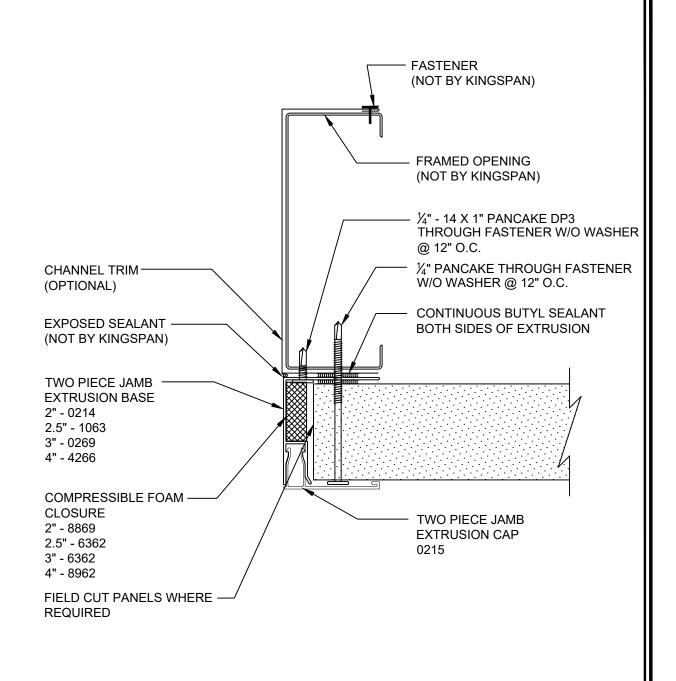
REVISION		
REVISION#	DATE	
8	10/26/23	

O.H. DOOR HEAD W/ EXTRUSION DETAIL #: CI-FO-13-KSV

RELEASE: 2024

REGION: NORTH AMERICA



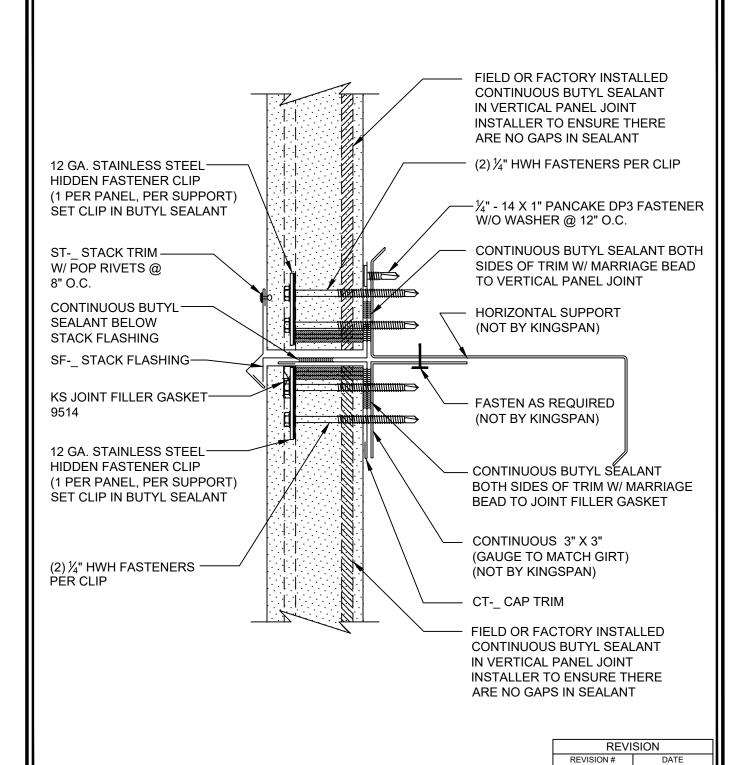


REVISION		
REVISION#	DATE	
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O.H. DOOR JAMB W/ EXTRUSION DETAIL #: CI-FO-14-KSV

RELEASE: 2024





STACK JOINT

DETAIL #: CI-SJ-01-KSV

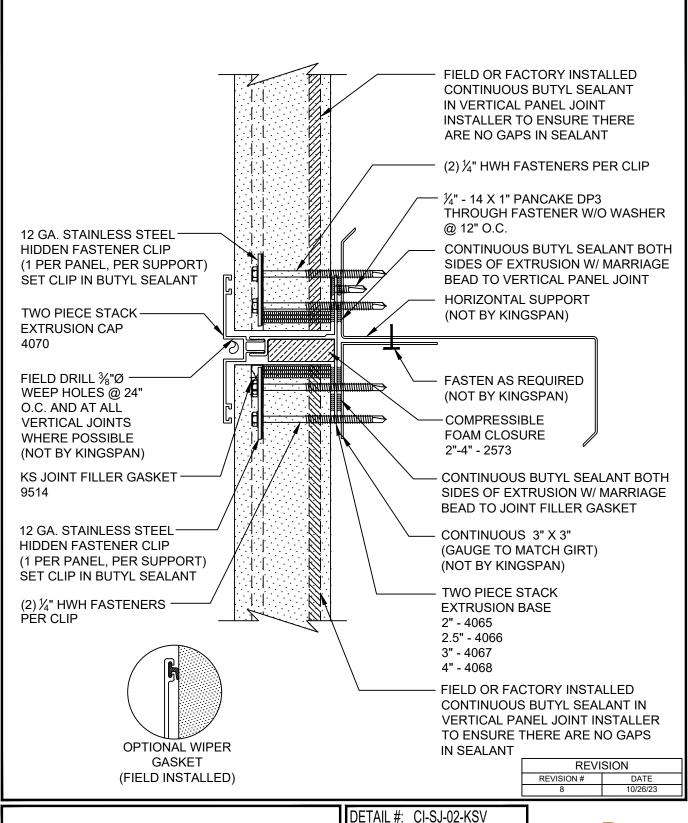
RELEASE: 2024

REGION: NORTH AMERICA

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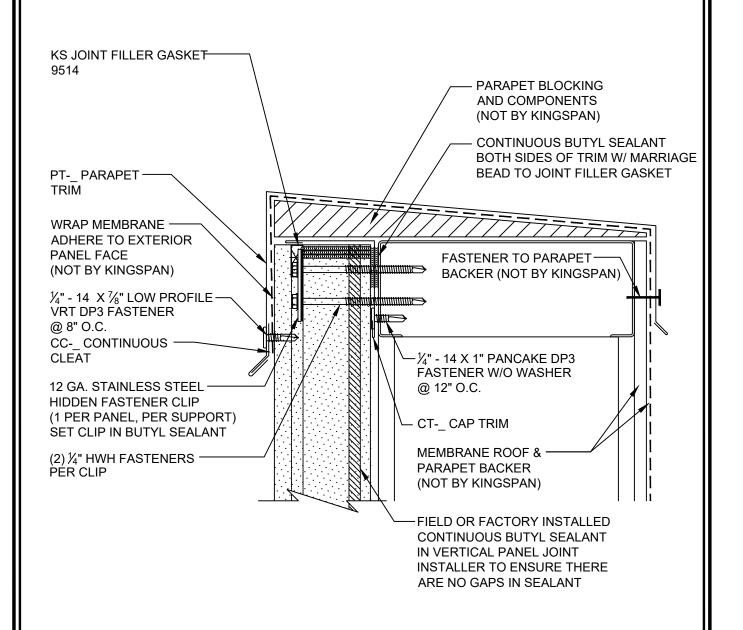
STACK JOINT WITH EXTRUSION

DETAIL #: CI-5J-02-K5V

RELEASE: 2024

REGION: NORTH AMERICA





PARAPET WITH FLUSH TRIM

DETAIL #: CI-PR-01-KSV

RELEASE: 2024

REGION: NORTH AMERICA

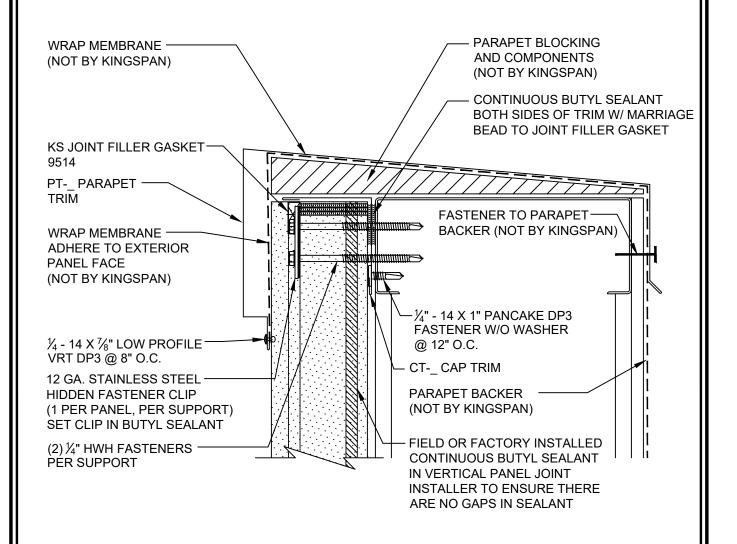
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REVISION#



PARAPET WITH PROFILED TRIM

DETAIL #: CI-PR-02-KSV

RELEASE: 2024

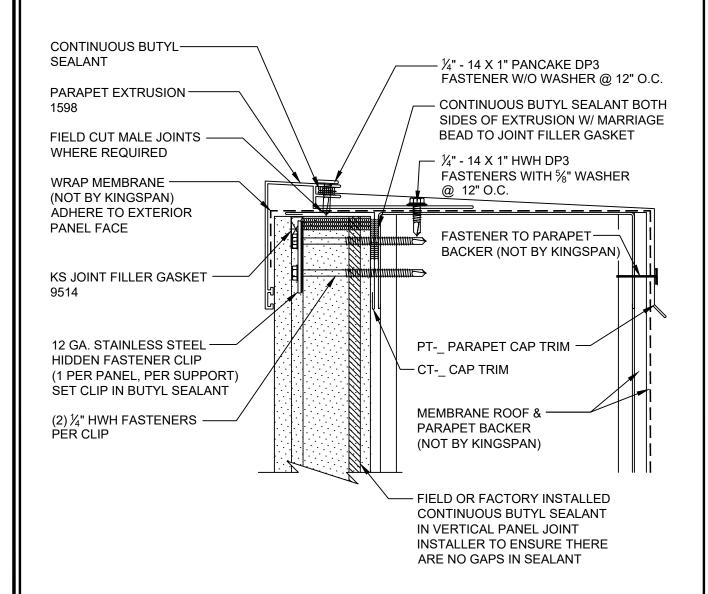
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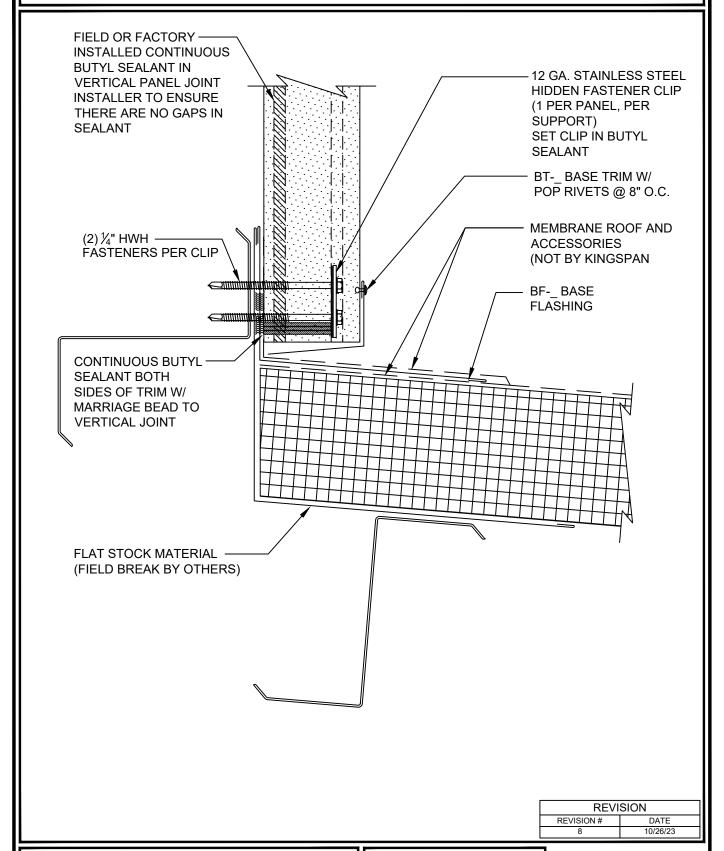
PARAPET WITH EXTRUSION

DETAIL #: CI-PR-03-KSV

RELEASE: 2024

REGION: NORTH AMERICA



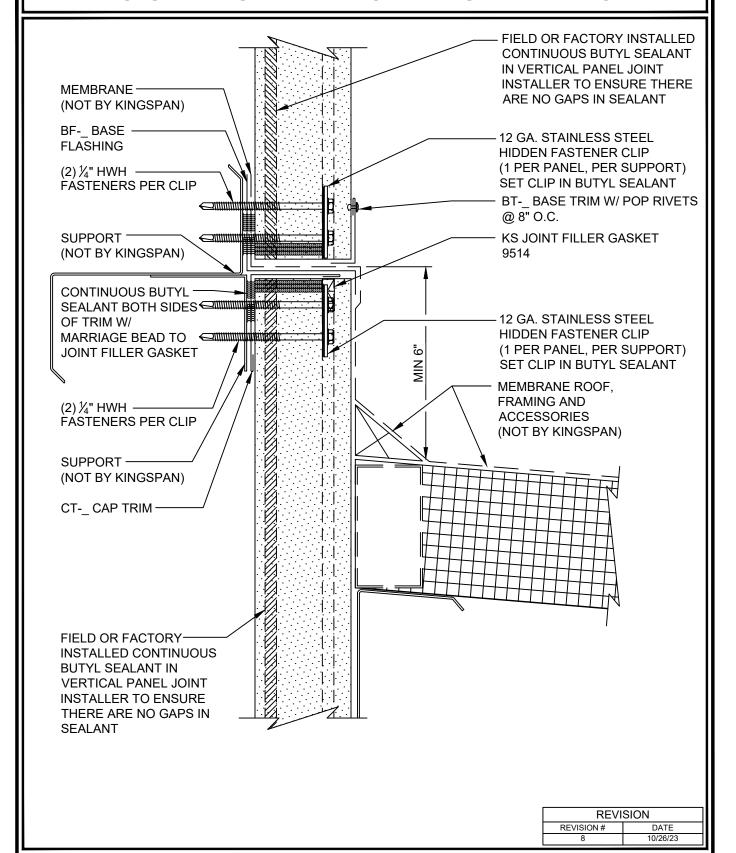


WALL TO ROOF

DETAIL #: CI-WR-01-KSV

RELEASE: 2024



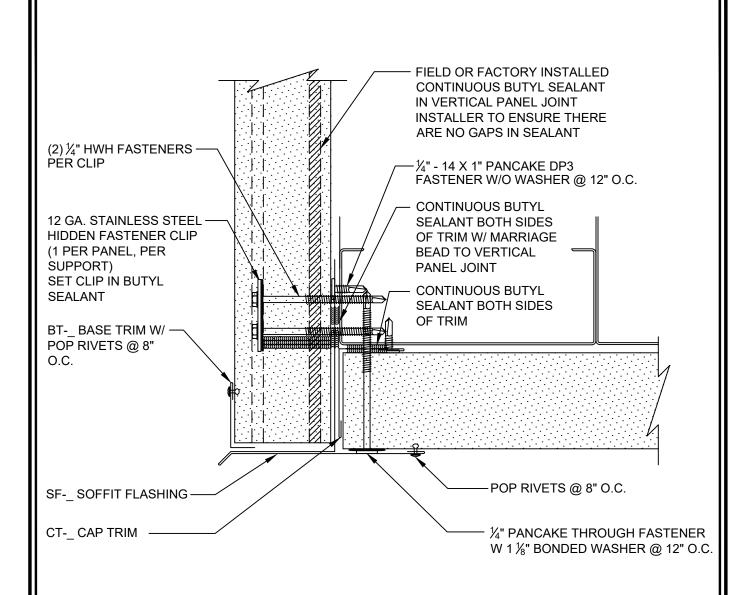


CONTINUOUS WALL AT ROOF / CANOPY

DETAIL #: CI-WR-02-KSV

RELEASE: 2024





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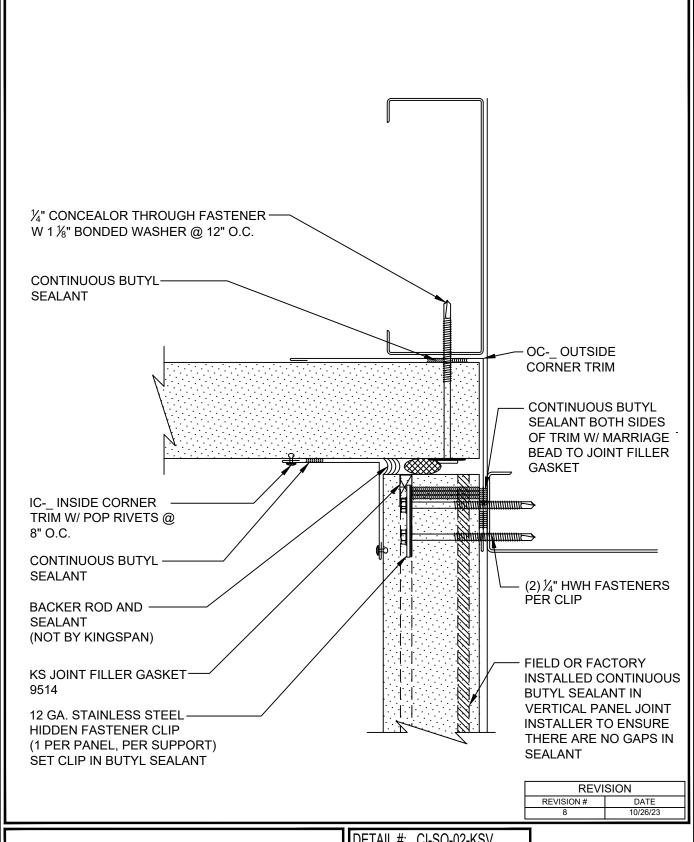
WALL ABOVE TO HORIZONTAL SOFFIT

DETAIL #: CI-SO-01-KSV

RELEASE: 2024

REGION: NORTH AMERICA www.kingspanpanels.com

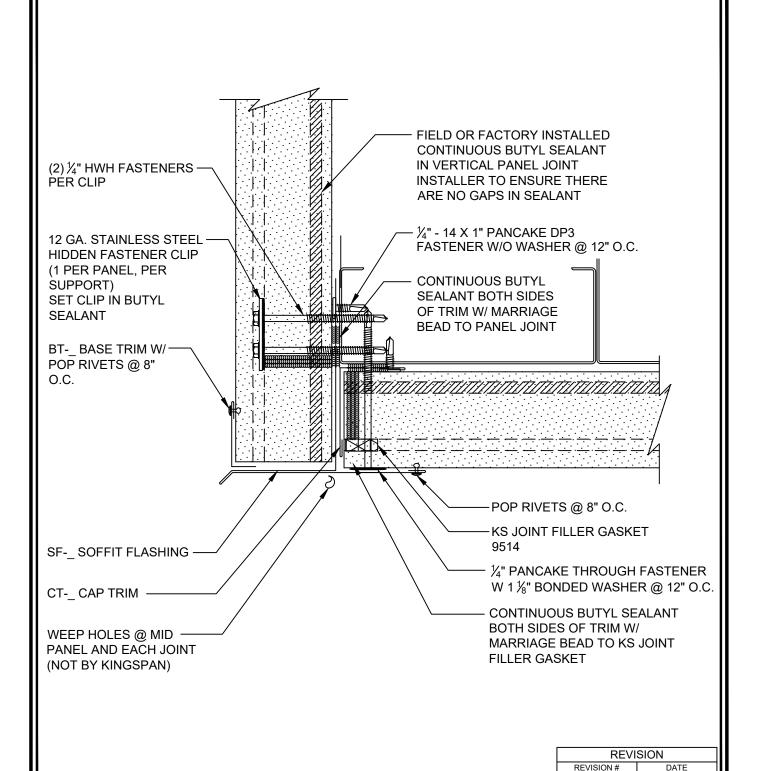
Kingspan.



WALL BELOW TO HORIZONTAL SOFFIT

DETAIL #: CI-SO-02-KSV RELEASE: 2024





WALL ABOVE TO VERTICAL SOFFIT

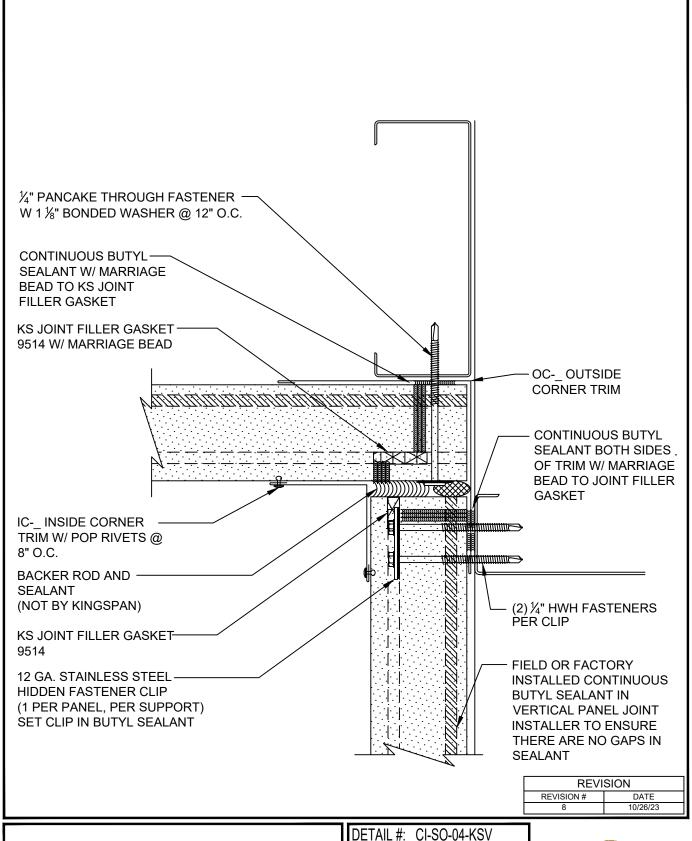
DETAIL #: CI-SO-03-KSV

RELEASE: 2024

REGION: NORTH AMERICA www.kingspanpanels.com



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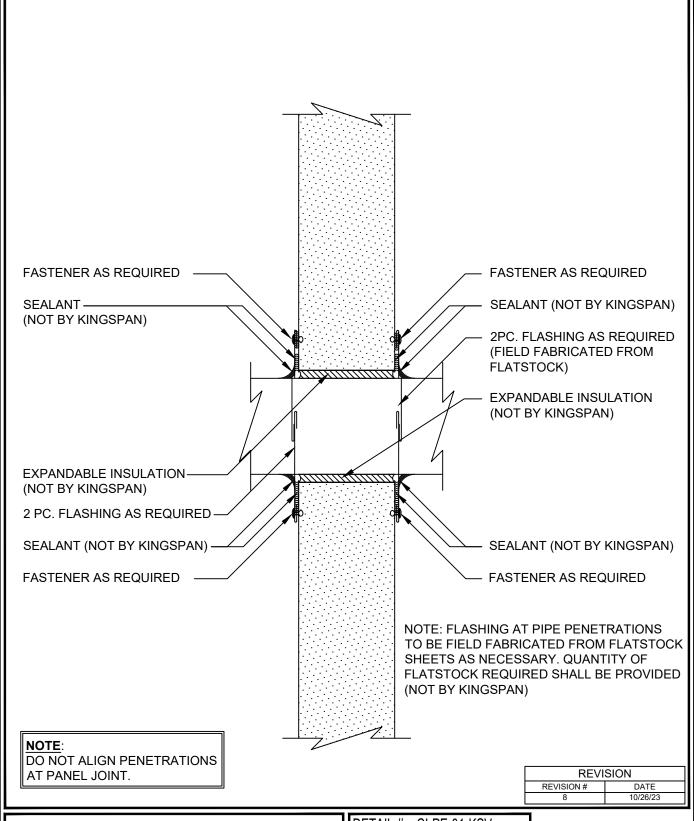
WALL BELOW TO VERTICAL SOFFIT

DETAIL#: CI-SO-04-KSV

RELEASE: 2024

REGION: NORTH AMERICA





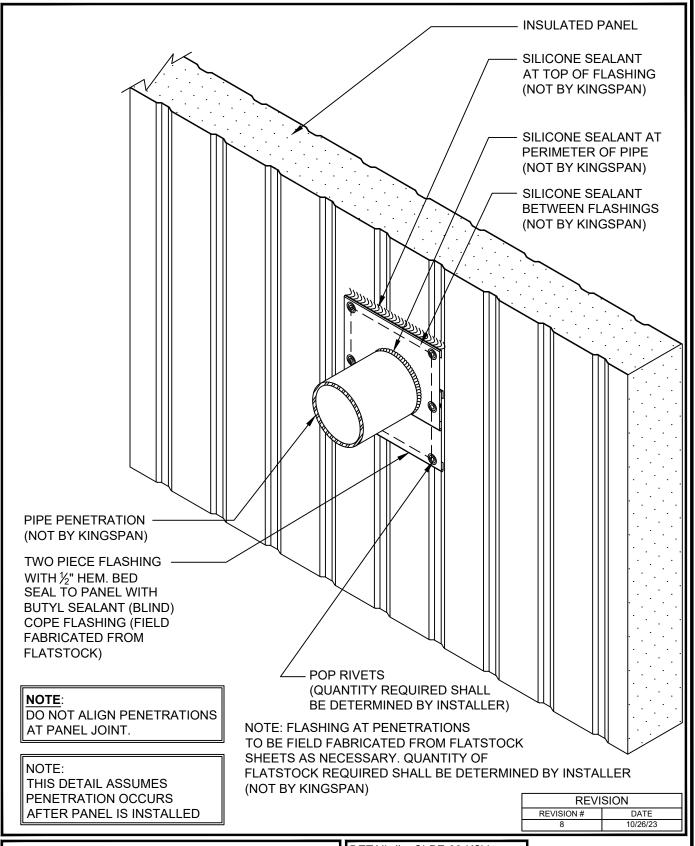
PIPE PENETRATION SECTION

DETAIL #: CI-PE-01-KSV

RELEASE: 2024

REGION: NORTH AMERICA





PIPE PENETRATION ISOMETRIC

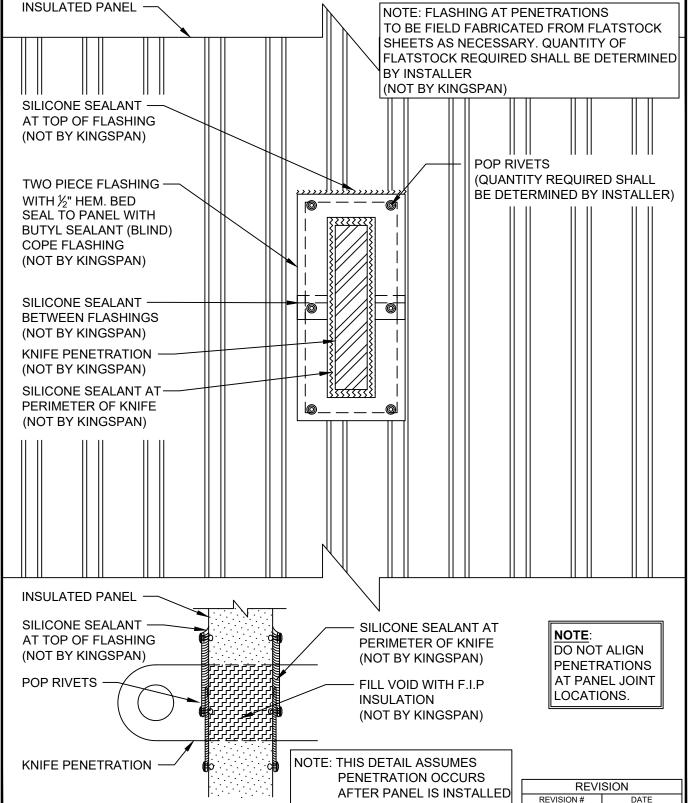
DETAIL #: CI-PE-02-KSV

RELEASE: 2024

REGION: NORTH AMERICA



KS SERIES - VERTICAL INSTALLATION TED PANEL NOTE: FLASHING AT PENETRATIONS TO BE FIELD FABRICATED FROM FLATS



KNIFE PLATE PENETRATION

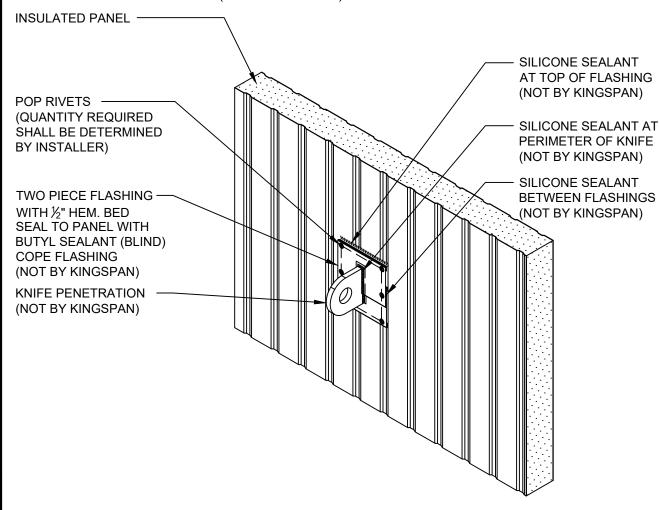
DETAIL #: CI-PE-03-KSV

RELEASE: 2024

REGION: NORTH AMERICA



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: THIS DETAIL ASSUMES
PENETRATION OCCURS
AFTER PANEL IS INSTALLED

NOTE:

DO NOT ALIGN PENETRATIONS AT PANEL JOINT.

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KNIFE PLATE
PENETRATION ISOMETRIC

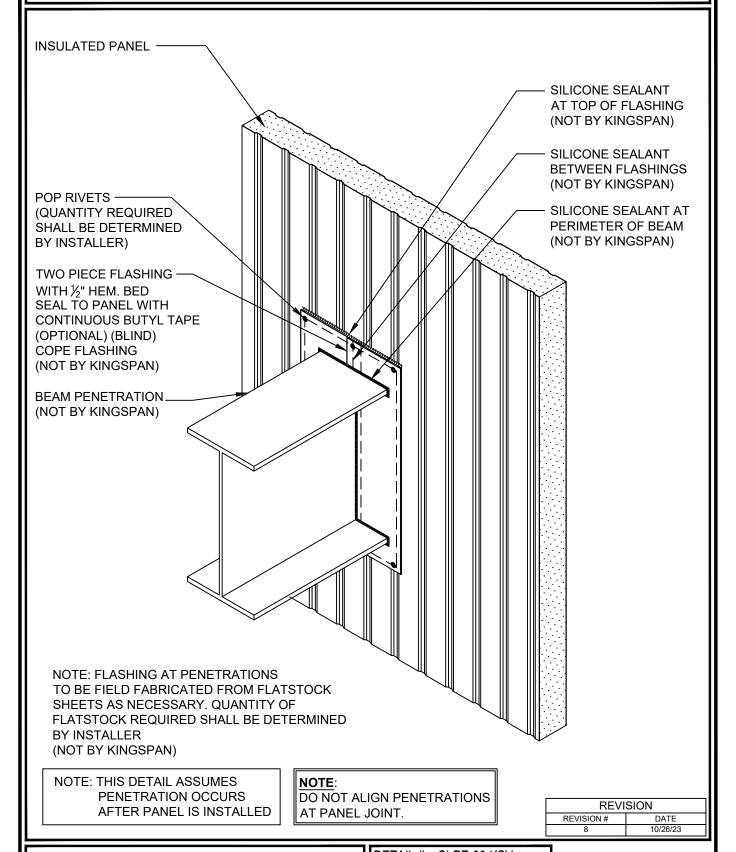
DETAIL #: CI-PE-04-KSV

RELEASE: 2024

REGION: NORTH AMERICA



KS SERIES - VERTICAL INSTALLATION **INSULATED PANEL -**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) SILICONE SEALANT AT TOP OF FLASHING SILICONE SEALANT (NOT BY KINGSPAN) BETWEEN FLASHINGS (NOT BY KINGSPAN) TWO PIECE FLASHING -WITH ½" HEM. BED POP RIVETS SEAL TO PANEL WITH (QUANTITY REQUIRED **BUTYL SEALANT (BLIND)** SHALL BE DETERMINED **COPE FLASHING** BY INSTALLER) (NOT BY KINGSPAN) BEAM PENETRATION (NOT BY KINGSPAN) SILICONE SEALANT AT PERIMETER OF BEAM (NOT BY KINGSPAN) INSULATED PANEL -SILICONE SEALANT -SILICONE SEALANT AT NOTE: AT TOP OF FLASHING PERIMETER OF BEAM DO NOT ALIGN (NOT BY KINGSPAN) (NOT BY KINGSPAN) **PENETRATIONS** AT PANEL JOINT FILL VOID WITH F.I.P. **BEAM PENETRATION** LOCATIONS. INSULATION (NOT BY KINGSPAN) POP RIVETS -NOTE: THIS DETAIL ASSUMES **REVISION** PENETRATION OCCURS REVISION # DATE AFTER PANEL IS INSTALLED DETAIL #: CI-PE-05-KSV RELEASE: 2024 **BEAM PENETRATION** REGION: NORTH AMERICA www.kingspanpanels.com

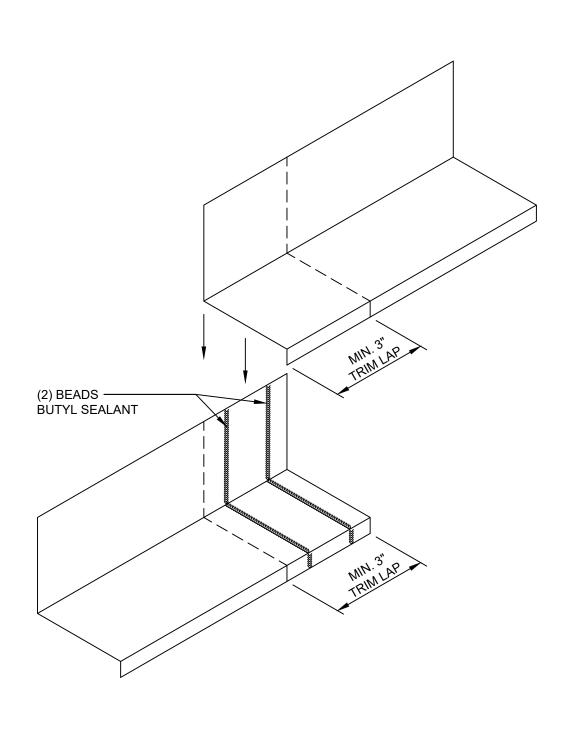


BEAM PENETRATION ISOMETRIC

DETAIL #: CI-PE-06-KSV

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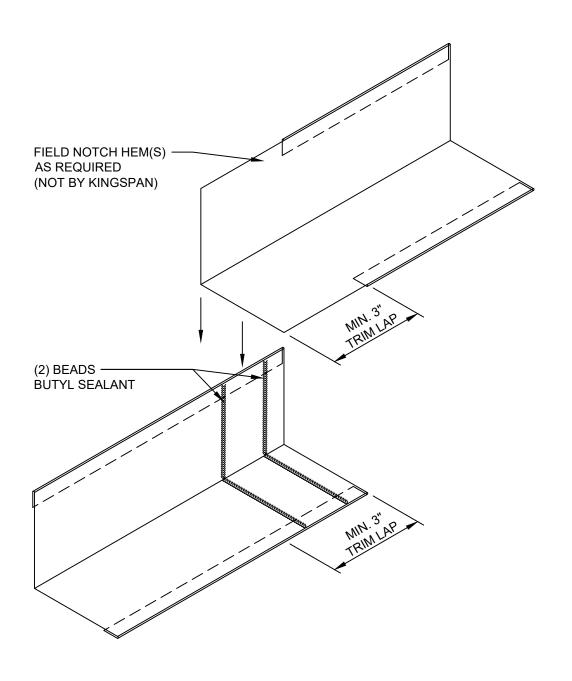
TRIM END LAP

DETAIL #: CI-TL-01-KSV

RELEASE: 2024

REGION: NORTH AMERICA



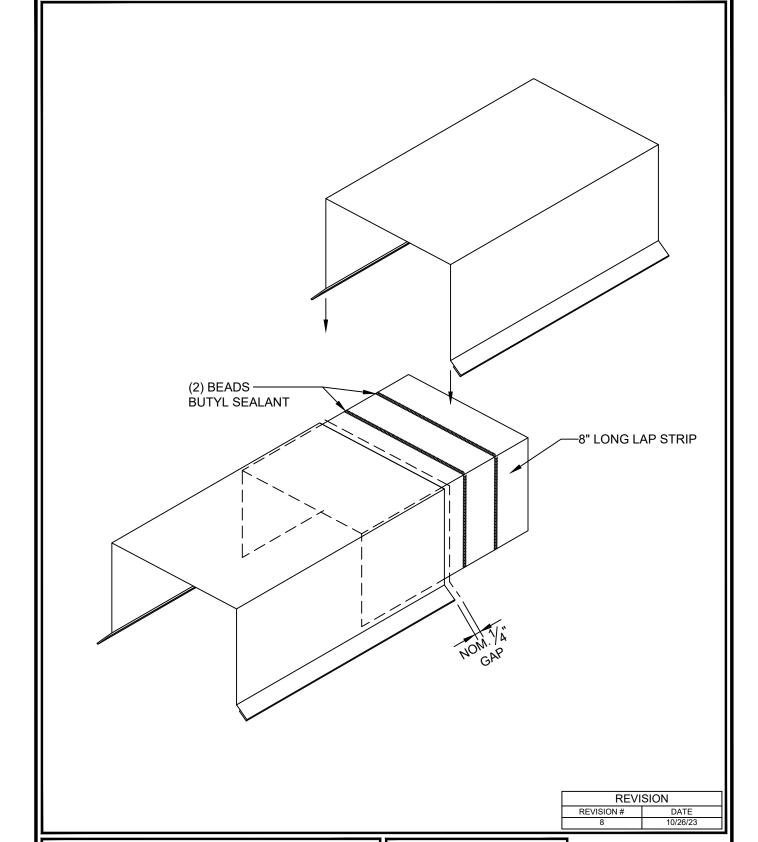


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TRIM LAP WITH HEM

DETAIL #: CI-TL-02-KSV RELEASE: 2024





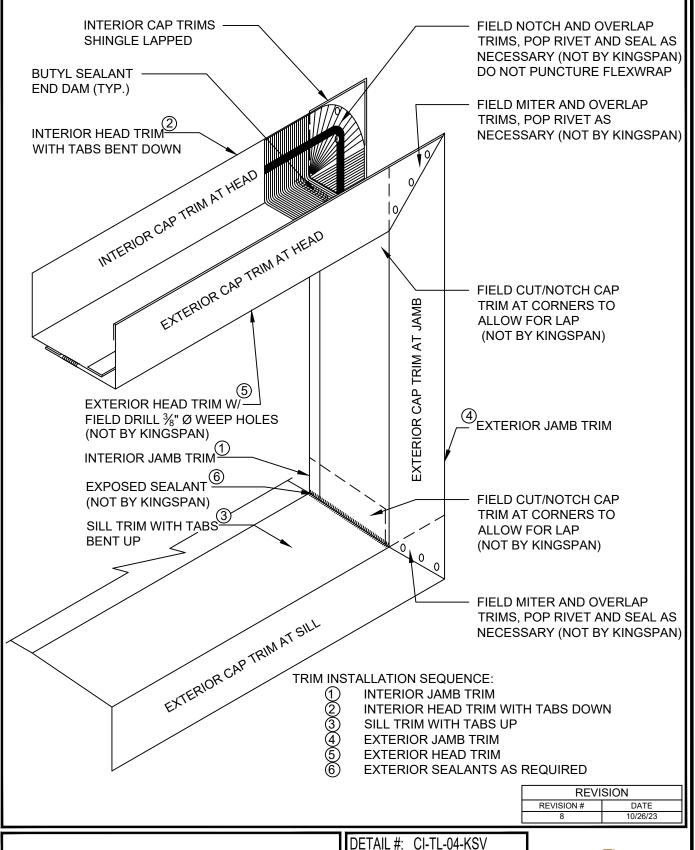
TRIM END LAP WITH LAP STRIP

DETAIL #: CI-TL-03-KSV

RELEASE: 2024

REGION: NORTH AMERICA





TRIM LAP W/ FLEXWRAP AT FRAMED OPENING

DETAIL #: CI-TL-04-KSV RELEASE: 2024



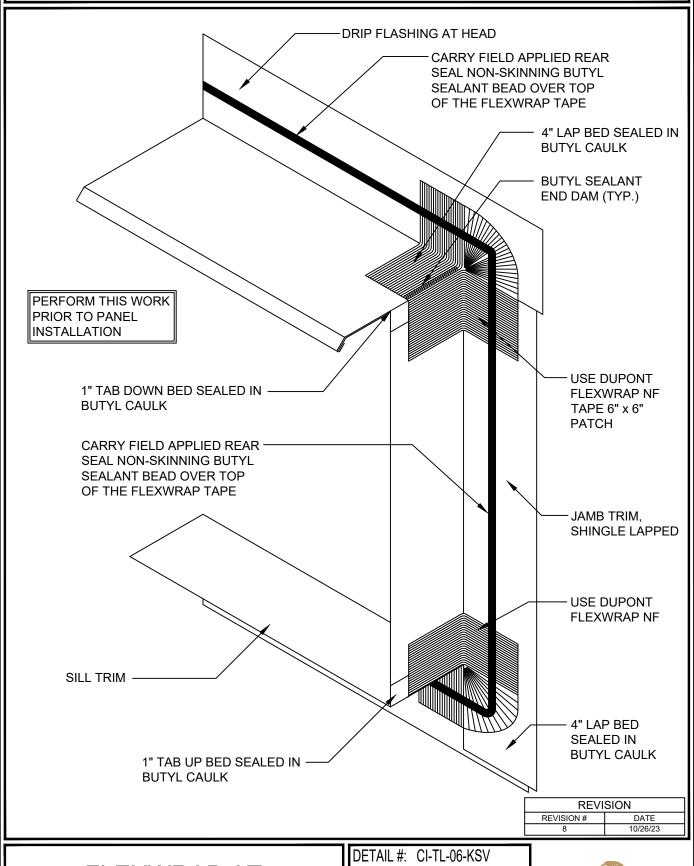
KS SERIES - VERTICAL INSTALLATION TRIM INSTALLATION SEQUENCE: (5) INTERIOR JAMB TRIM (NOTCH) DRIP FLASHING HEAD TRIM WITH TABS BENT DOWNS CAP TRIM AT HEAD SILL TRIMS WITH TABS BENT UP **EXTERIOR JAMB TRIM** EXTERIOR CAP TRIM AT HEAD 2 DRIP FLASHING AT HEAD **EXTERIOR CAP** TRIM AT JAMB MIN. 3" TAB FOLD OVER INTERIOR JAMB TRIM, APPLY SEALANT IN INTERIOR CAP RIM AT JAMB BETWEEN (TYPICAL **BOTH ENDS)** /INTERIOR CAP TRIM AT JAMB/ **EXTERIOR CAP** TRIM AT JAMB **EXPLODED VIEW** MIN. 3" TAB FOLD OVER INTERIOR JAMB TRIM, APPLY **SEALANT IN BETWEEN** REVISION (TYPICAL BOTH ENDS) REVISION# DATE 10/26/23

TRIM LAP AT FRAMED OPENING INSTALLATION

DETAIL #: CI-TL-05-KSV

RELEASE: 2024



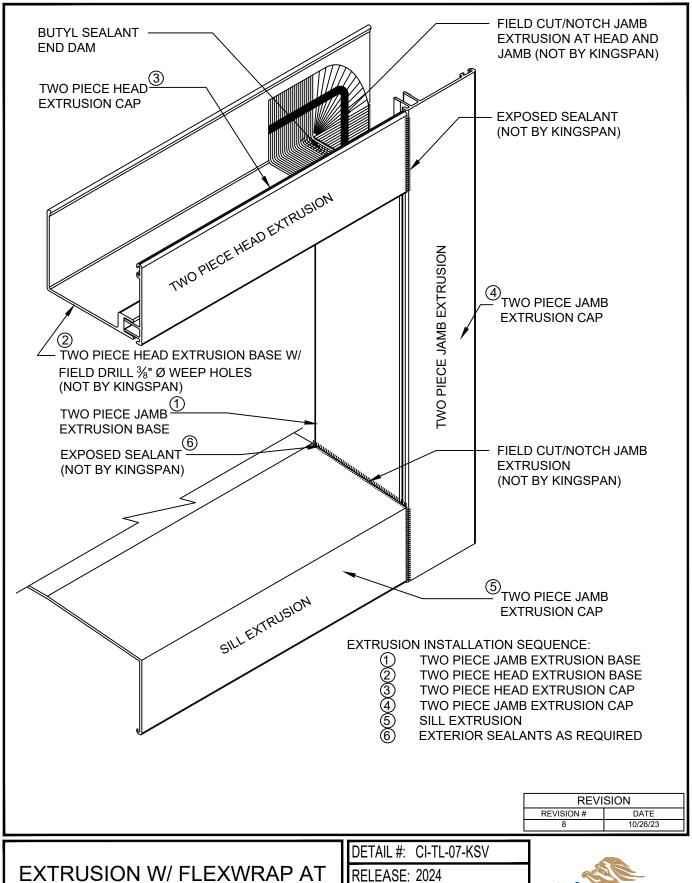


FLEXWRAP AT FRAMED OPENING

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REGION: NORTH AMERICA

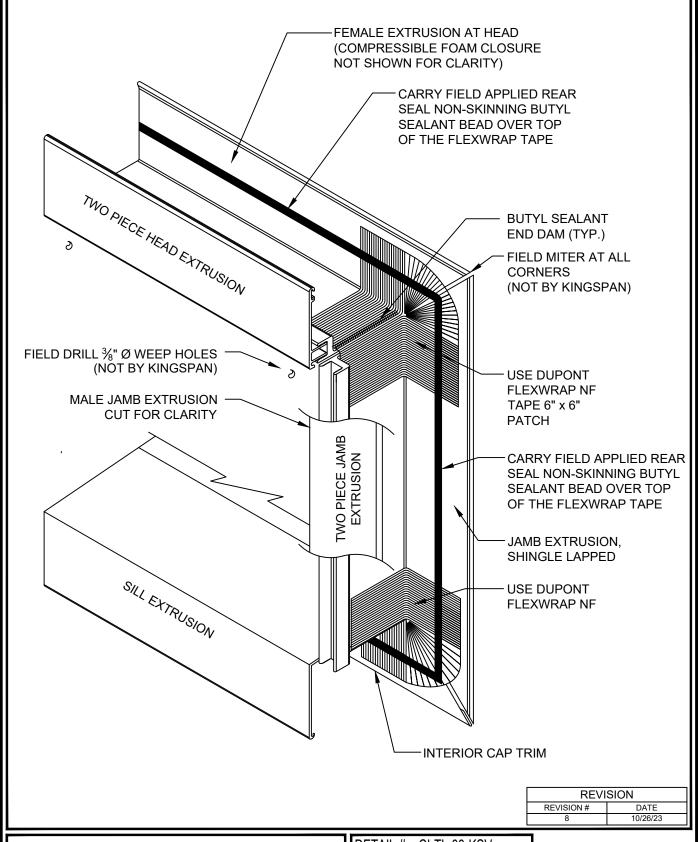




FRAMED OPENING

REGION: NORTH AMERICA



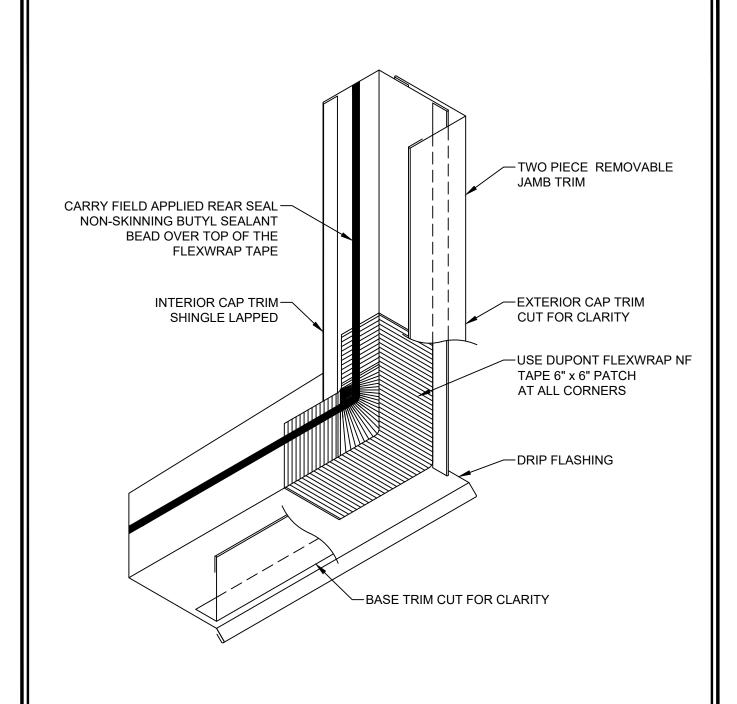


EXTRUSION W/ FLEXWRAP AT FRAMED OPENING

DETAIL #: CI-TL-08-KSV

RELEASE: 2024





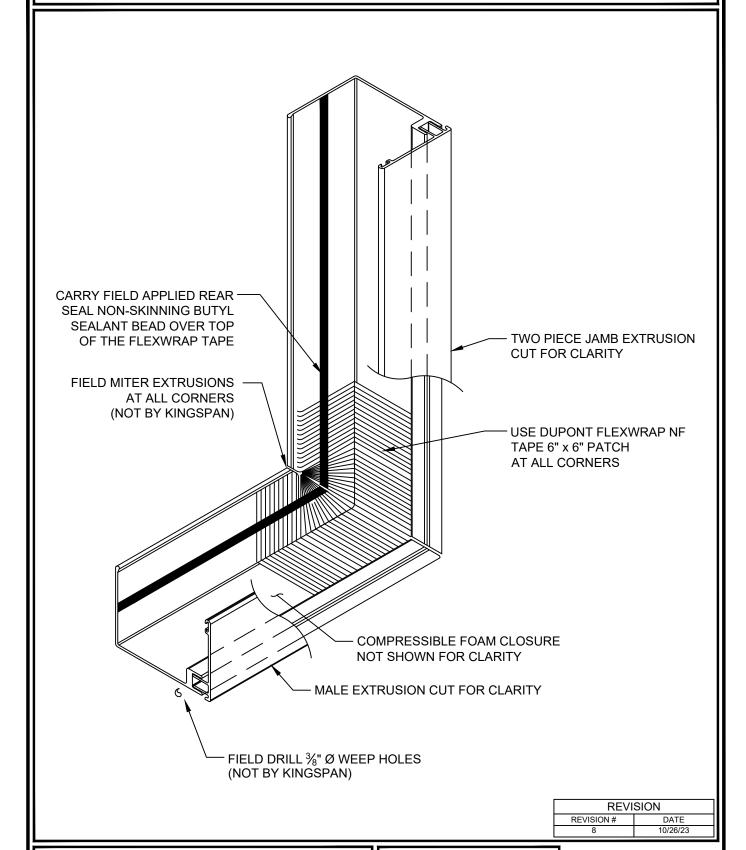
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8	10/26/23

TRIM LAP W/ FLEXWRAP AT REMOVABLE FRAMED OPENING

DETAIL #: CI-TL-09-KSV

RELEASE: 2024



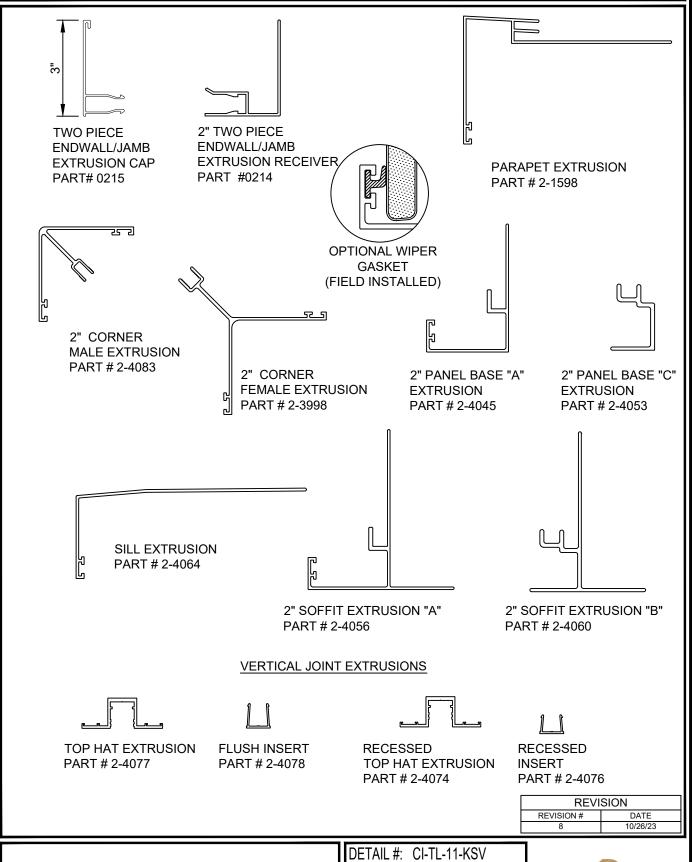


EXTRUSION W/ FLEXWRAP AT REMOVABLE FRAMED OPENING

DETAIL #: CI-TL-10-KSV

RELEASE: 2024



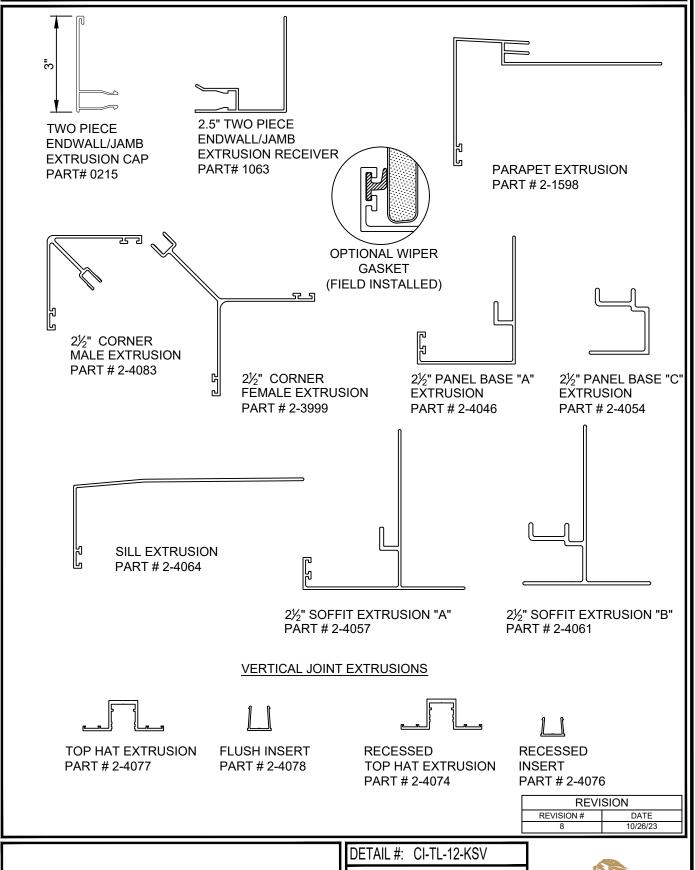


2" EXTRUSIONS

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REGION: NORTH AMERICA www.kingspanpanels.com

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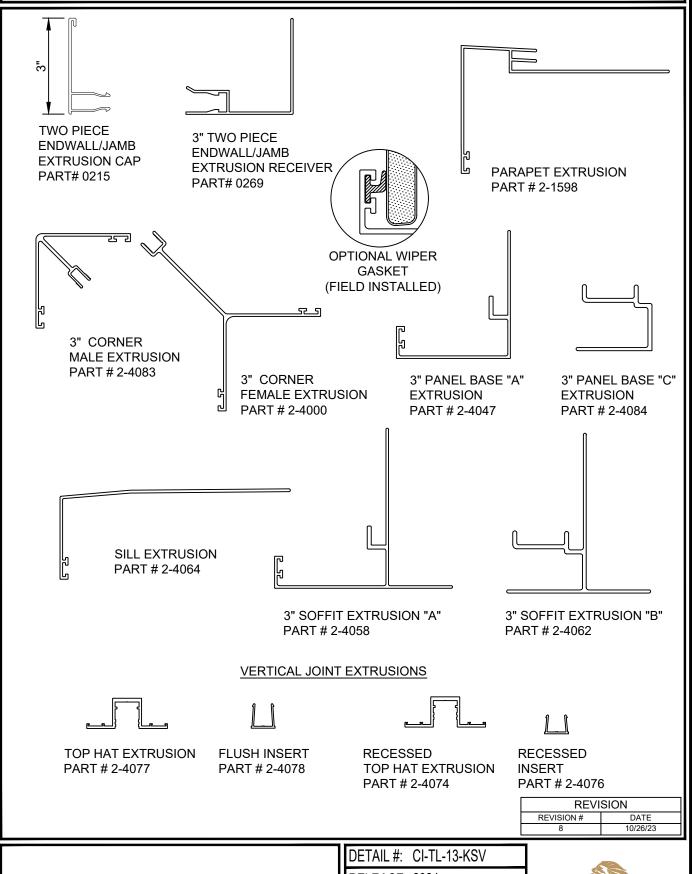


2½" EXTRUSIONS

RELEASE: 2024
REGION: NORTH AMERICA

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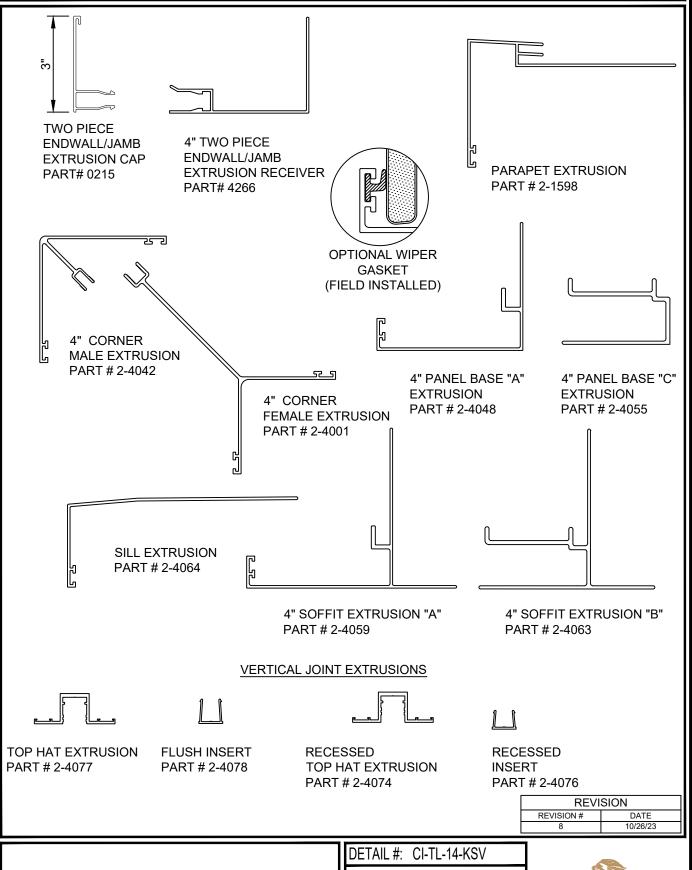
Kingspan.



3" EXTRUSIONS

RELEASE: 2024

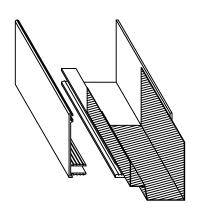




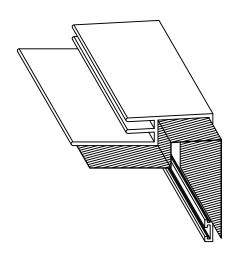
4" EXTRUSIONS

RELEASE: 2024

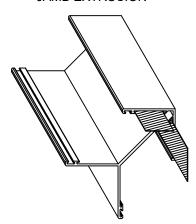


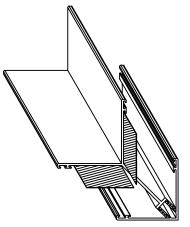


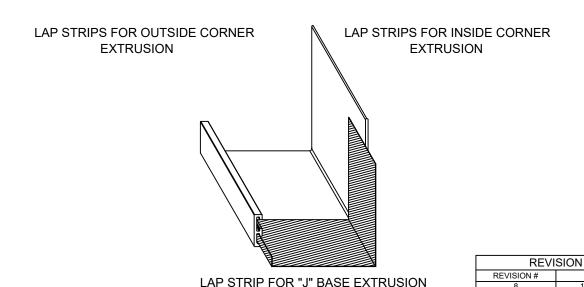
LAP STRIP FOR TWO PIECE JAMB EXTRUSION



LAP STRIP FOR PARAPET EXTRUSION







EXTRUSION LAP STRIPS

DETAIL #: CI-TL-15-KSV

RELEASE: 2024

REGION: NORTH AMERICA www.kingspanpanels.com

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DATE