

DW-4000 - HORIZONTAL INSTALLATION

AR-PJ-01-DW4H	DW-4000S PANEL PROFILE	REVISION	
AR-PJ-02-DW4H	2" HORIZONTAL PANEL JOINT	0	5/16/22
AR-PJ-03a-DW4H	2" VERTICAL PANEL JOINT GASKET	1	4/24/23
AR-PJ-03b-DW4H	2" VERTICAL PANEL JOINT	2	12/08/23
	BLOCK SPLINE	3	12/13/23
AR-PJ-03c-DW4H	2" VERTICAL PANEL JOINT MODIFIED	4	1/8/24
	BLOCK SPLINE		
AR-PJ-04-DW4H	2.5" HORIZONTAL PANEL JOINT		
AR-PJ-05a-DW4H	2.5" VERTICAL PANEL JOINT GASKET		
AR-PJ-05b-DW4H	2.5" VERTICAL PANEL JOINT BLOCK SPLINE		
AR-PJ-05c-DW4H	2.5" VERTICAL PANEL JOINT MODIFIED		
	BLOCK SPLINE		
AR-PJ-06-DW4H	3" HORIZONTAL PANEL JOINT		
AR-PJ-07a-DW4H	3" VERTICAL PANEL JOINT GASKET		
AR-PJ-07b-DW4H	3" VERTICAL PANEL JOINT BLOCK SPLINE		
AR-PJ-07c-DW4H	3" VERTICAL PANEL JOINT MODIFIED		
	BLOCK SPLINE		
AR-PJ-08-DW4H	4" HORIZONTAL PANEL JOINT		
AR-PJ-09a-DW4H	4" VERTICAL PANEL JOINT GASKET		
AR-PJ-09b-DW4H	4" VERTICAL PANEL JOINT BLOCK SPLINE		
AR-PJ-09c-DW4H	4" VERTICAL PANEL JOINT MODIFIED		
	BLOCK SPLINE		
AR-PJ-10a-DW4H	VERTICAL PANEL JOINT EXTRUSION -FLUSH W/ EPDM GASKET		
AR-PJ-10b-DW4H	VERTICAL PANEL JOINT EXTRUSION -FLUSH		
AR-PJ-10c-DW4H	VERTICAL PANEL JOINT EXTRUSION -RECESSED		
AR-PJ-11-DW4H	PANELS OVER METAL STUDS		
AR-PJ-12-DW4H	PANELS OVER CONCRETE		
AR-PJ-13-DW4H	DESIGNWALL 2000 TO 4000		
AR-PJ-14-DW4H	DESIGNWALL 2000 TO 4000		
AR-BS-01-DW4H	BASE -JOINT- ON SLAB CONCEALED BASE EXTRUSION		
AR-BS-02-DW4H	BASE -JOINT- BYPASS SLAB CONCEALED BASE EXTRUSION		

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AR-BS-03-DW4H	BASE -CUT- ON SLAB STANDARD BASE "B" EXTRUSION	REVISION	
AR-BS-04-DW4H	BASE -CUT- BYPASS STANDARD BASE "B" EXTRUSION	0	5/16/22
AR-BS-05-DW4H	BASE -CUT- ON SLAB TRIM	1	4/24/23
AR-BS-06-DW4H	BASE -CUT- BYPASS SLAB TRIM	2	12/08/23
AR-BS-07-DW4H	BASE -CUT- ON SLAB THERMALLY BROKEN EXTRUSION	3	12/13/23
AR-BS-08-DW4H	VERTICAL JOINT FLUSH BASE ISOMETRIC	4	1/8/24
AR-BS-09-DW4H	VERTICAL JOINT BYPASS BASE ISOMETRIC		
AR-OC-01-DW4H	OUTSIDE CORNER TRANSVERSE BENT CORNER		
AR-OC-02-DW4H	OUTSIDE CORNER TRIM		
AR-OC-03-DW4H	OUTSIDE CORNER EXTRUSION		
AR-IC-01-DW4H	INSIDE CORNER WITH TRIMLESS ENDS		
AR-IC-02-DW4H	INSIDE CORNER W/ EXTRUSION		
AR-FO-01-DW4H	FIELD CUT HEAD W/ EXTRUSION		
AR-FO-02-DW4H	FIELD CUT HEAD W/ TRIM		
AR-FO-03-DW4H	FIELD CUT JAMB W/ EXTRUSION		
AR-FO-04-DW4H	FIELD CUT JAMB W/ TRIM		
AR-FO-05-DW4H	WINDOW SILL W/ EXTRUSION		
AR-FO-06-DW4H	WINDOW SILL W/ TRIM		
AR-FO-07-DW4H	FRAMED OPENING HEAD - THERMALLY BROKEN EXTRUSION		
AR-FO-08-DW4H	FRAMED OPENING JAMB - THERMALLY BROKEN EXTRUSION		
AR-FO-09-DW4H	FRAMED OPENING SILL - THERMALLY BROKEN EXTRUSION		
AR-FO-10-DW4H	TRIM / FLEXWRAP ASSEMBLY AT FRAMED OPENINGS		
AR-SF-01-DW4H	SOFFIT AND FASCIA W/ CONCEALED SOFFIT EXTRUSION		

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AR-SF-02-DW4H	SOFFIT AND FASCIA LOGITUDINAL BEND	REVISION	
AR-SF-03-DW4H	FIELD CUT SOFFIT AND FASCIA W/ SOFFIT EXTRUSION	0	5/16/22
AR-SF-04-DW4H	FIELD CUT SOFFIT AND FIELD CUT FASCIA W/ SOFFIT EXTRUSION	1	4/24/23
AR-SF-05-DW4H	FIELD CUT SOFFIT AND FIELD CUT FASCIA W/ TRIM	2	12/08/23
AR-PR-01-DW4H	PARAPET W/ PROFILED EXTRUSION	3	12/13/23
AR-PR-02-DW4H	PARAPET W/ FLUSH TRIM	4	1/8/24
AR-PR-03-DW4H	PARAPET W/ PARAPET EXTRUSION		
AR-SE-01-DW4H	SLAB EDGE DETAIL		
AR-SE-02-DW4H	SLAB EDGE DETAIL		
AR-SE-03-DW4H	SLAB EDGE DETAIL		
AR-SE-04-DW4H	SLAB EDGE DETAIL		
AR-SE-05-DW4H	SLAB EDGE DETAIL		
AR-SE-06-DW4H	SLAB EDGE DETAIL W/ INBOARD METAL STUDS		
AR-SJ-01-DW4H	2" STAGGERED PANEL JOINT		
AR-SJ-02-DW4H	2.5", 3", 4" STAGGERED PANEL JOINT		
AR-PN-01-DW4H	BEAM PENETRATION		
AR-PN-02-DW4H	BEAM PENETRATION		
AR-PN-03-DW4H	BEAM PENETRATION ISOMETRIC		
AR-PN-04-DW4H	SQUARE PENETRATION		
AR-PN-05-DW4H	PIPE PENETRATION SLEEVED		
AR-PN-06-DW4H	PIPE PENETRATION SECTION		
AR-PN-07-DW4H	PIPE PENETRATION ISOMETRIC		
AR-PN-08-DW4H	KNIFE PLATE PENETRATION		
AR-PN-09-DW4H	KNIFE PLATE PENETRATION ISOMETRIC		
AR-TL-01-DW4H	TRIM END LAP		
AR-TL-02-DW4H	TRIM END LAP W/ HEM		
AR-TL-03-DW4H	MENDING PLATE SHINGLE LAP		
AR-TL-04-DW4H	COPING LAP WITH LAP STRIP		
AR-AC-01-DW4H	ACCESSORIES		

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AR-EX-01A-DW4H	2" EXTRUSIONS
AR-EX-01B-DW4H	2" EXTRUSIONS
AR-EX-02A-DW4H	2.5" EXTRUSIONS
AR-EX-02B-DW4H	2.5" EXTRUSIONS
AR-EX-03A-DW4H	3" EXTRUSIONS
AR-EX-03B-DW4H	3" EXTRUSIONS
AR-EX-04A-DW4H	4" EXTRUSIONS
AR-EX-04B-DW4H	4" EXTRUSIONS
AR-EX-05-DW4H	EXTRUSION LAP STRIPS

REVISION	
0	5/16/22
1	4/24/23
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3	12/13/23
4	1/8/24

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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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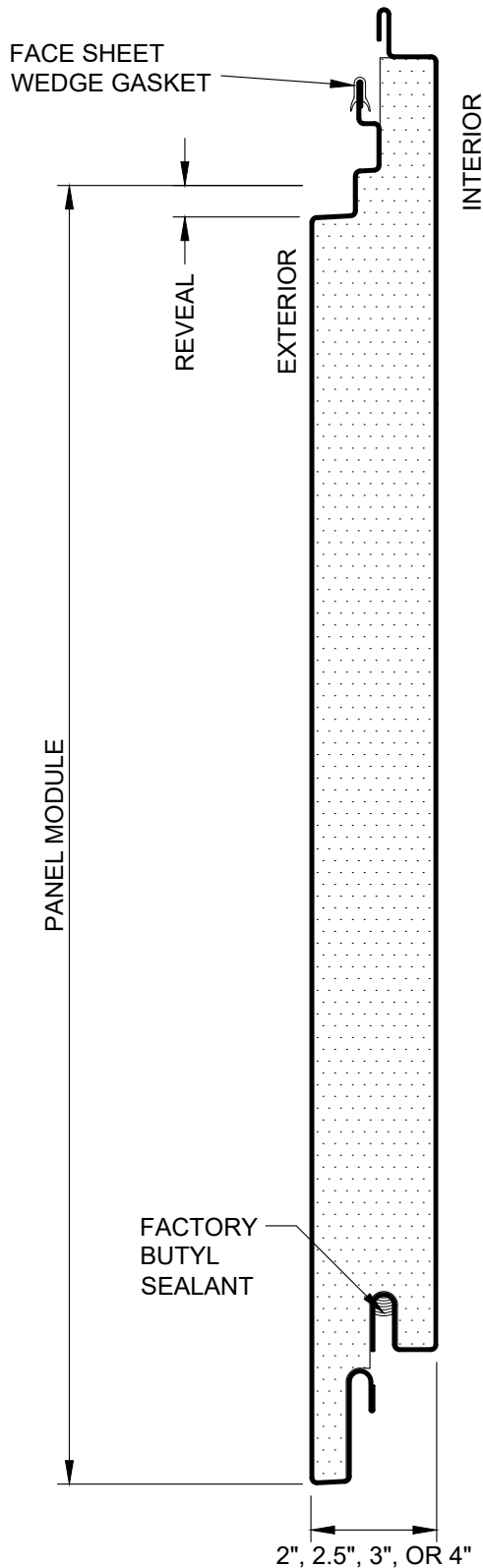
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DW-4000S - HORIZONTAL INSTALLATION



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

STEEL GAUGES:
EXTERIOR: 22, 20
INTERIOR: 24, 22

REVEAL:
1/8", 1/2", 1", 2", 3"

MODULE WIDTH:
MIN: 24"
MAX: 36"

PANEL ORIENTATION: HORIZONTAL

EMBOSSING:
EXTERIOR: NON-EMBOSSSED, STUCCO
INTERIOR: NON-EMBOSSSED, STUCCO

LENGTHS:
MINIMUM: 2'-0"
(MINIMUM LENGTH FOR FM
GLOBAL PROJECTS IS 8'-0")
MAXIMUM: 24'-0"

NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	SEE VERTICAL JOINT DETAILS	NO THERMAL BARRIER REQUIRED

REVISION

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0	5/16/22

DW-4000S PANEL
PROFILE

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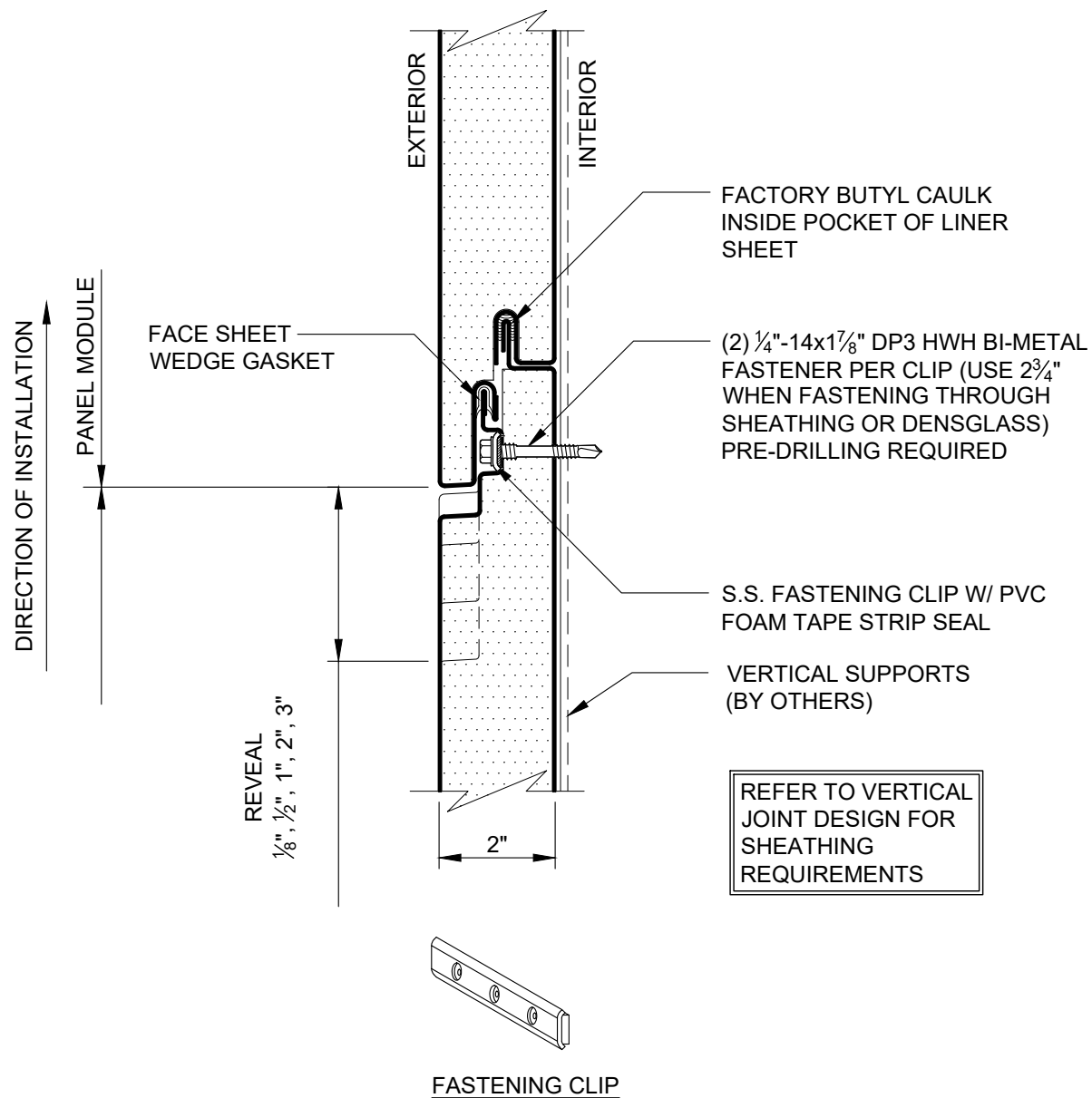
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3	12/13/23

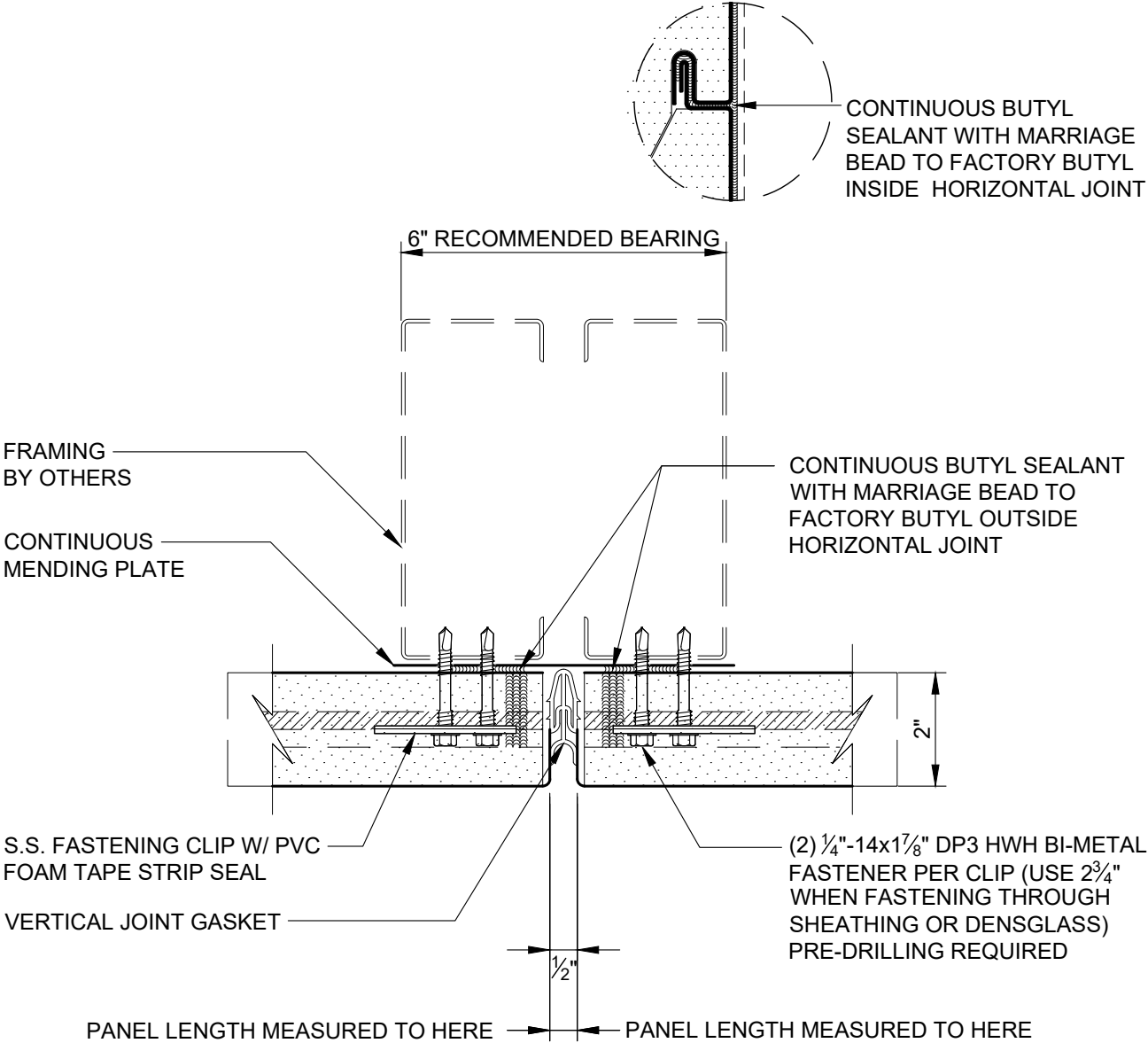
2" HORIZONTAL
PANEL JOINT

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NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED

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2	12/08/23

2" VERTICAL
PANEL JOINT
GASKET

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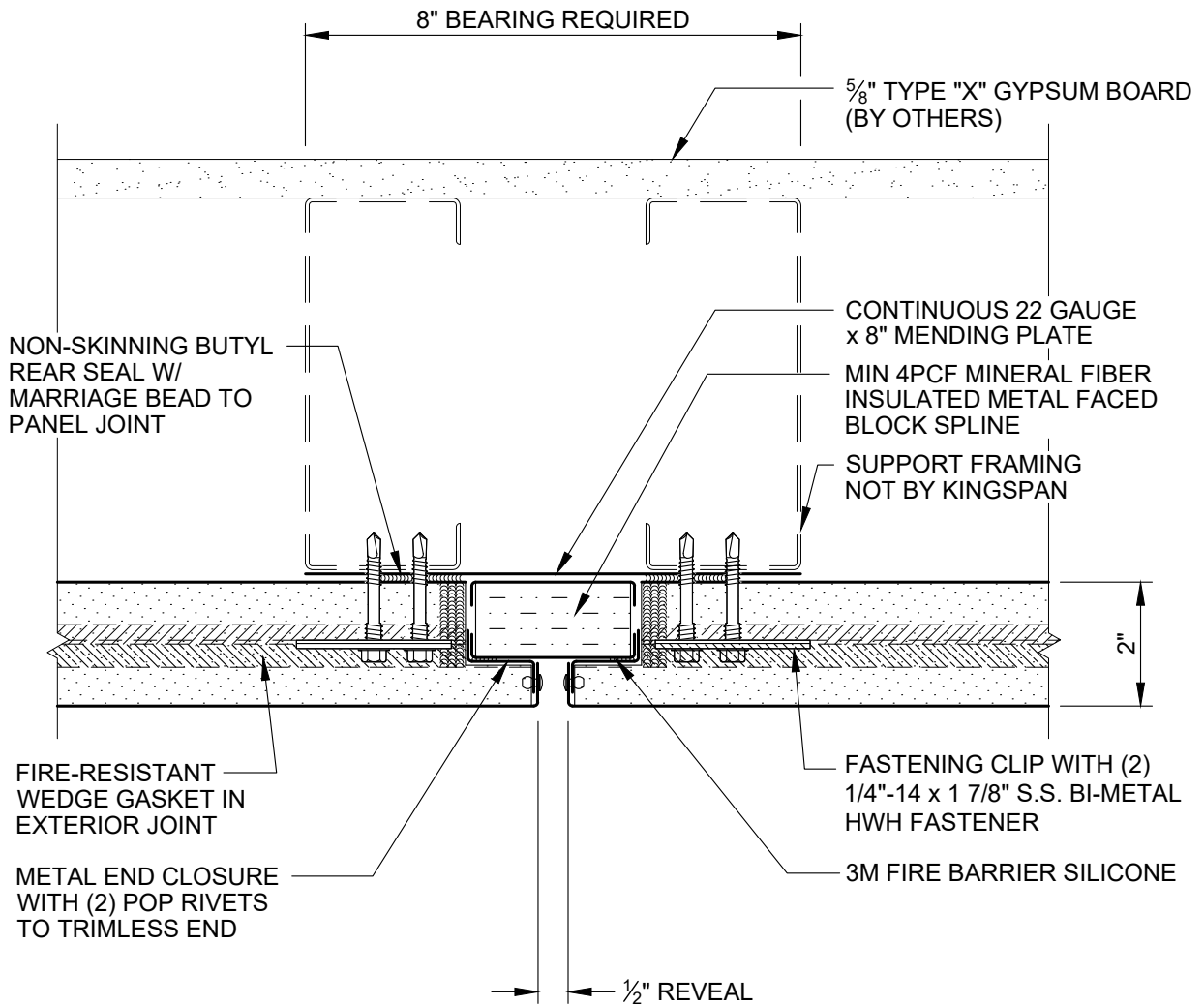
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NOTE:

-MINIMUM MODULE WIDTH = 24".

-1 LAYER OF 5/8" TYPE "X" GYPSUM BOARD
REQUIRED TO CONFORM TO NFPA 285.



NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	5/8" TYPE X WALL BOARD	NO THERMAL BARRIER REQUIRED

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2" VERTICAL
PANEL JOINT
BLOCK SPLINE

DETAIL #: AR-PJ-03b-DW4H

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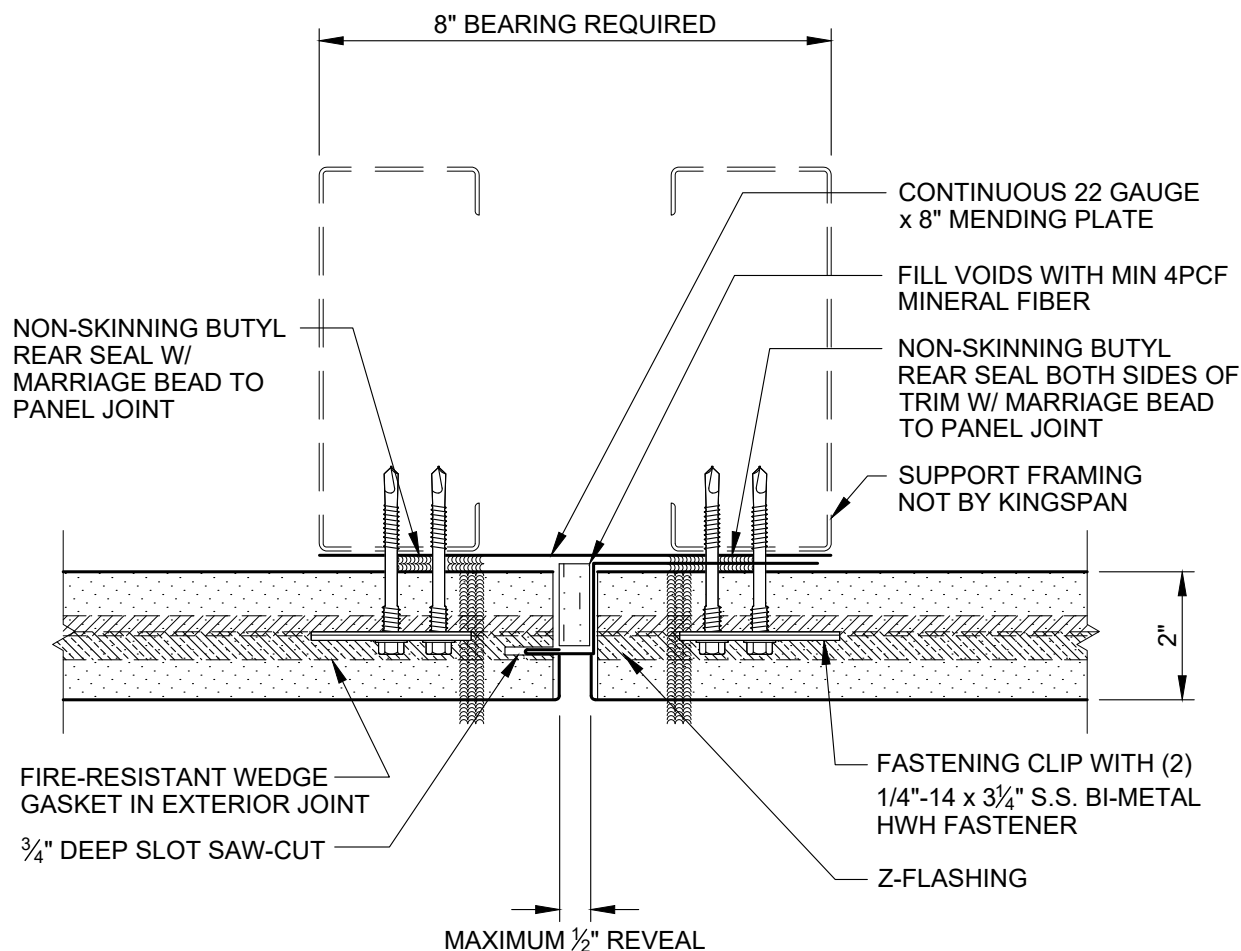
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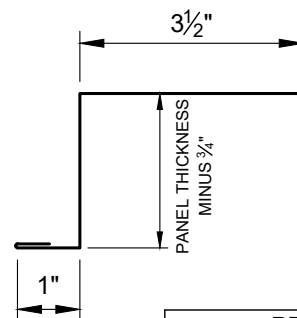


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NFPA 285 COMPLIANCE TABLE				
PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED



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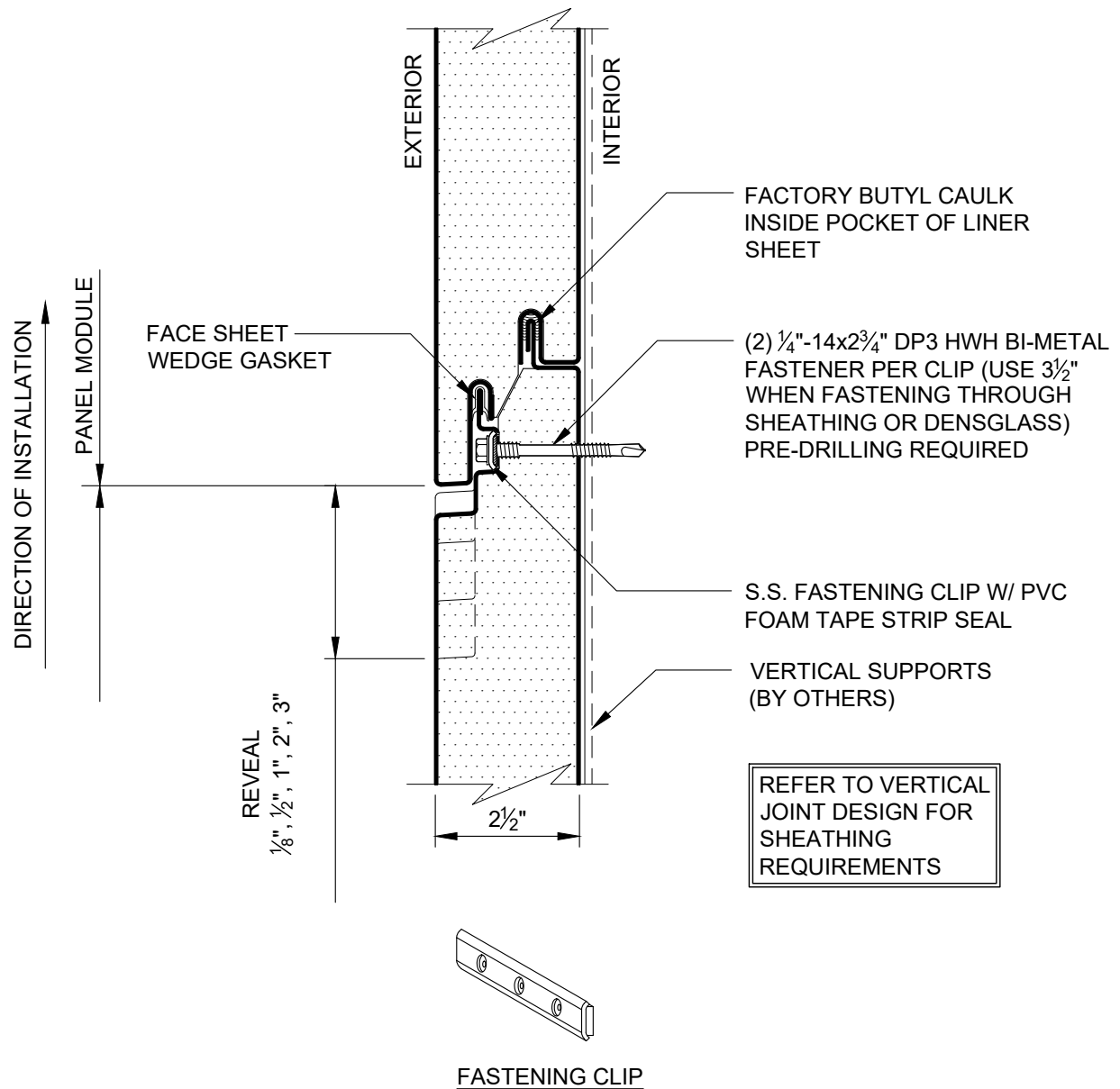
2" VERTICAL
PANEL JOINT MODIFIED
BLOCK SPLINE

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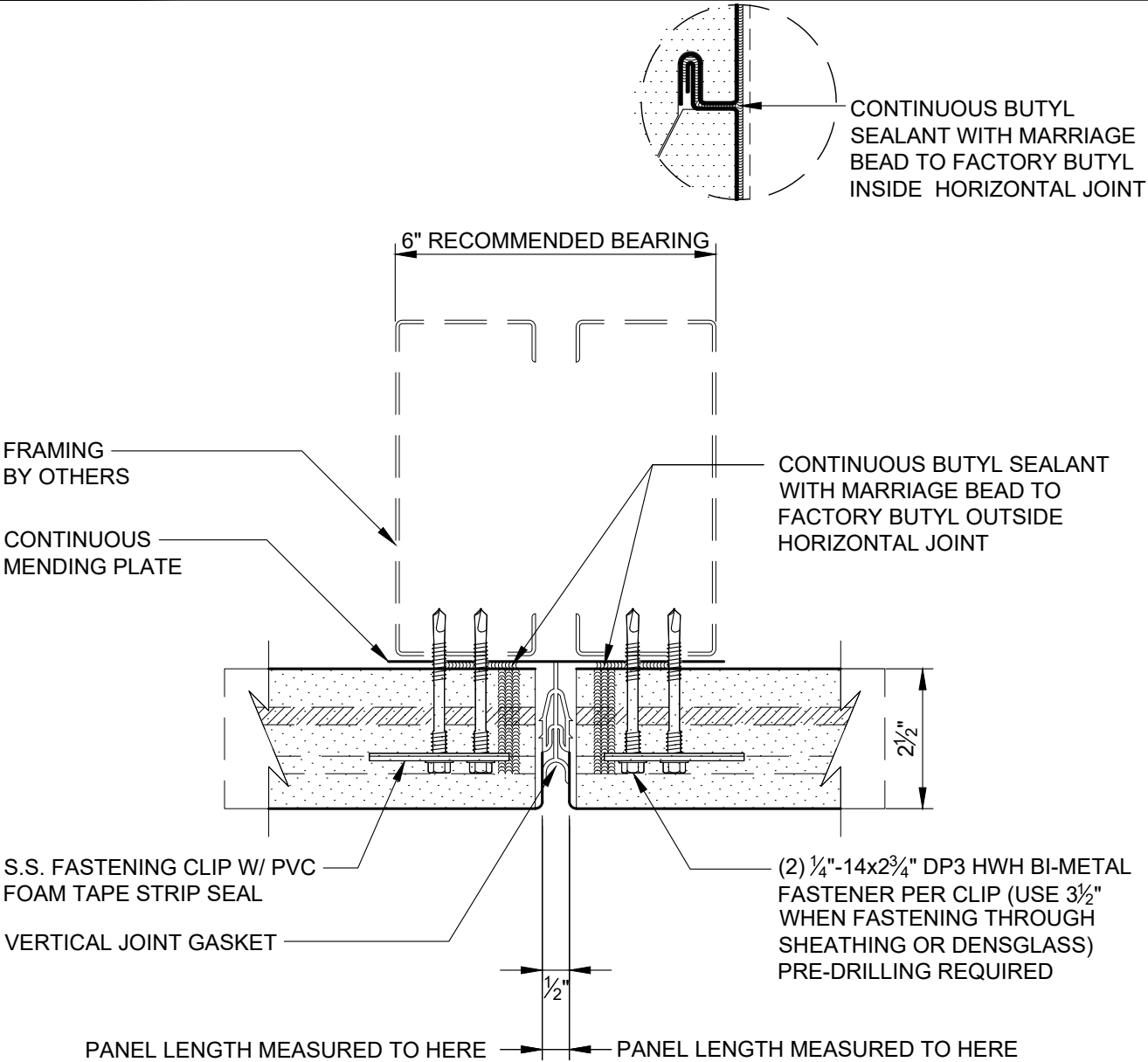
2.5" HORIZONTAL
PANEL JOINT

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NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED

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2.5" VERTICAL
PANEL JOINT
GASKET

DETAIL #: AR-PJ-05a-DW4H

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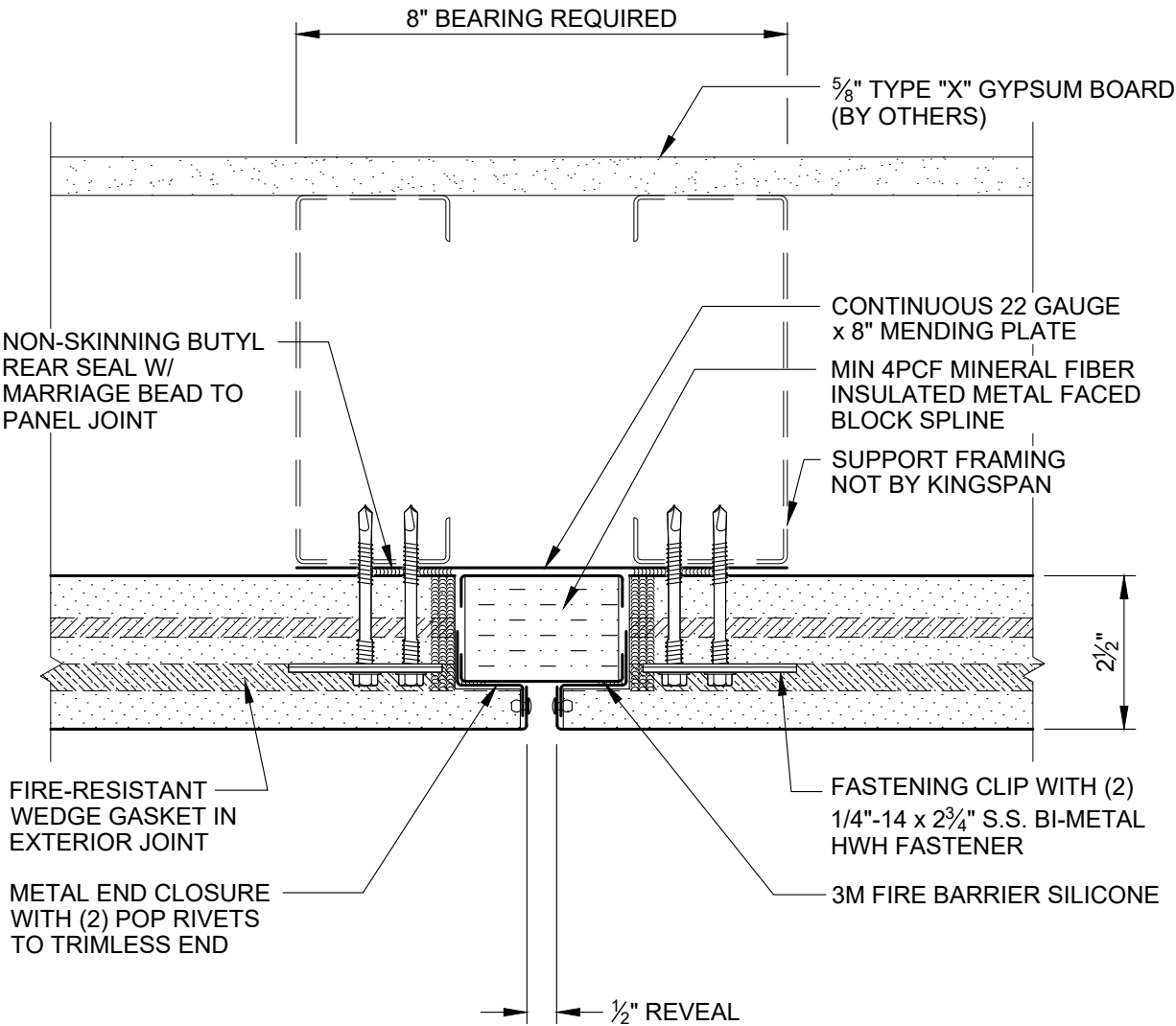


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NOTE:

- MINIMUM MODULE WIDTH = 24".
- 1 LAYER OF 5/8" TYPE "X" GYPSUM BOARD REQUIRED TO CONFORM TO NFPA 285.



NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	5/8" TYPE X WALL BOARD	NO THERMAL BARRIER REQUIRED

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2.5" VERTICAL
PANEL JOINT
BLOCK SPLINE

DETAIL #: AR-PJ-05b-DW4H

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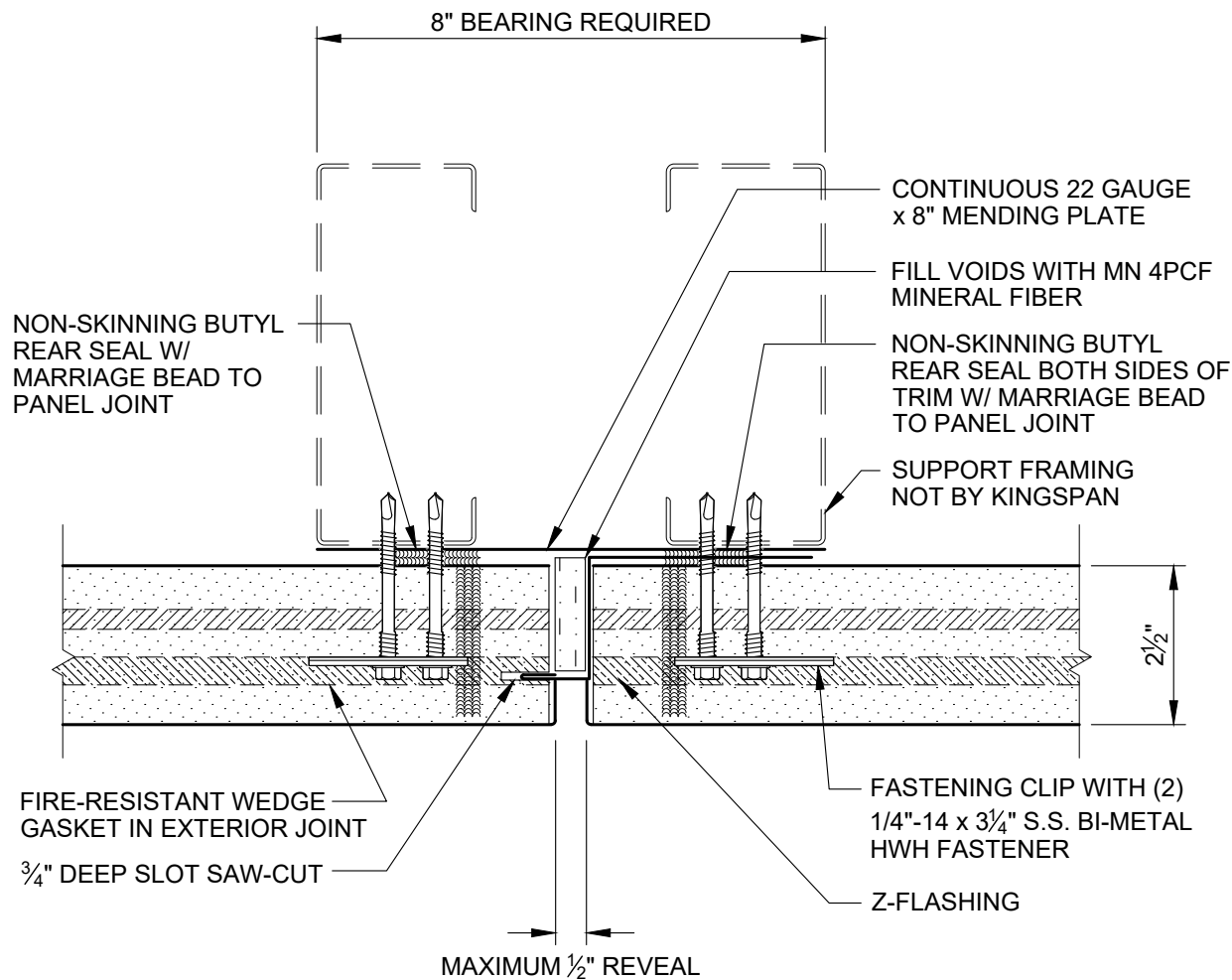
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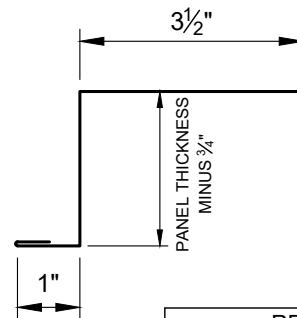
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NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED



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2.5" VERTICAL
PANEL JOINT MODIFIED
BLOCK SPLINE

DETAIL #: AR-PJ-05c-DW4H

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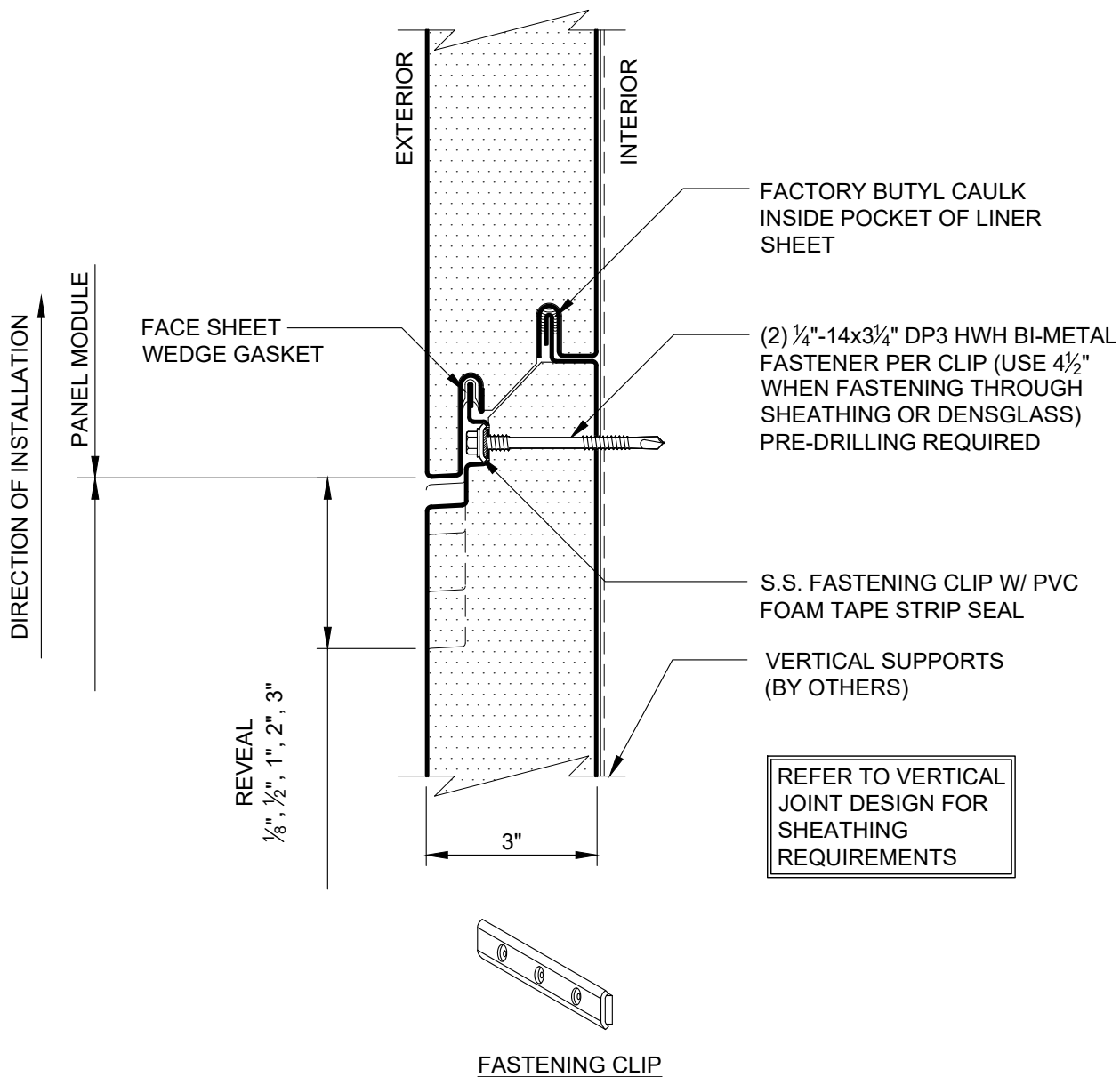
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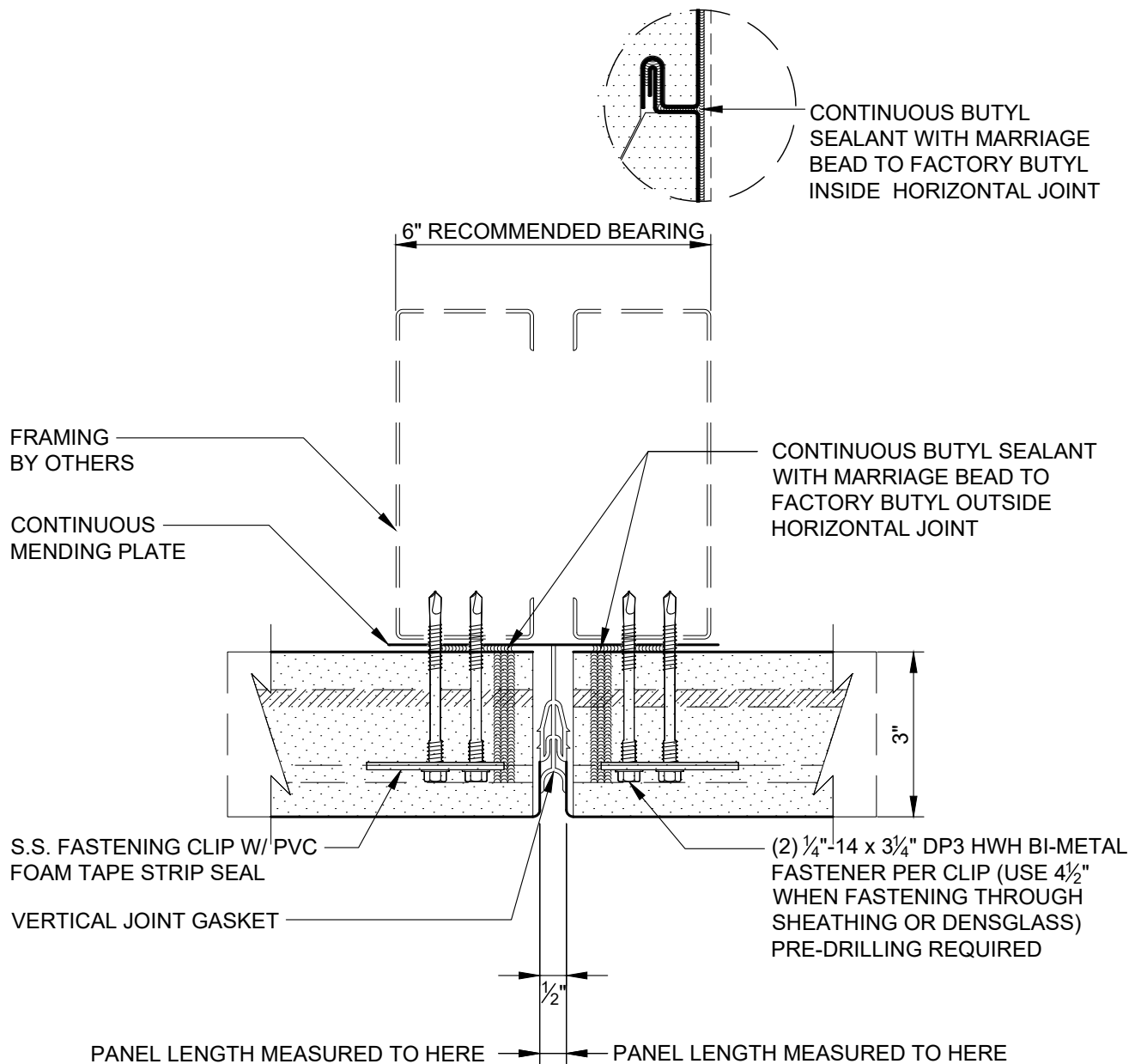
3" HORIZONTAL
PANEL JOINT

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NFPA 285 COMPLIANCE TABLE				
PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED

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3" VERTICAL
PANEL JOINT
GASKET

DETAIL #: AR-PJ-07a-DW4H

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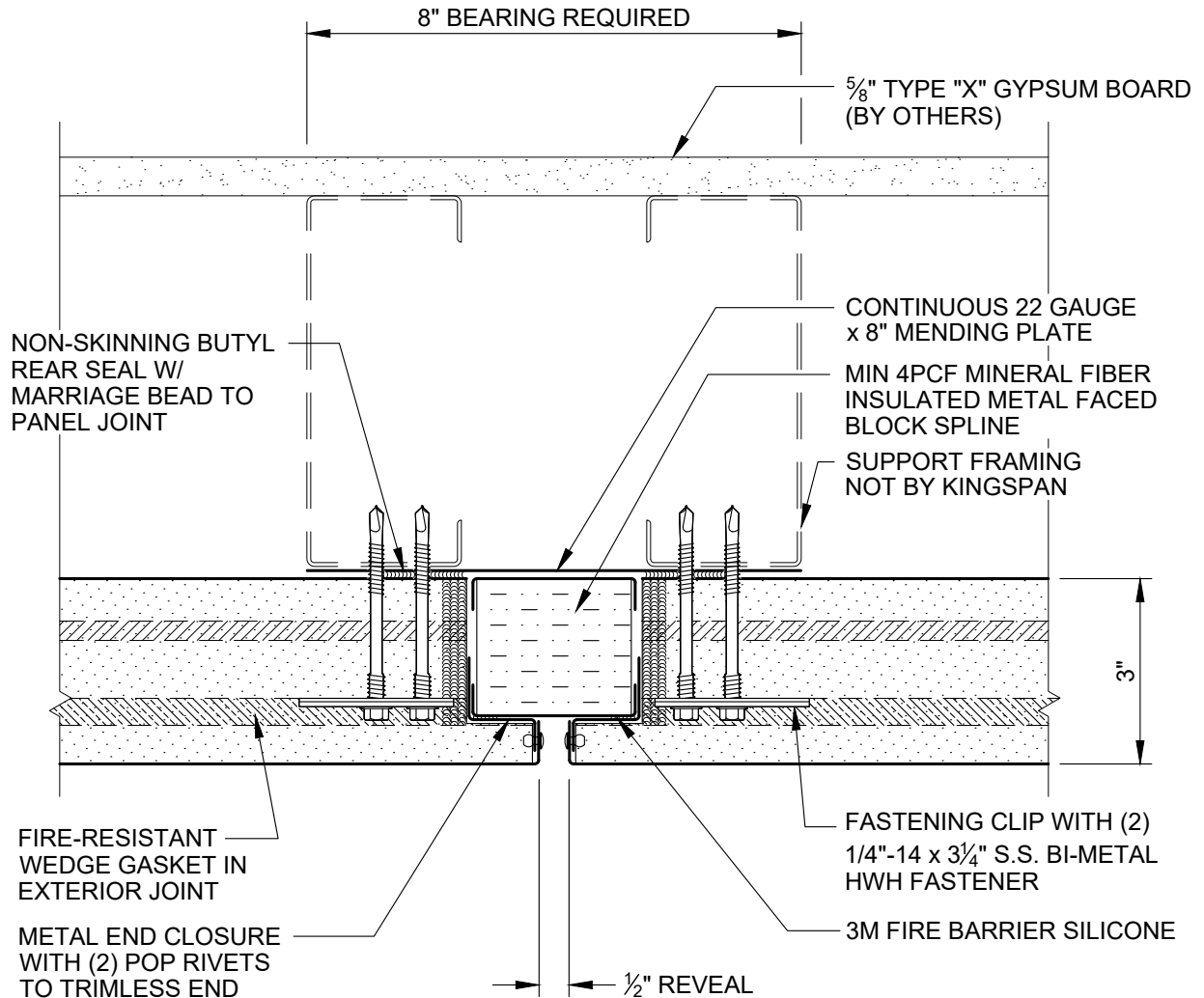
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DW-4000 - HORIZONTAL INSTALLATION

NOTE:

-MINIMUM MODULE WIDTH = 24".

-1 LAYER OF 5/8" TYPE "X" GYPSUM BOARD
REQUIRED TO CONFORM TO NFPA 285.



NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	5/8" TYPE X WALL BOARD	NO THERMAL BARRIER REQUIRED

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3" VERTICAL
PANEL JOINT
BLOCK SPLINE

DETAIL #: AR-PJ-07b-DW4H

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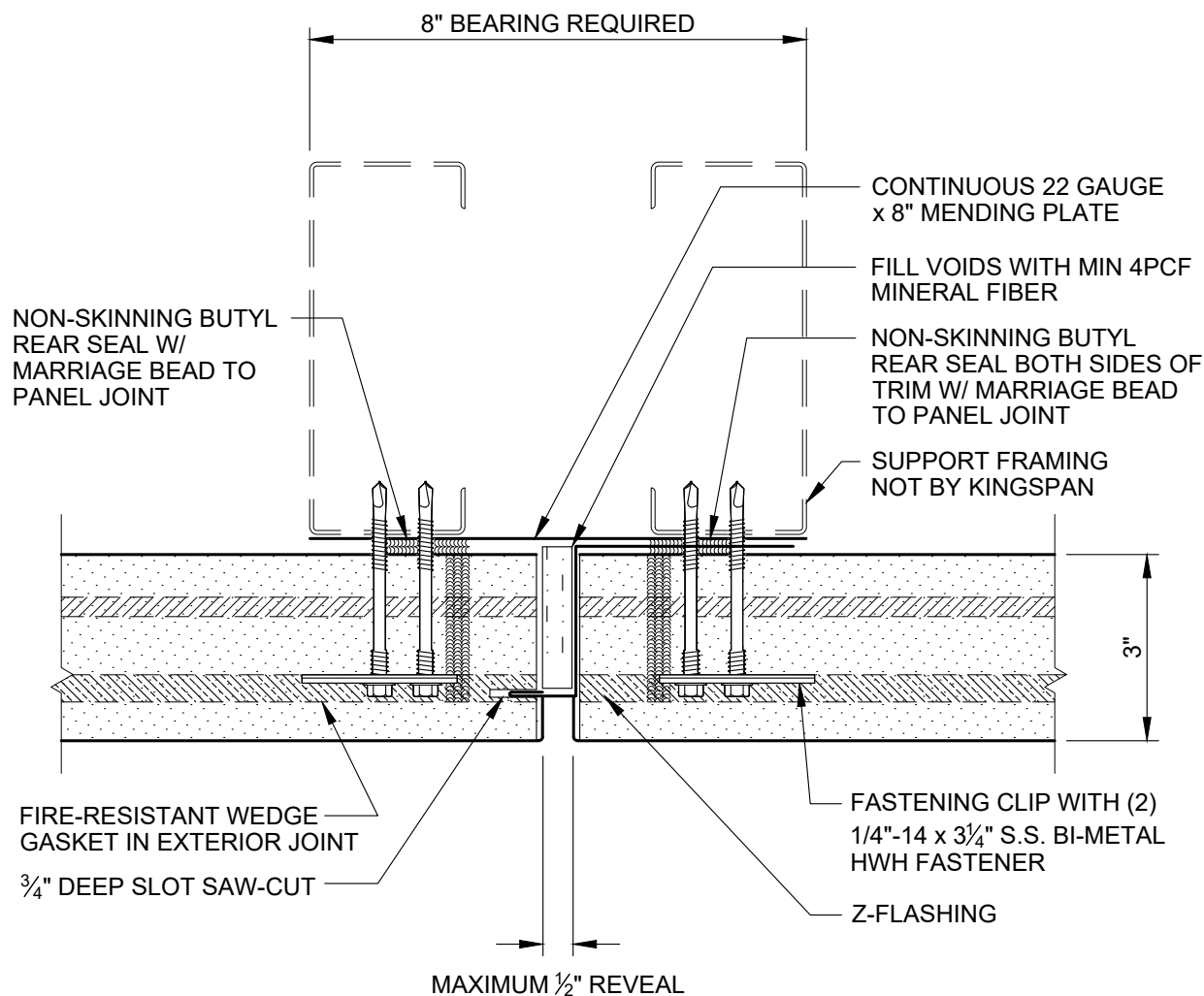
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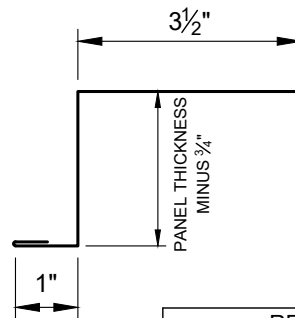


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NFPA 285 COMPLIANCE TABLE				
PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED



REVISION	
REVISION #	DATE
2	12/08/23

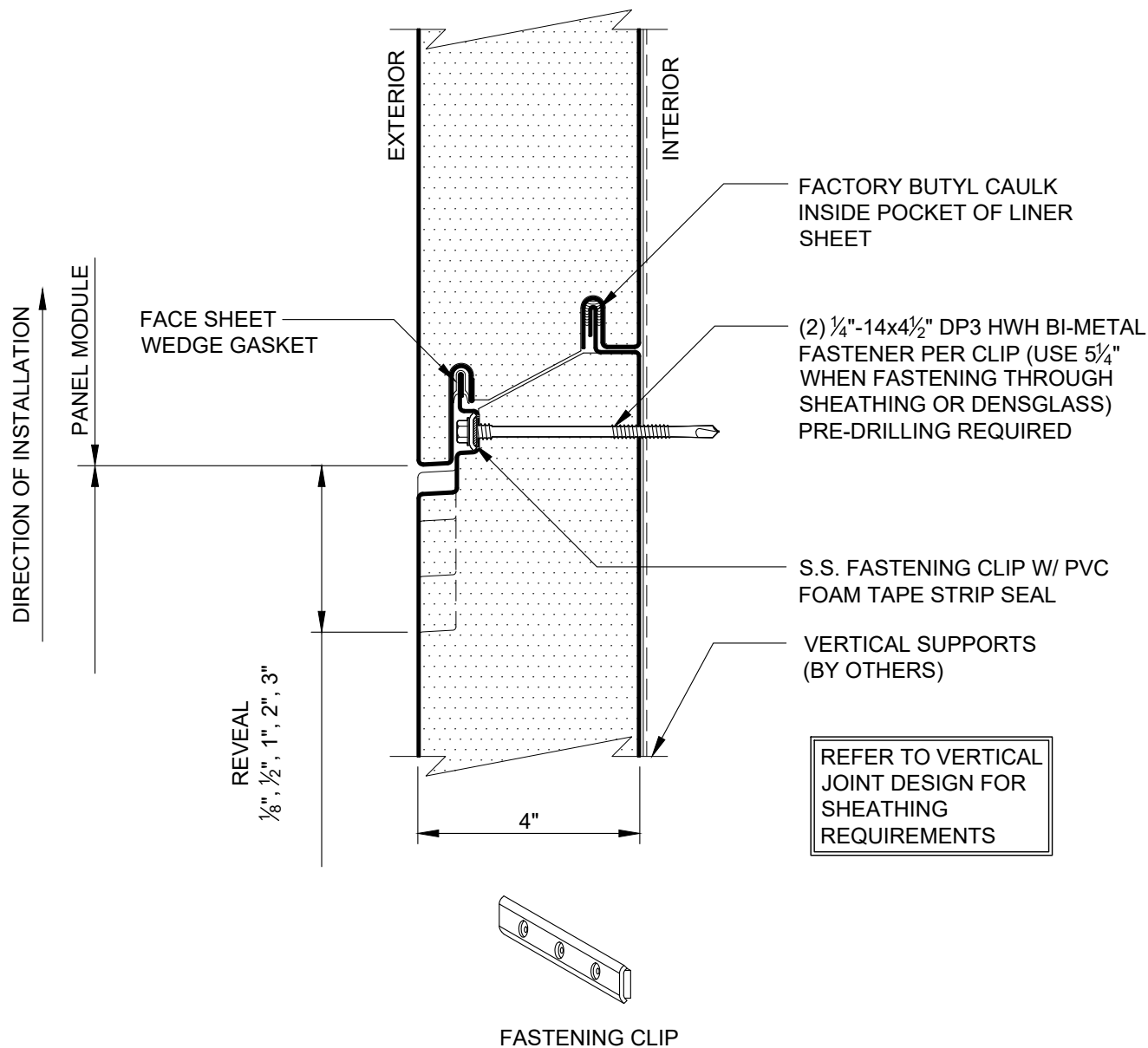
3" VERTICAL
PANEL JOINT MODIFIED
BLOCK SPLINE

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4\" HORIZONTAL
PANEL JOINT

DETAIL #: AR-PJ-08-DW4H

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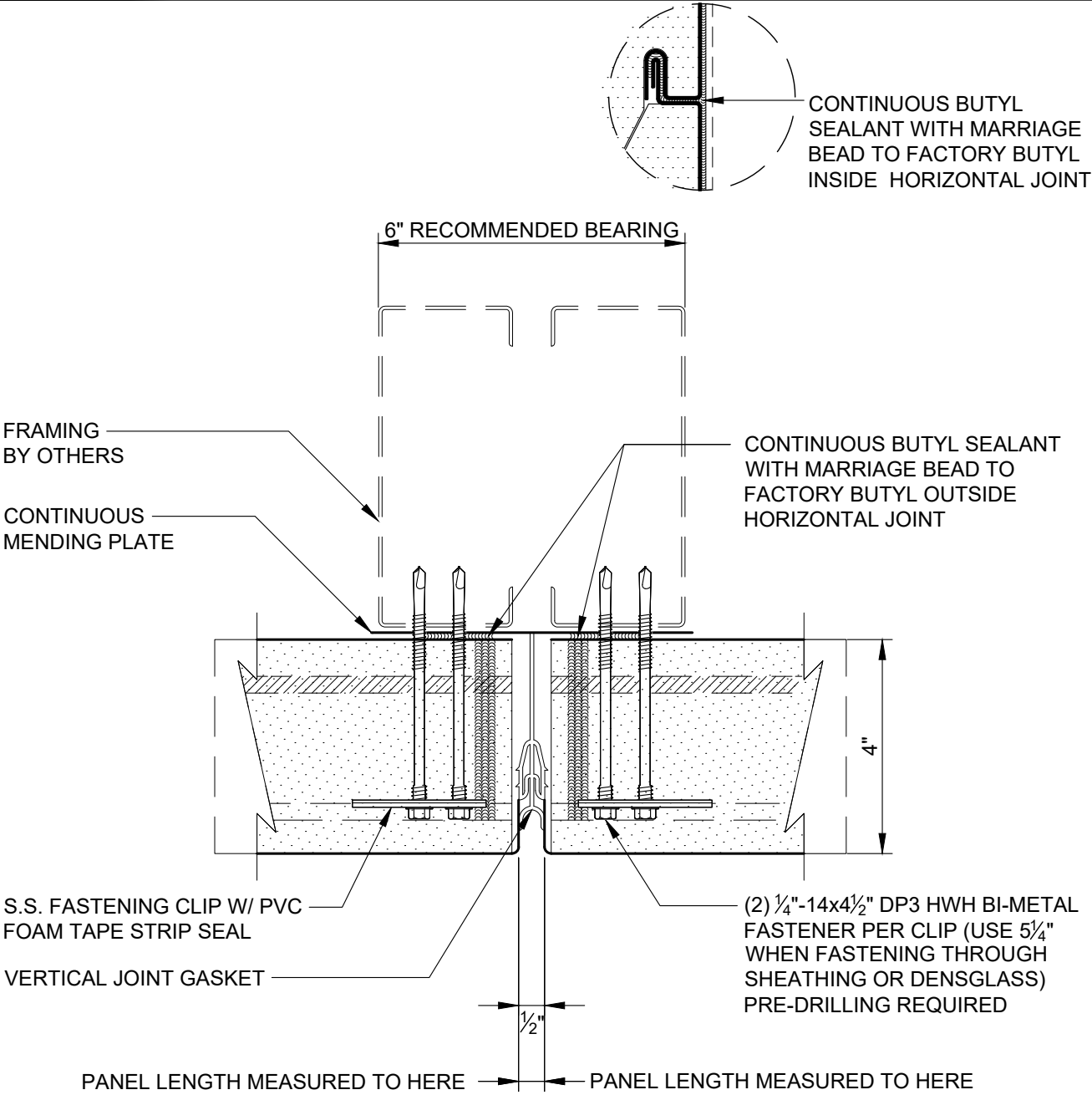
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NFPA 285 COMPLIANCE TABLE				
PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED

REVISION	
REVISION #	DATE
2	12/08/23

4" VERTICAL
PANEL JOINT
GASKET

DETAIL #: AR-PJ-09a-DW4H
RELEASE: 2024
REGION: NORTH AMERICA
www.kingspanpanels.com

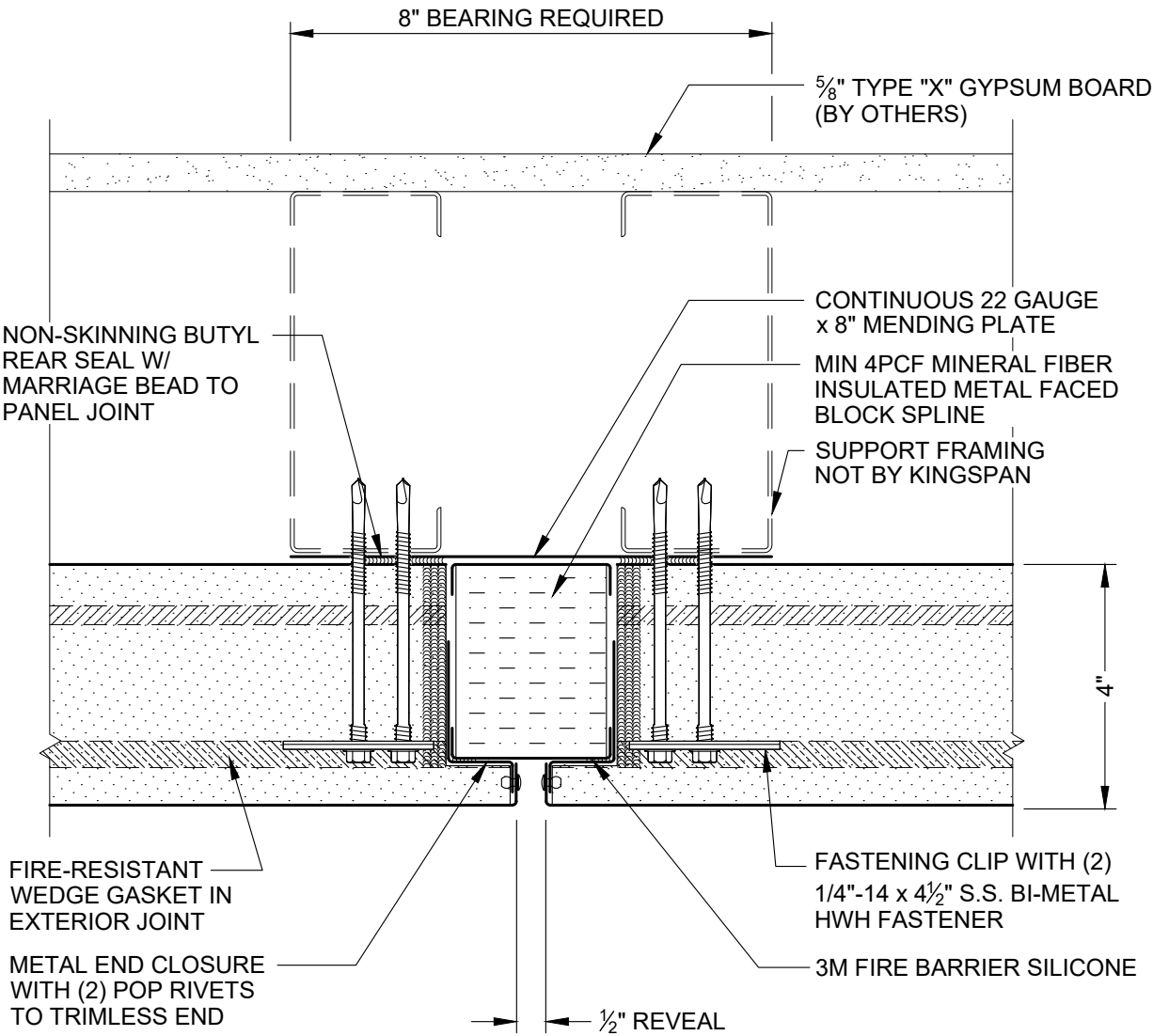


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DW-4000 - HORIZONTAL INSTALLATION

NOTE:

- MINIMUM MODULE WIDTH = 24".
- 1 LAYER OF 5/8" TYPE "X" GYPSUM BOARD REQUIRED TO CONFORM TO NFPA 285.



NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	5/8" TYPE X WALL BOARD	NO THERMAL BARRIER REQUIRED

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4" VERTICAL
PANEL JOINT
BLOCK SPLINE

DETAIL #: AR-PJ-09b-DW4H

RELEASE: 2024

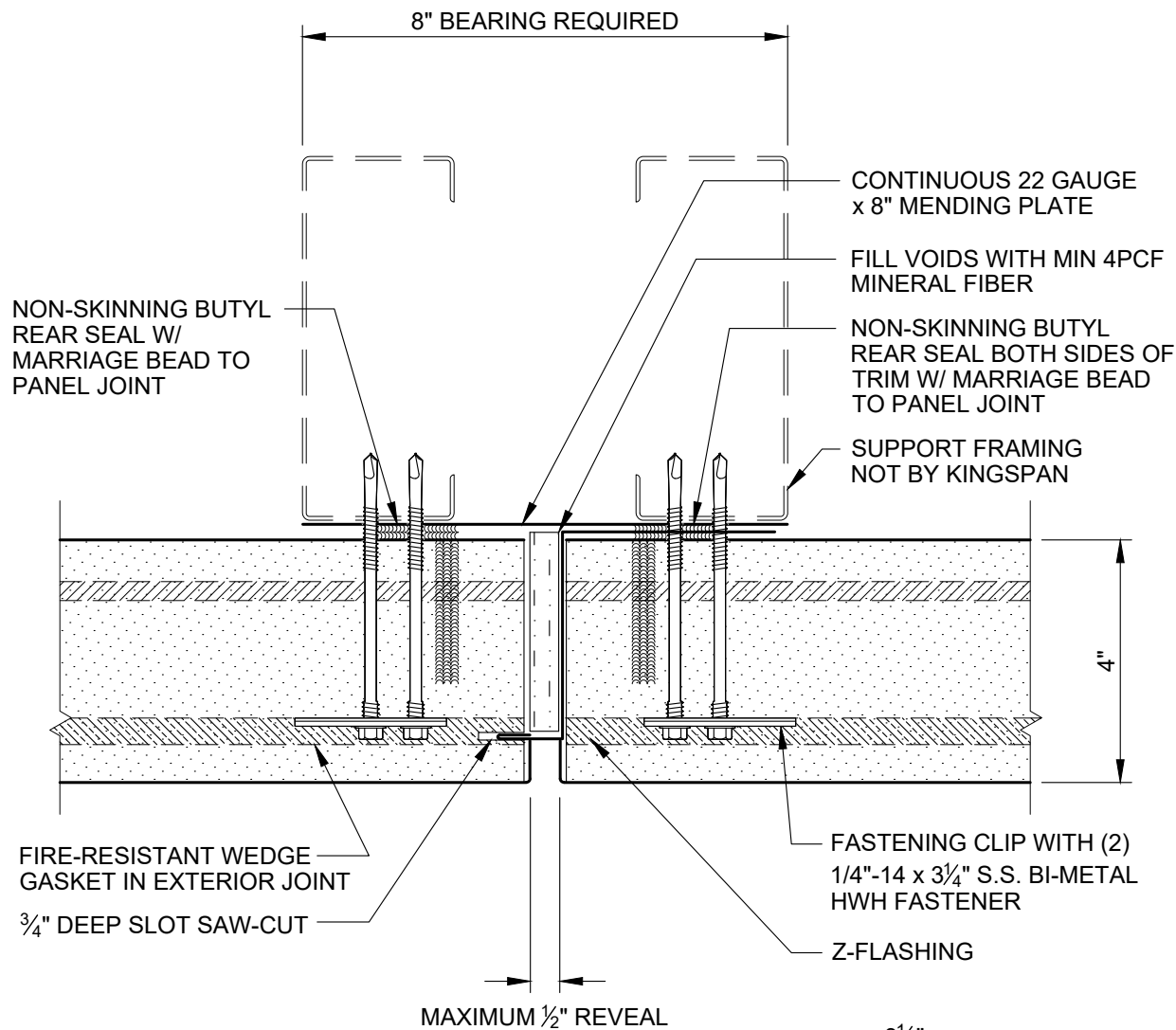
REGION: NORTH AMERICA

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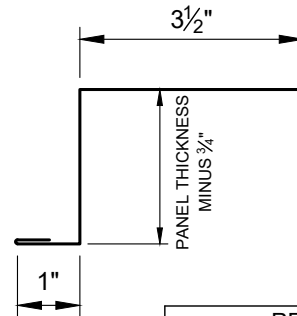
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NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED



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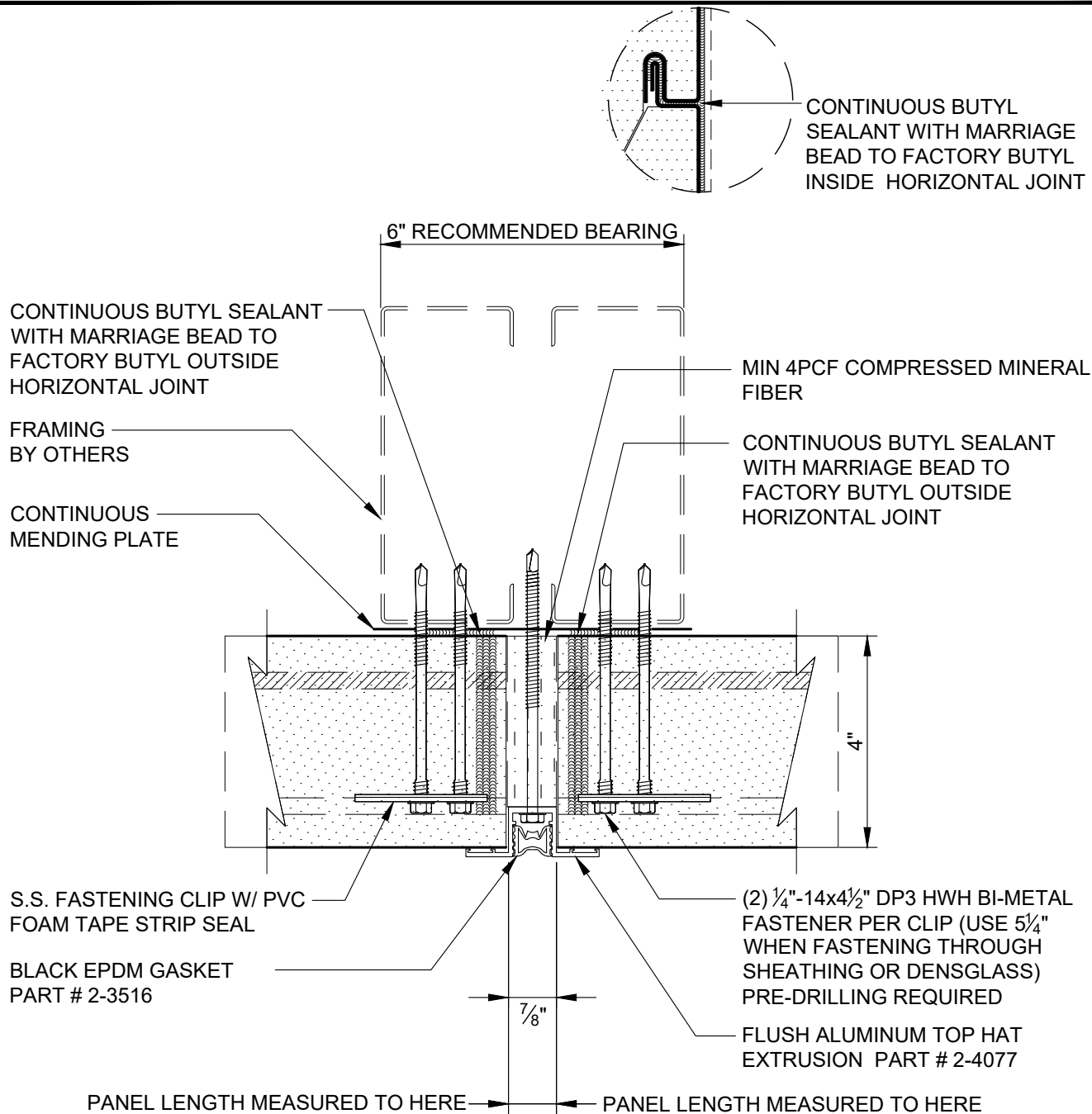
4" VERTICAL
PANEL JOINT MODIFIED
BLOCK SPLINE

DETAIL #: AR-PJ-09c-DW4H
RELEASE: 2024
REGION: NORTH AMERICA
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NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED

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2	12/08/23

VERTICAL PANEL JOINT
EXTRUSION - FLUSH
EPDM GASKET

DETAIL #: AR-PJ-10a-DW4H

RELEASE: 2024

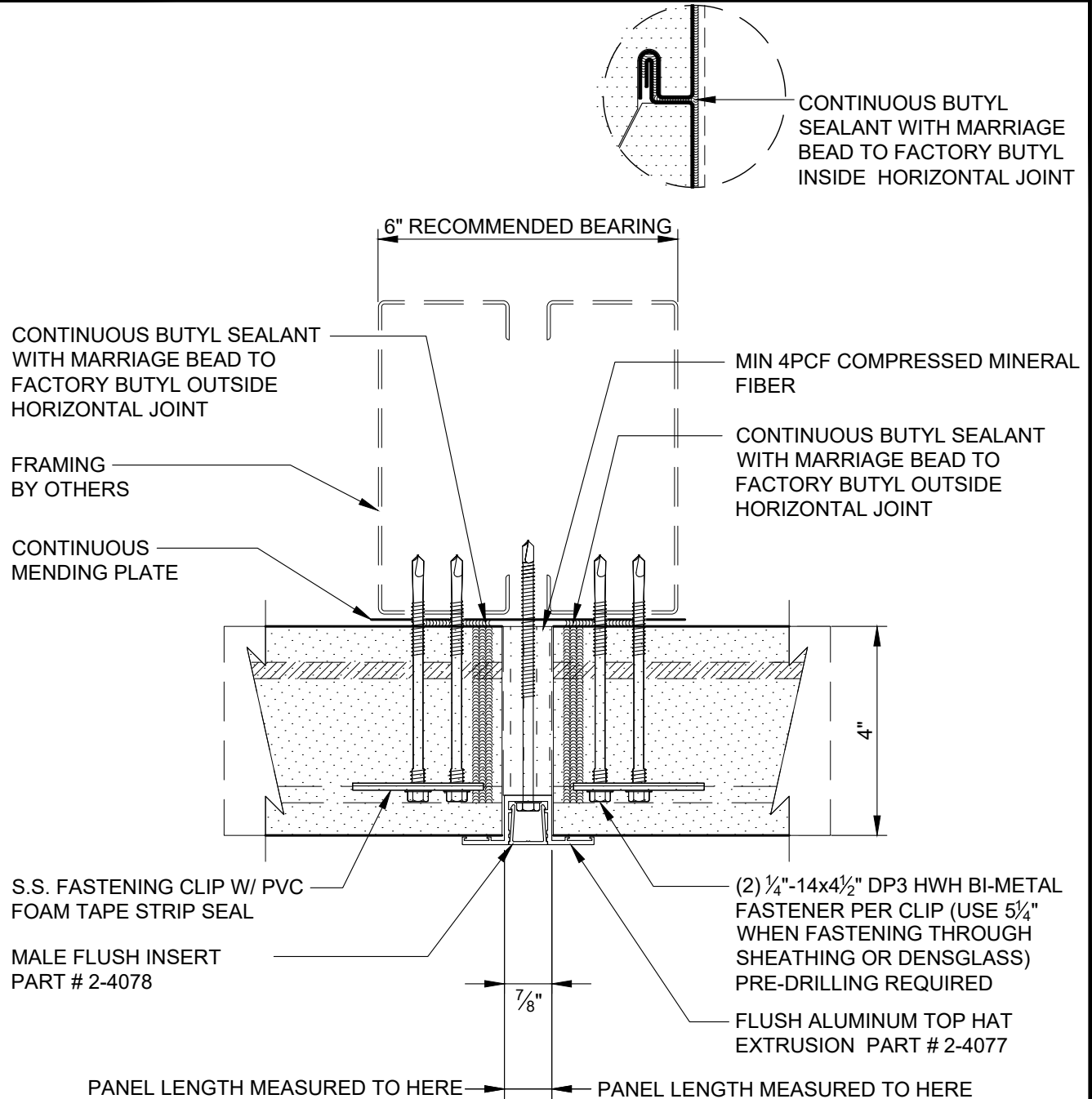
REGION: NORTH AMERICA

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NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED

REVISION

REVISION #	DATE
2	12/08/23

VERTICAL PANEL JOINT
EXTRUSION - FLUSH

DETAIL #: AR-PJ-10b-DW4H

RELEASE: 2024

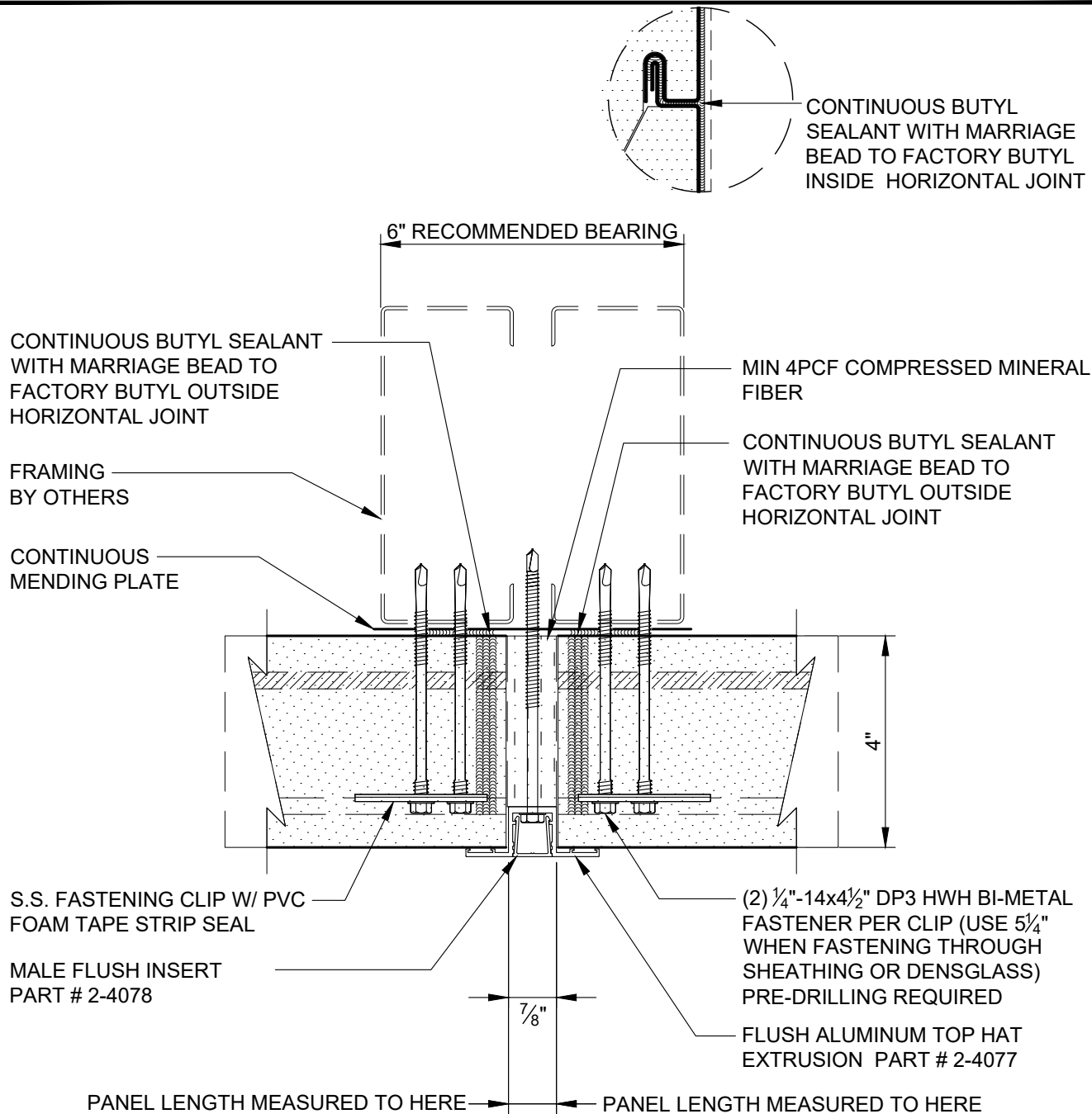
REGION: NORTH AMERICA

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NFPA 285 COMPLIANCE TABLE

PANEL TYPE	CORE	LEAST PANEL WIDTH	THERMAL BARRIER (WALL)	THERMAL BARRIER (HEAD /SILL/JAMB/STACK JOINT)
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	< 24"	NON-COMPLIANT PANEL	NON-COMPLIANT PANEL
DESIGNWALL 4000 (HORIZONTAL)	QUADCORE	≥ 24"	NOT REQUIRED	NO THERMAL BARRIER REQUIRED

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REVISION #	DATE
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VERTICAL PANEL JOINT
EXTRUSION -
RECESSED

DETAIL #: AR-PJ-10c-DW4H

RELEASE: 2024

REGION: NORTH AMERICA

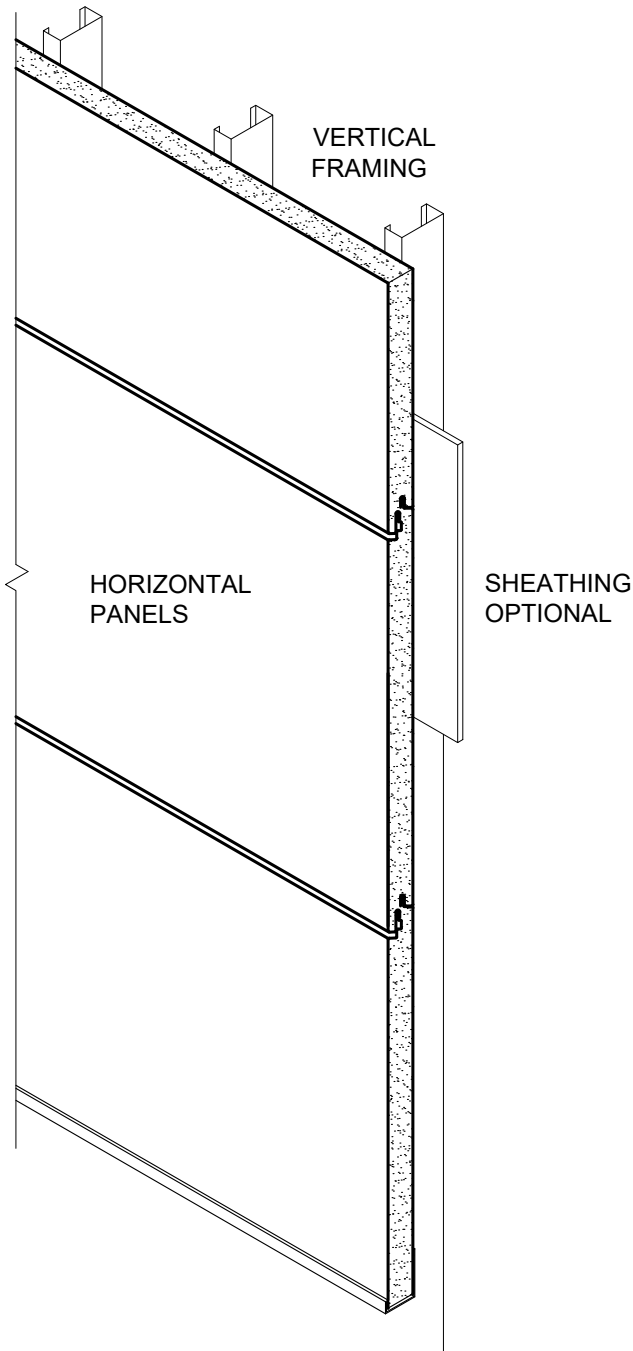
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ALWAYS ATTACH HORIZONTAL PANELS TO
VERTICALLY ORIENTED SUPPORTS



REVISION	
REVISION #	DATE
0	5/16/22

PANELS OVER METAL
STUDS

DETAIL #: AR-PJ-10-DW4H

RELEASE: 2024

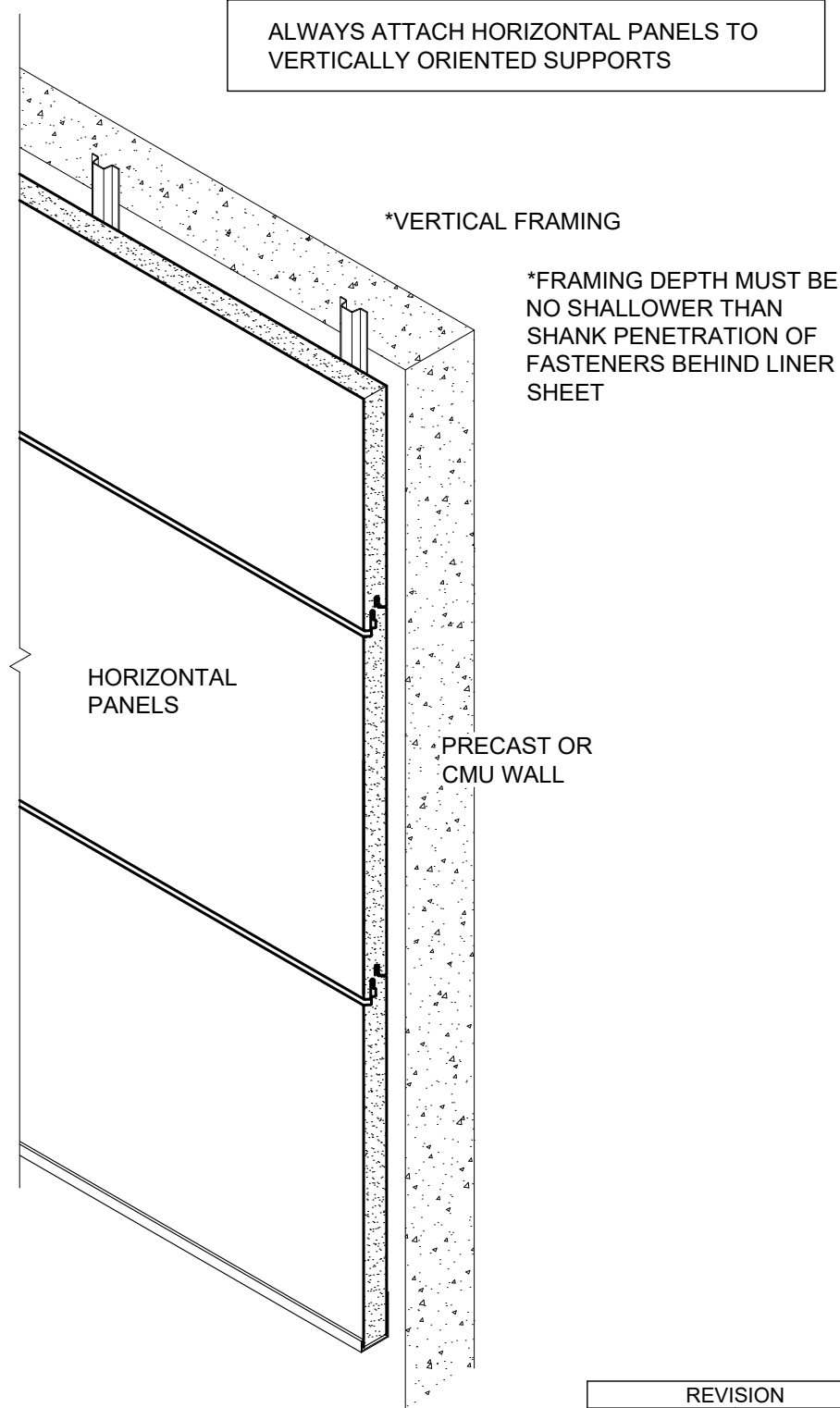
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REVISION #	DATE
0	5/16/22

PANELS OVER
CONCRETE

DETAIL #: AR-PJ-12-DW4H

RELEASE: 2024

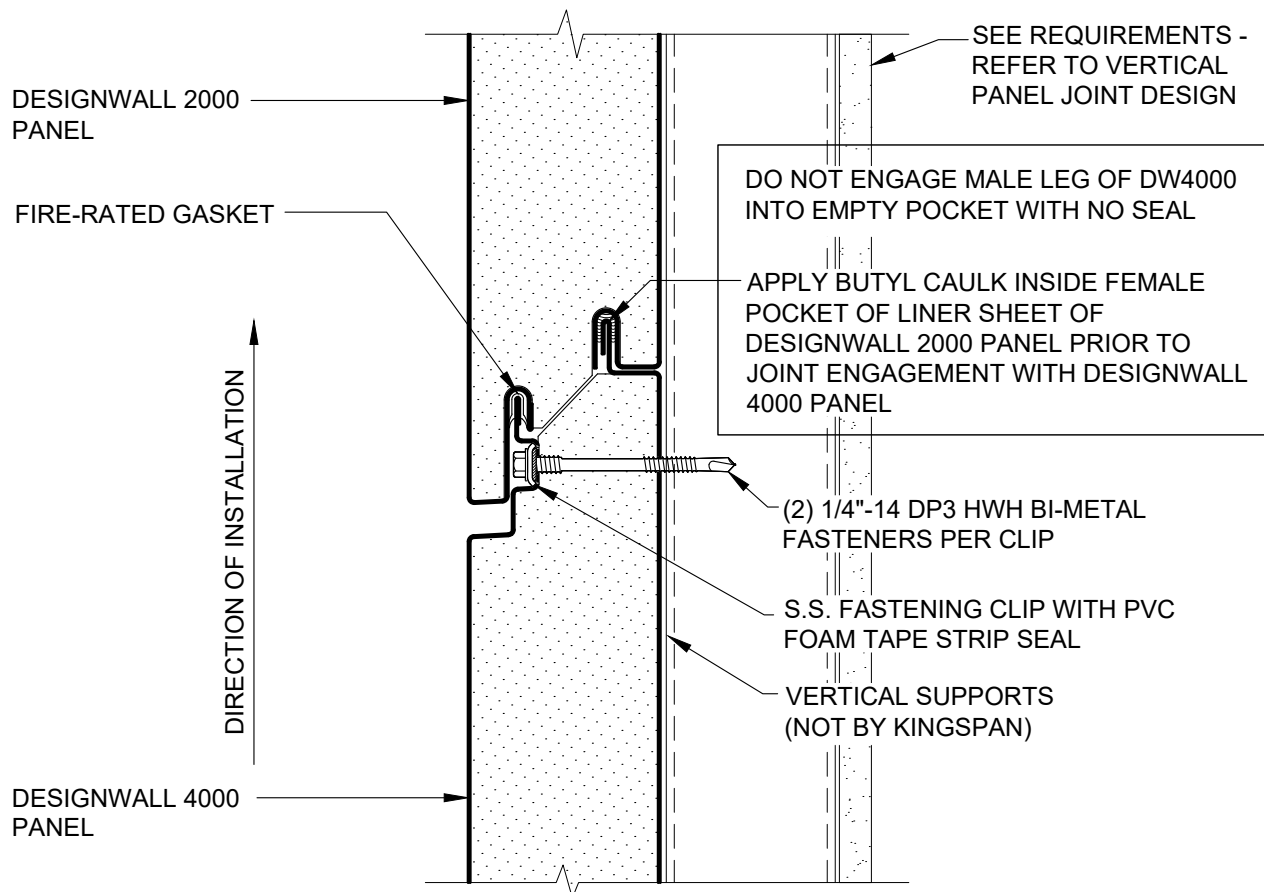
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DW2000 TO DW4000

DETAIL #: AR-PJ-13-DW4H

RELEASE: 2024

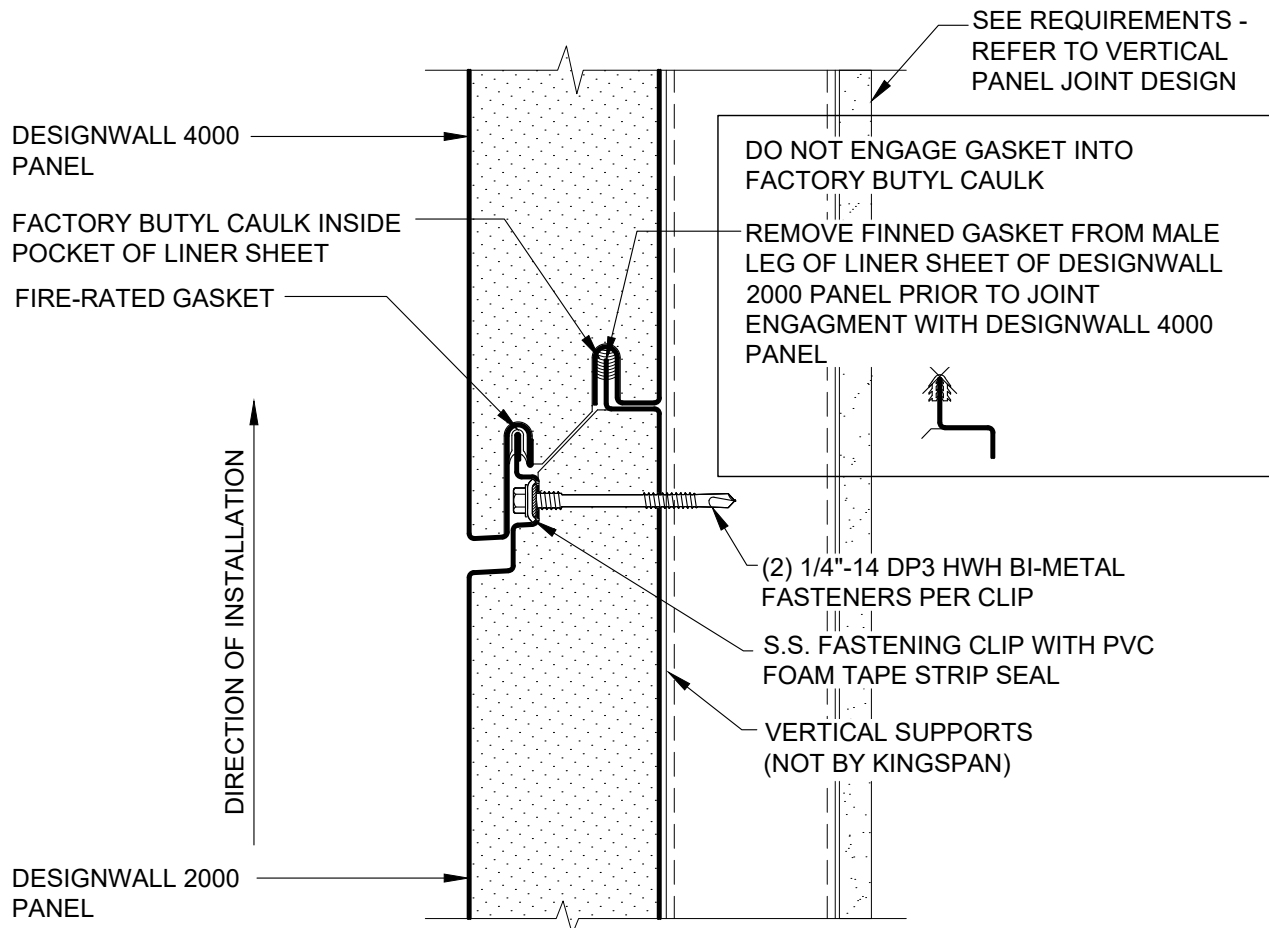
REGION: NORTH AMERICA

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DW2000 TO DW4000

DETAIL #: AR-PJ-14-DW4H

RELEASE: 2024

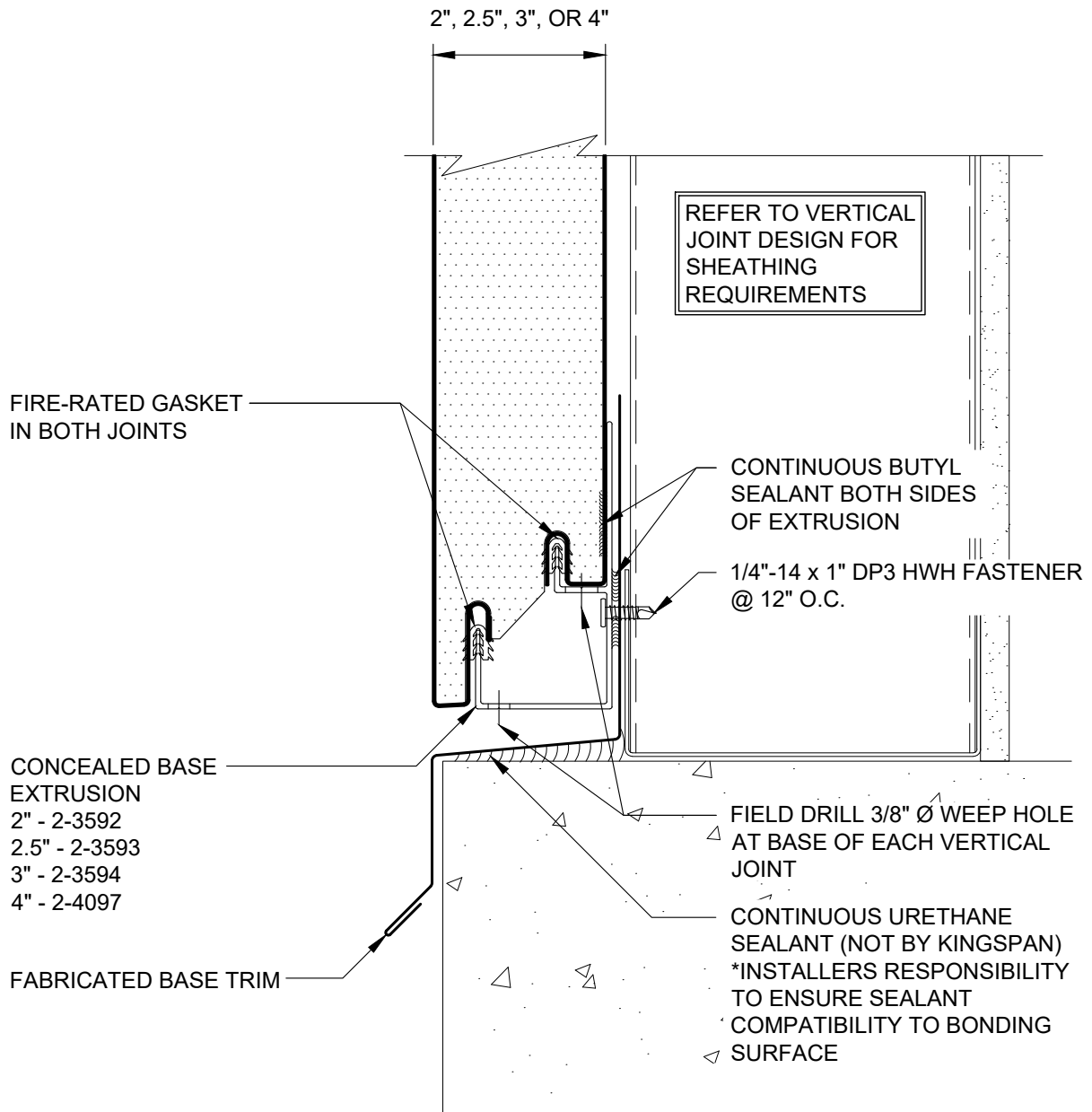
REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
4	1/8/24

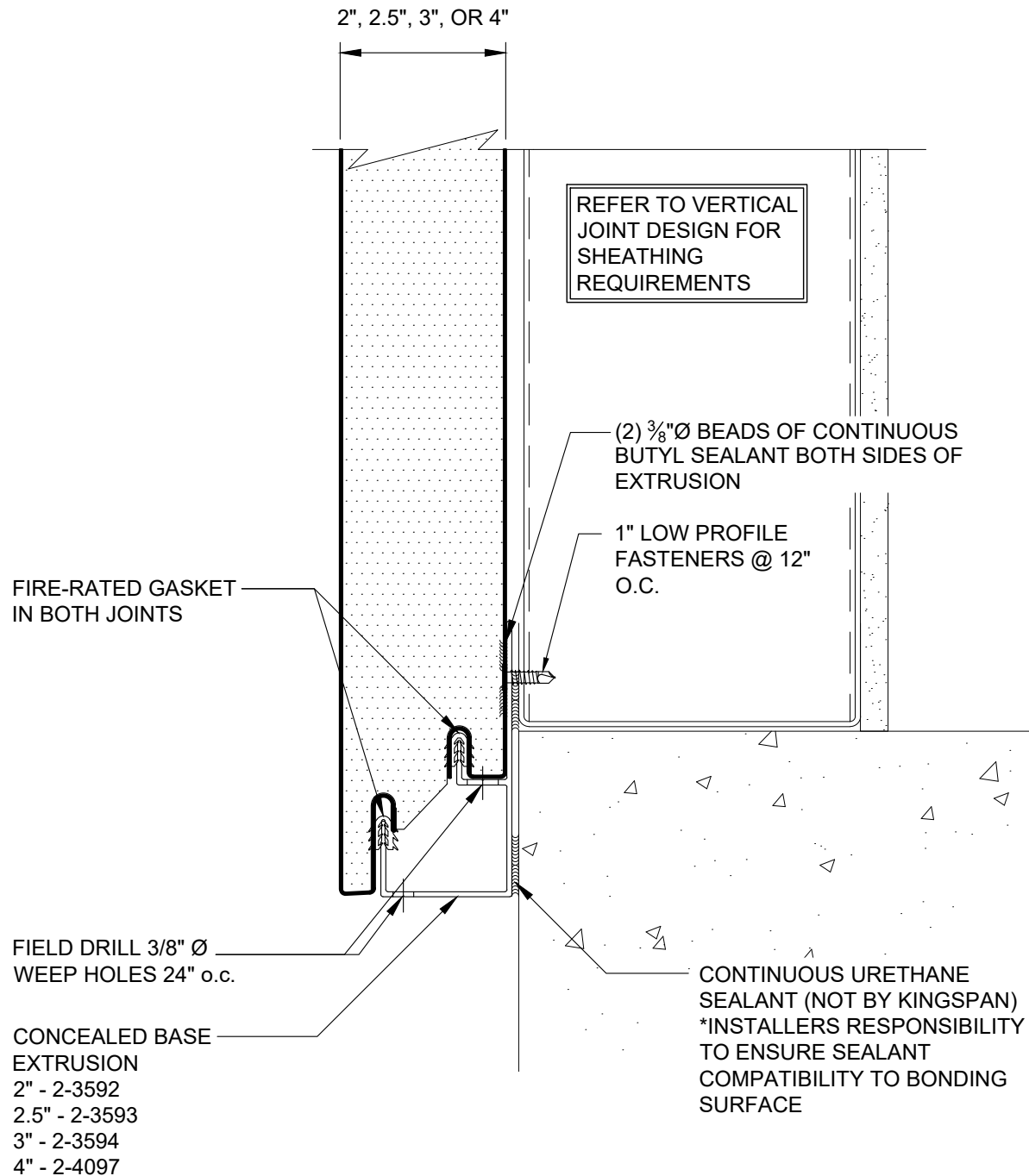
BASE -JOINT- ON SLAB
CONCEALED BASE
EXTRUSION

DETAIL #: AR-BS-01-DW4H
RELEASE: 2024
REGION: NORTH AMERICA
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4	1/8/24

BASE -JOINT- BY-PASS
SLAB CONCEALED
BASE EXTRUSION

DETAIL #: AR-BS-02-DW4H

RELEASE: 2024

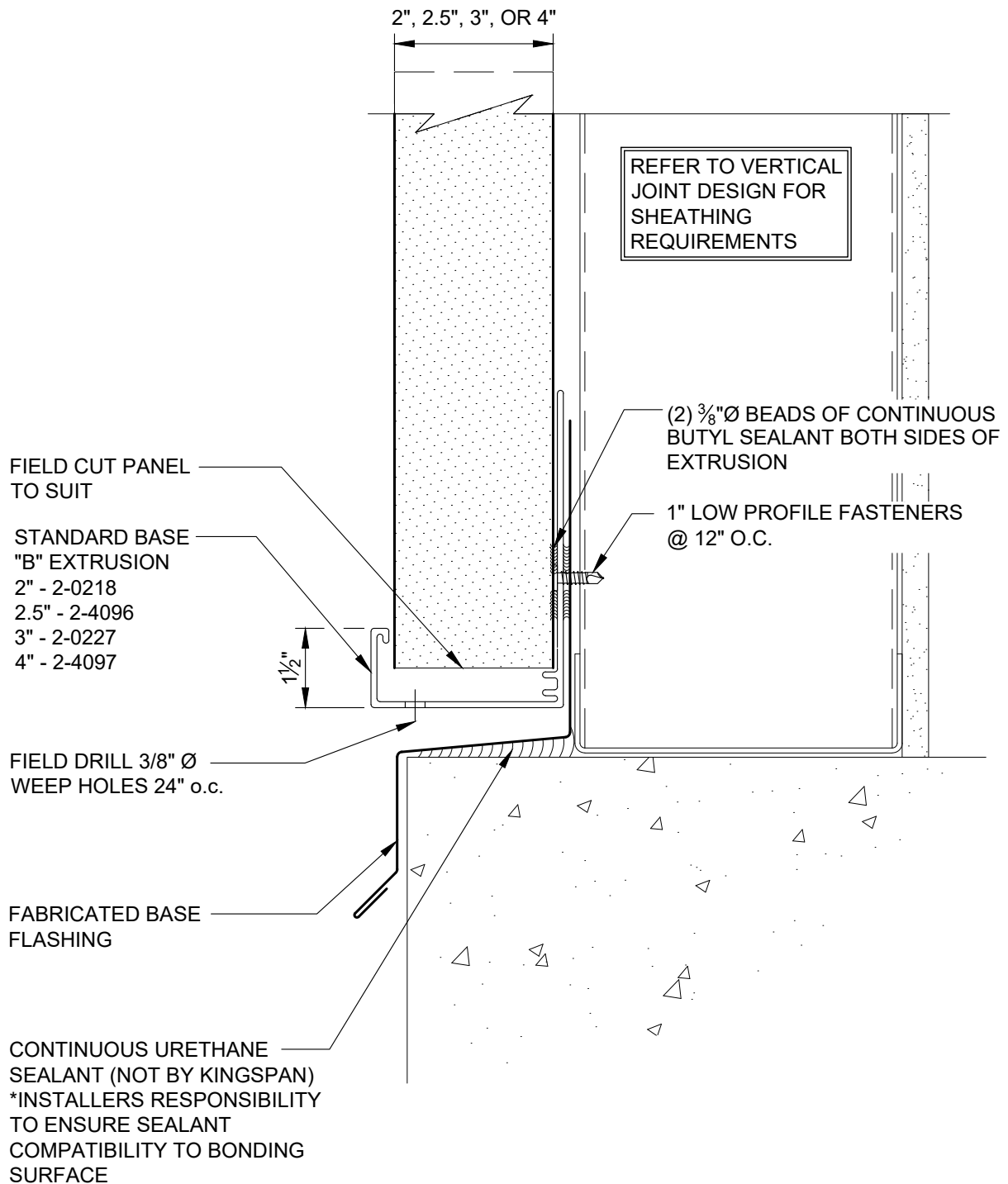
REGION: NORTH AMERICA

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REVISION #	DATE
4	1/8/24

BASE -CUT- ON SLAB
STANDARD BASE "B"
EXTRUSION

DETAIL #: AR-BS-03-DW4H

RELEASE: 2024

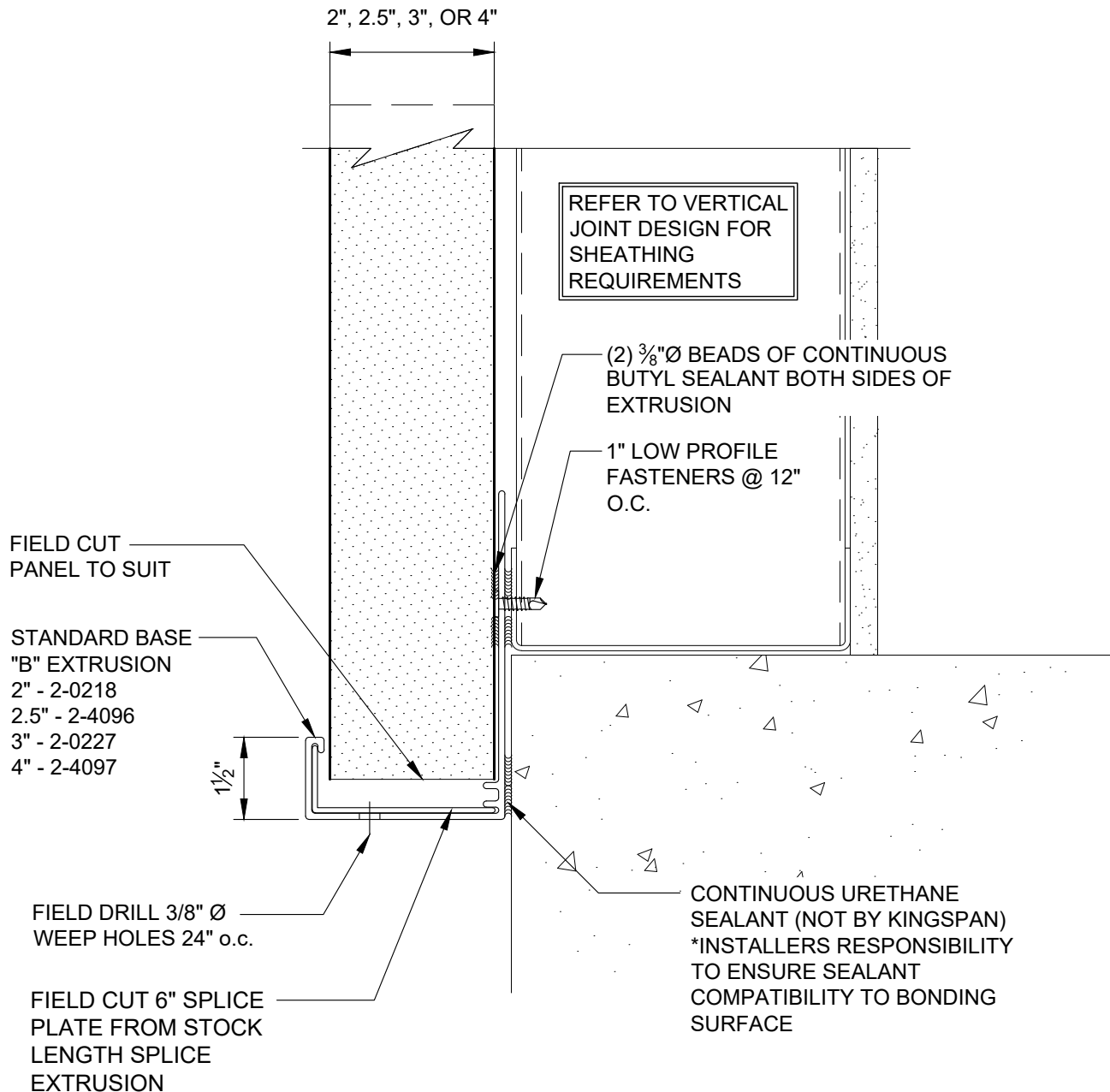
REGION: NORTH AMERICA

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REVISION #	DATE
4	1/8/24

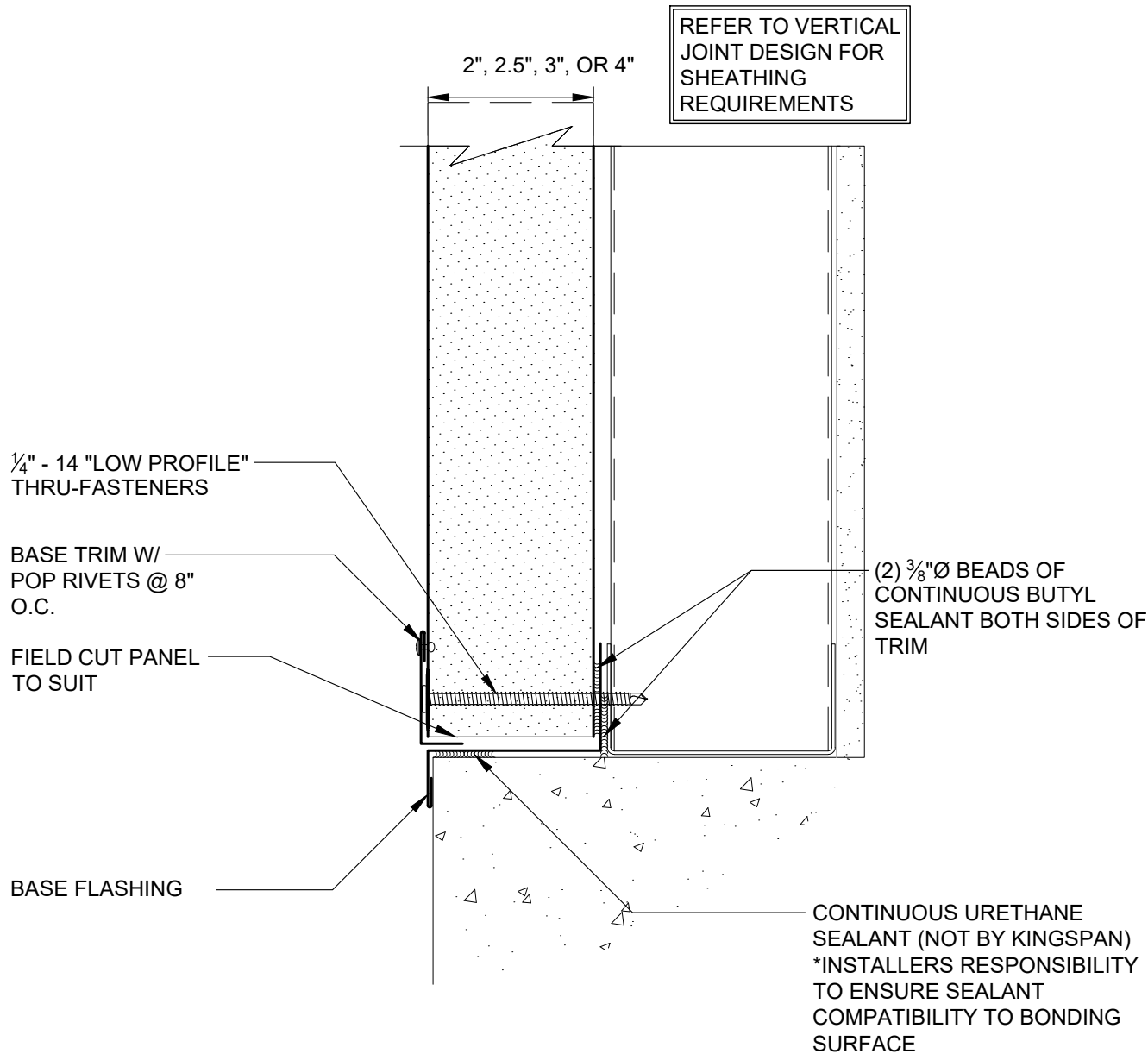
BASE -CUT- BYPASS
STANDARD BASE "B"
EXTRUSION

DETAIL #: AR-BS-04-DW4H
RELEASE: 2024
REGION: NORTH AMERICA
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REVISION #	DATE
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BASE -CUT- ON SLAB
TRIM

DETAIL #: AR-BS-05-DW4H

RELEASE: 2024

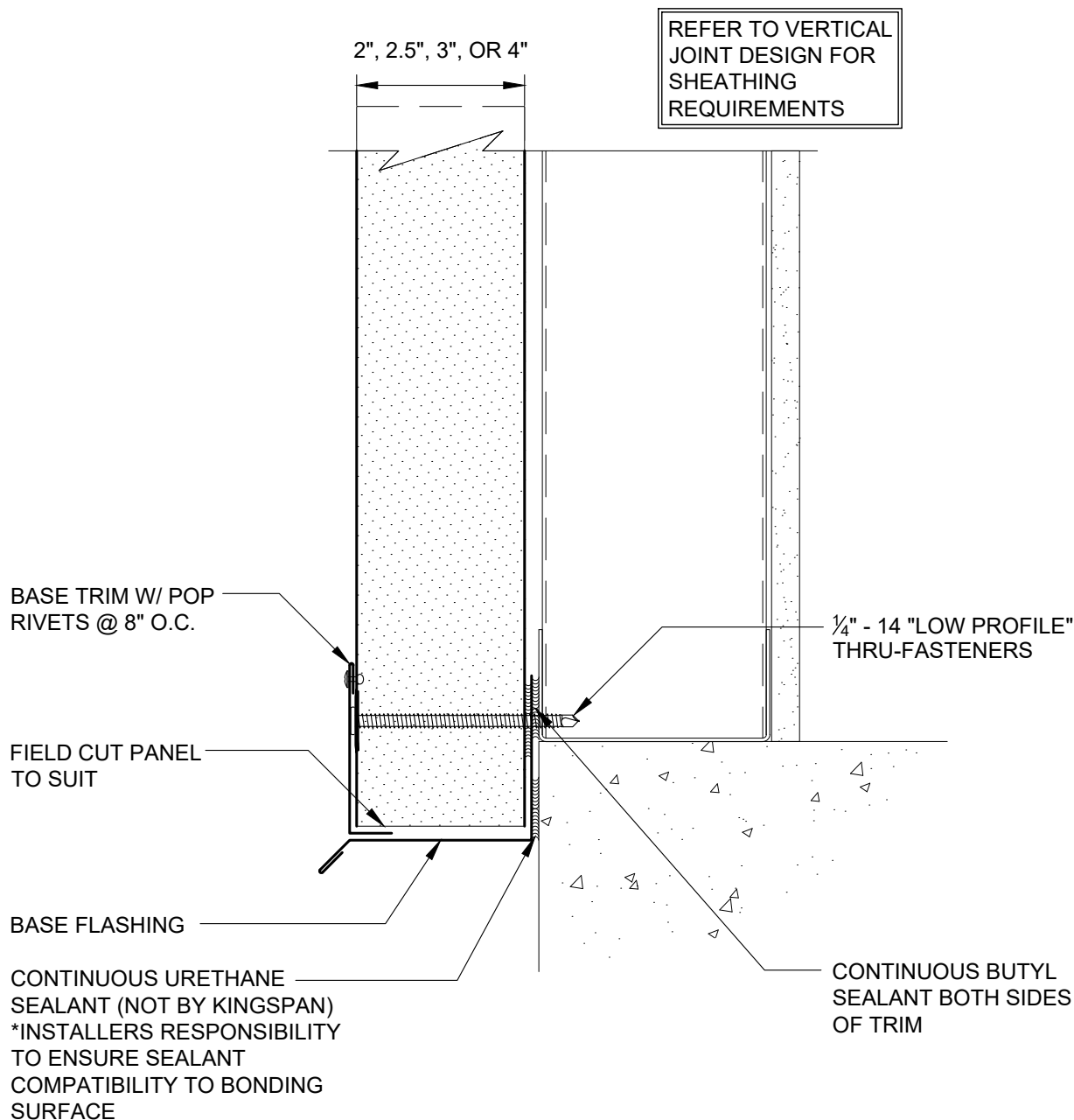
REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
4	1/8/24

BASE -CUT- BYPASS
SLAB TRIM

DETAIL #: AR-BS-06-DW4H

RELEASE: 2024

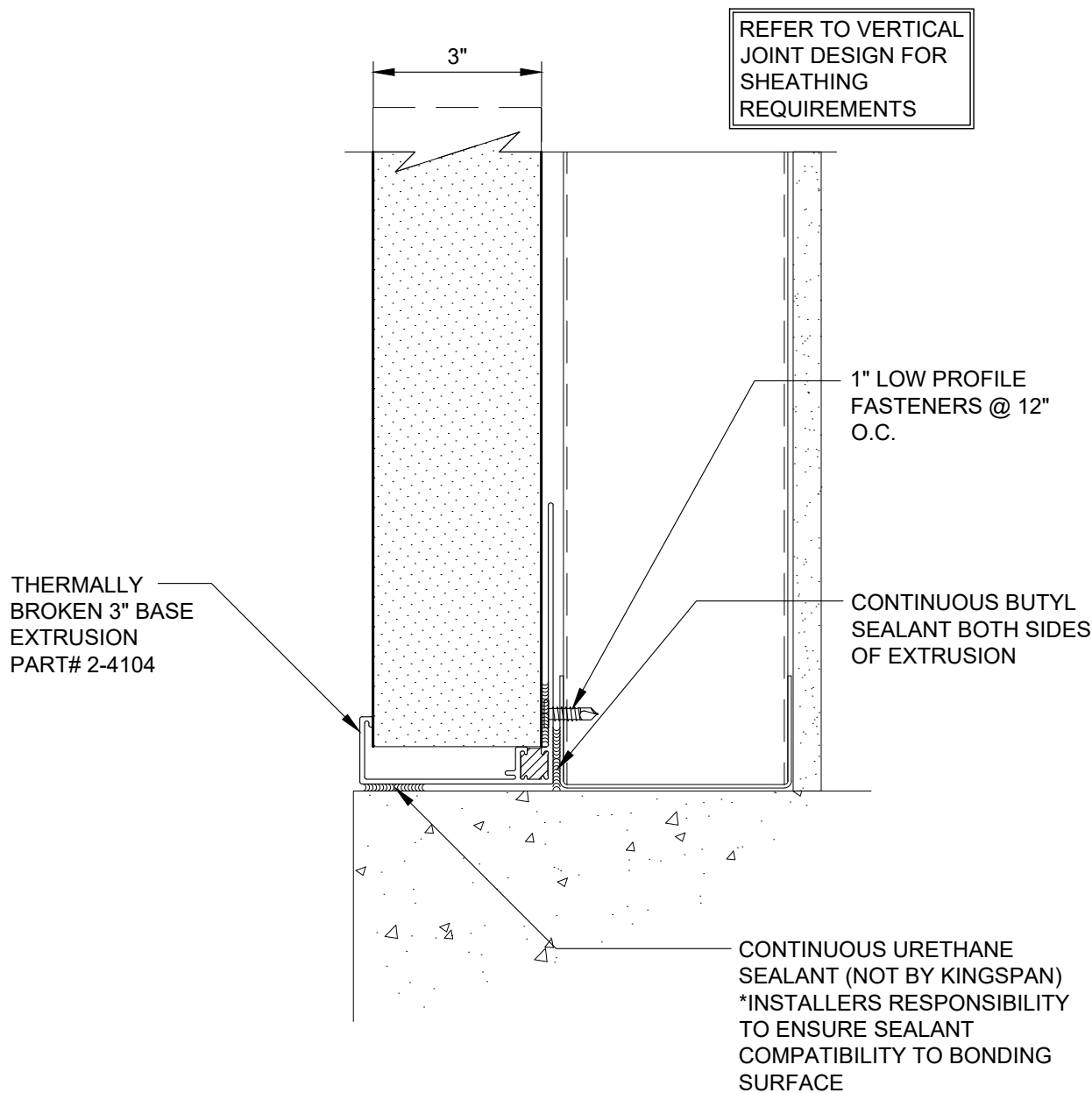
REGION: NORTH AMERICA

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REVISION #	DATE
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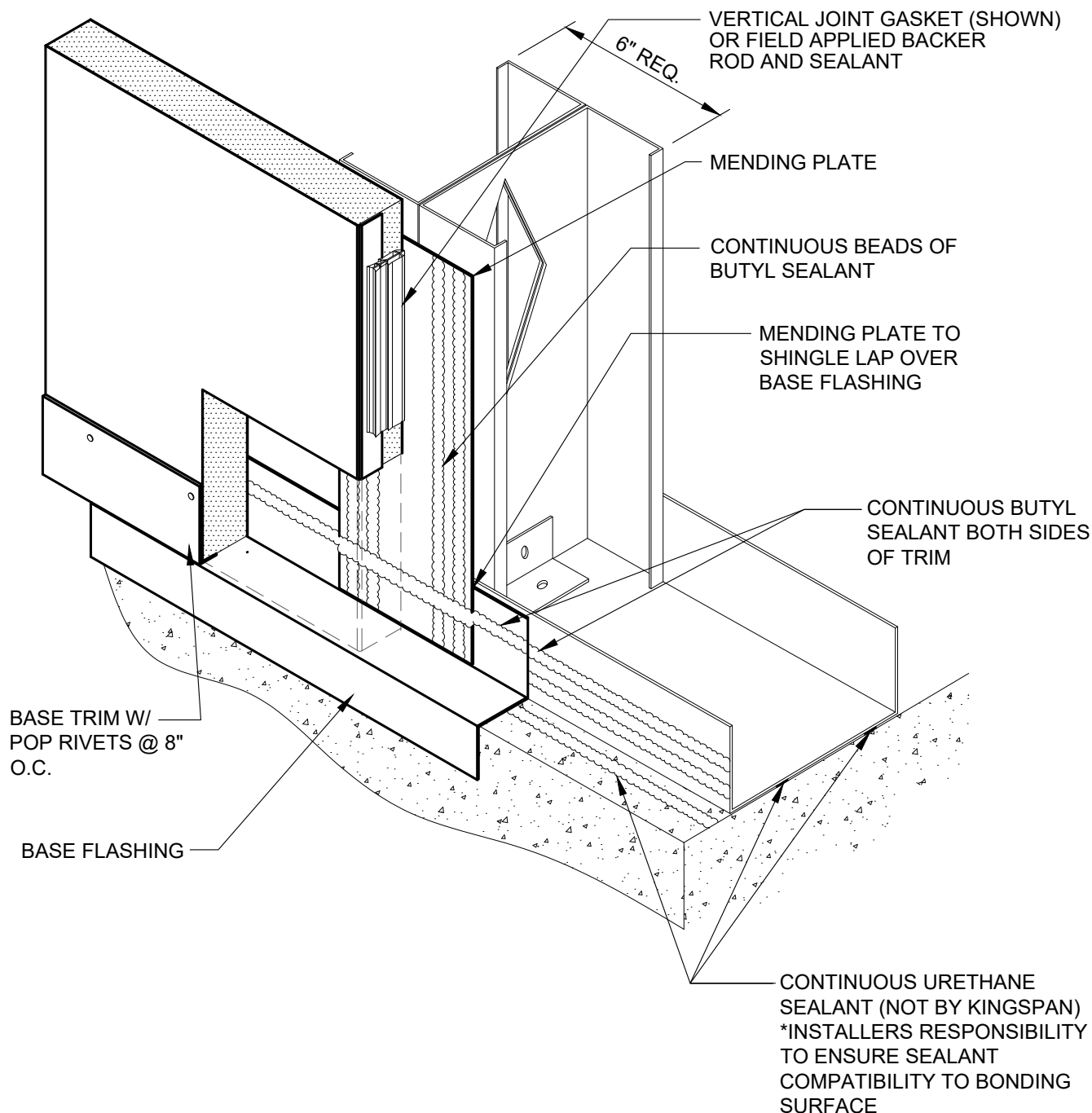
BASE -CUT- ON SLAB
THERMALLY BROKEN
EXTRUSION

DETAIL #: AR-BS-07-DW4H
RELEASE: 2024
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REVISION #	DATE
4	1/8/24

VERTICAL JOINT AT
FLUSH BASE
ISOMETRIC

DETAIL #: AR-BS-08-DW4H

RELEASE: 2024

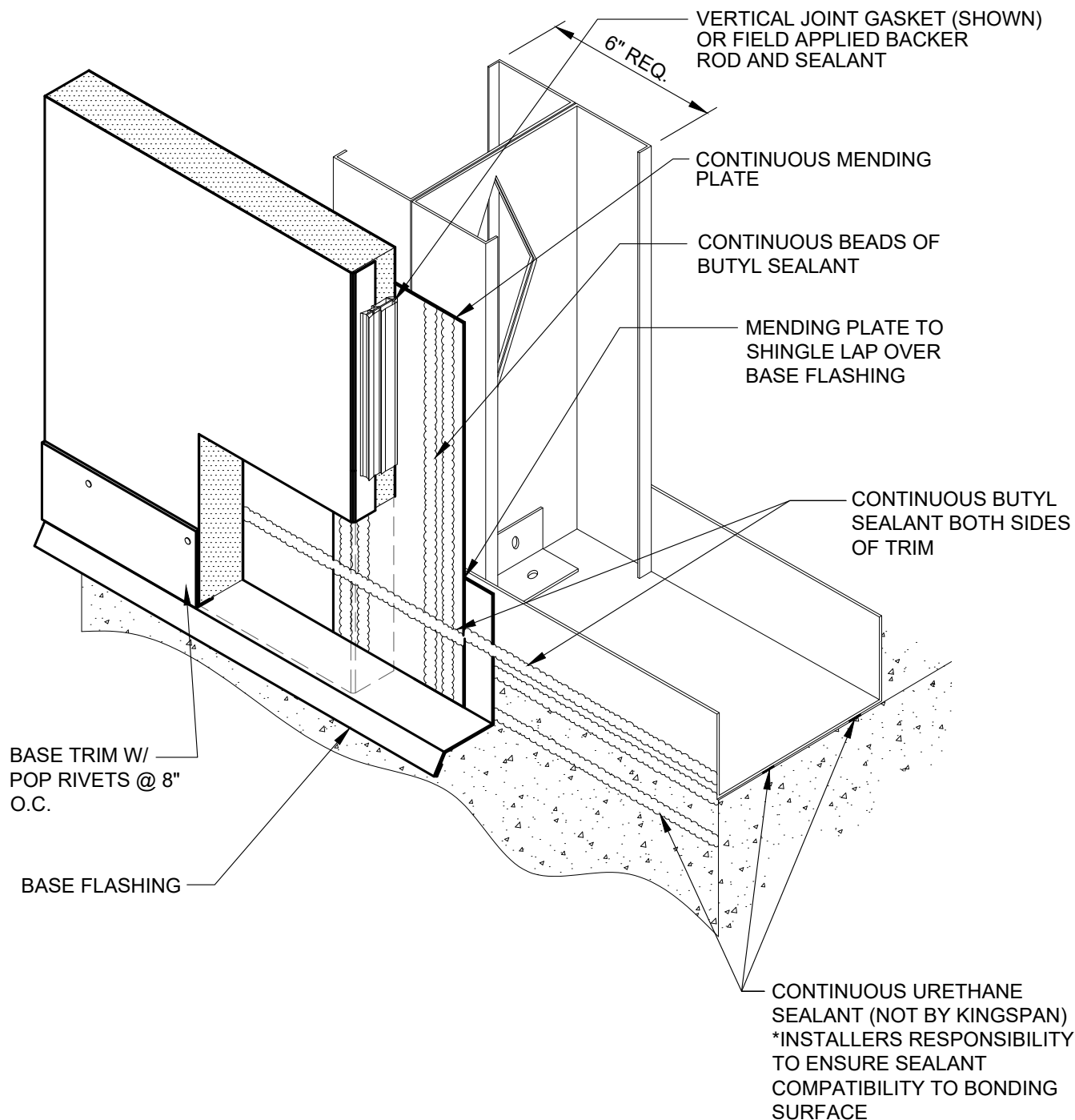
REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
4	1/8/24

VERTICAL JOINT AT
BYPASS BASE
ISOMETRIC

DETAIL #: AR-BS-09-DW4H

RELEASE: 2024

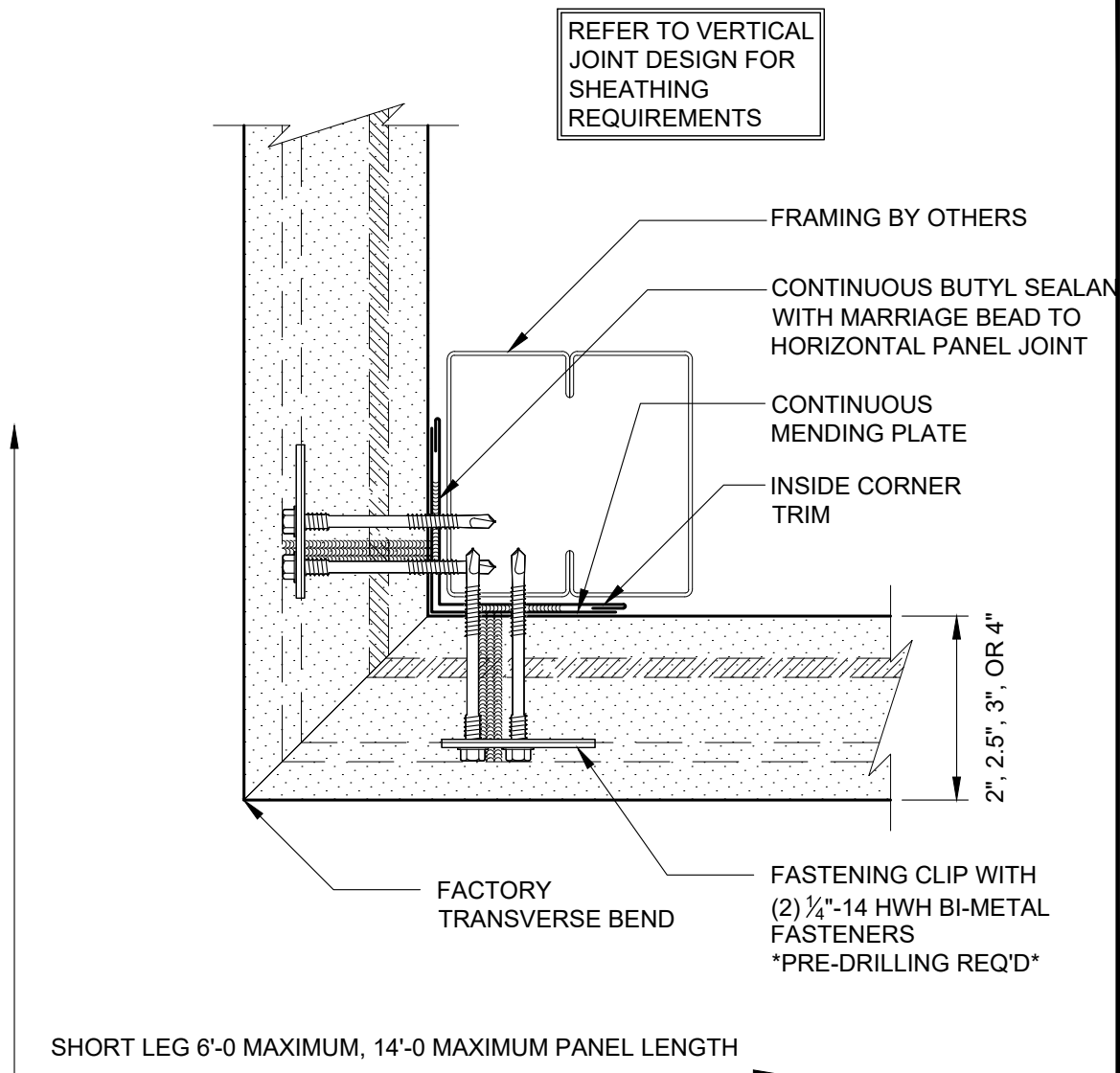
REGION: NORTH AMERICA

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*NOTE: FACTORY TRANSVERSE BEND ANGLE MAY VARY BASED ON SPECIFIC PROJECT REQUIREMENTS

REVISION	
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TRANSVERSE BENT
CORNER

DETAIL #: AR-OC-01-DW4H

RELEASE: 2024

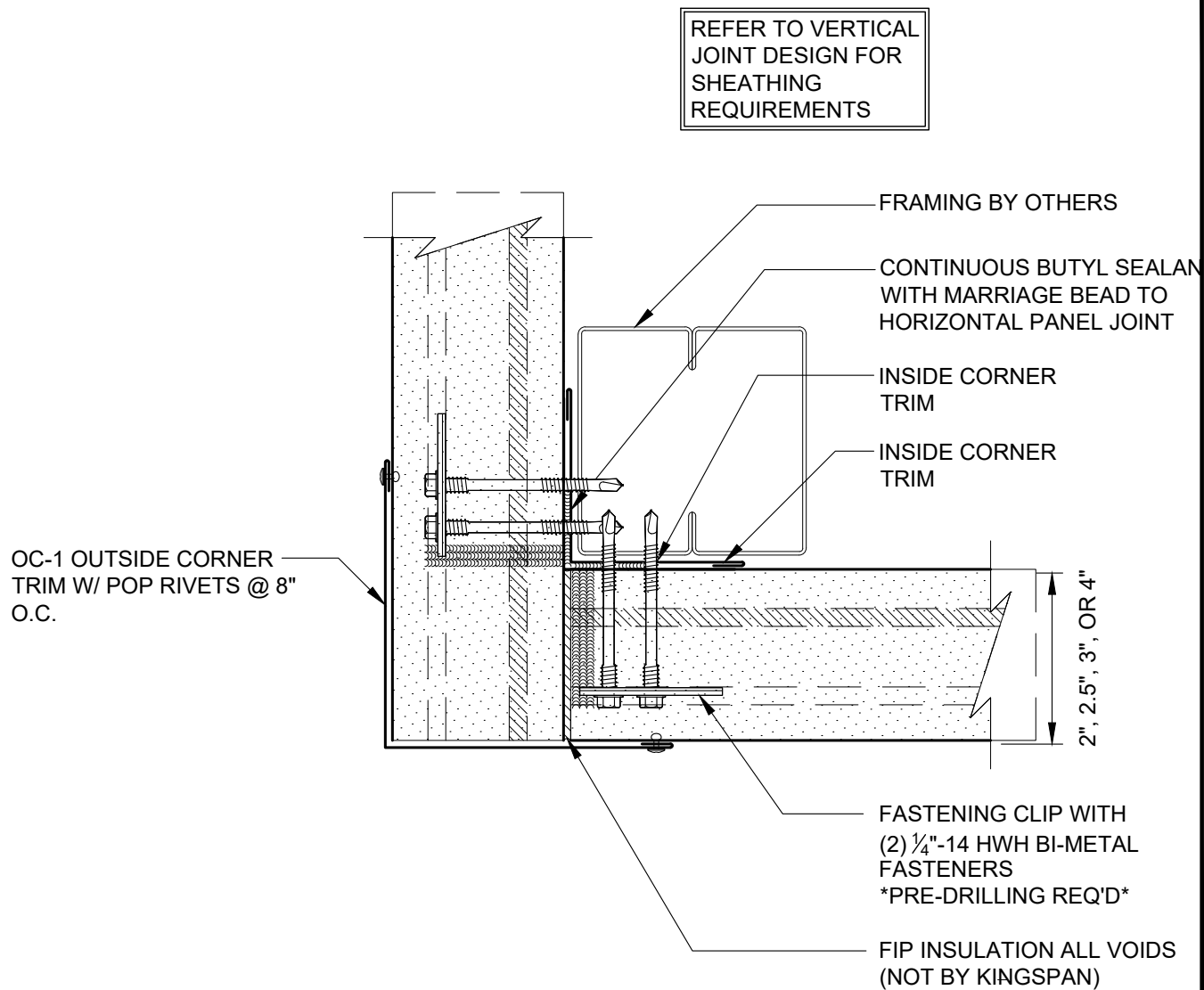
REGION: NORTH AMERICA

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REVISION #	DATE
2	12/08/23

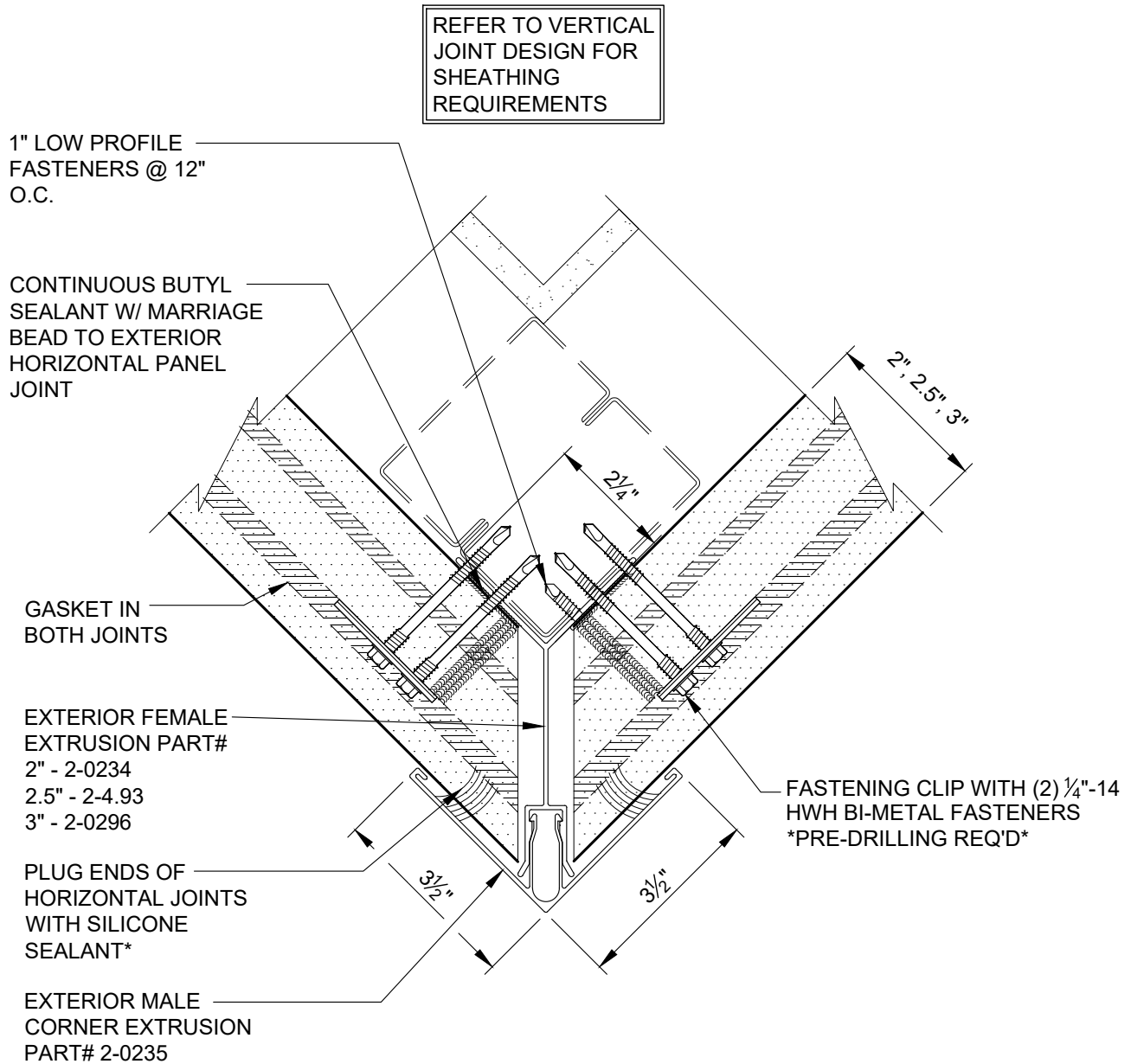
OUTSIDE CORNER -
TRIM

DETAIL #: AR-OC-02-DW4H
RELEASE: 2024
REGION: NORTH AMERICA
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OUTSIDE CORNER
EXTRUSION

DETAIL #: AR-OC-03-DW4H

RELEASE: 2024

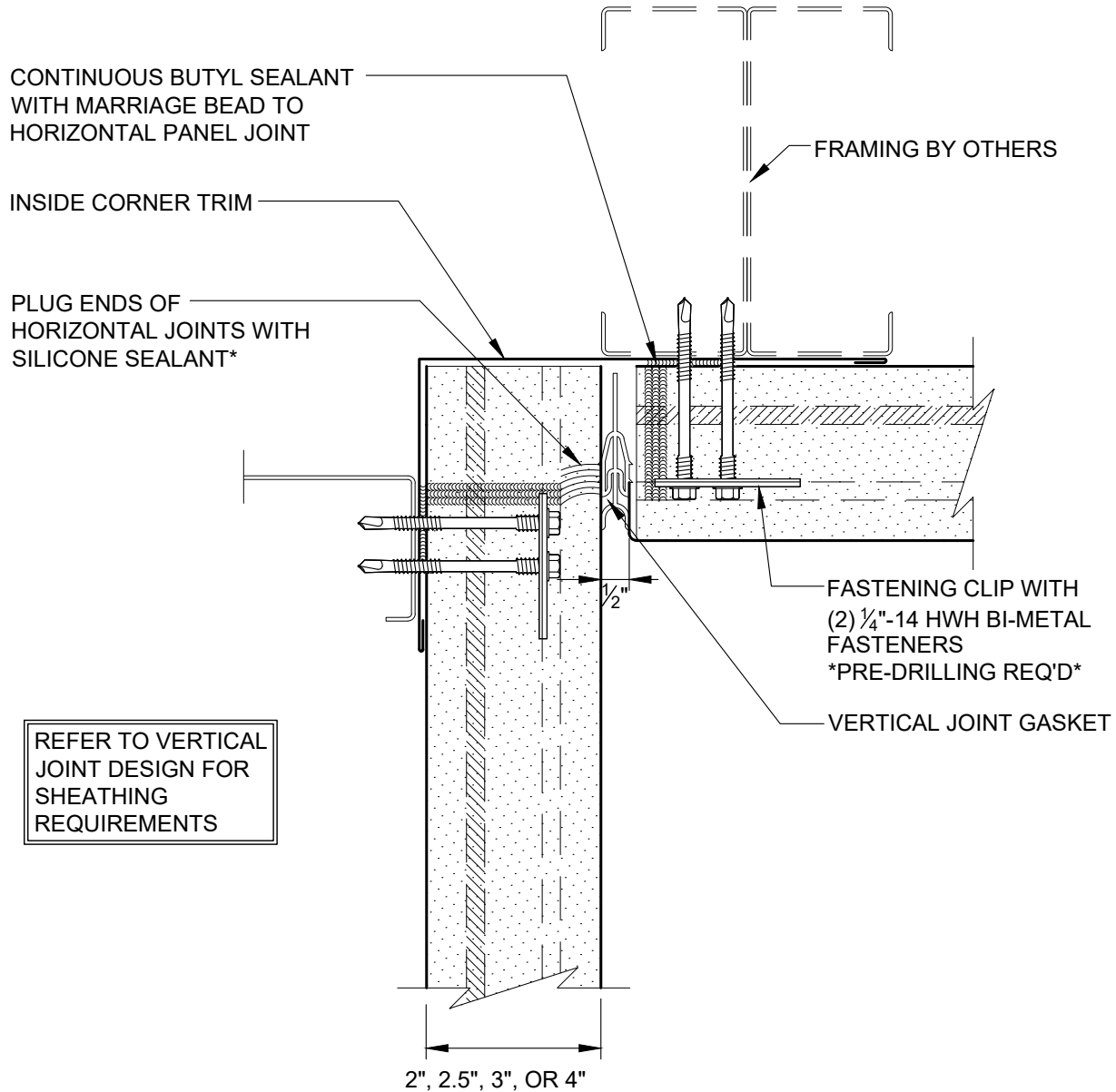
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*NOTE: FOR REVEALS GREATER THAN 1/2" METAL CLOSURES MAY BE REQUIRED

REVISION	
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INSIDE CORNER W/
TRIMLESS ENDS

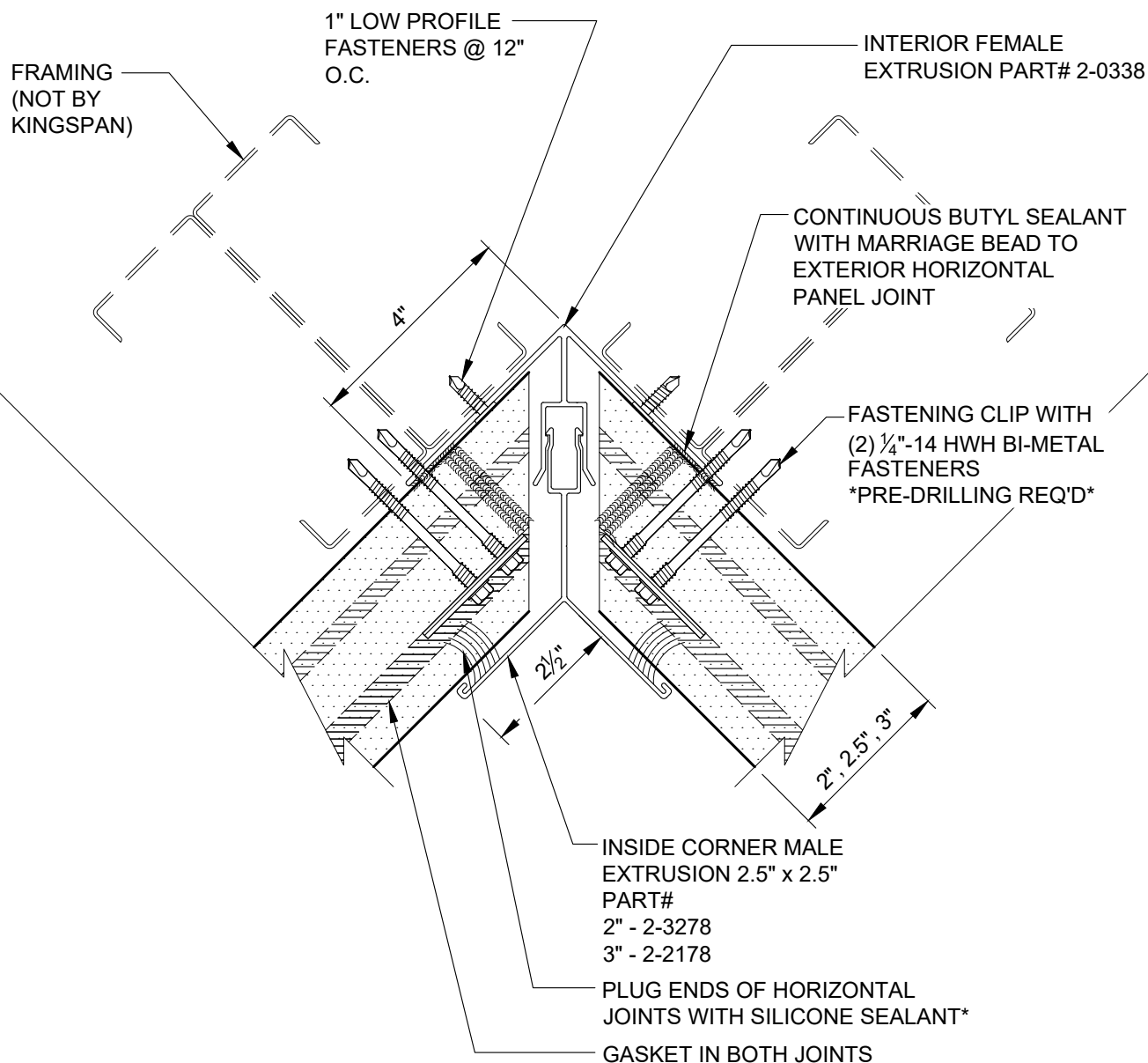
DETAIL #: AR-IC-01-DW4H
RELEASE: 2024
REGION: NORTH AMERICA
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REFER TO VERTICAL
JOINT DESIGN FOR
SHEATHING
REQUIREMENTS



REVISION	
REVISION #	DATE
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INSIDE CORNER W/
EXTRUSION

DETAIL #: AR-IC-02-DW4H

RELEASE: 2024

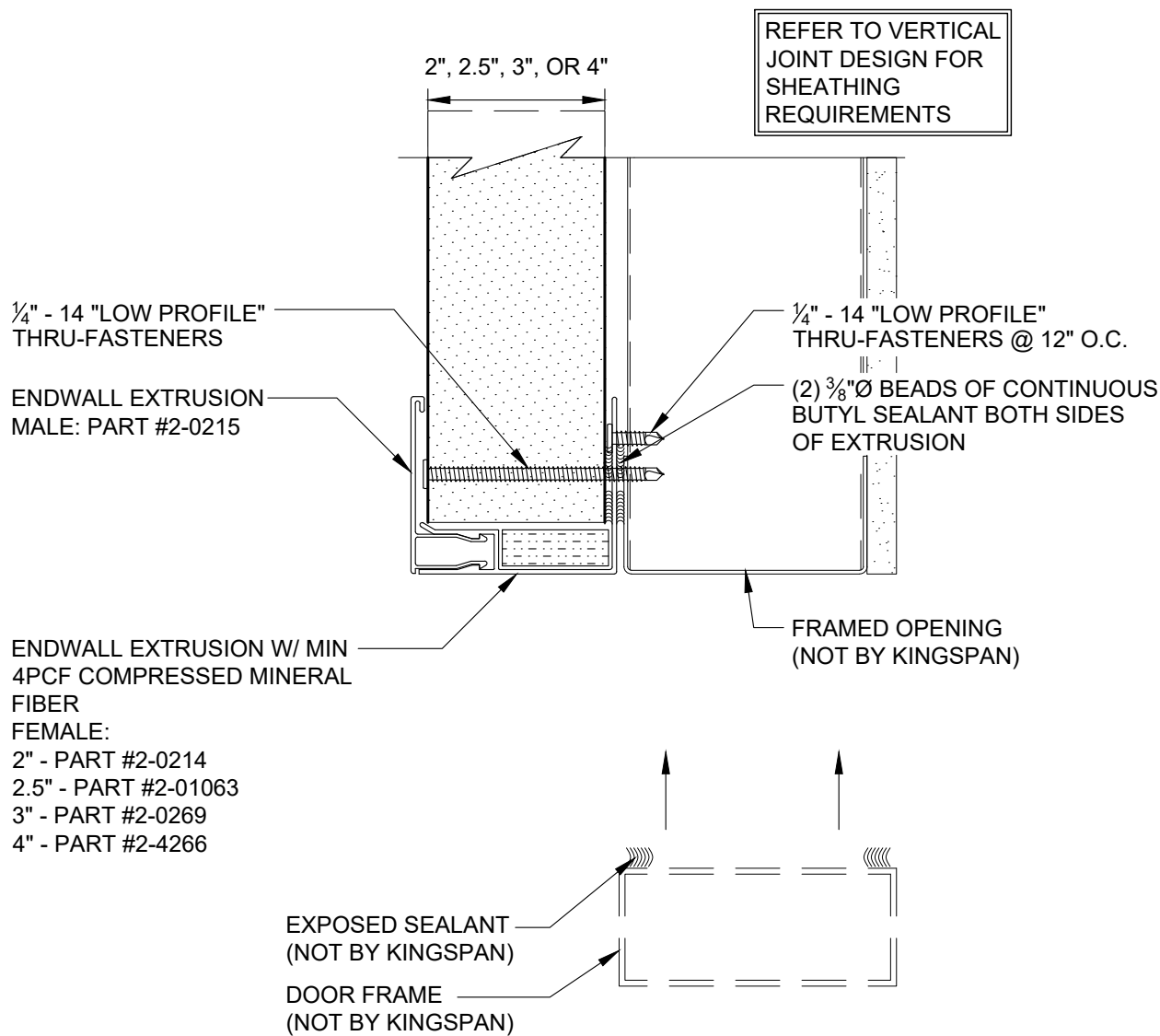
REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
2	12/08/23

FIELD CUT HEAD W/
EXTRUSION

DETAIL #: AR-FO-01-DW4H

RELEASE: 2024

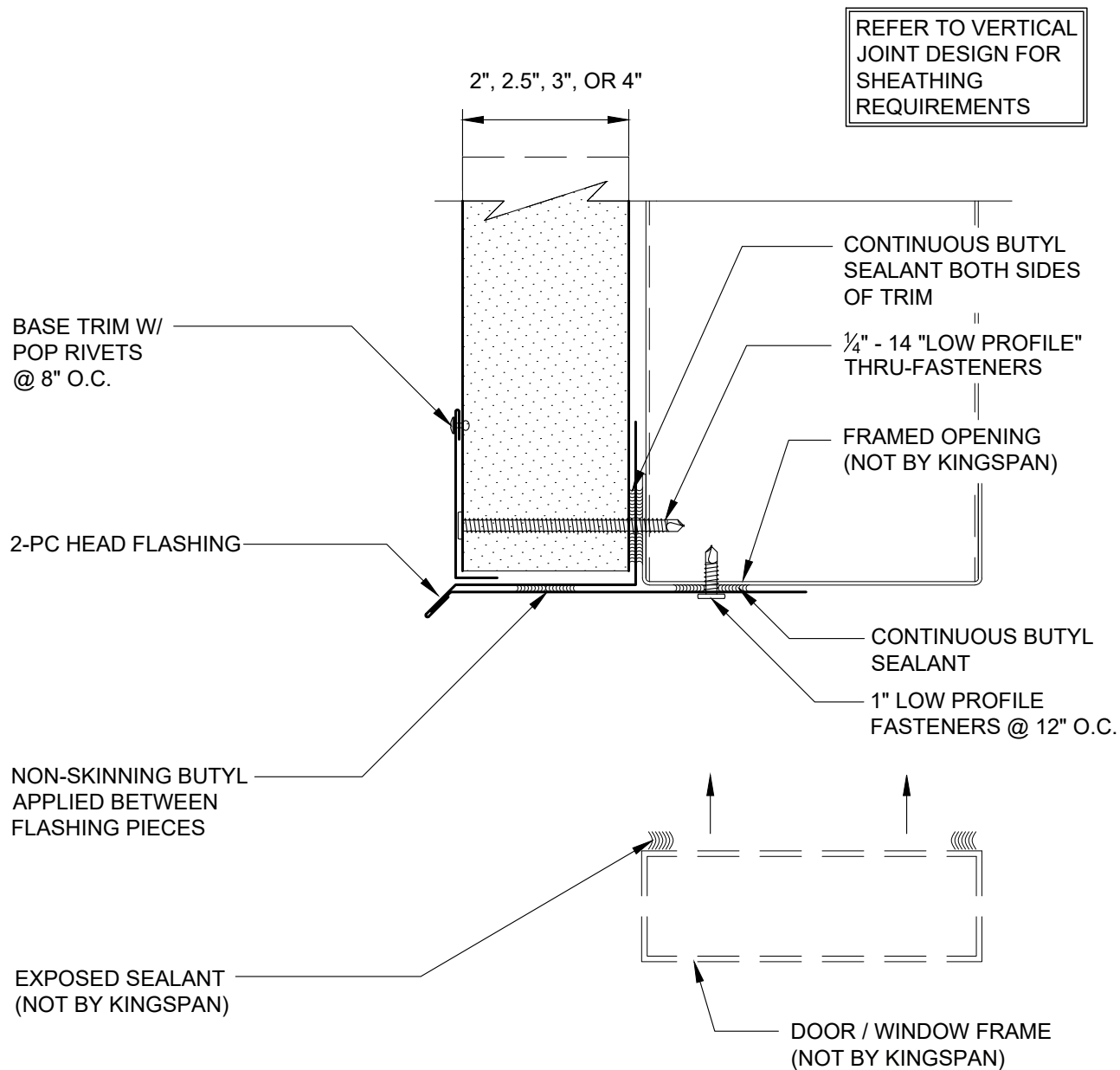
REGION: NORTH AMERICA

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NOTE: 1) SEE DETAIL AR-TL-13-DW4H, AR-TL-14-DW4H, AR-TL-15-DW4H, AR-TL-16-DW4H AND AR-TL-17-DW4H FOR TYPICAL TRIM LAP INSTRUCTIONS

REVISION	
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FIELD CUT HEAD
W/ TRIM

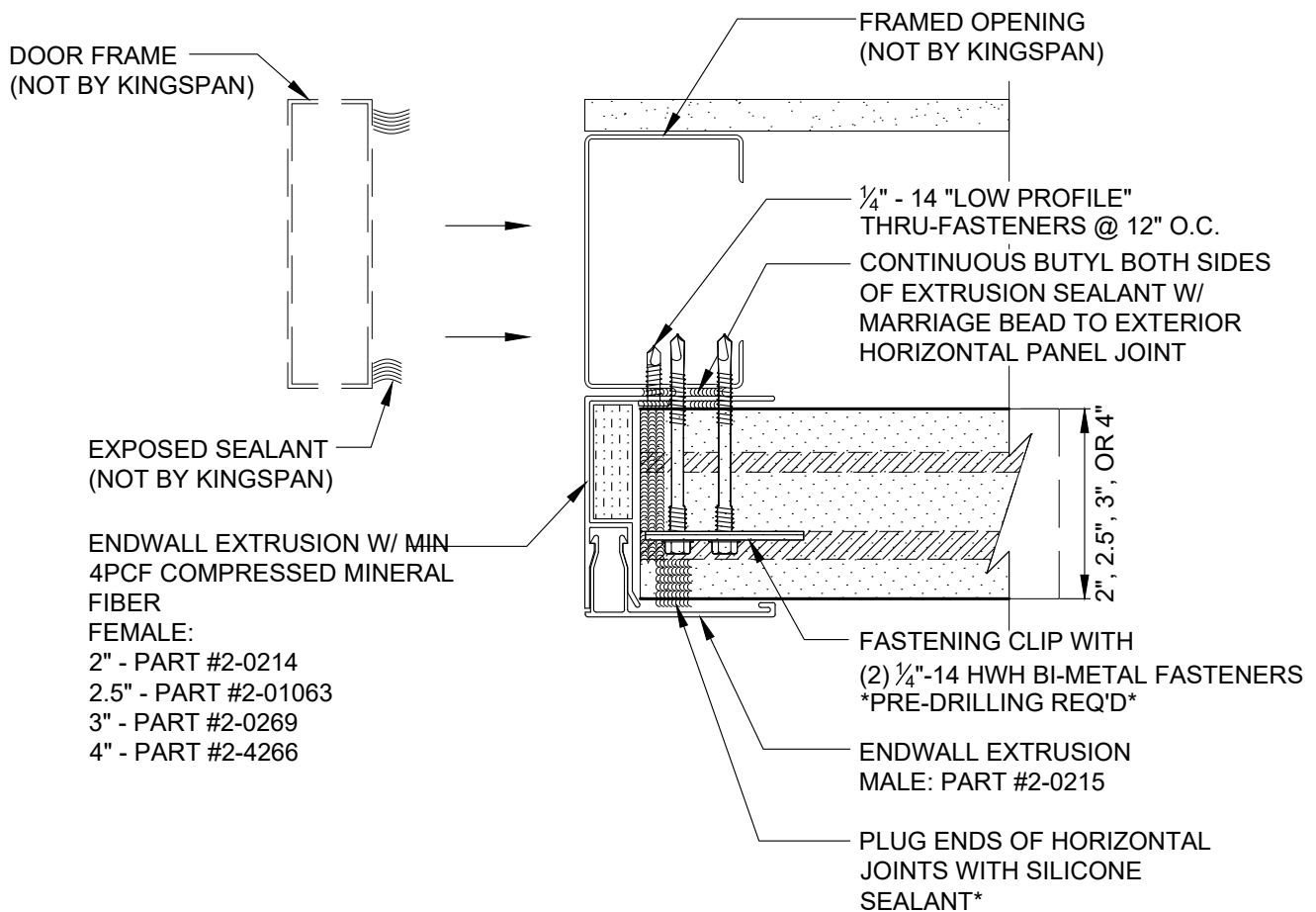
DETAIL #: AR-FO-02-DW4H
RELEASE: 2024
REGION: NORTH AMERICA
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REFER TO VERTICAL
JOINT DESIGN FOR
SHEATHING
REQUIREMENTS



REVISION

REVISION #	DATE
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FIELD CUT JAMB
W/ EXTRUSION

DETAIL #: AR-FO-03-DW4H

RELEASE: 2024

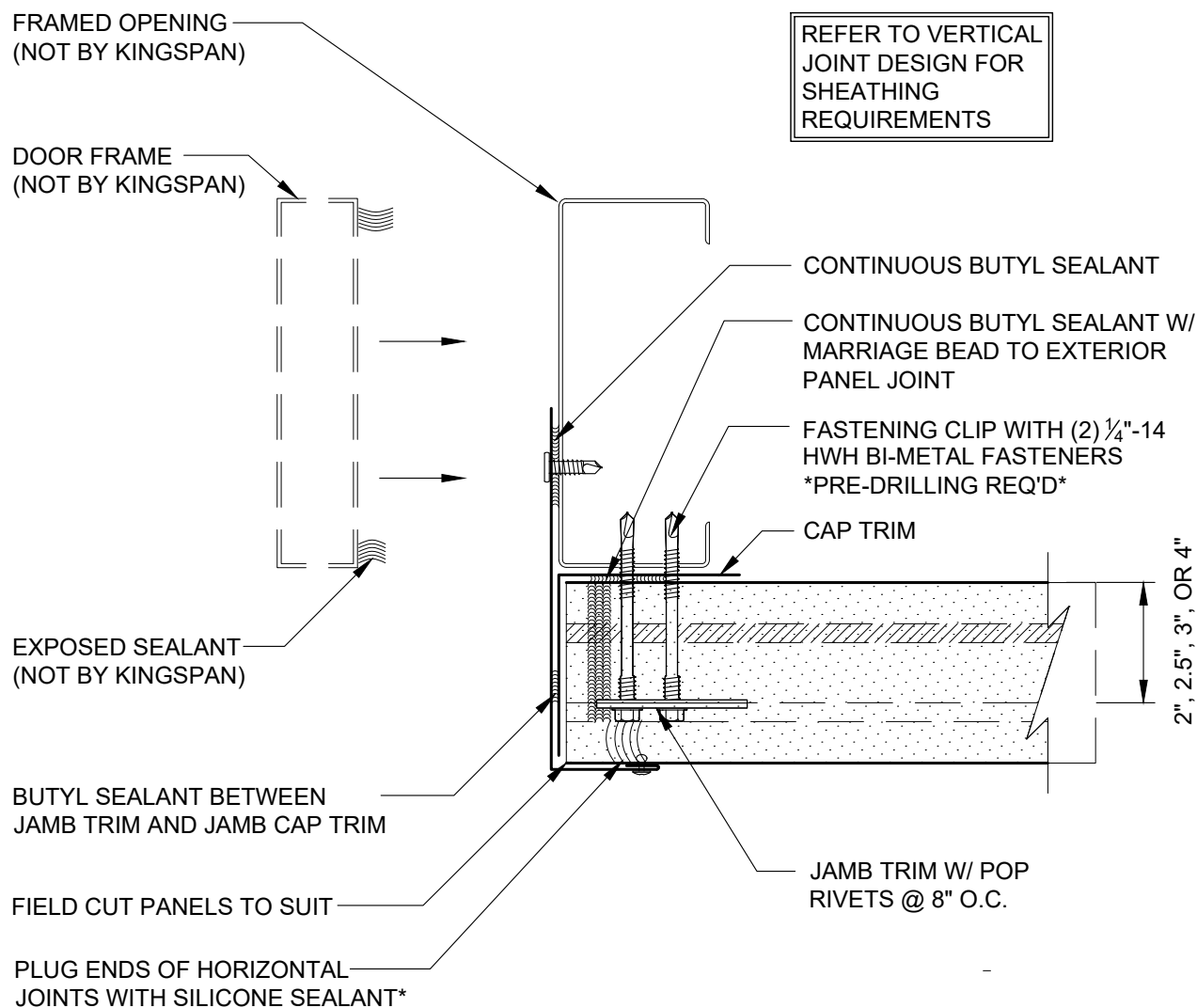
REGION: NORTH AMERICA

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NOTE: 1) SEE DETAIL AR-TL-13-DW4H, AR-TL-14-DW4H, AR-TL-15-DW4H, AR-TL-16-DW4H AND AR-TL-17-DW4H FOR TYPICAL TRIM LAP INSTRUCTIONS

REVISION	
REVISION #	DATE
2	12/08/23

FIELD CUT JAMB
W/ TRIM

DETAIL #: AR-FO-04-DW4H

RELEASE: 2024

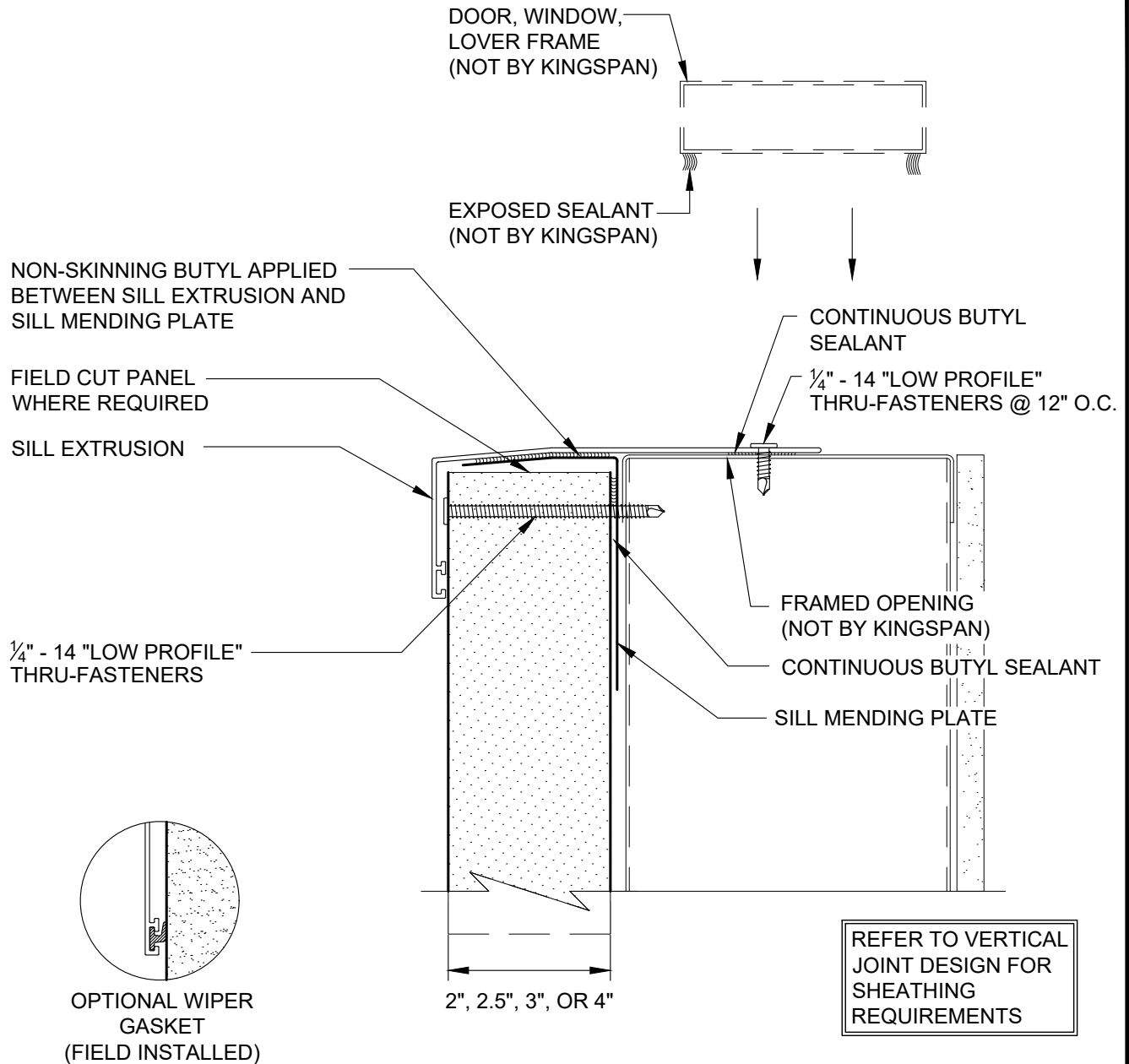
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REVISION #	DATE
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WINDOW SILL W/
EXTRUSION

DETAIL #: AR-FO-05-DW4H

RELEASE: 2024

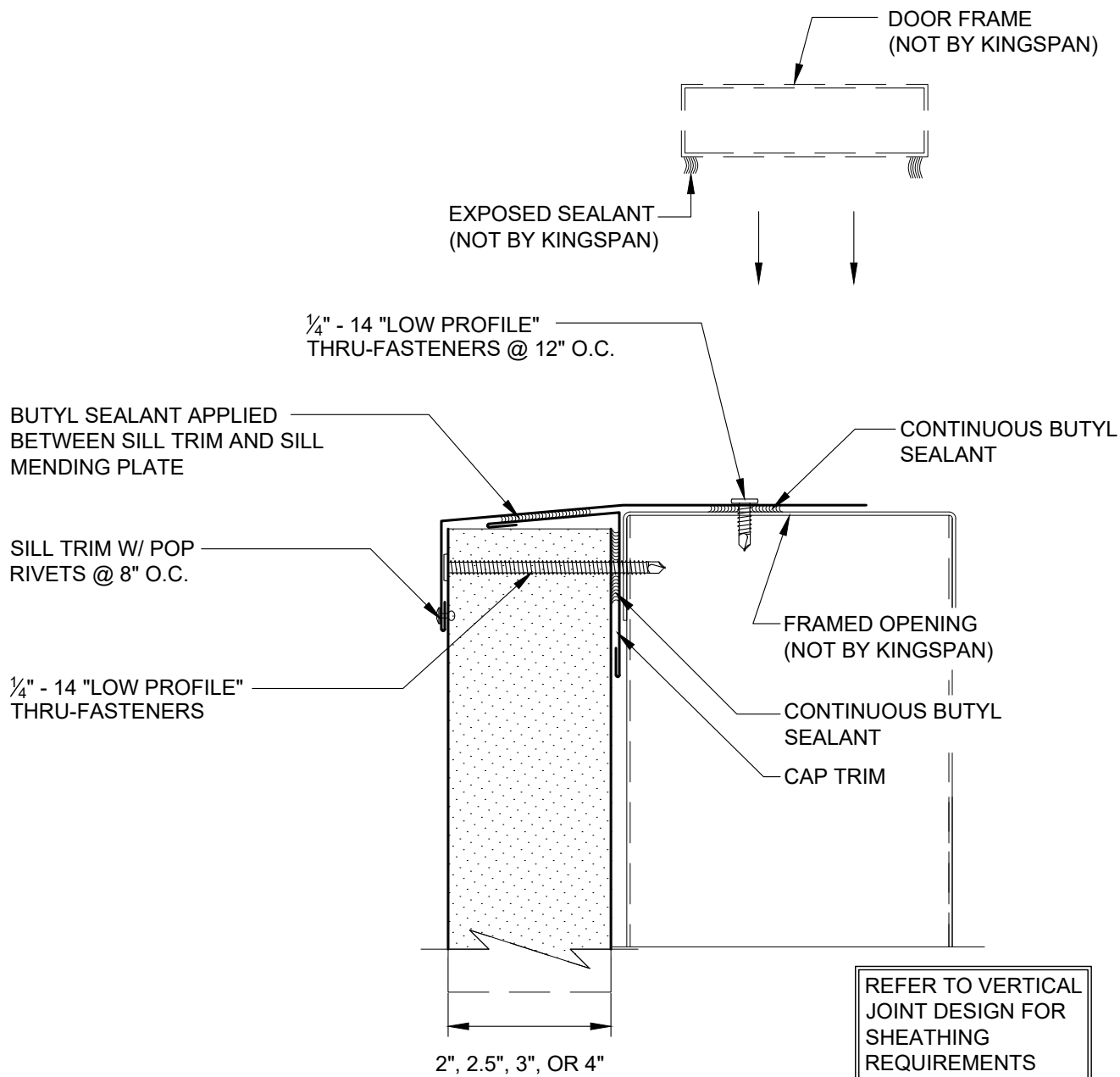
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NOTE: NOTE: 1) 1) SEE DETAIL AR-TL-13-DW4H, AR-TL-14-DW4H, AR-TL-15-DW4H,
AR-TL-16-DW4H AND AR-TL-17-DW4H FOR TYPICAL TRIM LAP INSTRUCTIONS

REVISION	
REVISION #	DATE
2	12/08/23

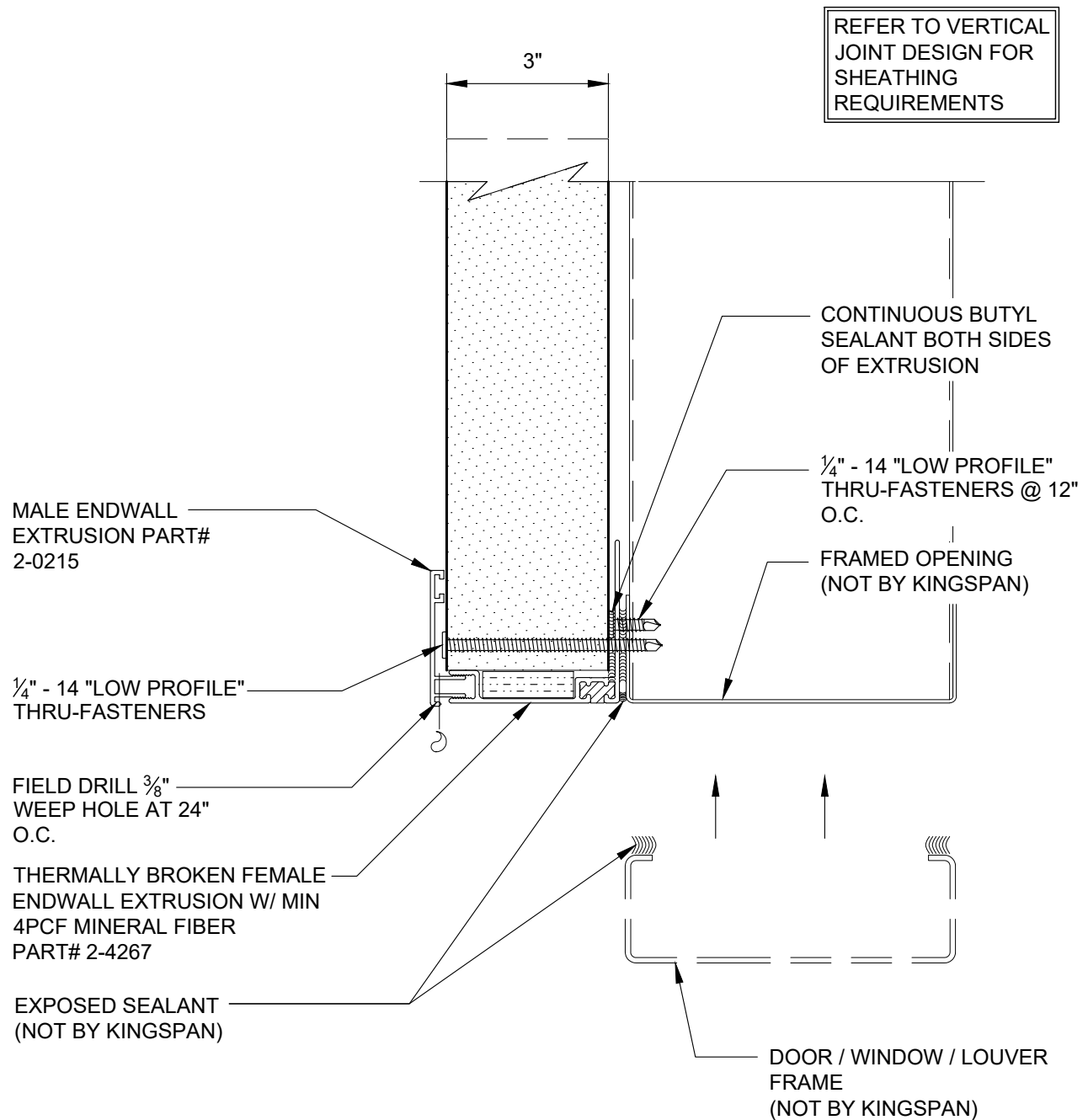
WINDOW SILL W/ TRIM

DETAIL #: AR-FO-06-DW4H
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REVISION #	DATE
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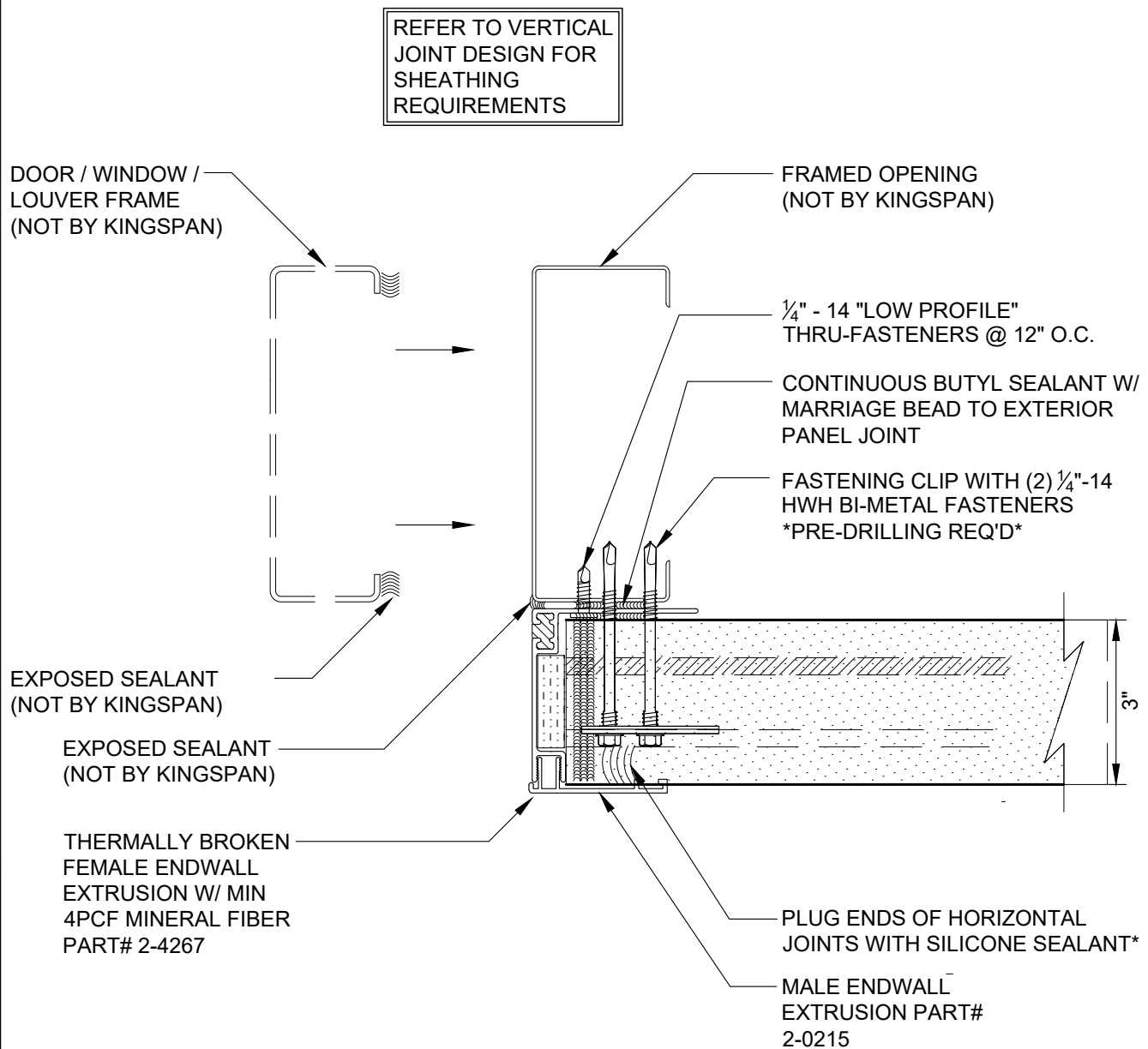
FRAMED OPENING
HEAD - THERMALLY
BROKEN EXTRUSION

DETAIL #: AR-FO-07-DW4H
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REVISION #	DATE
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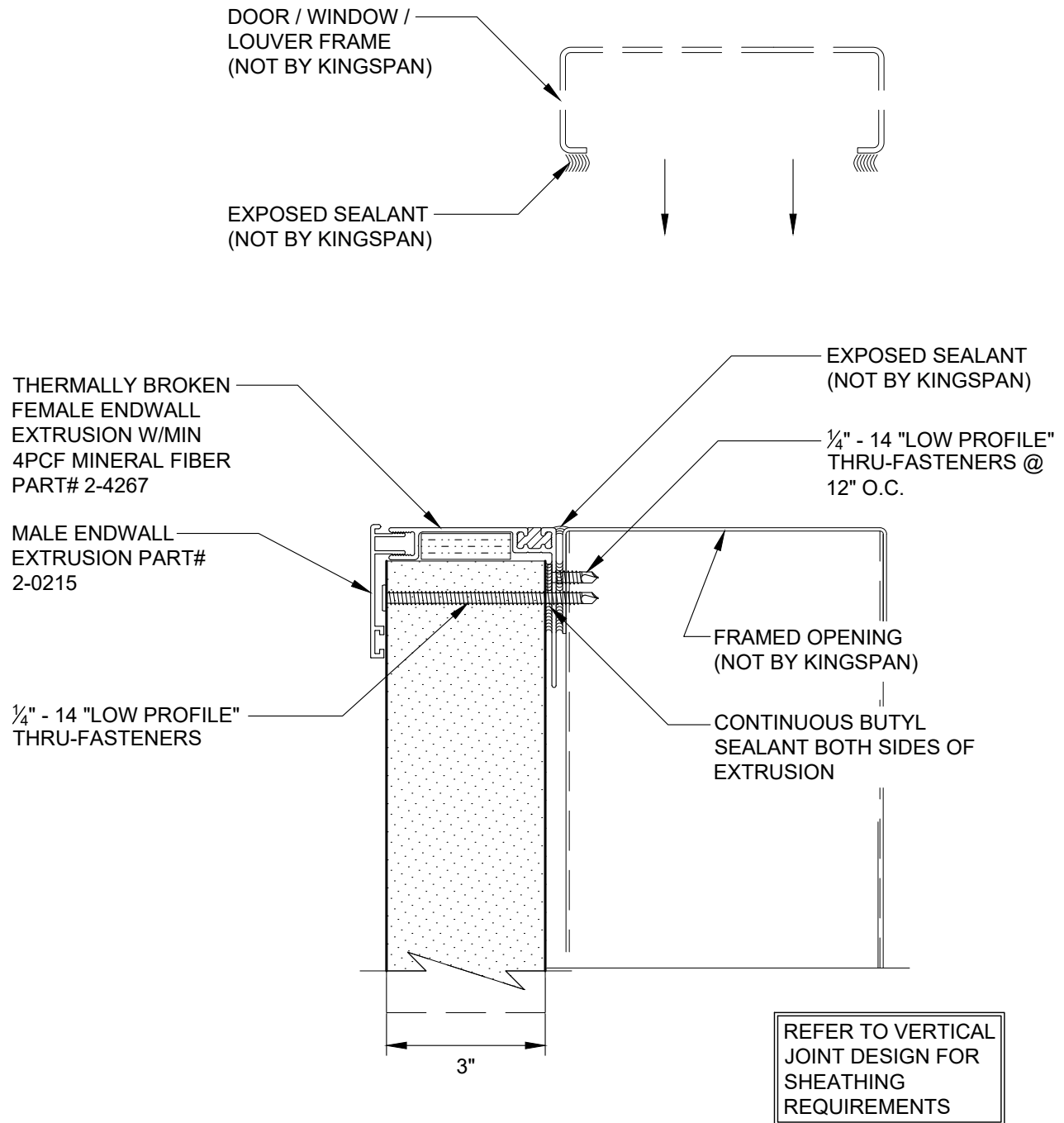
FRAMED OPENING
JAMB - THERMALLY
BROKEN EXTRUSION

DETAIL #: AR-FO-08-DW4H
RELEASE: 2024
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REVISION #	DATE
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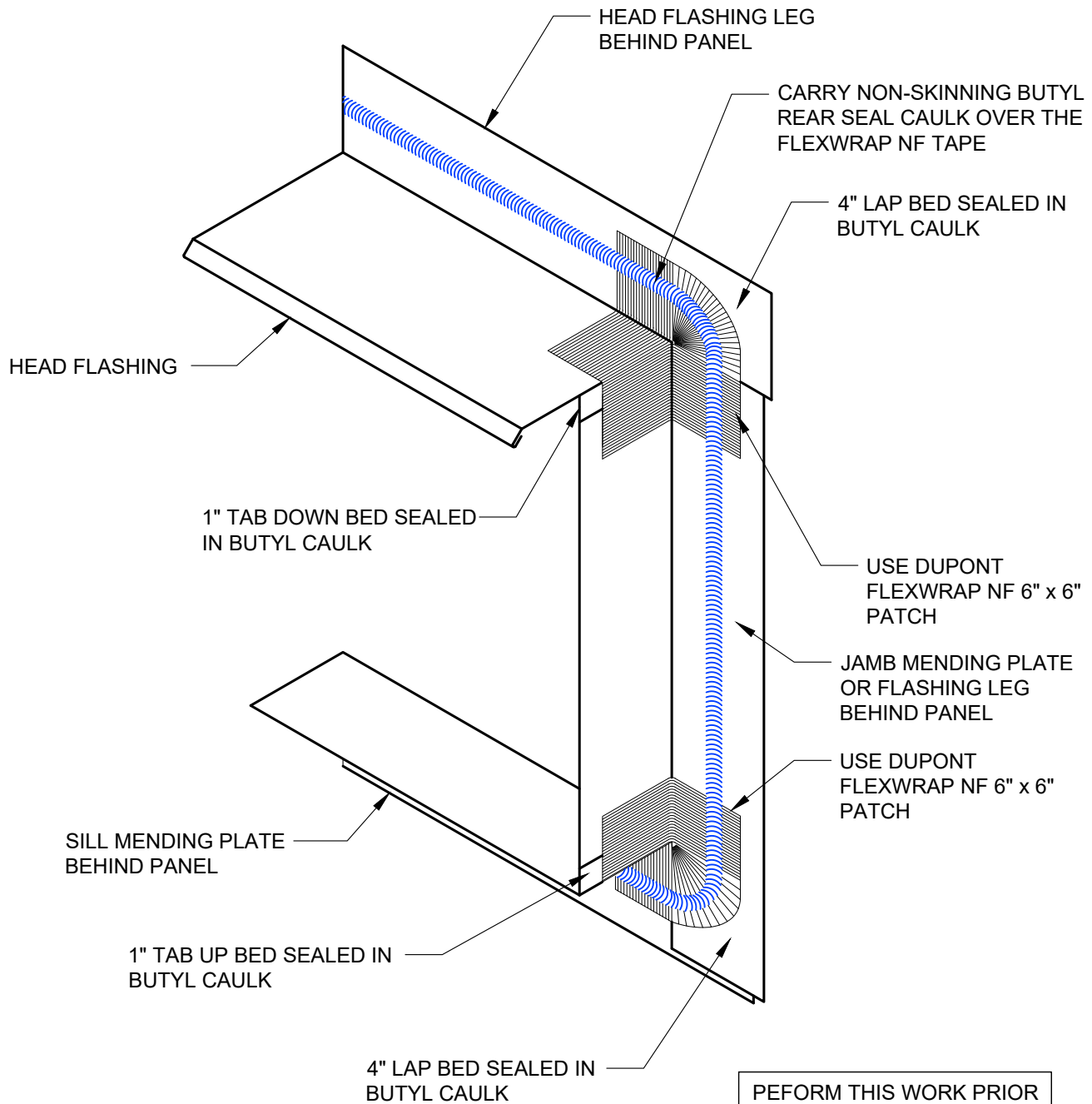
FRAMED OPENING SILL
- THERMALLY BROKEN
EXTRUSION

DETAIL #: AR-FO-09-DW4H
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REVISION #	DATE
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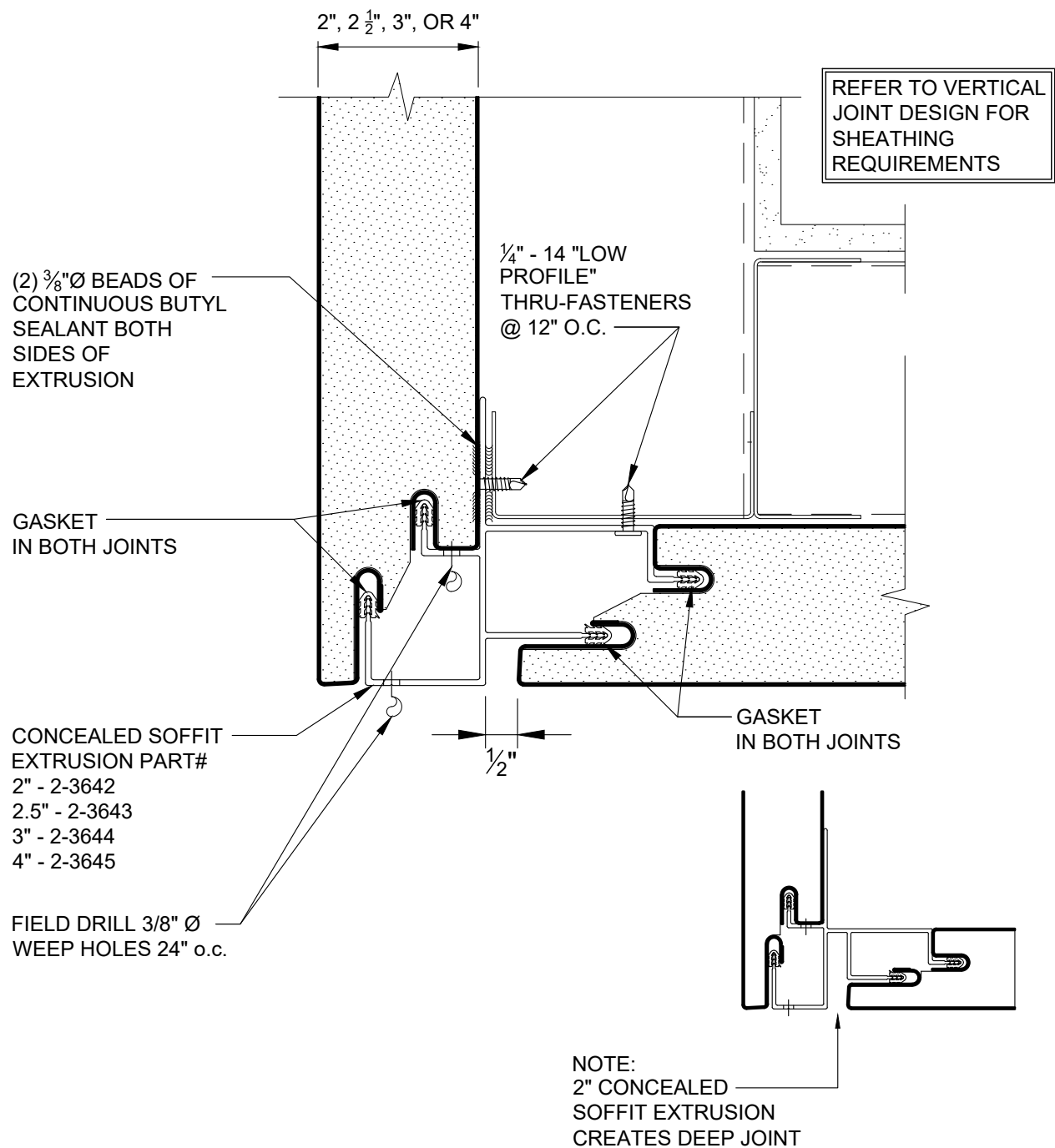
TRIM / FLEXWRAP
ASSEMBLY AT FRAMED
OPENINGS

DETAIL #: AR-FO-10-DW4H
RELEASE: 2024
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SOFFIT AND FASCIA W/
CONCEALED SOFFIT
EXTRUSION

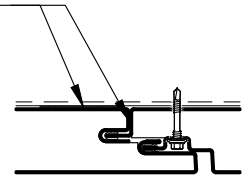
DETAIL #: AR-SF-01-DW4H
RELEASE: 2024
REGION: NORTH AMERICA
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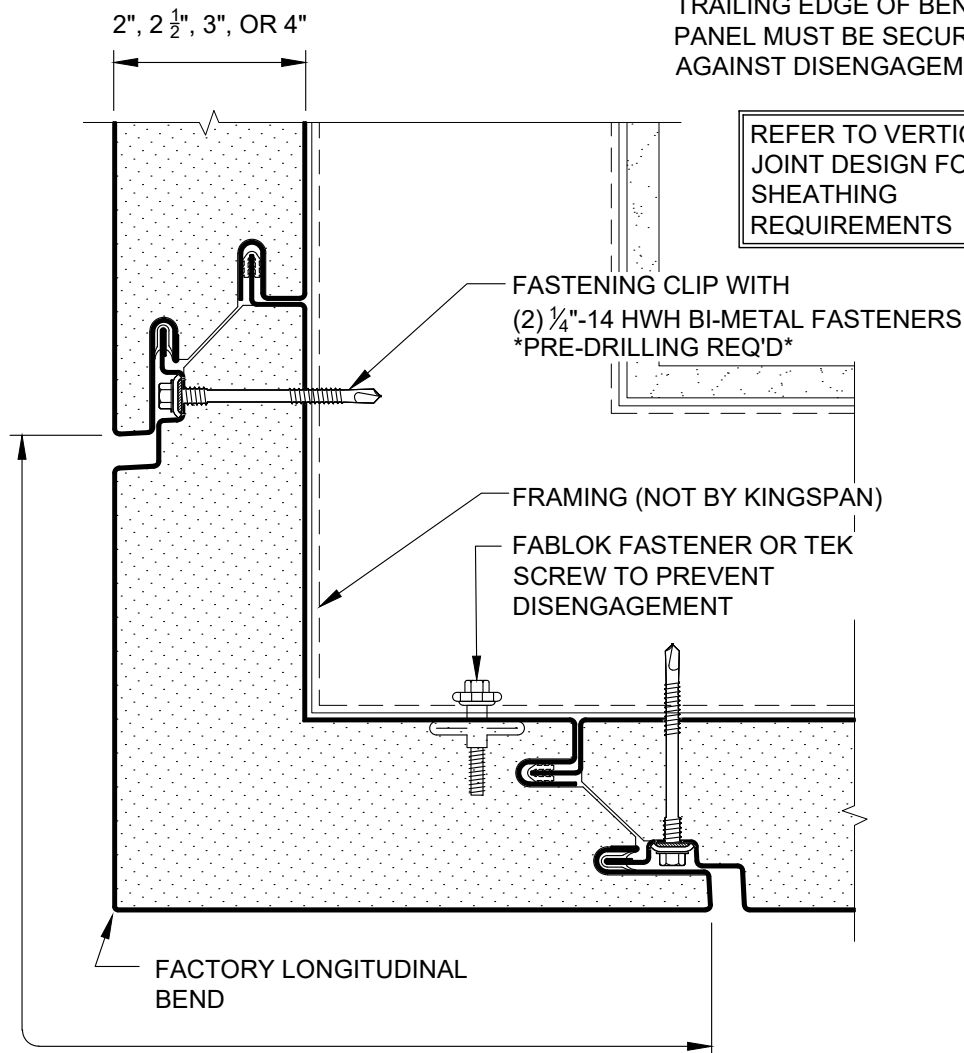
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IF BACK-FASTENING IS NOT POSSIBLE
USE LORD 410/19GB EPOXY TO
ADHERE BENT PANEL TO SUPPORTS
OR TO PREVIOUS SOFFIT PANEL



TRAILING EDGE OF BENT
PANEL MUST BE SECURED
AGAINST DISENGAGEMENT



MAXIMUM LENGTH: 18'-0"
MINIMUM WIDTH OF SMALL LEG: PANEL THICKNESS + 3"
INTERIOR ANGLE: 45° - 180°

REVISION	
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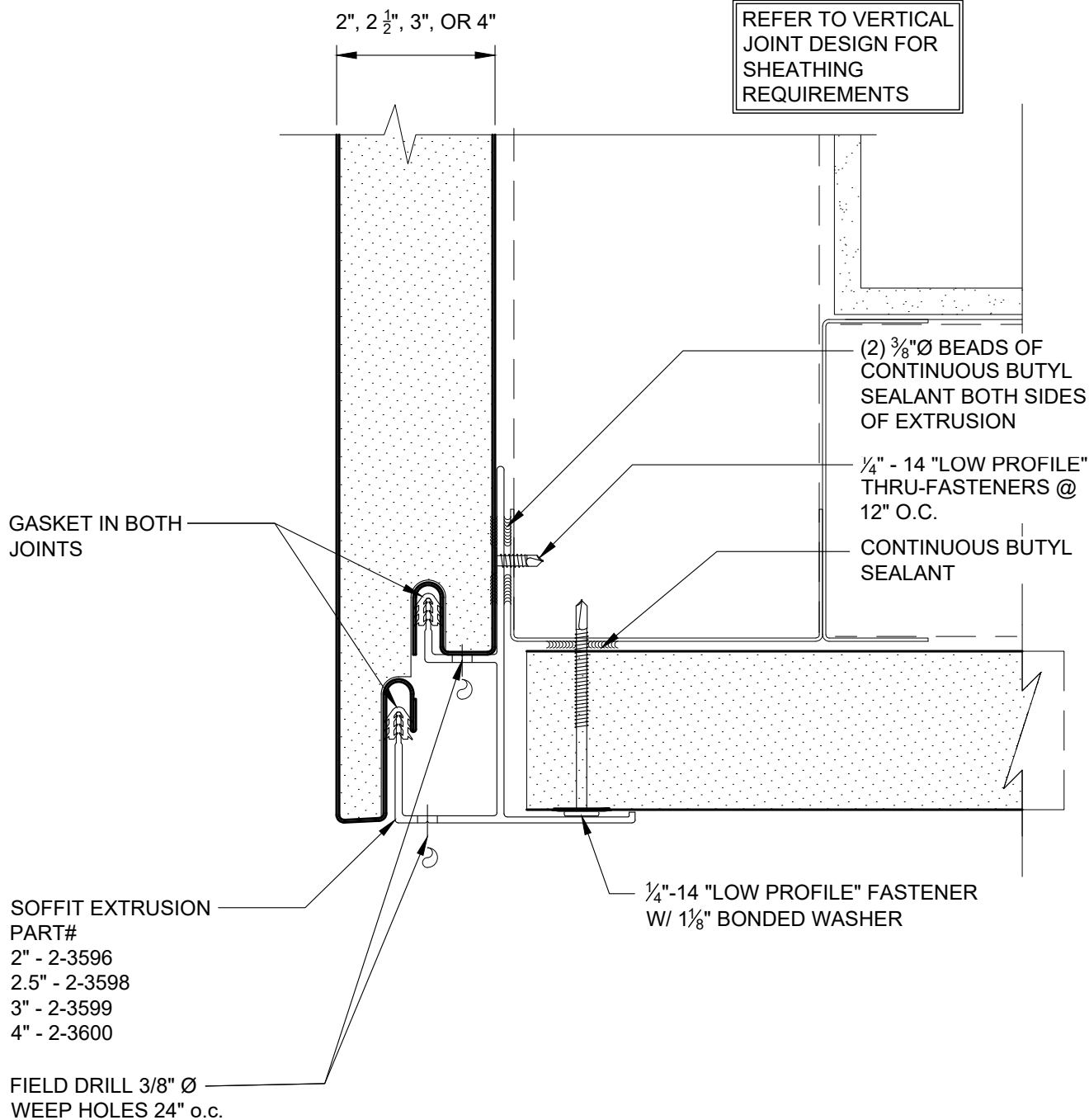
SOFFIT AND FASCIA
LONGITUDINAL BEND

DETAIL #: AR-SF-02-DW4H
RELEASE: 2024
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REVISION #	DATE
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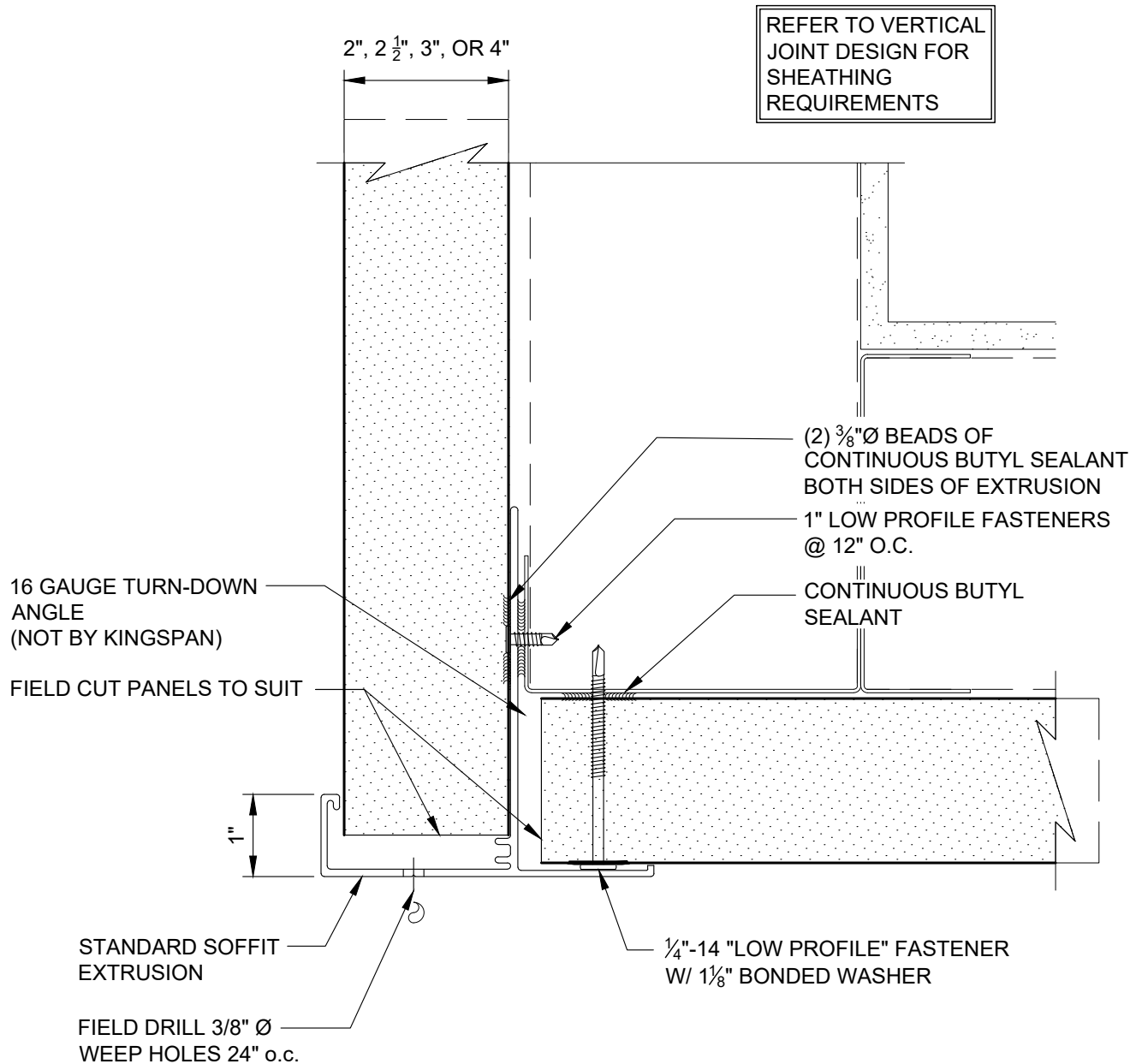
FIELD CUT SOFFIT AND
FASCIA W/ SOFFIT
EXTRUSION

DETAIL #: AR-SF-03-DW4H
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DW-4000 - HORIZONTAL INSTALLATION



REVISION	
REVISION #	DATE
2	12/08/23

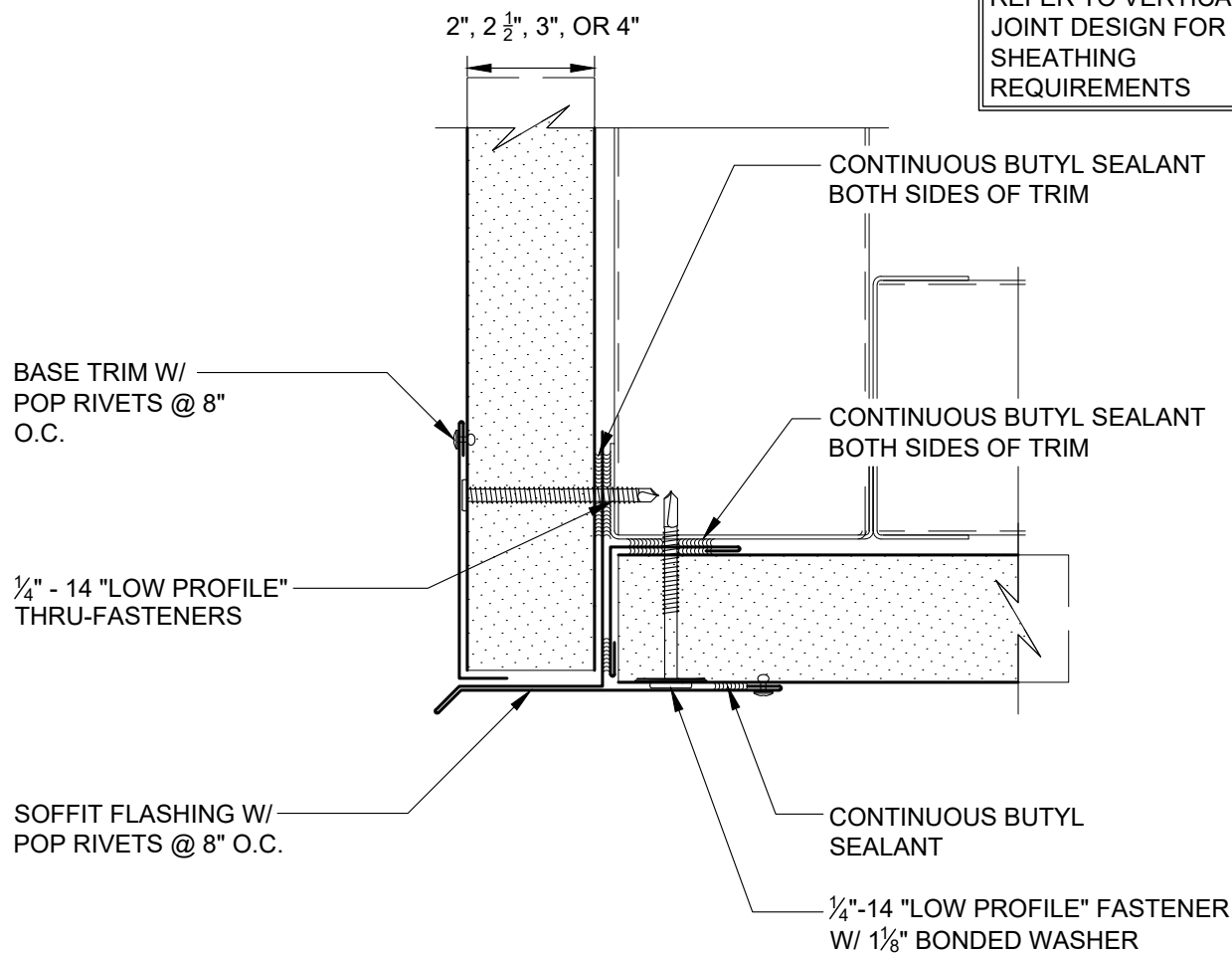
FIELD CUT SOFFIT AND
FIELD CUT FASCIA W/
SOFFIT EXTRUSION

DETAIL #: AR-SF-04-DW4H
RELEASE: 2024
REGION: NORTH AMERICA
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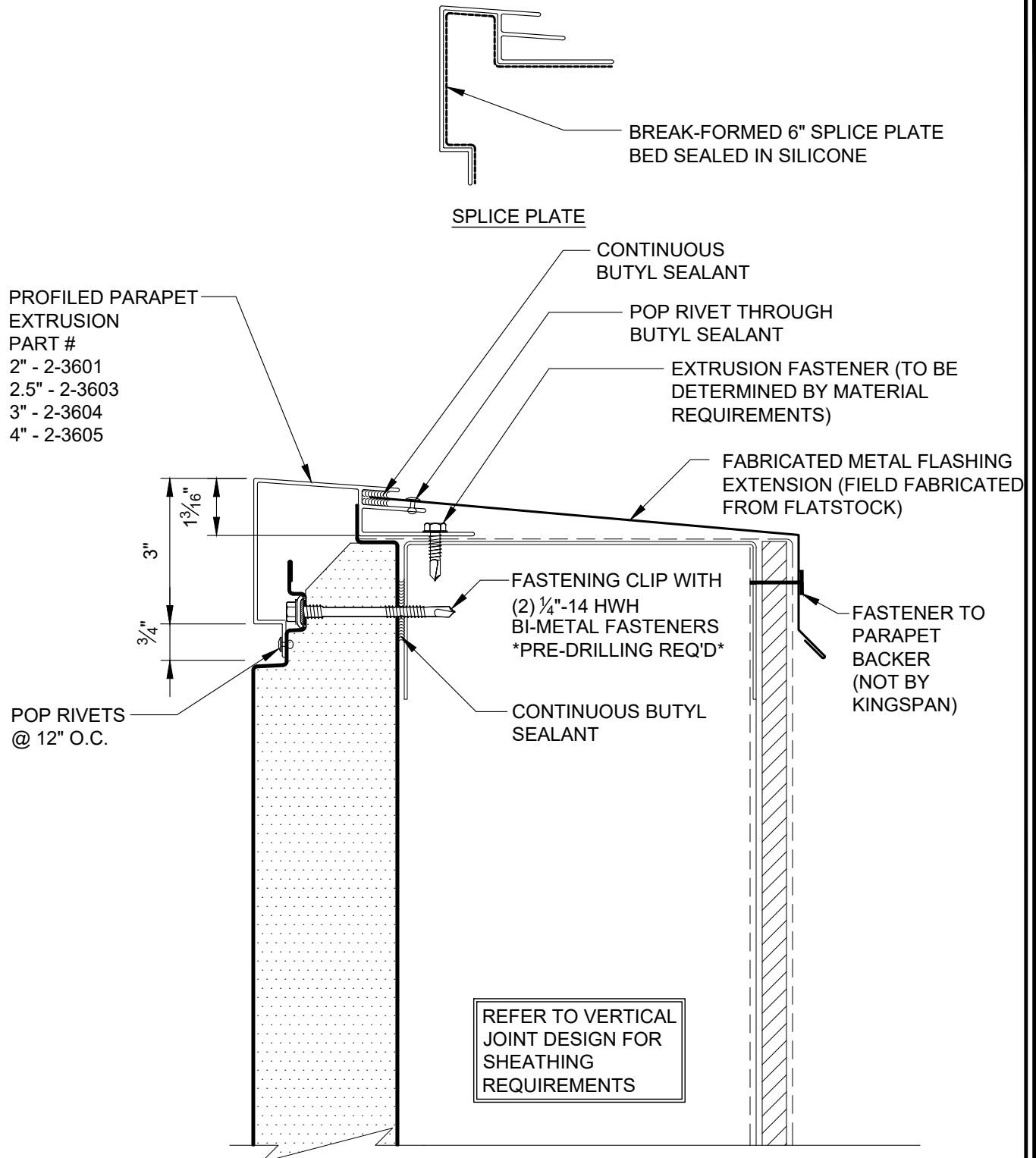
REVISION	
REVISION #	DATE
2	12/08/23

FIELD CUT SOFFIT AND
FIELD CUT FASCIA W/
TRIM

DETAIL #: AR-SF-05-DW4H
RELEASE: 2024
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REVISION	
REVISION #	DATE
2	12/08/23

PARAPET W/ PROFILED
EXTRUSION

DETAIL #: AR-PR-01-DW4H

RELEASE: 2024

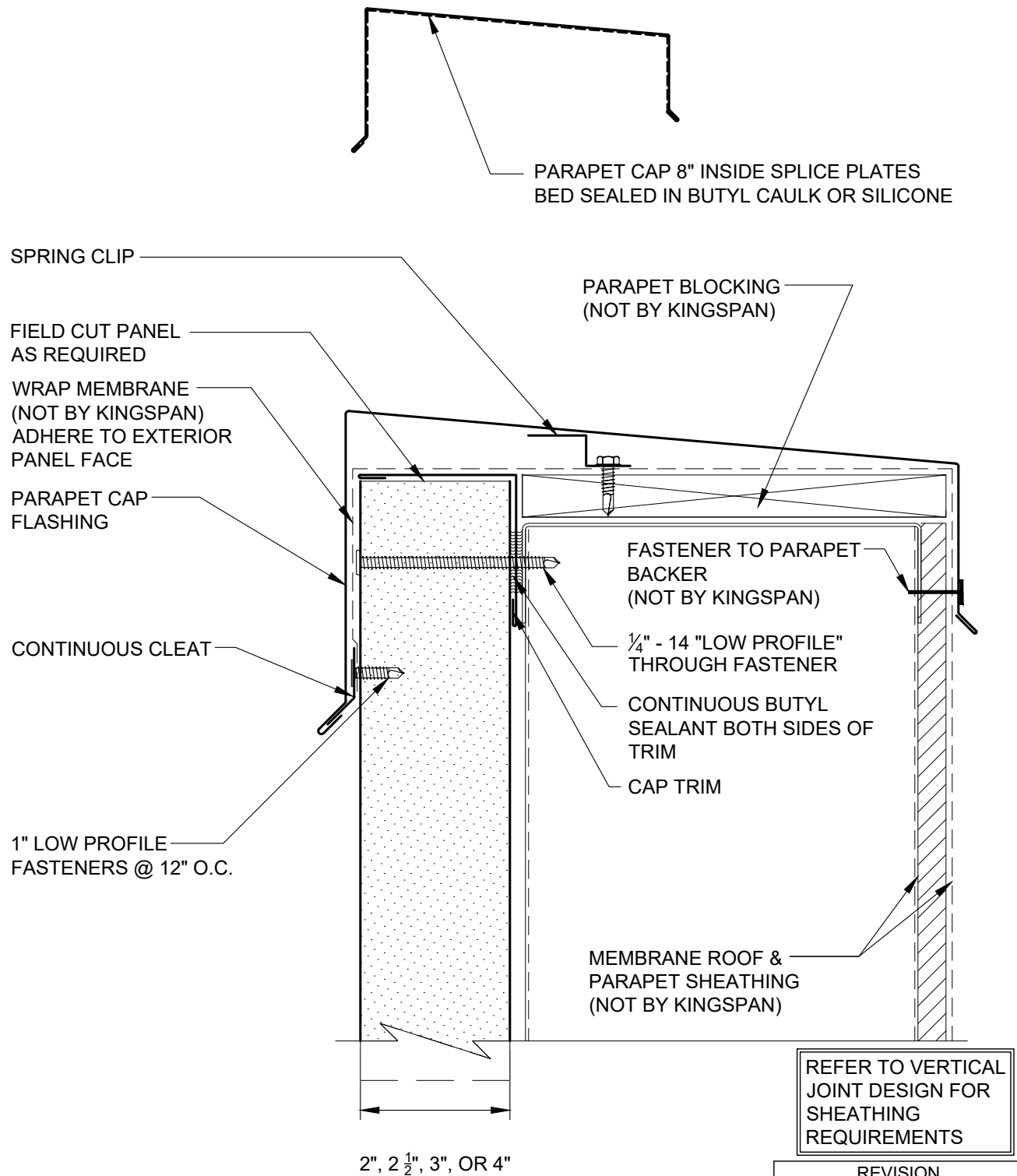
REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
2	12/08/23

PARAPET W/ FLUSH
TRIM

DETAIL #: AR-PR-02-DW4H

RELEASE: 2024

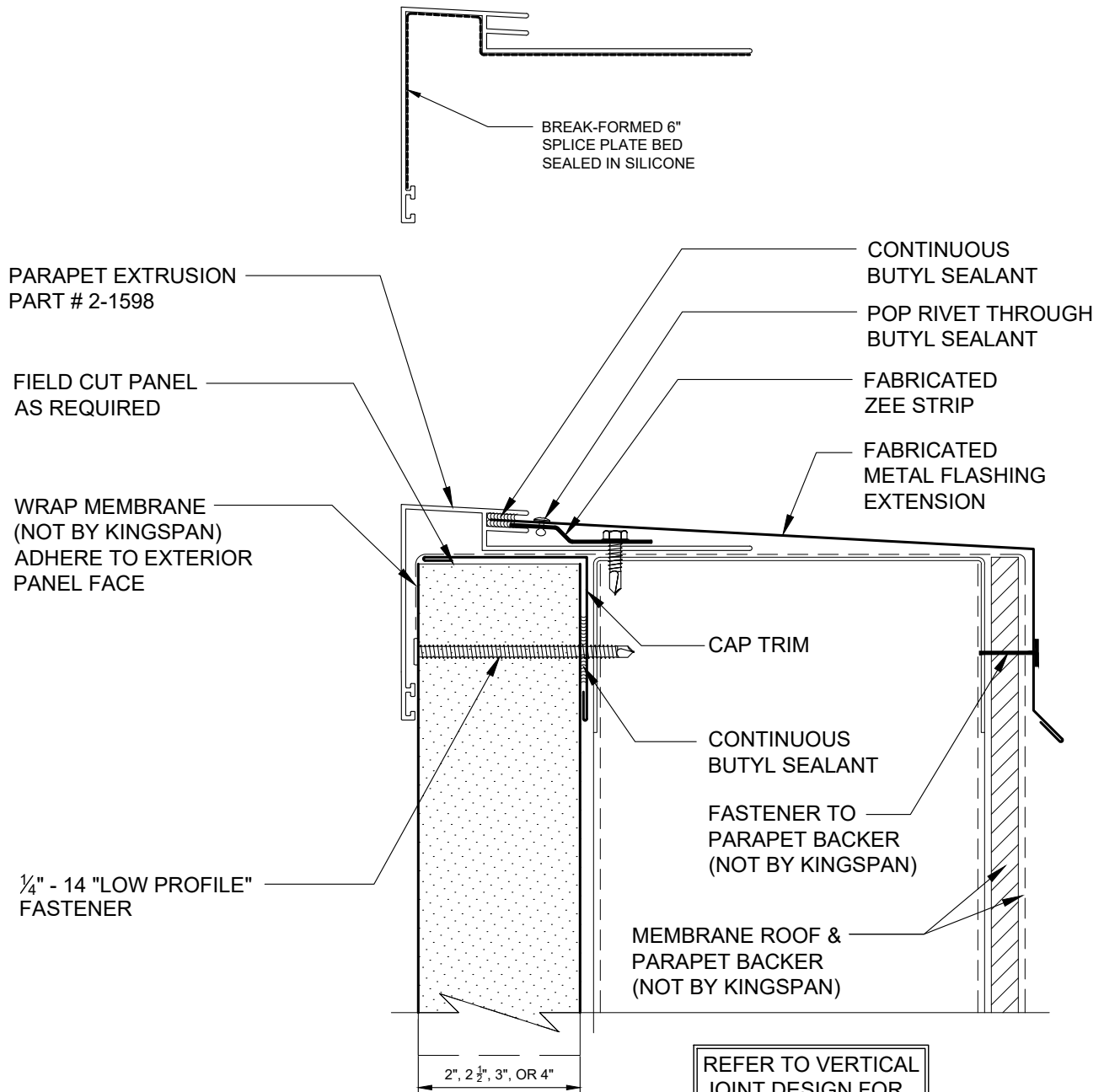
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REFER TO VERTICAL
JOINT DESIGN FOR
SHEATHING
REQUIREMENTS

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REVISION #	DATE
2	12/08/23

PARAPET W/ PARAPET
EXTRUSION

DETAIL #: AR-PR-03-DW4H

RELEASE: 2024

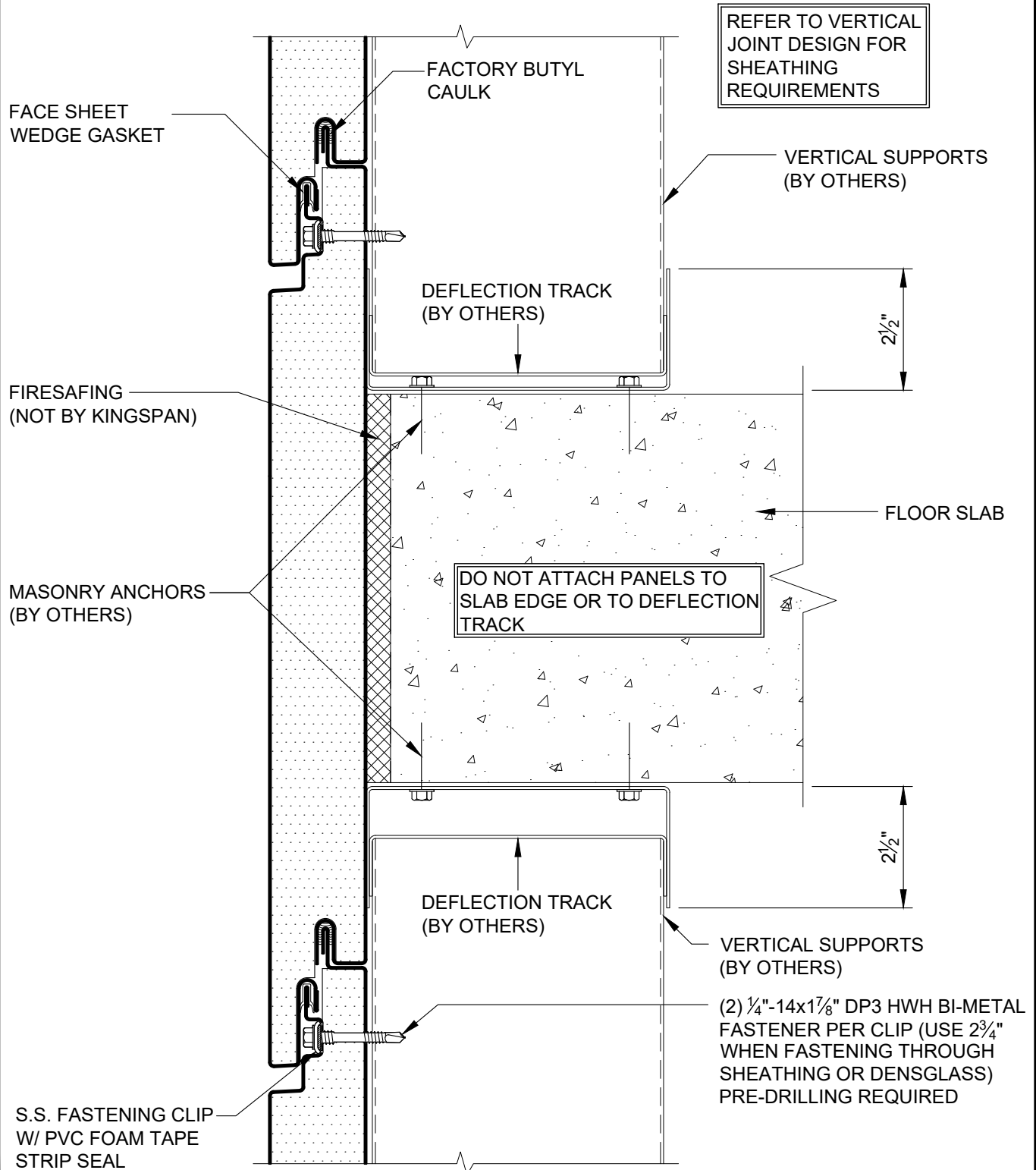
REGION: NORTH AMERICA

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SLAB EDGE DETAIL

DETAIL #: AR-SE-01-DW4H

RELEASE: 2024

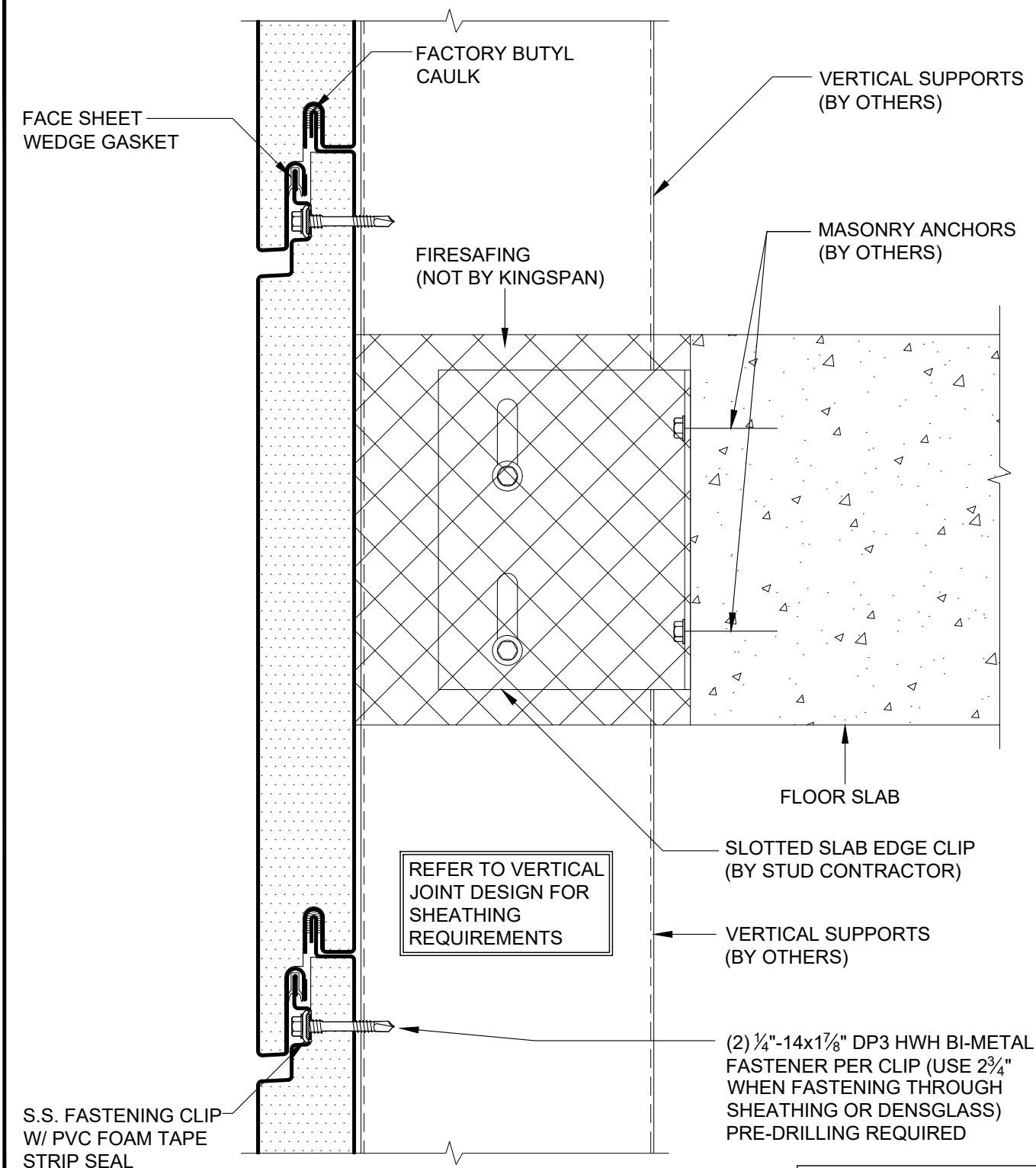
REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
2	12/08/23

SLAB EDGE DETAIL

DETAIL #: AR-SE-02-DW4H

RELEASE: 2024

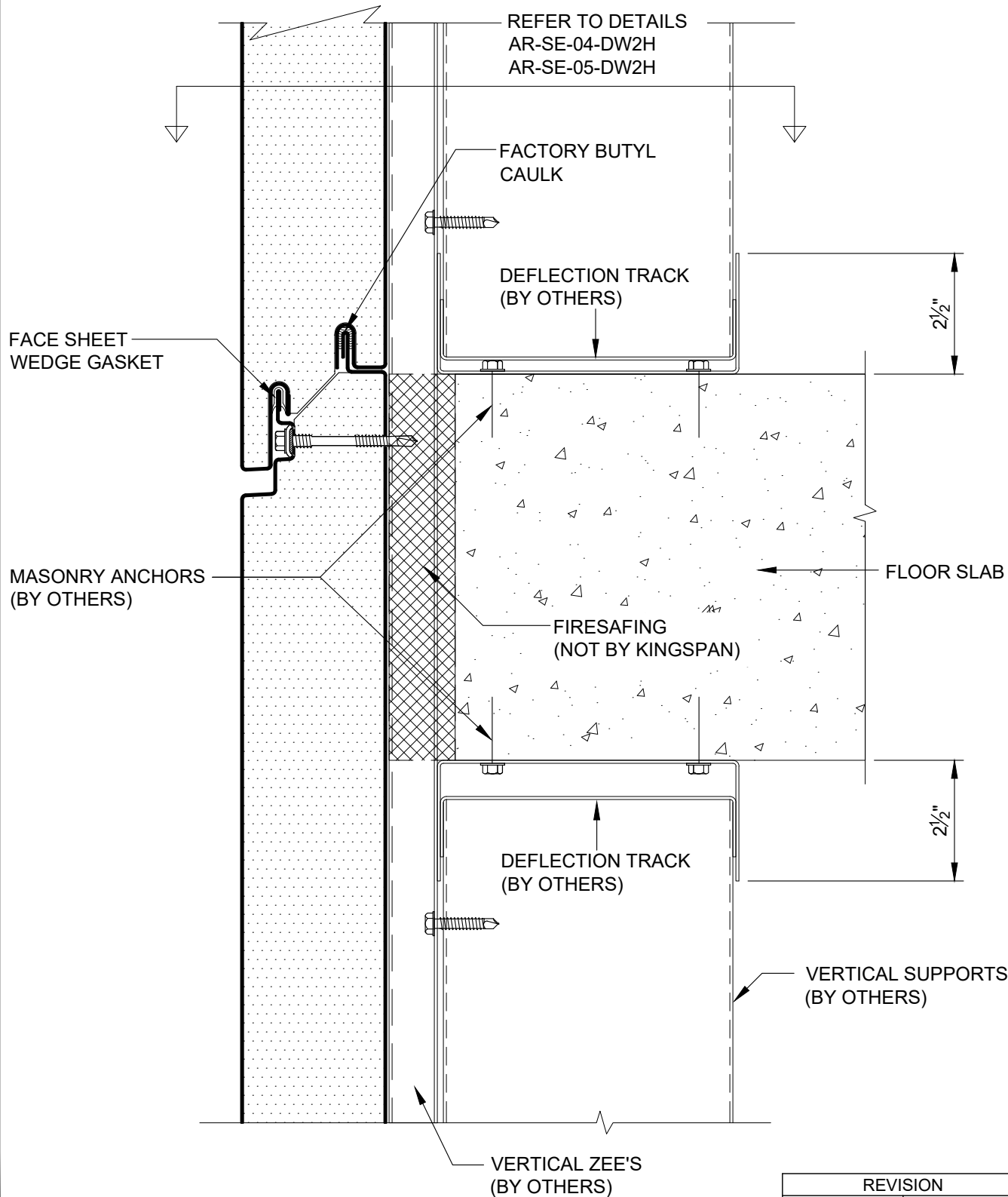
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REVISION #	DATE
2	12/08/23

SLAB EDGE DETAIL

DETAIL #: AR-SE-03-DW4H

RELEASE: 2024

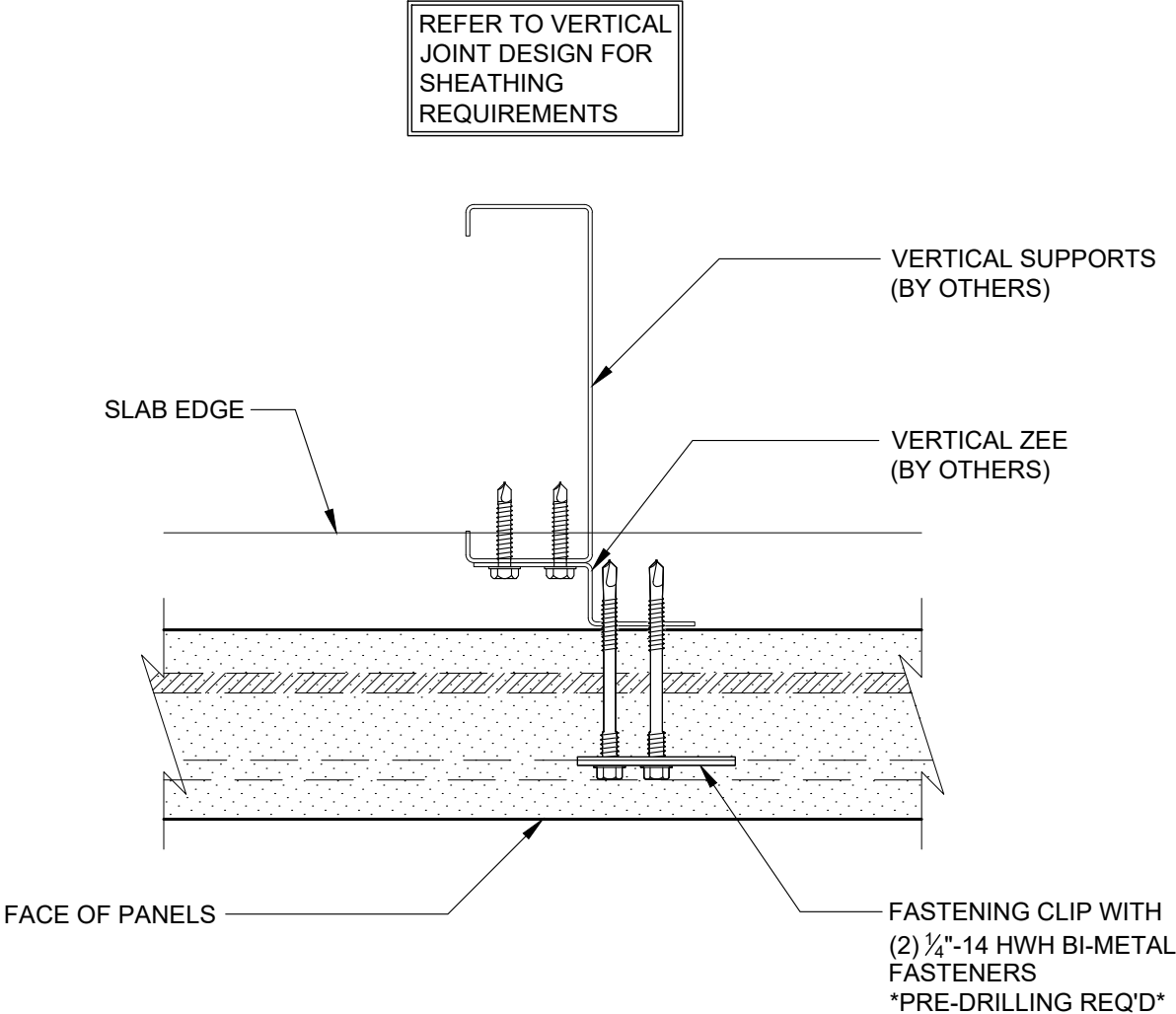
REGION: NORTH AMERICA

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REVISION #	DATE
2	12/08/23

SLAB EDGE DETAIL

DETAIL #: AR-SE-04-DW4H

RELEASE: 2024

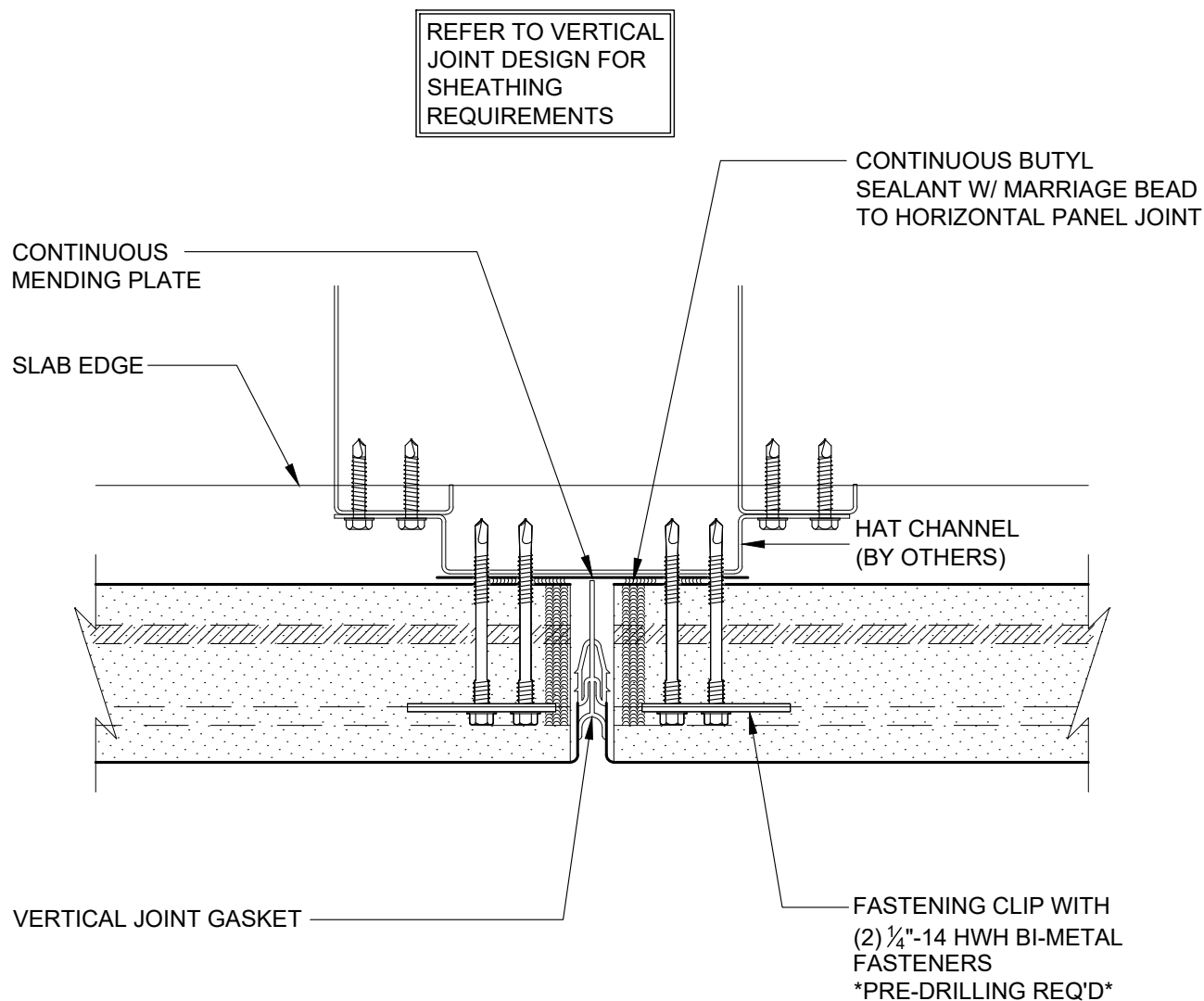
REGION: NORTH AMERICA

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REVISION #	DATE
2	12/08/23

SLAB EDGE DETAIL

DETAIL #: AR-SE-05-DW4H

RELEASE: 2024

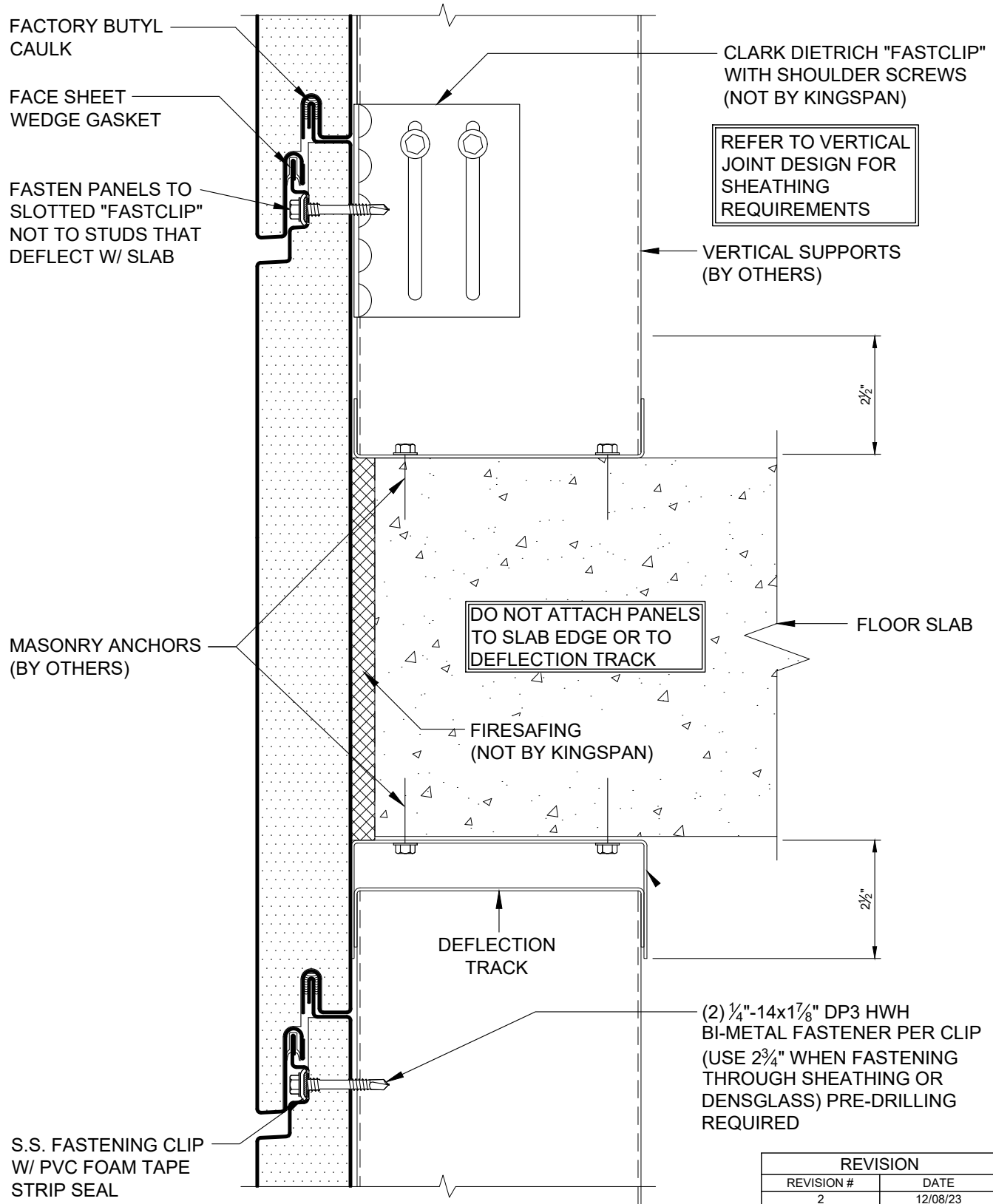
REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
2	12/08/23

SLAB EDGE DETAIL
WITH INBOARD METAL
STUDS

DETAIL #: AR-SE-06-DW4H

RELEASE: 2024

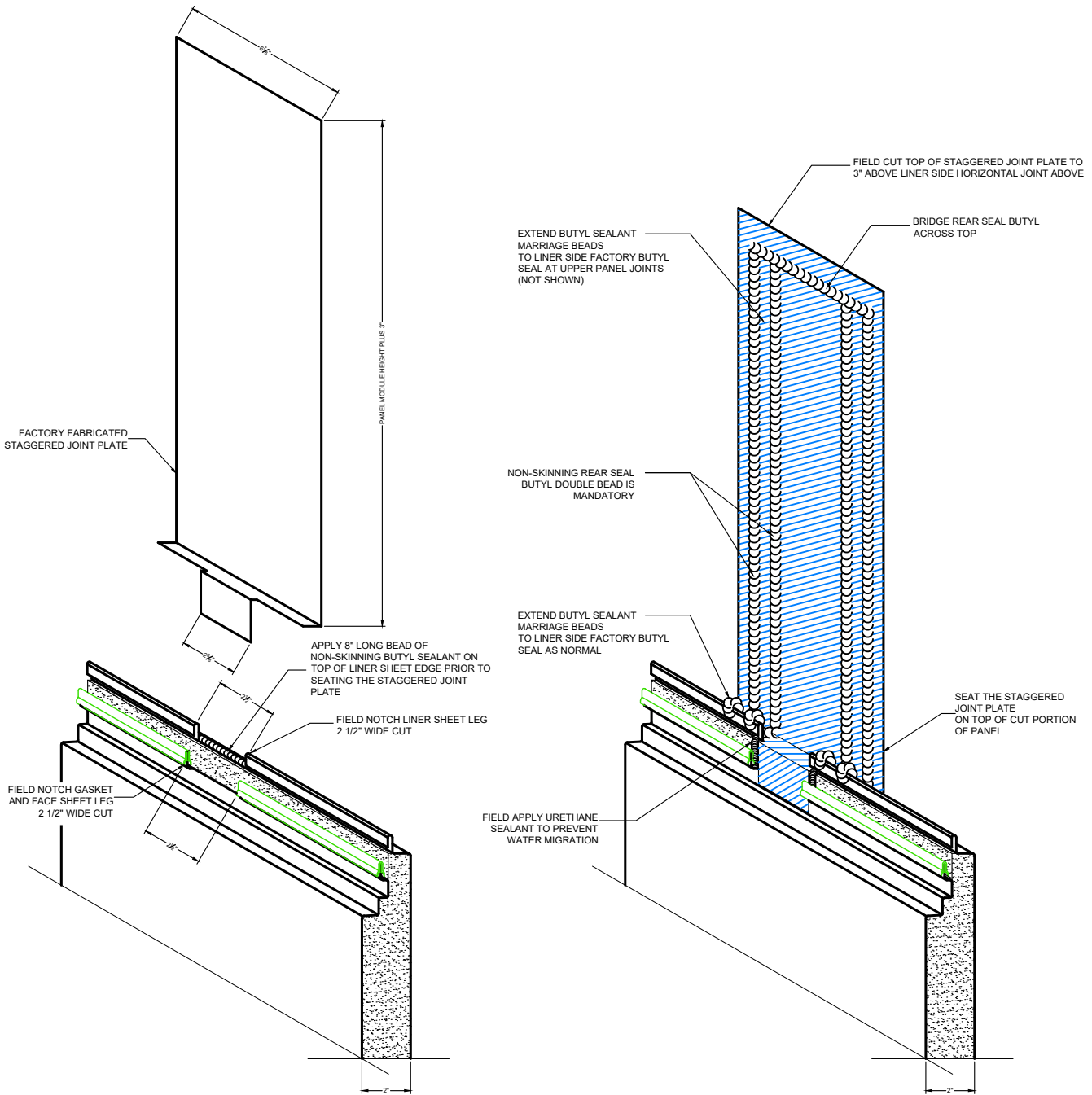
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2" STAGGERED PANEL JOINT

DETAIL #: AR-SJ-01-DW4H

RELEASE: 2024

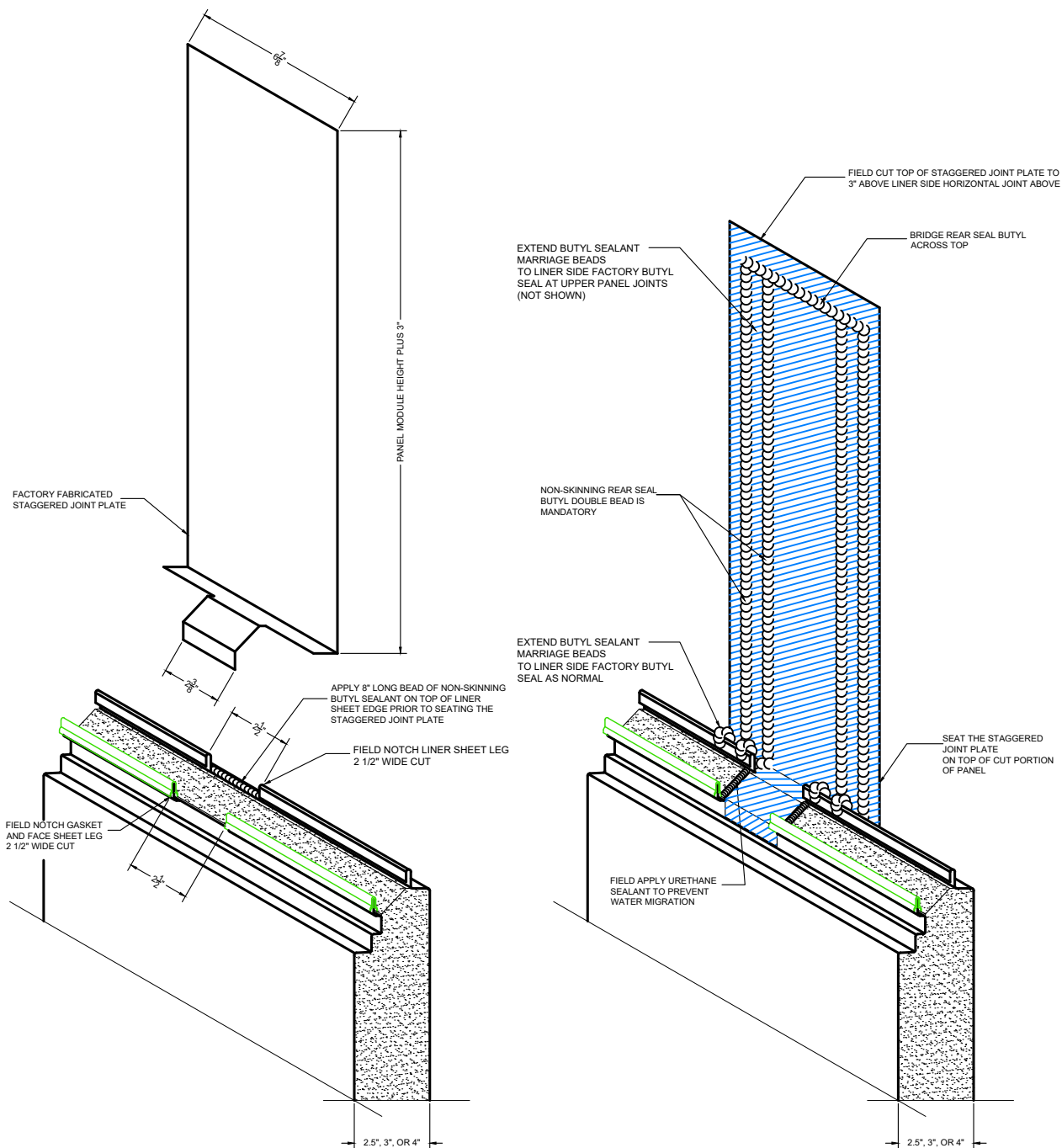
REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
0	5/16/22

2.5", 3", 4" STAGGERED
PANEL JOINT

DETAIL #: AR-SM-01-DW4H

RELEASE: 2024

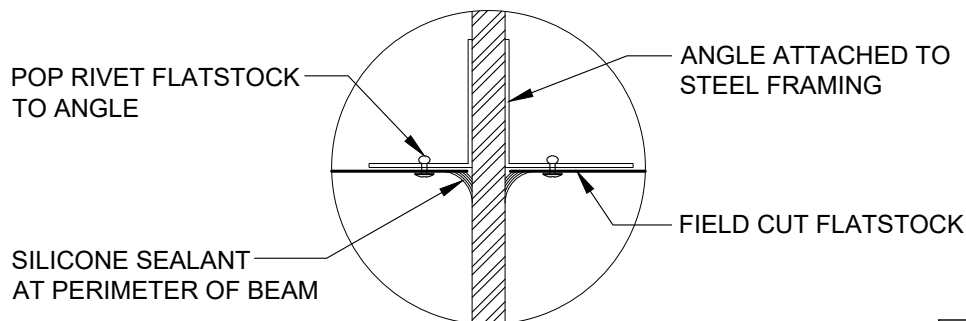
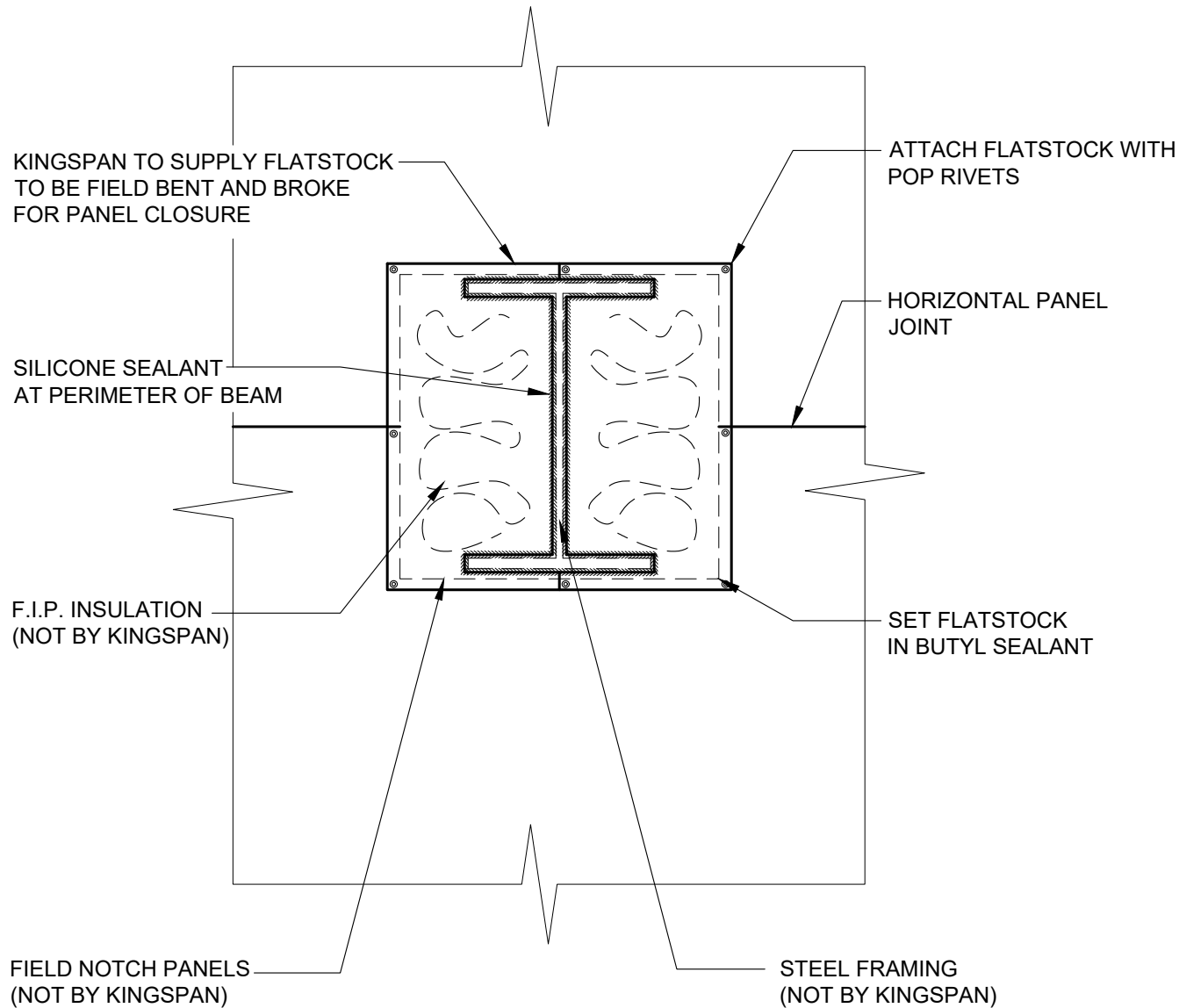
REGION: NORTH AMERICA

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REVISION	
REVISION #	DATE
2	12/08/23

BEAM PENETRATION

DETAIL #: AR-PN-01-DW4H

RELEASE: 2024

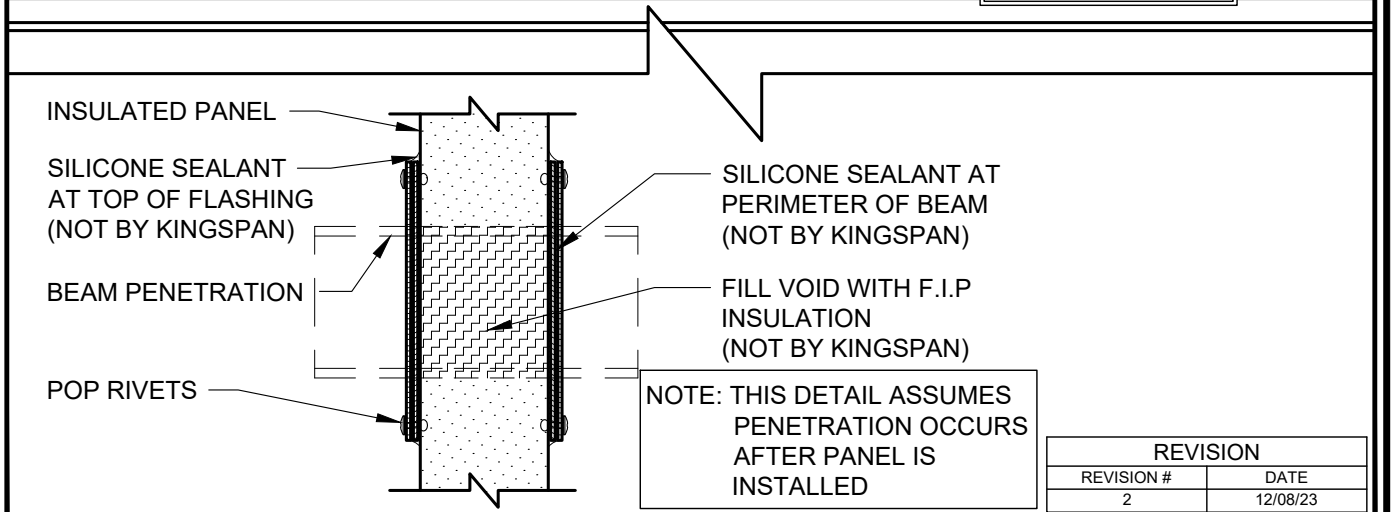
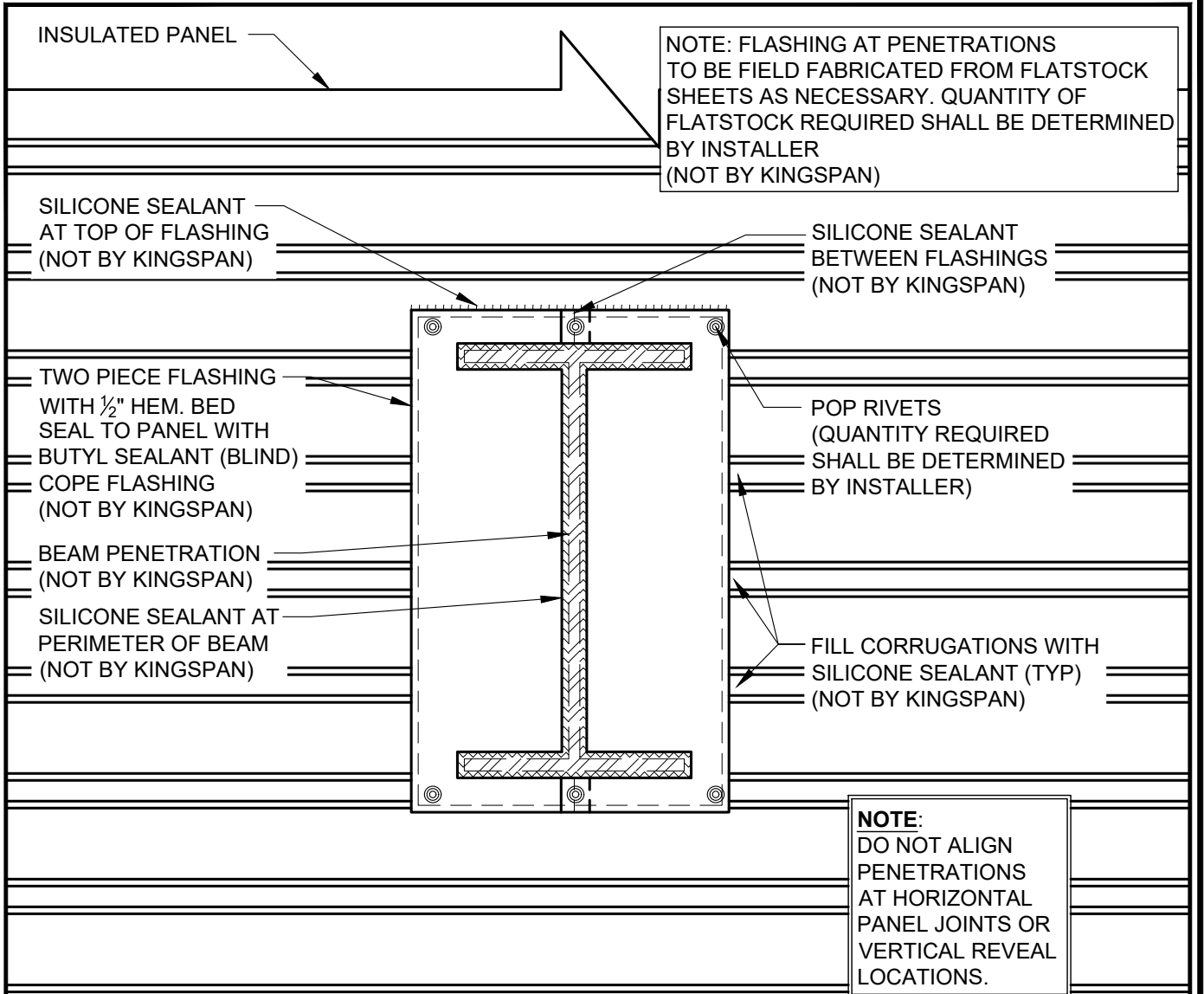
REGION: NORTH AMERICA

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BEAM PENETRATION

DETAIL #: AR-PN-02-DW4H

RELEASE: 2024

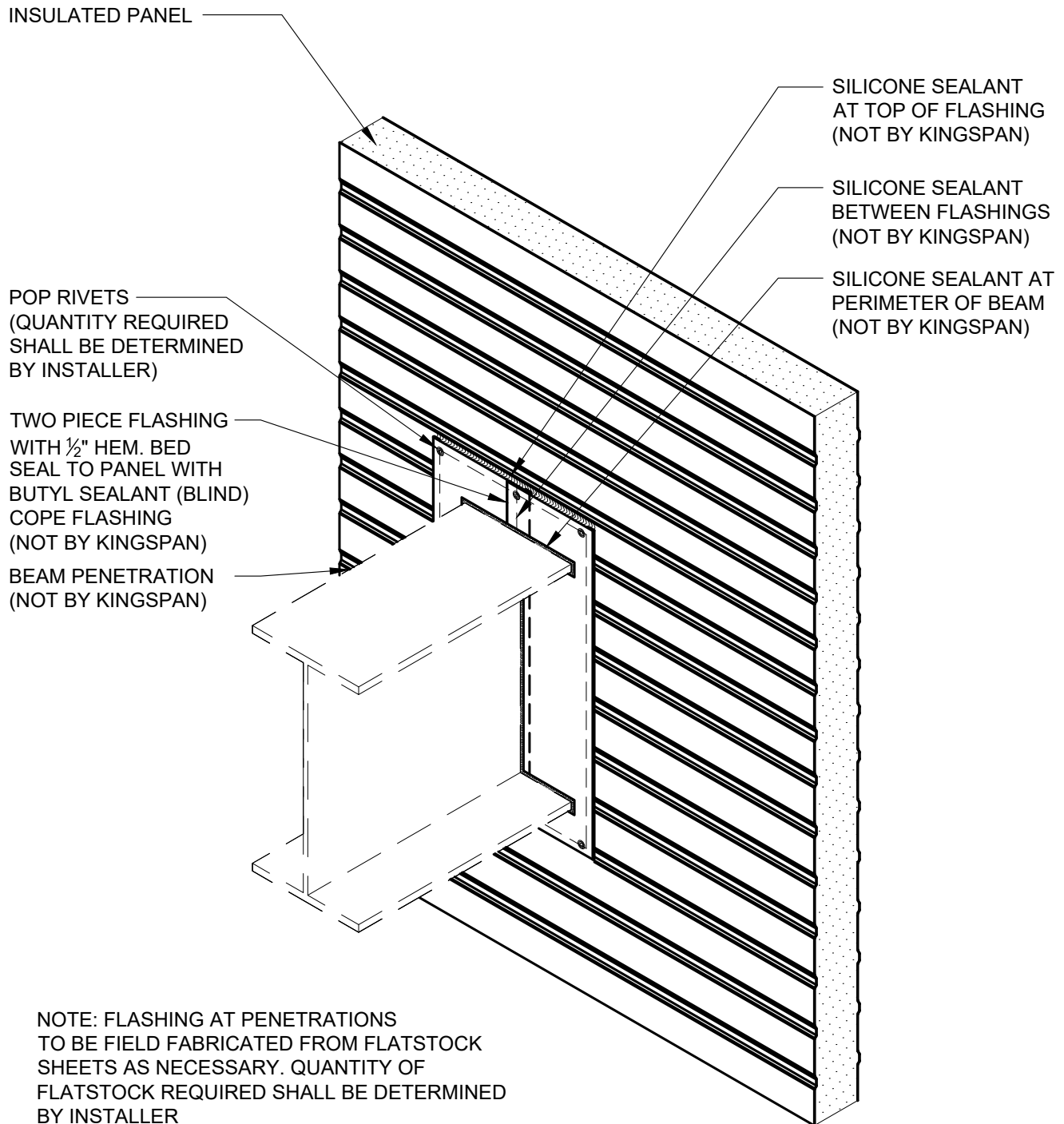
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NOTE: FLASHING AT PENETRATIONS TO BE FIELD FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY. QUANTITY OF FLATSTOCK REQUIRED SHALL BE DETERMINED BY INSTALLER (NOT BY KINGSPAN)

NOTE: THIS DETAIL ASSUMES PENETRATION OCCURS AFTER PANEL IS INSTALLED

NOTE:
DO NOT ALIGN PENETRATIONS AT PANEL JOINT LOCATIONS.

REVISION	
REVISION #	DATE
2	12/08/23

BEAM PENETRATION
ISOMETRIC

DETAIL #: AR-PN-03-DW4H

RELEASE: 2024

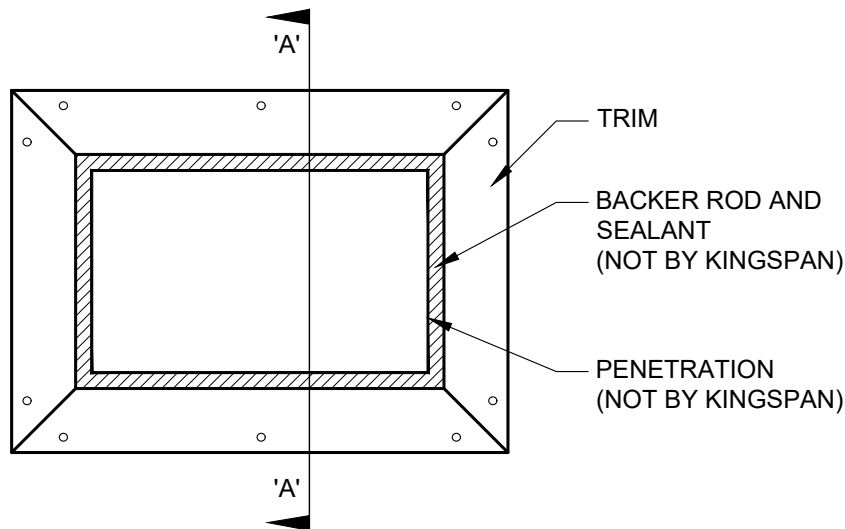
REGION: NORTH AMERICA

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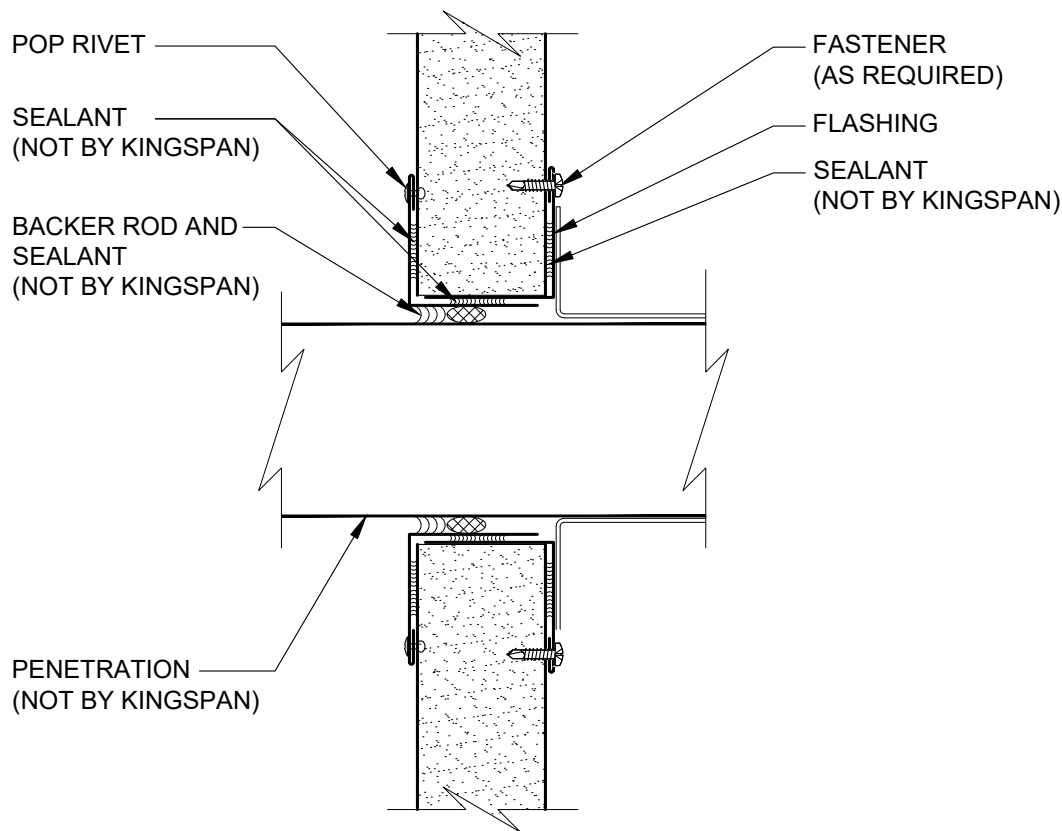


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ELEVATION



SECTION 'A-A'

NOTES: 1. DO NOT ALIGN PENETRATIONS AT PANEL JOINT LOCATIONS.

2. FLASHING AT PENETRATIONS TO BE FIELD FABRICATED FROM FLATSTOCK SHEETS AS NECESSARY

REVISION	
REVISION #	DATE
2	12/08/23

SQUARE PENETRATION

DETAIL #: AR-PN-04-DW4H

RELEASE: 2024

REGION: NORTH AMERICA

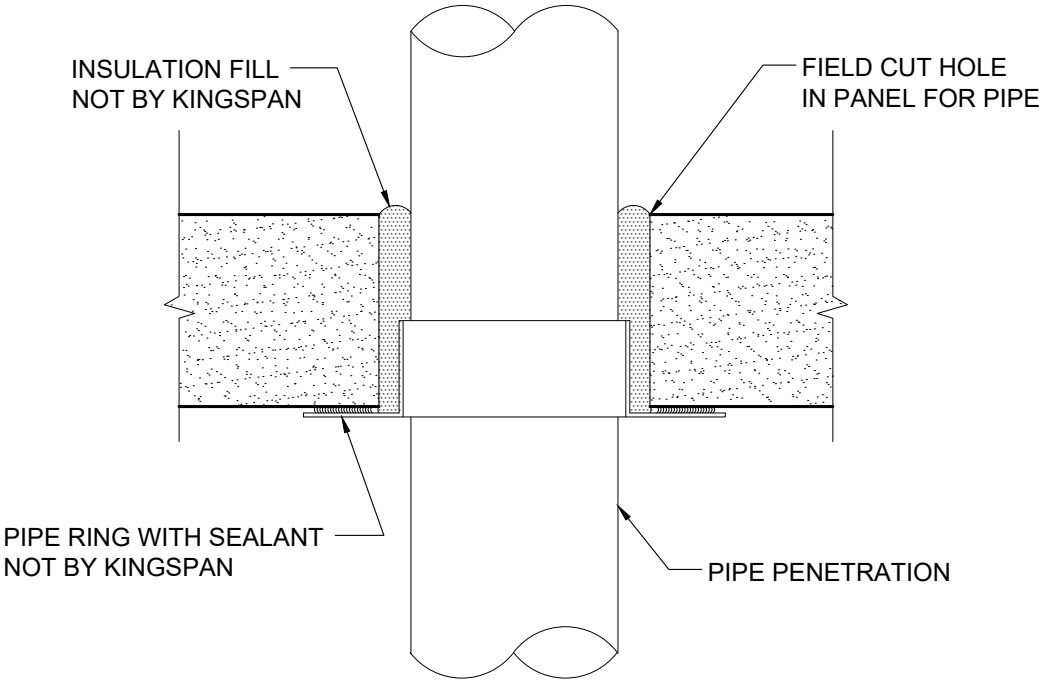
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Pipe Penetration Detail
Horizontal Application



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PIPE PENETRATION
SLEEVED

DETAIL #: AR-PN-05-DW4H

RELEASE: 2024

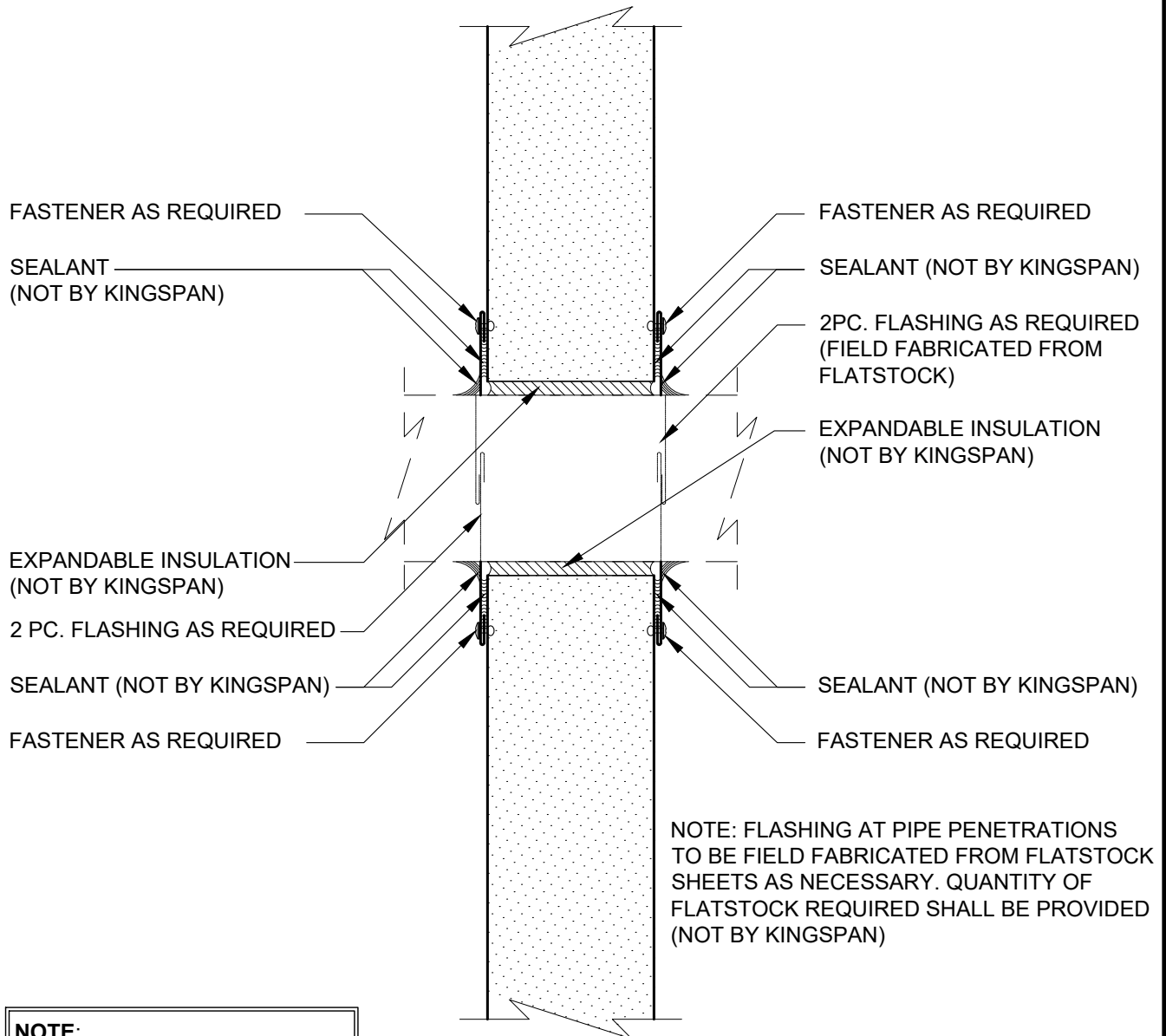
REGION: NORTH AMERICA

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NOTE:
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AT PANEL JOINT LOCATIONS.

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PIPE PENETRATION SECTION

DETAIL #: AR-PN-06-DW4H

RELEASE: 2024

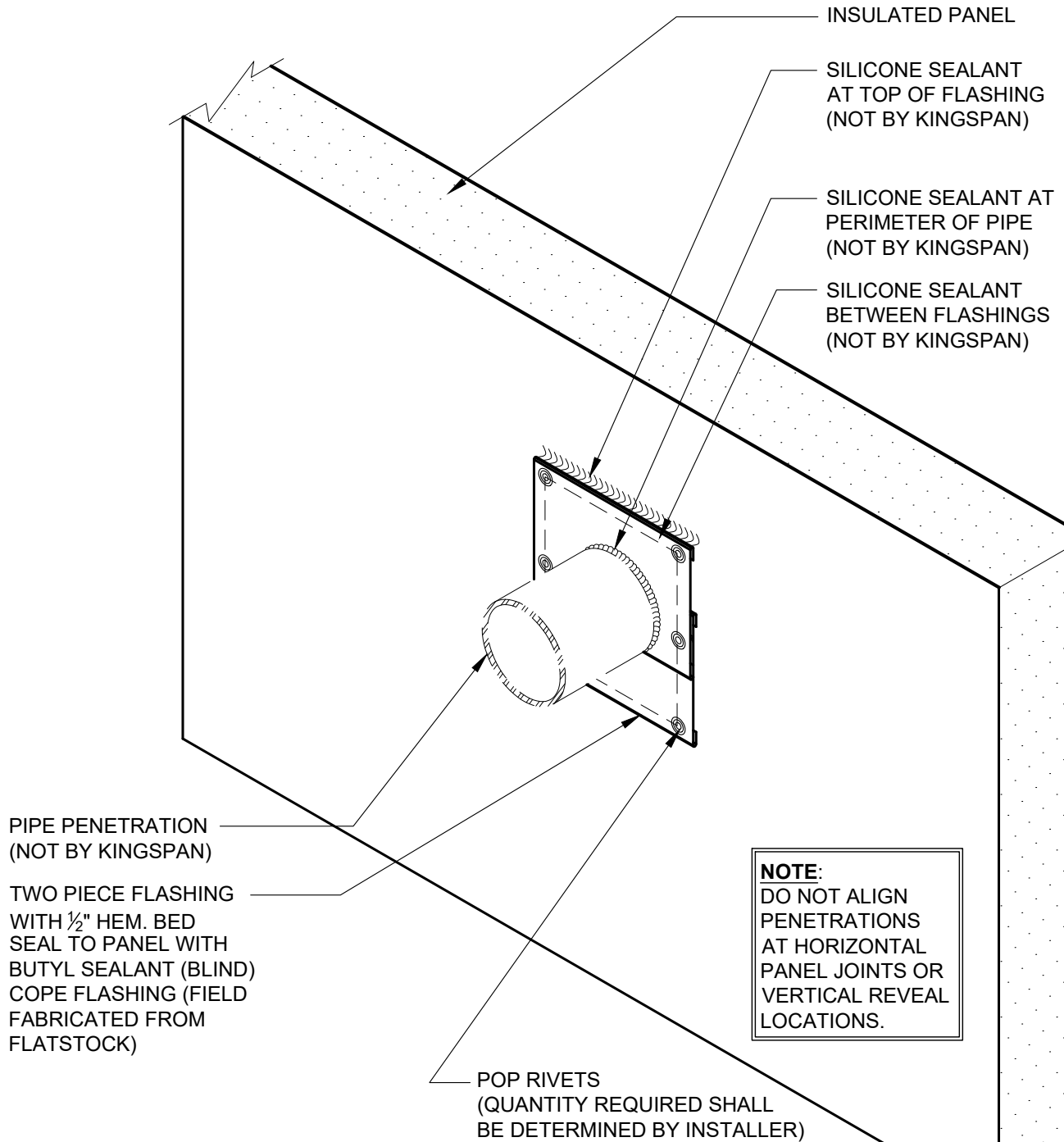
REGION: NORTH AMERICA

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NOTE:
THIS DETAIL ASSUMES
PENETRATION OCCURS
AFTER PANEL IS INSTALLED

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)

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REVISION #	DATE
2	12/08/23

PIPE PENETRATION
ISOMETRIC

DETAIL #: AR-PN-07-DW4H

RELEASE: 2024

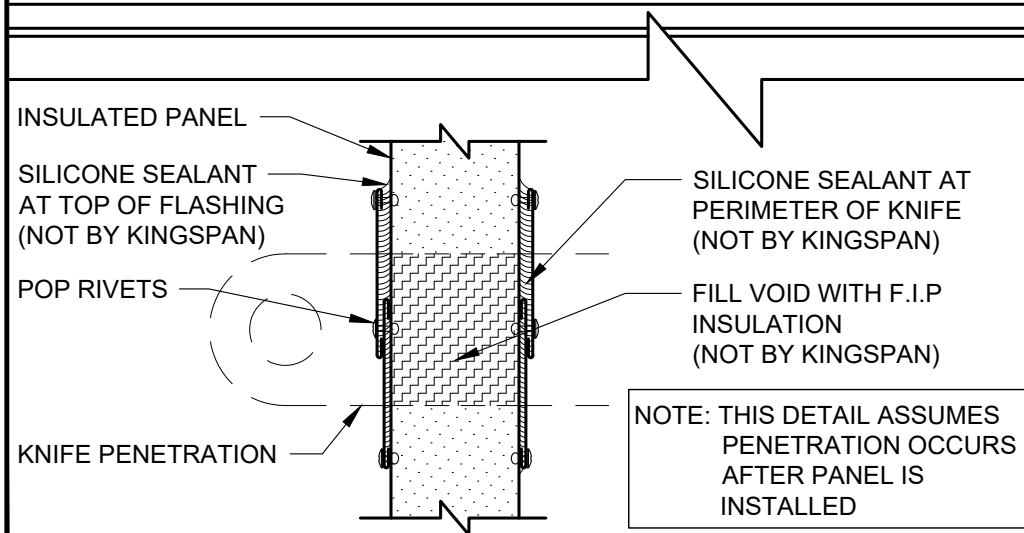
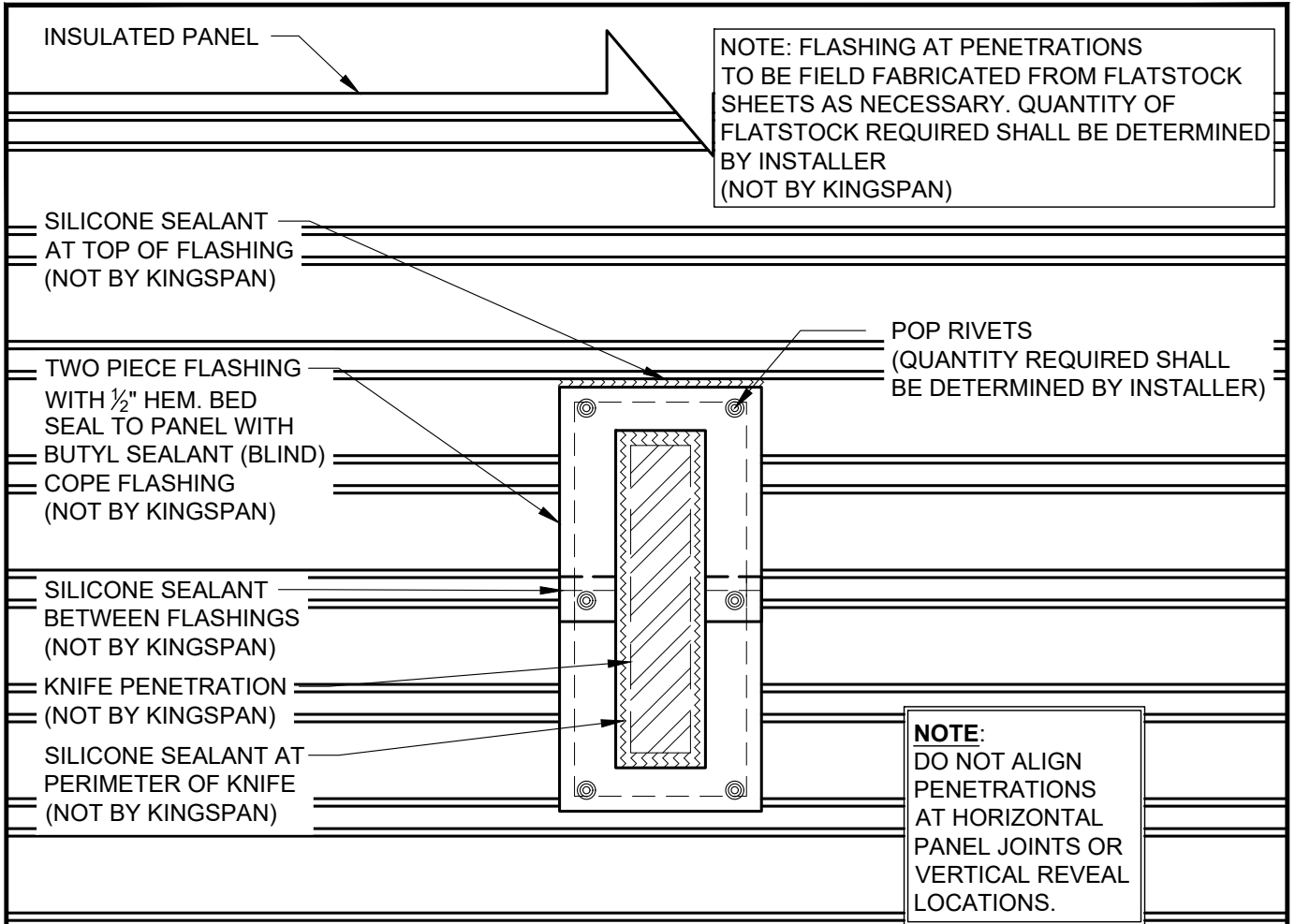
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KNIFE PLATE
PENETRATION

DETAIL #: AR-PN-08-DW4H

RELEASE: 2024

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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)

INSULATED PANEL

POP RIVETS
(QUANTITY REQUIRED
SHALL BE DETERMINED
BY INSTALLER)

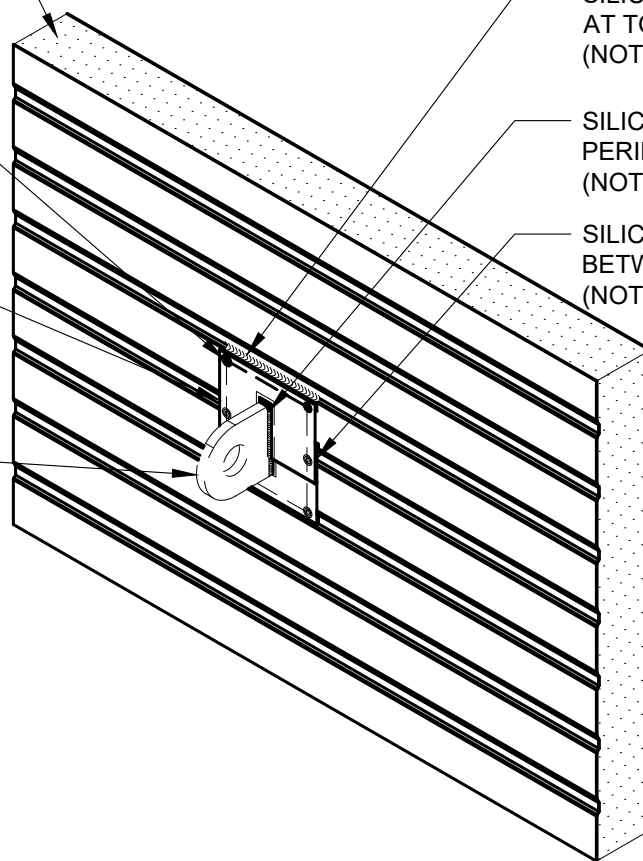
TWO PIECE FLASHING
WITH $\frac{1}{2}$ " HEM. BED
SEAL TO PANEL WITH
BUTYL SEALANT (BLIND)
COPE FLASHING
(NOT BY KINGSPAN)

KNIFE PENETRATION
(NOT BY KINGSPAN)

SILICONE SEALANT
AT TOP OF FLASHING
(NOT BY KINGSPAN)

SILICONE SEALANT AT
PERIMETER OF KNIFE
(NOT BY KINGSPAN)

SILICONE SEALANT
BETWEEN FLASHINGS
(NOT BY KINGSPAN)



NOTE: THIS DETAIL ASSUMES
PENETRATION OCCURS
AFTER PANEL IS INSTALLED

NOTE:
DO NOT ALIGN PENETRATIONS
AT PANEL JOINT LOCATIONS.

REVISION

REVISION #	DATE
2	12/08/23

KNIFE PLATE
PENETRATION
ISOMETRIC

DETAIL #: AR-PN-09-DW4H

RELEASE: 2024

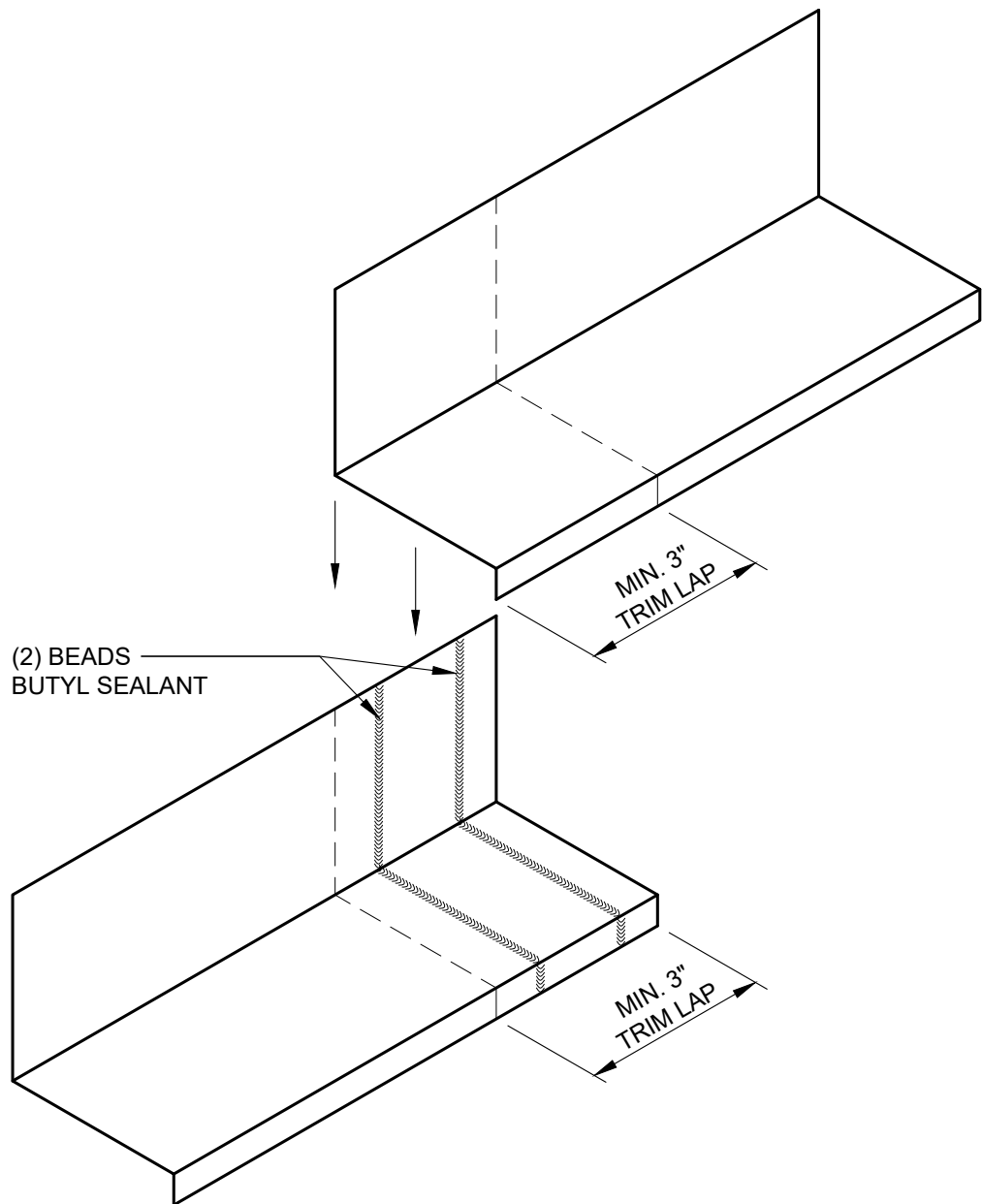
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REVISION #	DATE
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TRIM END LAP

DETAIL #: AR-TL-01-DW4H

RELEASE: 2024

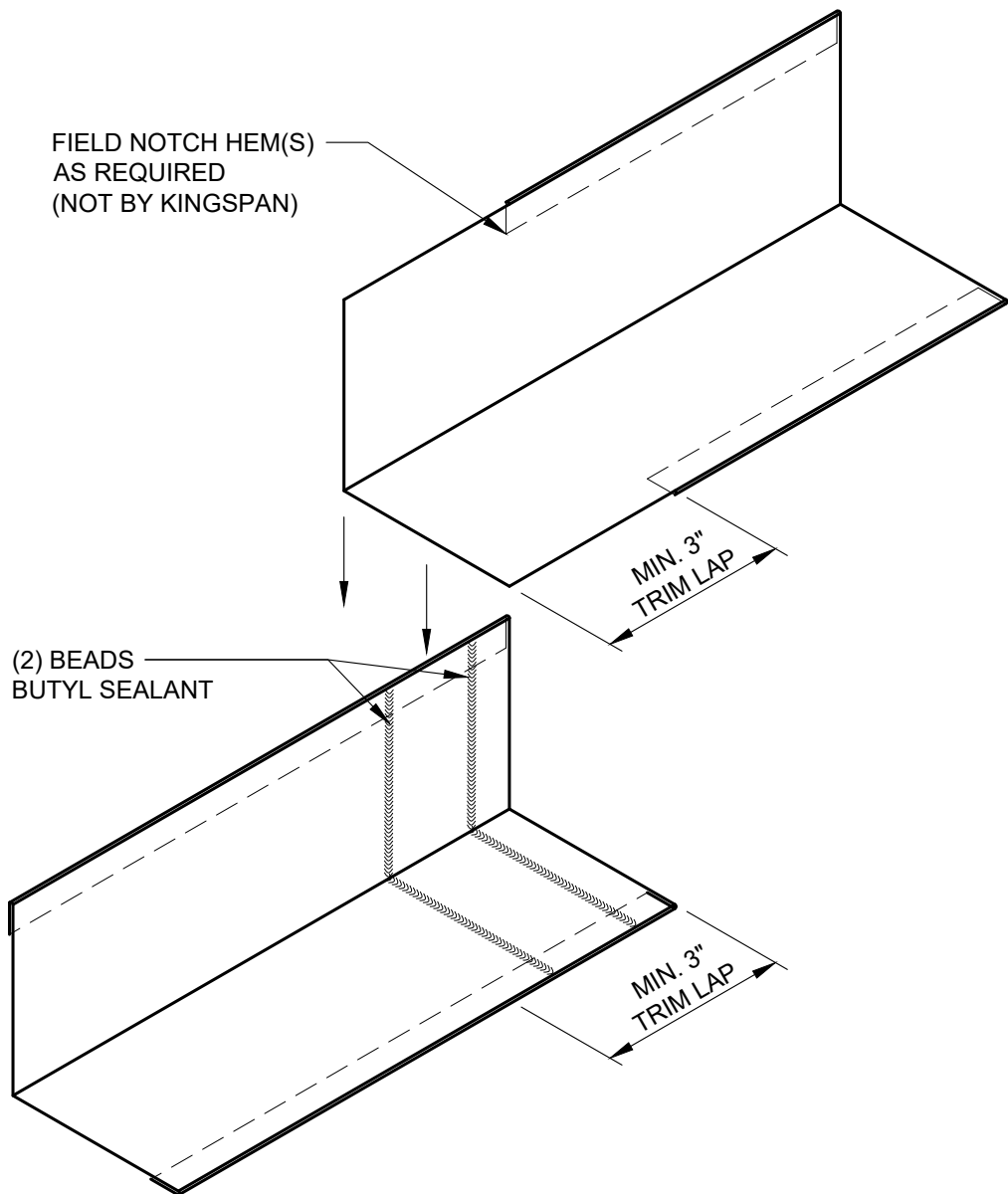
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REVISION #	DATE
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TRIM LAP WITH HEM

DETAIL #: AR-TL-02-DW4H

RELEASE: 2024

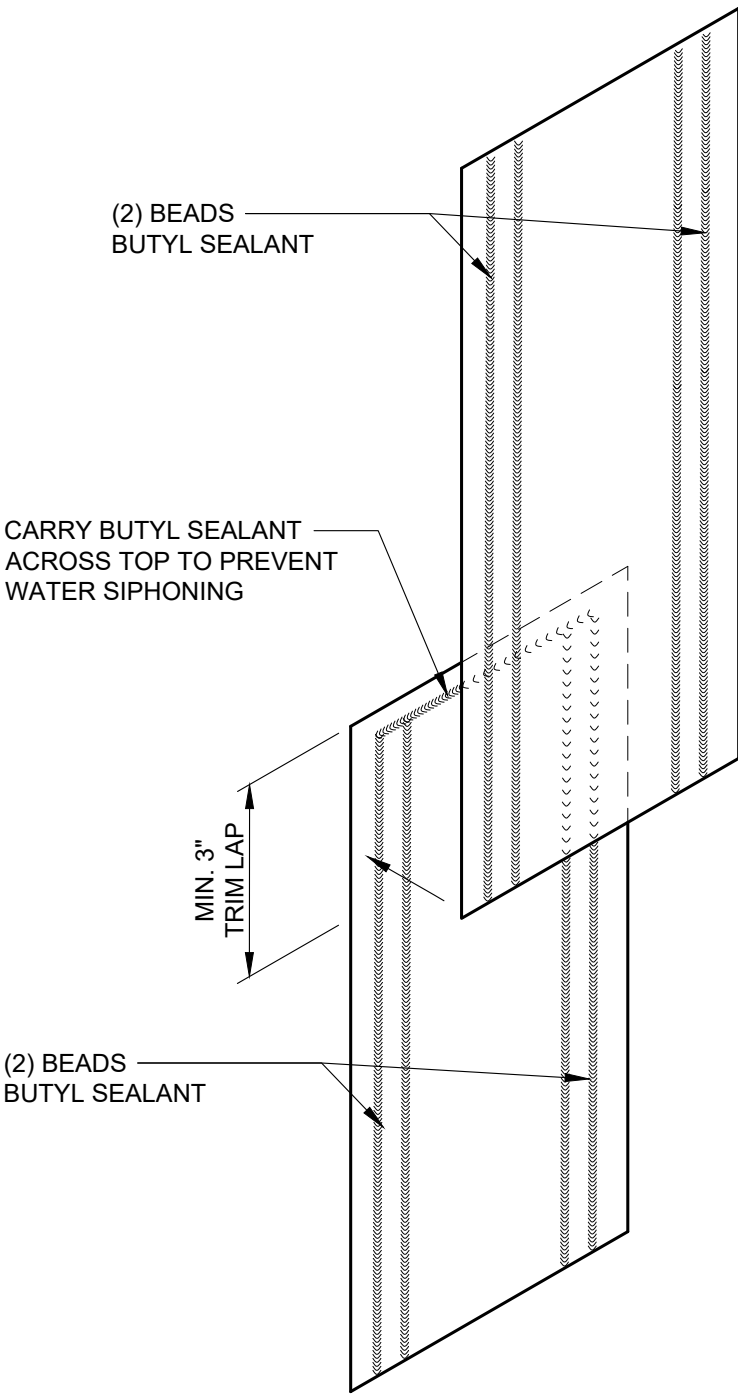
REGION: NORTH AMERICA

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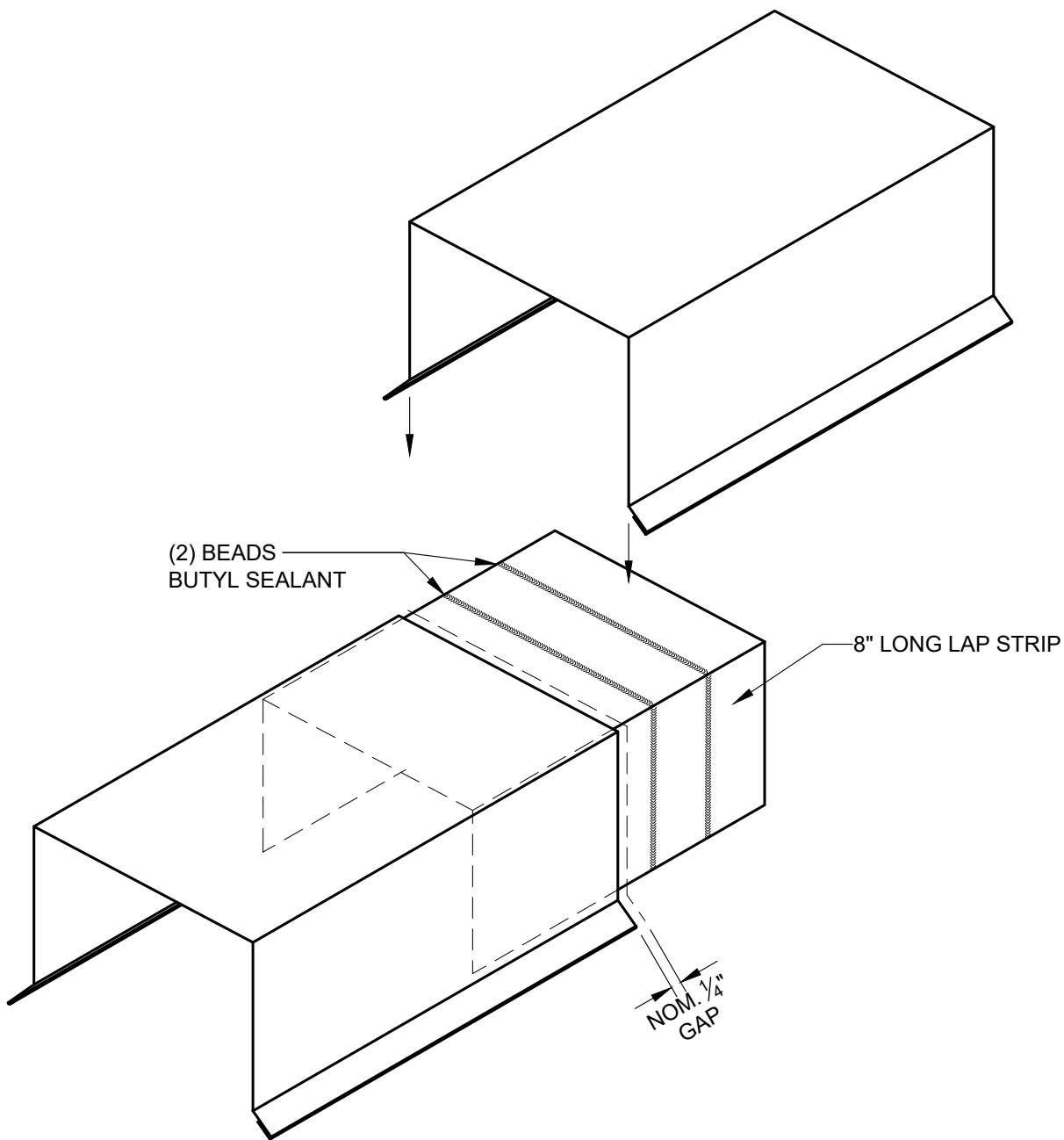
REVISION	
REVISION #	DATE
0	5/16/22

MENDING PLATE
"SHINGLE" LAP

DETAIL #: AR-TL-03-DW4H
RELEASE: 2024
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REVISION	
REVISION #	DATE
0	5/16/22

COPING LAP WITH LAP
STRIP

DETAIL #: AR-TL-04-DW4H

RELEASE: 2024

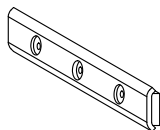
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FASTENING CLIP



VJ-1

2" FLAT PANEL
2 1/2" FLAT PANEL
EXTENDED REVEAL



VJ-2

2" FLAT PANEL
EXTENDED REVEAL



VJ-2.5

2 1/2" FLAT PANEL
3" FLAT PANEL
EXTENDED REVEAL



VJ-3

3" FLAT PANEL
4" FLAT PANEL
EXTENDED REVEAL



VJ-4

4" FLAT PANEL

VERTICAL JOINT GASKET
GASKET AVAILABLE IN
BLACK OR LIGHT GRAY

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ACCESSORIES

DETAIL #: AR-AC-01-DW4H

RELEASE: 2024

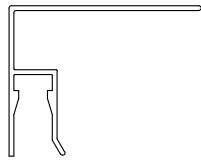
REGION: NORTH AMERICA

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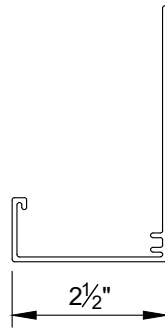


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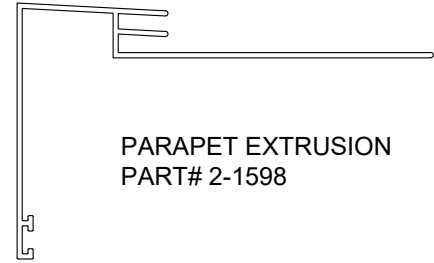
DW-4000 - HORIZONTAL INSTALLATION



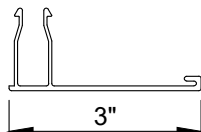
2" TWO PIECE
ENDWALL/JAMB
EXTRUSION RECEIVER
PART #2-0214



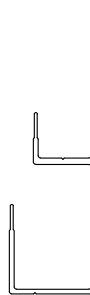
BASE EXTRUSION
PART# 2-0218



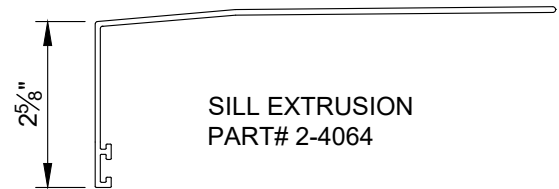
PARAPET EXTRUSION
PART# 2-1598



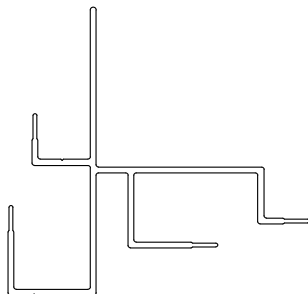
TWO PIECE ENDWALL/JAMB
EXTRUSION CAP
PART# 2-0215



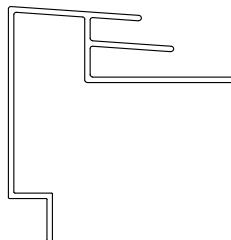
2" PANEL CONCEALED BASE
EXTRUSION PART# 2-3592



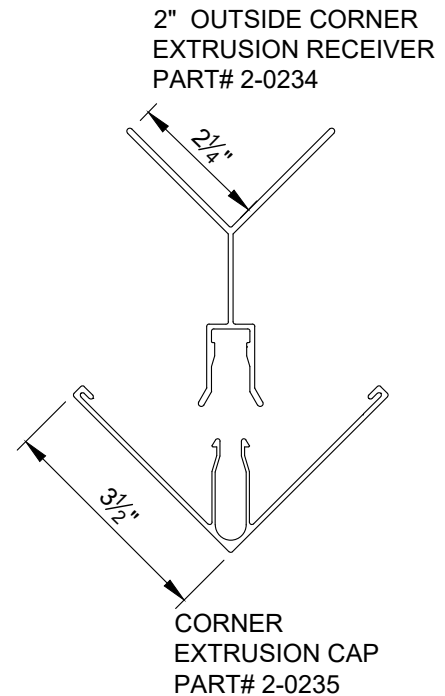
SILL EXTRUSION
PART# 2-4064



2" PANEL CONCEALED
SOFFIT EXTRUSION
PART# 2-3642



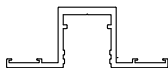
2" PANEL PARAPET
COPING PART# 2-3601



2" OUTSIDE CORNER
EXTRUSION RECEIVER
PART# 2-0234

CORNER
EXTRUSION CAP
PART# 2-0235

VERTICAL JOINT EXTRUSIONS



TOP HAT EXTRUSION
DIE #13950



FLUSH INSERT
DIE #13951



RECESSED
TOP HAT EXTRUSION
DIE #13949



RECESSED
INSERT
DIE #14101

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REVISION #	DATE
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2" EXTRUSIONS

DETAIL #: AR-EX-01a-DW4H

RELEASE: 2024

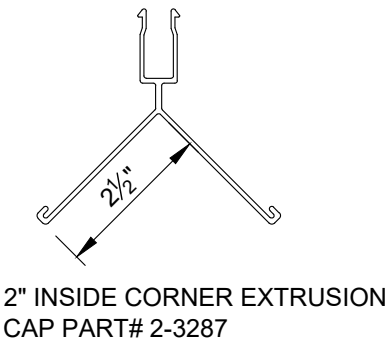
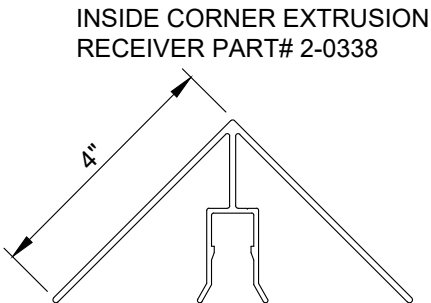
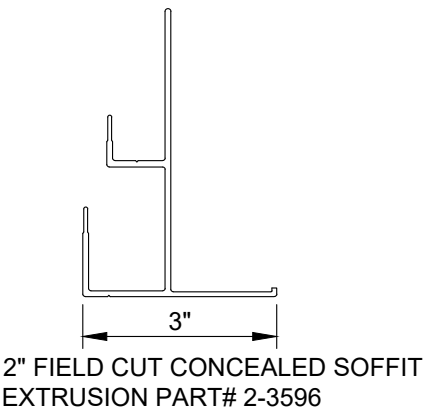
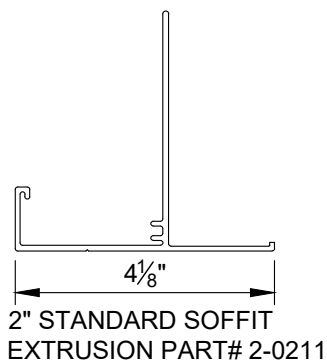
REGION: NORTH AMERICA

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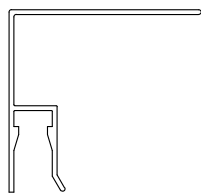
REVISION	
REVISION #	DATE
2	12/08/23

2" EXTRUSIONS

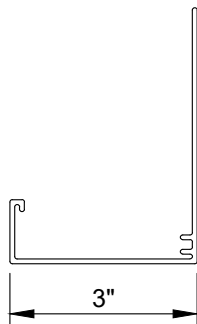
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RELEASE: 2024
REGION: NORTH AMERICA
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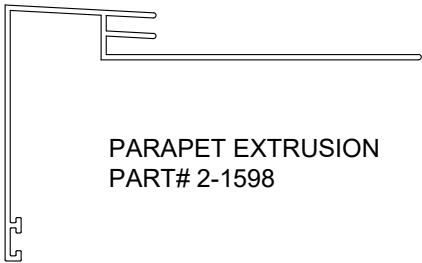
DW-4000 - HORIZONTAL INSTALLATION



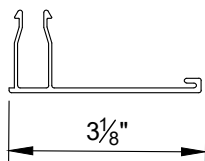
2.5" TWO PIECE
ENDWALL/JAMB
EXTRUSION RECEIVER
PART# 2-1063



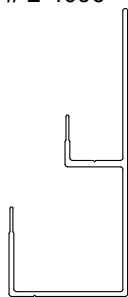
BASE EXTRUSION
PART# 2-4096



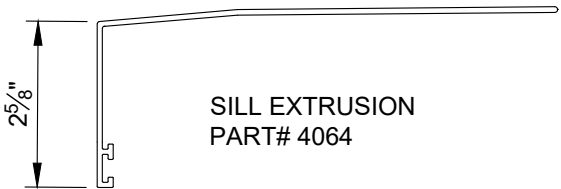
PARAPET EXTRUSION
PART# 2-1598



TWO PIECE ENDWALL/JAMB
EXTRUSION CAP
PART# 2-0215

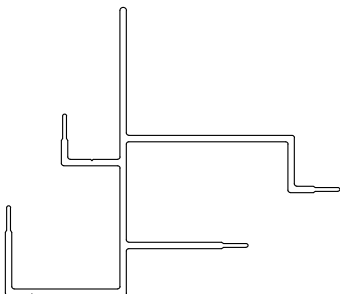
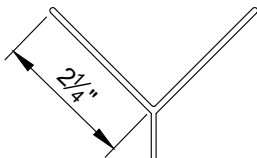


2.5" PANEL CONCEALED BASE
EXTRUSION PART# 2-3593

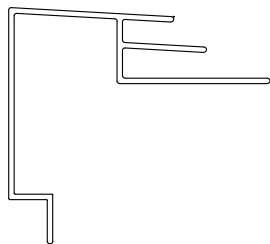


SILL EXTRUSION
PART# 4064

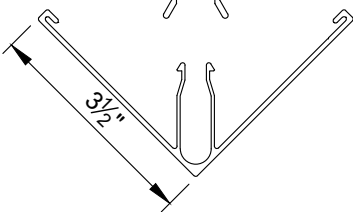
2.5" OUTSIDE CORNER
EXTRUSION RECEIVER
PART# 2-4093



2.5" PANEL CONCEALED
SOFFIT EXTRUSION
PART# 2-3643



2.5" PANEL PARAPET
COPING PART# 2-3603



CORNER
EXTRUSION CAP
PART# 2-0235

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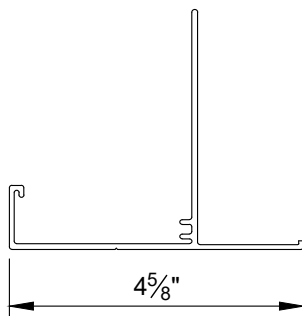
2.5" EXTRUSIONS

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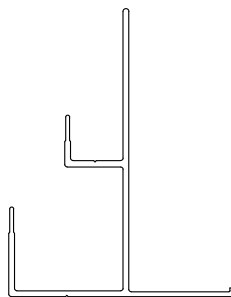


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2.5" STANDARD SOFFIT
EXTRUSION PART# 2-4031



2.5" FIELD CUT CONCEALED
SOFFIT EXTRUSION PART# 2-3598

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REVISION #	DATE
2	12/08/23

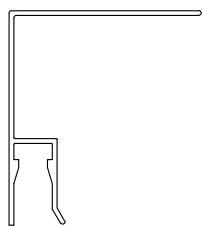
2.5" EXTRUSIONS

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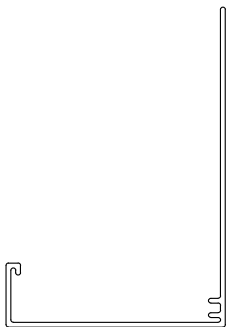


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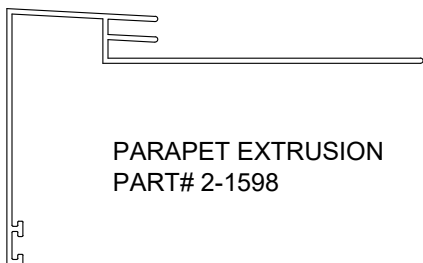
DW-4000 - HORIZONTAL INSTALLATION



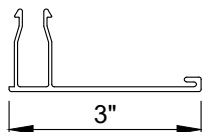
3" TWO PIECE
ENDWALL/JAMB
EXTRUSION RECEIVER
PART# 2-0269



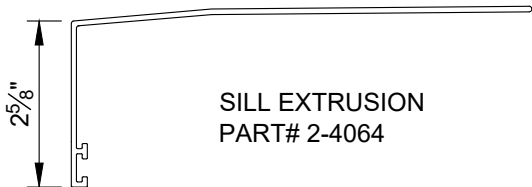
3 1/2"
BASE EXTRUSION
PART# 2-0227



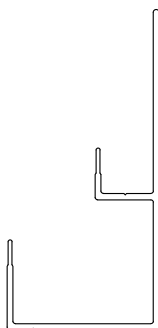
PARAPET EXTRUSION
PART# 2-1598



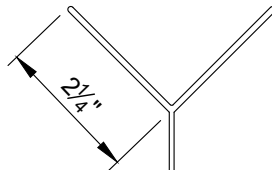
3"
TWO PIECE ENDWALL/JAMB
EXTRUSION CAP
PART# 2-0215



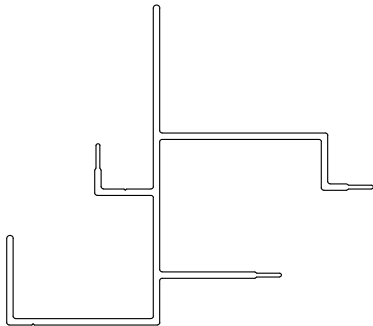
2 5/8"
SILL EXTRUSION
PART# 2-4064



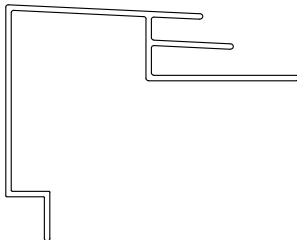
3" PANEL CONCEALED BASE
EXTRUSION PART# 2-3594



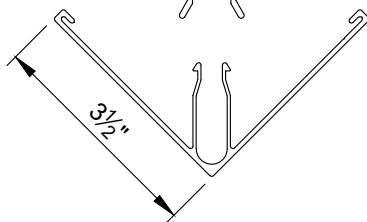
3" OUTSIDE CORNER
EXTRUSION RECEIVER
PART# 2-2178



3" PANEL CONCEALED
SOFFIT EXTRUSION
PART# 2-3644



3" PANEL PARAPET
COPING PART# 2-3604



3 1/2"
CORNER
EXTRUSION CAP
PART# 2-0235

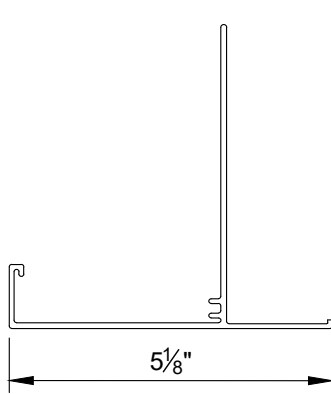
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3" EXTRUSIONS

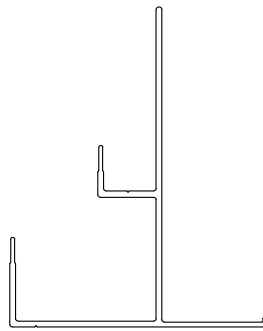
DETAIL #: AR-EX-03a-DW4H
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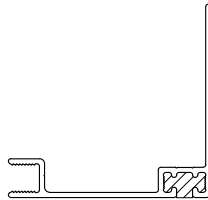
3" STANDARD SOFFIT
EXTRUSION PART # 2-0292



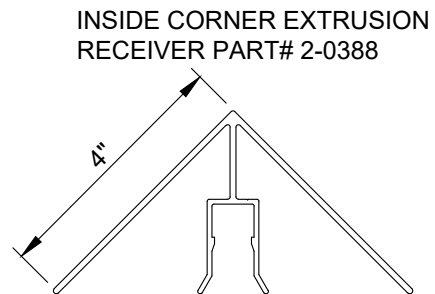
3" FIELD CUT CONCEALED SOFFIT
EXTRUSION PART# 2-3599



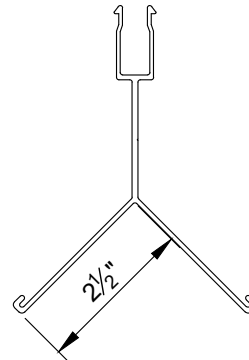
MALE ENDWALL
EXTRUSION
PART# 2-0215



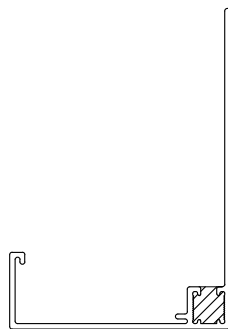
THERMALLY BROKEN FEMALE
ENDWALL
PART# 2-4267



INSIDE CORNER EXTRUSION
RECEIVER PART# 2-0388



3" INSIDE CORNER EXTRUSION
CAP PART# 2-2178



THERMALLY
BROKEN 3" BASE
EXTRUSION
PART# 2-4104

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3" EXTRUSIONS

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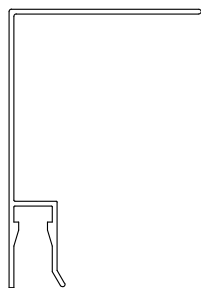
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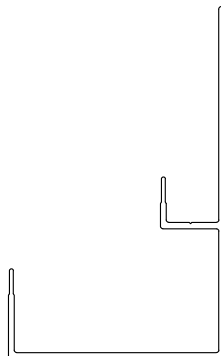


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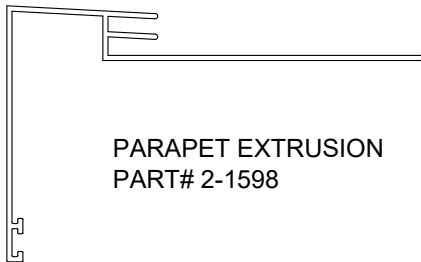
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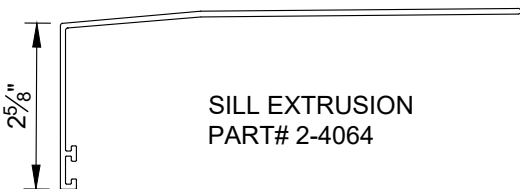
4" TWO PIECE
ENDWALL/JAMB
EXTRUSION RECEIVER
PART# 2-4266



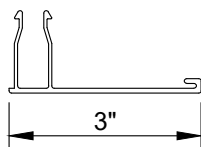
4" PANEL CONCEALED BASE
EXTRUSION PART# 2-3595



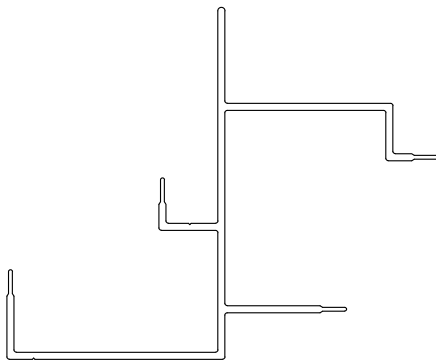
PARAPET EXTRUSION
PART# 2-1598



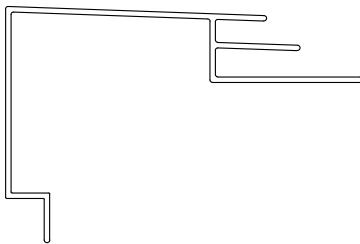
SILL EXTRUSION
PART# 2-4064



TWO PIECE ENDWALL/JAMB
EXTRUSION CAP
PART# 2-0215



4" PANEL CONCEALED
SOFFIT EXTRUSION
PART# 2-3645



4" PANEL PARAPET
COPING PART# 2-3605

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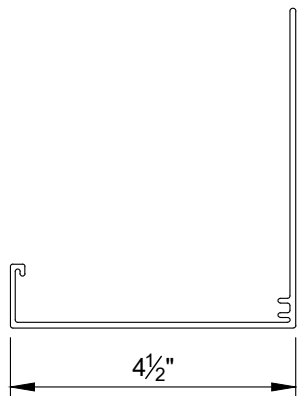
4" EXTRUSIONS

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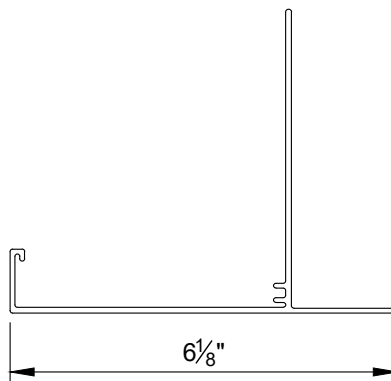


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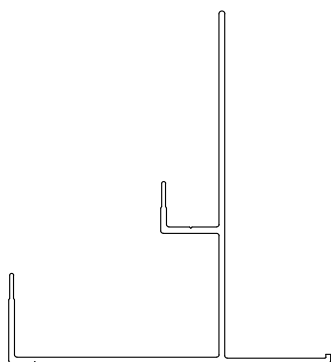
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4" STANDARD BASE
EXTRUSION PART# 2-4097

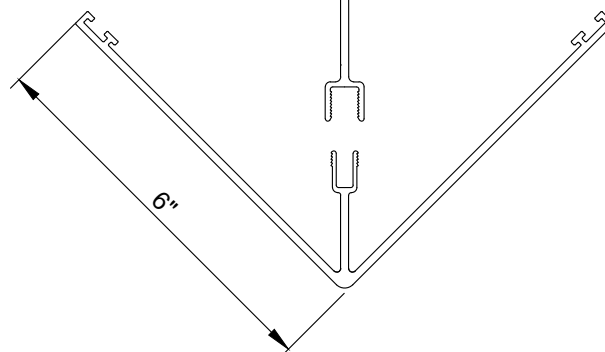
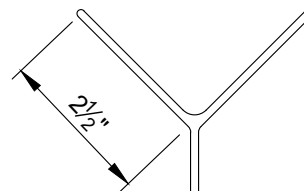


4" STANDARD SOFFIT
EXTRUSION PART# 2-4098



4" FIELD CUT CONCEALED
SOFFIT EXTRUSION
PART# 2-3600

4" OUTSIDE CORNER
EXTRUSION RECEIVER
PART# 2-4102



4" OUTSIDE CORNER
EXTRUSION CAP
PART# 2-4044

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4" EXTRUSIONS

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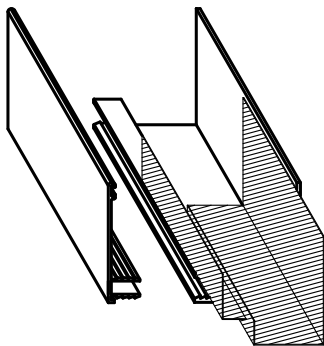
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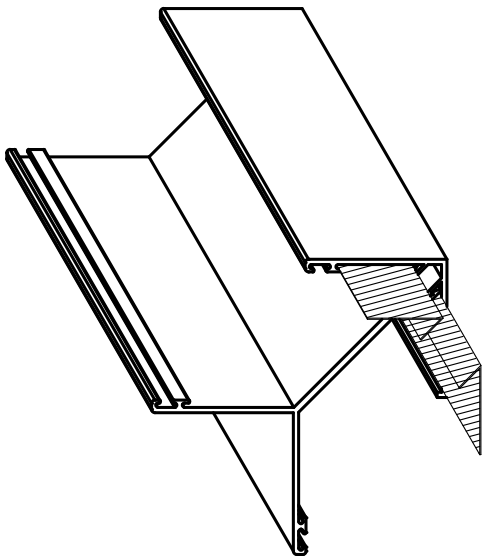
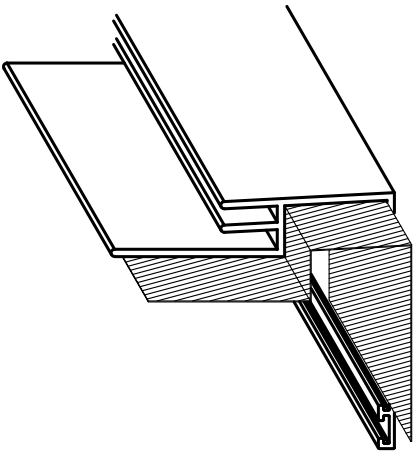


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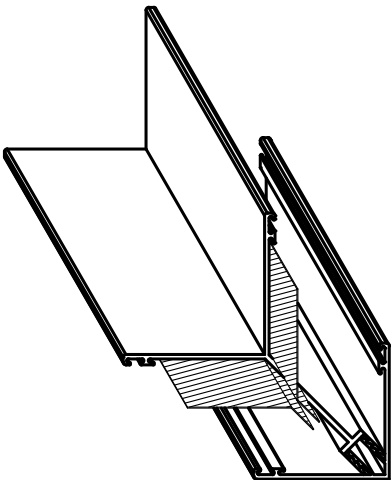
DW-4000 - HORIZONTAL INSTALLATION



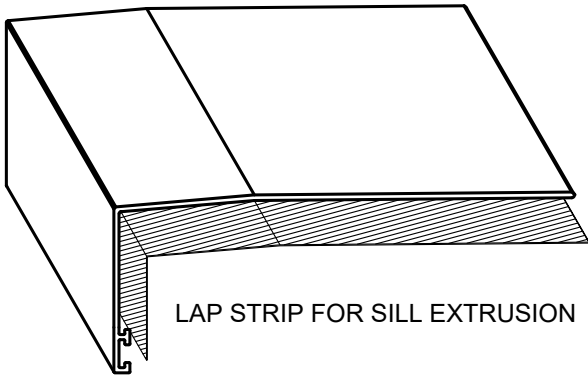
LAP STRIP FOR TWO PIECE
JAMB EXTRUSION



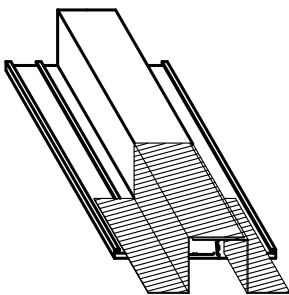
LAP STRIPS FOR OUTSIDE CORNER
EXTRUSION



LAP STRIPS FOR INSIDE CORNER
EXTRUSION



LAP STRIP FOR SILL EXTRUSION



LAP STRIP FOR VERTICAL HAT EXTRUSION

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EXTRUSION LAP
STRIPS

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