

## IMPORTANT NOTICE

The following document is NOT comprehensive for design, bidding, or installation when used in isolation. Please refer to all related documents in their entirety for complete information regarding this ACM panel system. Such documents include, but may not be limited to, Technical Guides, Architectural Color Chart, Approved Materials List, Systems Guides, Technical Bulletins, Technical Data Sheets, CAD Drawings, Specifications, and Submittals. Visit [LaminatorsInc.com](http://LaminatorsInc.com) for information on the latest documents regarding this panel system.

## INSTALLATION GUIDE ERRATA – ROUT & RETURN

1. [Effective 2/7/2020] Modify Page 6, Step 7 as follows:
  - This step is to be omitted. No fasteners are to be installed in reinforcing angles (Part No. 44DS-ANGLE)

## CONTACT US

To consult directly with one of our Professional Engineers regarding our ACM panel systems, contact Laminators Technical Support between the hours of 8:00am – 5:00pm EST:

800.523.2347  
[LaminatorsInc.com](http://LaminatorsInc.com)  
[engineering@laminatorsinc.com](mailto:engineering@laminatorsinc.com)

The following document contains a detail set for the application of the Rout & Return Installation System over a basic form of Continuous Insulation (CI) that consists of discrete structural rails or Z-girts combined with uncompressed insulation. Such “Alternate” CI (ALT CI or ACI) may be preferred to Laminators Omega CI (OCI) rigid insulation panels. Although many forms of proprietary CI are available, the detail set is intended to represent the relationship of a Rout & Return installation over basic ALT CI.

Laminators has not performed fire testing of the Rout & Return Installation System over any ALT CI, nor has any application of an engineering extension been made with respect to NFPA 285 compliance. Therefore, no claims can be made by Laminators regarding potential impact of ALT CI on the fire performance of the project-specific exterior wall assembly. As such, all specialized detailing requirements for NFPA 285 compliance represented in the detail set are specific to the installation system “layer” of the exterior wall assembly based on historical fire testing without ALT CI.

### **INSTRUCTIONS FOR NFPA 285 COMPLIANCE**

With respect to fire performance, note the following when detailing the Rout & Return Installation System over basic ALT CI comprised of vertical structural rails or Z-girts combined with uncompressed insulation (ACI-V):

1. The following document represents the referenced system as it has been designed, detailed, and tested and its relationship with a typical exterior wall assembly. As such, the document may be considered a baseline for the system and appropriately applied to project-specific conditions.
  - a. Laminators defines the NFPA 285 Zone as the area contained within a 10'-0" height above any window by the width of the window opening. The following document does not include a partial elevation that outlines the NFPA 285 Zone and related dimensions, notes, and sections. However, in order to maintain NFPA 285 compliance, specialized detailing is still required in the NFPA 285 Zone and at window heads as follows:
    - i. All horizontal panel joints within the NFPA 285 Zone require additional fasteners per detail RR-ACI-V-01HA or must have rivets installed (contact Laminators Technical Support for information regarding rivet installation).
    - ii. Additional layers of steel flashing are required at window heads per detail RR-ACI-V-02A.
    - iii. Vertical panel joints are not permitted above window openings within the NFPA 285 Zone. All vertical joints must align with vertical window jambs or mullions.
2. Through the use of a specific Engineering Evaluation (EEV) available from Laminators, engineering extensions may be made (in lieu of what has been tested) with respect to base wall framing, fire-stopping at floor lines, cavity insulation, and water-resistive barrier (WRB) components while maintaining NFPA 285 compliance. Note that with respect to CI, the engineering extensions provided in the EEV are only applicable to Laminators OCI rigid insulation panels and do not address basic ALT CI or any other form of proprietary CI. The EEV may be required for submission to the Authority Having Jurisdiction (AHJ) to support the extensions.
3. If one or more engineering extensions are required beyond what is provided in the EEV available from Laminators, it is the responsibility of a third-party to pursue obtaining a separate

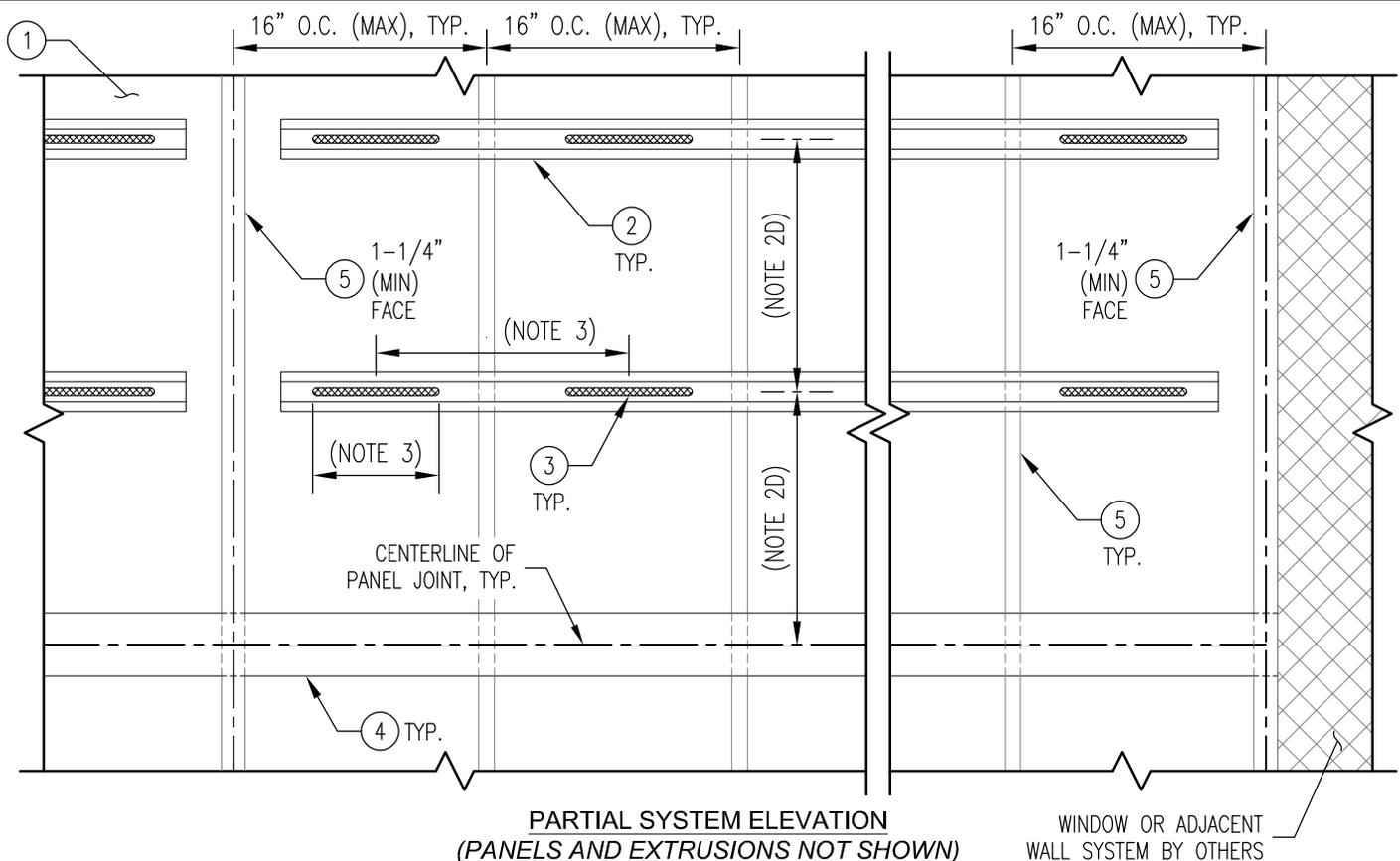
EEV that adequately addresses each intended substitution. Note that Laminators cannot serve as the third-party in efforts to obtain such an EEV.

Note that the application of any engineering extension for NFPA 285 compliance will need to be evaluated by the Design Professional of Record (DPR) with respect to potential impact on any air, structural, and water performance of the project-specific exterior wall assembly. It is possible that components substituted to achieve fire testing compliance will affect the assembly differently with respect to air, structural, and water performance and need to be coordinated.

If the Rout & Return Installation System is intended to be installed over a different substrate (e.g. fire-retardant-treated wood (FRTW) structural sheathing (panels), gypsum (non-structural) sheathing, CMU, concrete, or Omega CI rigid insulation panels), please defer to the appropriate detail set.

DRAWING INDEX – RR-ACI-V DETAIL SET (Rev 00, 12/03/2020)

DWG NO.	TITLE	REV DATE	REV	CHANGE FROM PREVIOUS REV
RR-ACI-V-EL	Partial System Elevation	12/3/2020	00	
RR-ACI-V-ST	Panel Stiffener Detail	12/3/2020	00	
RR-ACI-V-01H	Horizontal Joint Detail	12/3/2020	00	
RR-ACI-V-01HA	Horizontal Joint Detail (NFPA 285 Zone)	12/3/2020	00	
RR-ACI-V-01V	Vertical Joint Detail	12/3/2020	00	
RR-ACI-V-02	Window Head Detail	12/3/2020	00	
RR-ACI-V-02A	Window Head Detail (NFPA 285 Zone)	12/3/2020	00	
RR-ACI-V-03	Window Sill Detail	12/3/2020	00	
RR-ACI-V-04	Window Jamb / Vertical Edge Detail	12/3/2020	00	
RR-ACI-V-05	Top of Wall Detail	12/3/2020	00	
RR-ACI-V-06	Base of Wall (Grade) Detail	12/3/2020	00	
RR-ACI-V-07	Inside Corner Detail	12/3/2020	00	
RR-ACI-V-08	Outside Corner Detail	12/3/2020	00	
RR-ACI-V-09	Fascia-to-Soffit Transition Detail	12/3/2020	00	
RR-ACI-V-10	Soffit Vent Requirements	12/3/2020	00	



- ① CONTINUOUS INSULATION (CI) SYSTEM OVER EXTERIOR WALL ASSEMBLY; LOCATION OF AIR AND WATER BARRIER AND DRAINAGE PLANE TO BE DETERMINED BY DESIGN PROFESSIONAL OF RECORD
- ② PANEL STIFFENERS (7/8" HAT CHANNELS, 18 GA. MIN)
- A. MAINTAIN 3" GAPS BETWEEN ENDS OF PANEL STIFFENERS AND PANEL EDGES
  - B. PANEL STIFFENERS MUST BE ORIENTED HORIZONTALLY AND SUPPORTED BY A MINIMUM OF (2) VERTICAL CI RAILS
  - C. FASTEN STIFFENERS TO VERTICAL CI RAILS USING (2) #10 X 1/2" (MIN) SELF-DRILLING SCREWS PER RAIL LOCATION ALONG HAT CHANNEL FLANGES (REFER TO DETAIL RR-ACI-V-ST)
  - D. REQUIRED PANEL STIFFENER SPACING TO BE BASED ON PROJECT SPECIFIC WIND LOADS:
    - UP TO 40 PSF (ASD): STIFFENERS REQUIRED AT 16" O.C.
- ③ 1/4" (MIN) TO 3/8" (MAX) BEAD OF LAMINATORS APPROVED PANEL ADHESIVE APPLIED TO PANEL STIFFENERS (REFER TO DETAIL RR-ACI-V-ST); LENGTH AND SPACING OF ADHESIVE BEADS TO BE BASED ON PROJECT SPECIFIC WIND LOADS:
- UP TO 40 PSF (ASD): 8" ADHESIVE LENGTHS AT 16" O.C.
- ④ CONTINUOUS 4" COLD-FORMED STRAPPING (18 GA. MIN) FASTENED TO VERTICAL CI RAILS USING (3) #8 X 1/2" (MIN) PPH SELF-DRILLING SCREWS PER RAIL LOCATION
- HORIZONTAL STRAPPING INSTALLED AT ALL HORIZONTAL PANEL JOINTS/EDGES
- ⑤ VERTICAL CI RAILS INSTALLED AT 16" O.C. (MAX)
- A. RAIL DESIGN AND ATTACHMENT TO STRUCTURE TO BE DETERMINED BY DESIGN PROFESSIONAL OF RECORD
  - B. RAILS TO BE 18 GA. (MIN) COLD-FORMED STEEL
  - C. RAILS TO BE LOCATED AT ALL VERTICAL PANEL JOINTS AND VERTICAL JAMB/EDGE CONDITIONS AND COORDINATED WITH WALL FRAMING
  - D. FACE OF RAILS MUST MEET THE FOLLOWING GEOMETRIC REQUIREMENTS FOR PANEL SYSTEM INSTALLATION:
    - VERTICAL JOINT SUPPORTS: 1-1/4" (MIN) FACE WIDTH
    - VERTICAL JAMB/EDGE SUPPORTS: 1-1/4" (MIN) FACE WIDTH

#### IMPORTANT NOTICE

PROJECT-SPECIFIC COMPONENTS AND CLADDING WIND LOADS (REQUIRED STRENGTH,  $R_d$ ) SHALL NOT EXCEED AVAILABLE LOAD-CARRYING CAPACITY OF SYSTEM (ALLOWABLE STRENGTH,  $R_n/\Omega$ )

- A. PROJECT-SPECIFIC COMPONENTS AND CLADDING WIND LOADS ARE TO BE DETERMINED BY THE DESIGN PROFESSIONAL OF RECORD
- B. AVAILABLE LOAD-CARRYING CAPACITY OF SYSTEM (UP TO 40 PSF) IS BASED ON ALLOWABLE STRENGTH DESIGN (ASD) METHOD
- C. FOR PROJECT-SPECIFIC COMPONENTS AND CLADDING WIND LOADS GREATER THAN 40 PSF, CONTACT LAMINATORS TECHNICAL SUPPORT FOR PROJECT-SPECIFIC DETAILING REQUIREMENTS



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#### PARTIAL SYSTEM ELEVATION

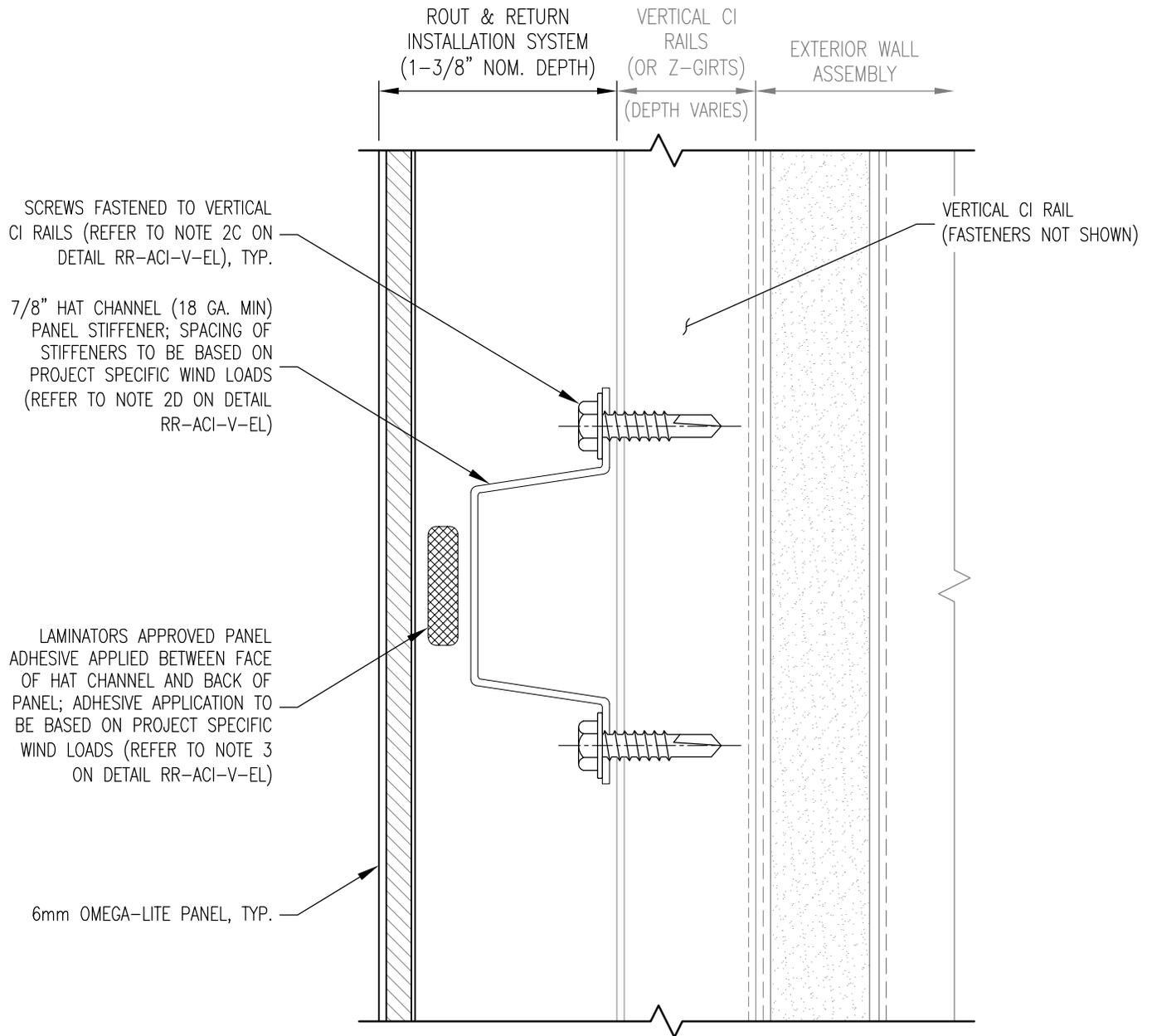
#### ROUT & RETURN INSTALLATION SYSTEM OVER ALT CI SYSTEM (WITH VERTICAL RAILS)

Date:  
12/3/2020

Drawn By:  
JJM

Dwg. No.:  
RR-ACI-V-EL

Rev:  
00



**SECTION**

**DETAIL NOTES:**

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. PANEL STIFFENERS TO BE FASTENED TO SUBSTRATE PRIOR TO PANEL INSTALLATION; REFER TO DETAIL RR-ACI-V-EL FOR ADDITIONAL INFORMATION
3. FULL CONTACT OF PANEL ADHESIVE WITH BACK OF PANEL REQUIRED AT ALL APPLICATION LOCATIONS



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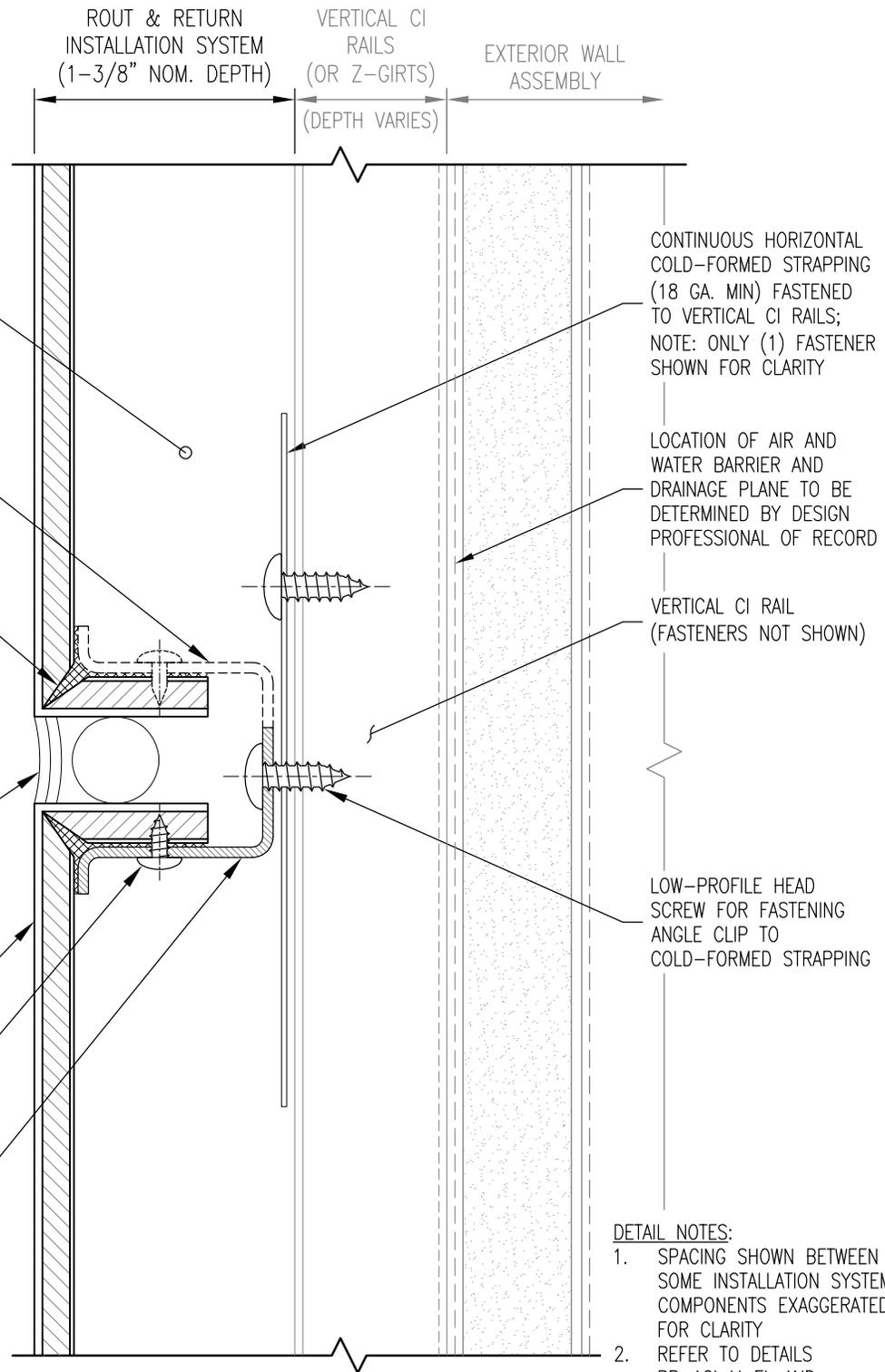
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**PANEL STIFFENER DETAIL**

**ROUT & RETURN INSTALLATION SYSTEM OVER ALT CI SYSTEM (WITH VERTICAL RAILS)**

Date: 12/3/2020	Drawn By: JJM	Dwg. No.: RR-ACI-V-ST	Rev: 00
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**NOTE: THIS DETAIL IS NOT APPLICABLE TO HORIZONTAL JOINTS WITHIN THE NFPA 285 ZONE**



PANEL STIFFENERS NOT SHOWN FOR CLARITY; REQUIRED PANEL STIFFENING TO BE BASED ON PROJECT SPECIFIC WIND LOADS (REFER TO DETAIL RR-ACI-V-EL)

ANGLE CLIP BEYOND (FASTENING TO COLD-FORMED STRAPPING NOT SHOWN FOR CLARITY)

LAMINATORS APPROVED FABRICATION SEALANT APPLIED TO PANEL ROUNT PRIOR TO BENDING TO FORM PANEL RETURN LEG, TYP. (REFER TO LAMINATORS ROUNT & RETURN INSTALLATION MANUAL)

1/2" SEALANT JOINT W/ CLOSED-CELL BACKER ROD AND LAMINATORS APPROVED SILICONE CAULK

6mm OMEGA-LITE PANEL, TYP.

(2) #6 X 1/4" PPH SCREWS (PART NO. 13000) INSTALLED INTO PANEL AT EACH ANGLE CLIP, TYP.

ANGLE CLIPS (PART NO. 50295) INSTALLED ALONG PERIMETER, TYP.; REFER TO ANGLE CLIP INSTALLATION NOTE BELOW

**ANGLE CLIP INSTALLATION:**

- UP TO 40 PSF (ASD):  
INSTALL CLIPS AT 12" O.C. WITH (2) #8 X 1/2" (MIN) PPH SELF-DRILLING SCREWS PER CLIP FASTENED INTO COLD-FORMED STRAPPING

ROUT & RETURN INSTALLATION SYSTEM (1-3/8" NOM. DEPTH)

VERTICAL CI RAILS (OR Z-GIRTS) (DEPTH VARIES)

EXTERIOR WALL ASSEMBLY

CONTINUOUS HORIZONTAL COLD-FORMED STRAPPING (18 GA. MIN) FASTENED TO VERTICAL CI RAILS; NOTE: ONLY (1) FASTENER SHOWN FOR CLARITY

LOCATION OF AIR AND WATER BARRIER AND DRAINAGE PLANE TO BE DETERMINED BY DESIGN PROFESSIONAL OF RECORD

VERTICAL CI RAIL (FASTENERS NOT SHOWN)

LOW-PROFILE HEAD SCREW FOR FASTENING ANGLE CLIP TO COLD-FORMED STRAPPING

**DETAIL NOTES:**

- SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
- REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT

**SECTION**



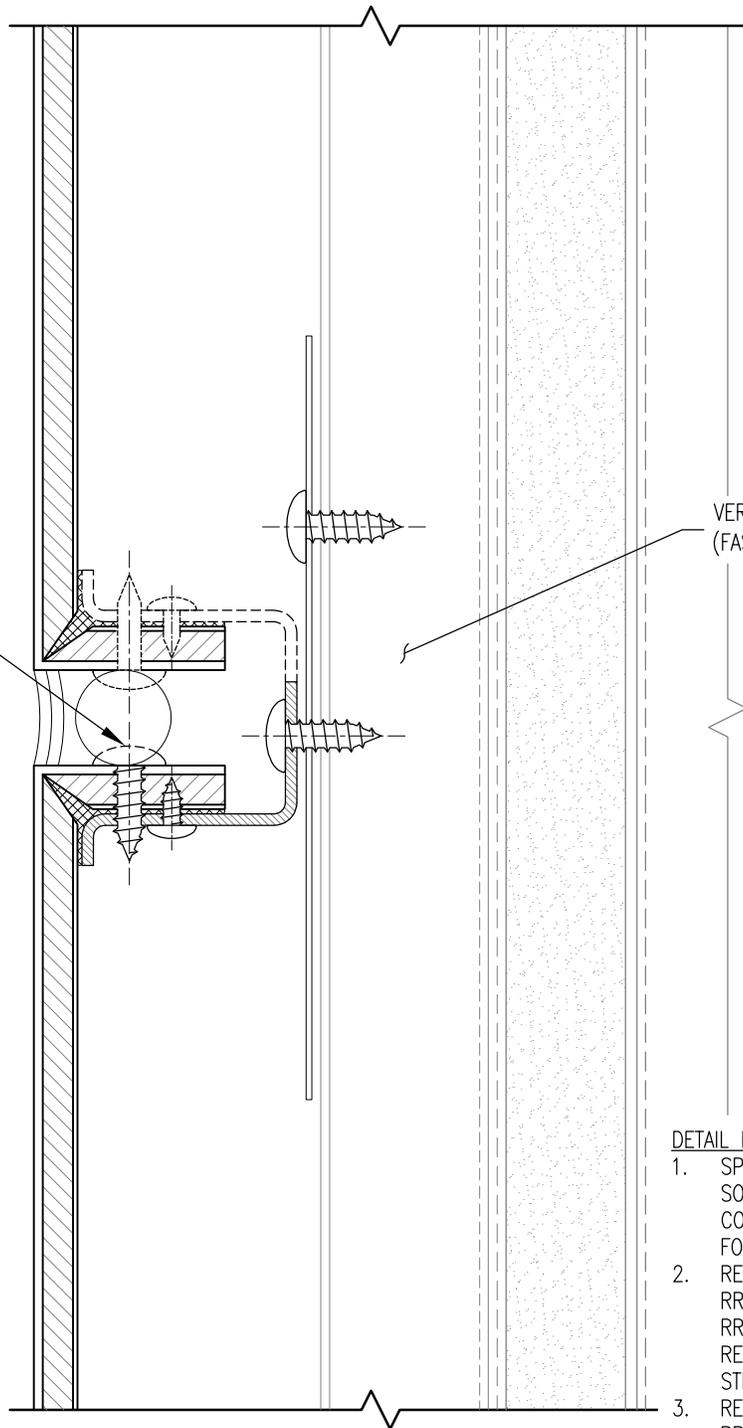
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**HORIZONTAL JOINT DETAIL**  
**ROUT & RETURN INSTALLATION SYSTEM OVER ALT CI SYSTEM (WITH VERTICAL RAILS)**

Date: 12/3/2020	Drawn By: JJM	Dwg. No.: RR-ACI-V-01H	Rev: 00
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(1) #8 X 3/4" (MIN) PPH  
 SELF-DRILLING SCREW INSTALLED  
 THROUGH PANEL FACE INTO ANGLE  
 CLIP, TYP; LOCATE SCREW AT  
 CENTERLINE OF PANEL RETURN LEG  
 AND ANGLE CLIP LENGTH



VERTICAL CI RAIL  
 (FASTENERS NOT SHOWN)

SECTION

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS RR-ACI-V-01H FOR CLIP SPACING AND TYPICAL COMPONENTS NOT ANNOTATED



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HORIZONTAL JOINT DETAIL (NFPA 285 ZONE)

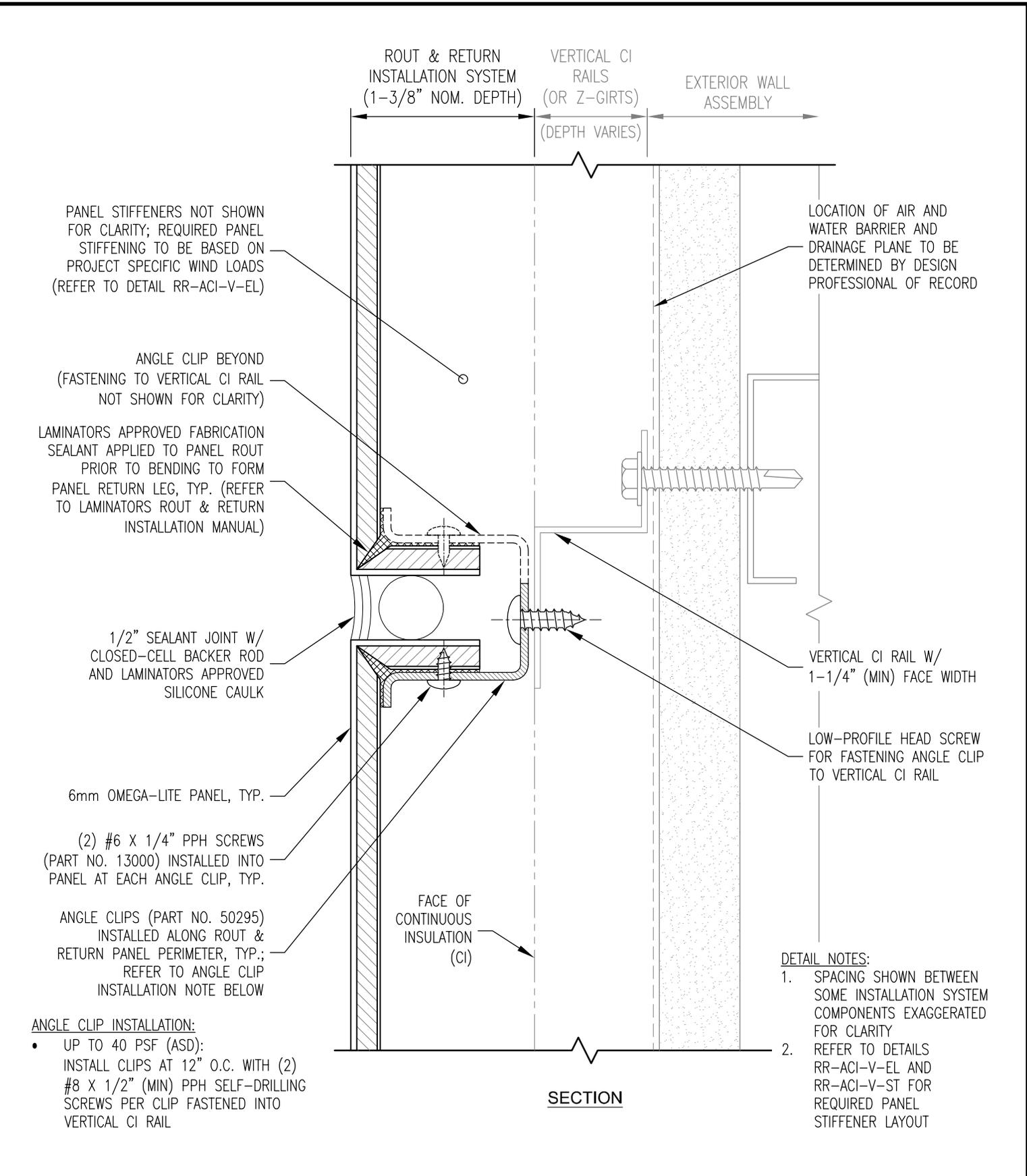
ROUT & RETURN INSTALLATION SYSTEM  
 OVER ALT CI SYSTEM (WITH VERTICAL RAILS)

Date:  
 12/3/2020

Drawn By:  
 JJM

Dwg. No.:  
 RR-ACI-V-01HA

Rev:  
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PANEL STIFFENERS NOT SHOWN FOR CLARITY; REQUIRED PANEL STIFFENING TO BE BASED ON PROJECT SPECIFIC WIND LOADS (REFER TO DETAIL RR-ACI-V-EL)

ANGLE CLIP BEYOND (FASTENING TO VERTICAL CI RAIL NOT SHOWN FOR CLARITY)

LAMINATORS APPROVED FABRICATION SEALANT APPLIED TO PANEL ROUT PRIOR TO BENDING TO FORM PANEL RETURN LEG, TYP. (REFER TO LAMINATORS ROUT & RETURN INSTALLATION MANUAL)

1/2" SEALANT JOINT W/ CLOSED-CELL BACKER ROD AND LAMINATORS APPROVED SILICONE CAULK

6mm OMEGA-LITE PANEL, TYP.

(2) #6 X 1/4" PPH SCREWS (PART NO. 13000) INSTALLED INTO PANEL AT EACH ANGLE CLIP, TYP.

ANGLE CLIPS (PART NO. 50295) INSTALLED ALONG ROUT & RETURN PANEL PERIMETER, TYP.; REFER TO ANGLE CLIP INSTALLATION NOTE BELOW

**ANGLE CLIP INSTALLATION:**

- UP TO 40 PSF (ASD):  
INSTALL CLIPS AT 12" O.C. WITH (2) #8 X 1/2" (MIN) PPH SELF-DRILLING SCREWS PER CLIP FASTENED INTO VERTICAL CI RAIL

ROUT & RETURN INSTALLATION SYSTEM (1-3/8" NOM. DEPTH)      VERTICAL CI RAILS (OR Z-GIRTS) (DEPTH VARIES)      EXTERIOR WALL ASSEMBLY

LOCATION OF AIR AND WATER BARRIER AND DRAINAGE PLANE TO BE DETERMINED BY DESIGN PROFESSIONAL OF RECORD

VERTICAL CI RAIL W/ 1-1/4" (MIN) FACE WIDTH

LOW-PROFILE HEAD SCREW FOR FASTENING ANGLE CLIP TO VERTICAL CI RAIL

FACE OF CONTINUOUS INSULATION (CI)

**DETAIL NOTES:**

- SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
- REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT

**SECTION**



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**VERTICAL JOINT DETAIL**

**ROUT & RETURN INSTALLATION SYSTEM OVER ALT CI SYSTEM (WITH VERTICAL RAILS)**

Date: 12/3/2020	Drawn By: JJM	Dwg. No.: RR-ACI-V-01V	Rev: 00
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ALUMINUM FLASHING  
BY OTHERS; COORDINATE WITH  
LOCATION OF AIR AND WATER  
BARRIER AND DRAINAGE PLANE

CONTINUOUS HORIZONTAL  
COLD-FORMED STRAPPING  
(18 GA. MIN) APPLIED ALONG  
PANEL EDGE AND FASTENED  
TO VERTICAL CI RAILS;  
NOTE: ONLY (1) FASTENER  
SHOWN FOR CLARITY

1/2" SEALANT JOINT W/  
CLOSED-CELL BACKER ROD AND  
LAMINATORS APPROVED SILICONE  
CAULK; PROVIDE 3/8" (MIN)  
GAPS AT 24" O.C. FOR VENTING  
AND DRAINAGE

HORIZONTAL LEG OF  
FLASHING TO EXTEND  
TO FACE OF PANEL;  
DRIP EDGE (OPTIONAL)

COORDINATE TERMINATION OF  
FLASHING WITH WINDOW  
SYSTEM; WATER CONTROLS AT  
INTERFACE BY OTHERS

AIR AND WATER BARRIER  
TO LAP OVER FLASHING  
IN SHINGLE FASHION

VERTICAL CI RAIL  
(FASTENERS NOT  
SHOWN)

WINDOW SYSTEM BY OTHERS

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME  
INSTALLATION SYSTEM COMPONENTS  
EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL  
AND RR-ACI-V-ST FOR REQUIRED  
PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS  
RR-ACI-V-01H AND RR-ACI-V-01V  
FOR CLIP SPACING AND TYPICAL  
COMPONENTS NOT ANNOTATED

SECTION



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WINDOW HEAD DETAIL

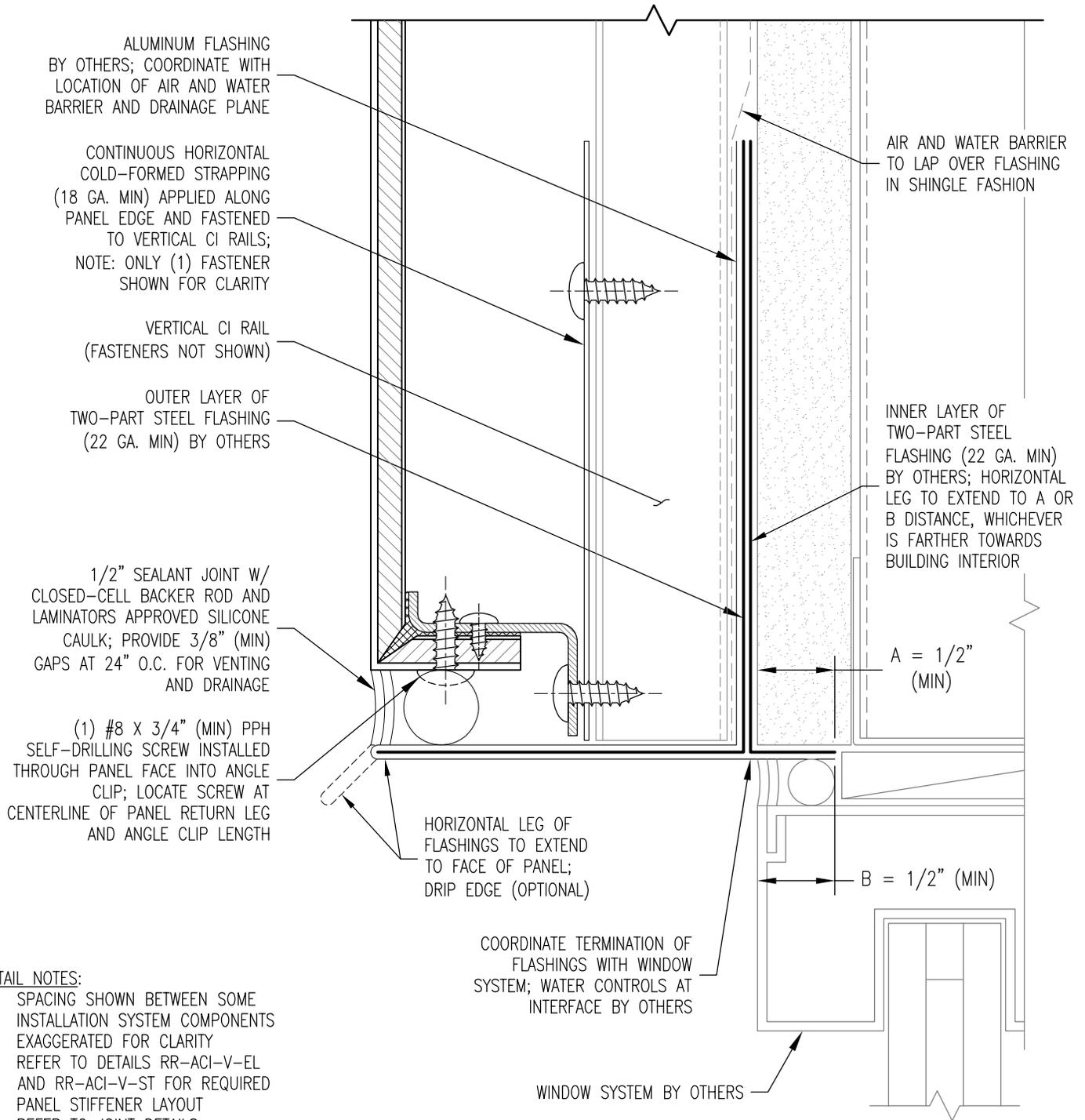
ROUT & RETURN INSTALLATION SYSTEM  
OVER ALT CI SYSTEM (WITH VERTICAL RAILS)

Date:  
12/3/2020

Drawn By:  
JJM

Dwg. No.:  
RR-ACI-V-02

Rev:  
00



**DETAIL NOTES:**

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS RR-ACI-V-01H AND RR-ACI-V-01V FOR CLIP SPACING AND TYPICAL COMPONENTS NOT ANNOTATED

**SECTION**

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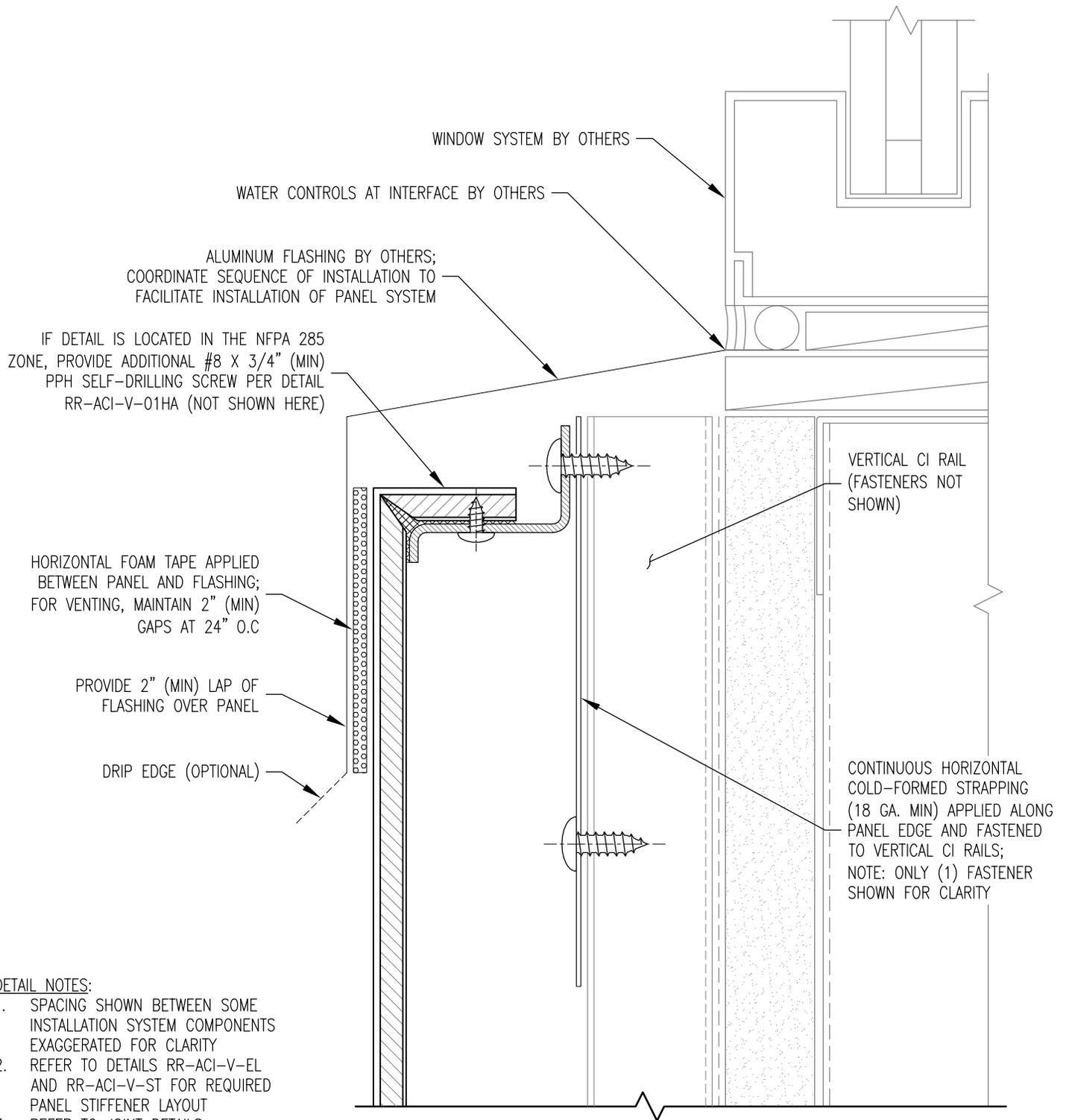
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**WINDOW HEAD DETAIL (NFPA 285 ZONE)**

**ROUT & RETURN INSTALLATION SYSTEM OVER ALT CI SYSTEM (WITH VERTICAL RAILS)**

Date: 12/3/2020	Drawn By: JJM	Dwg. No.: RR-ACI-V-02A	Rev: 00
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**DETAIL NOTES:**

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS RR-ACI-V-01H AND RR-ACI-V-01V FOR CLIP SPACING AND TYPICAL COMPONENTS NOT ANNOTATED

**SECTION**



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**WINDOW SILL DETAIL**

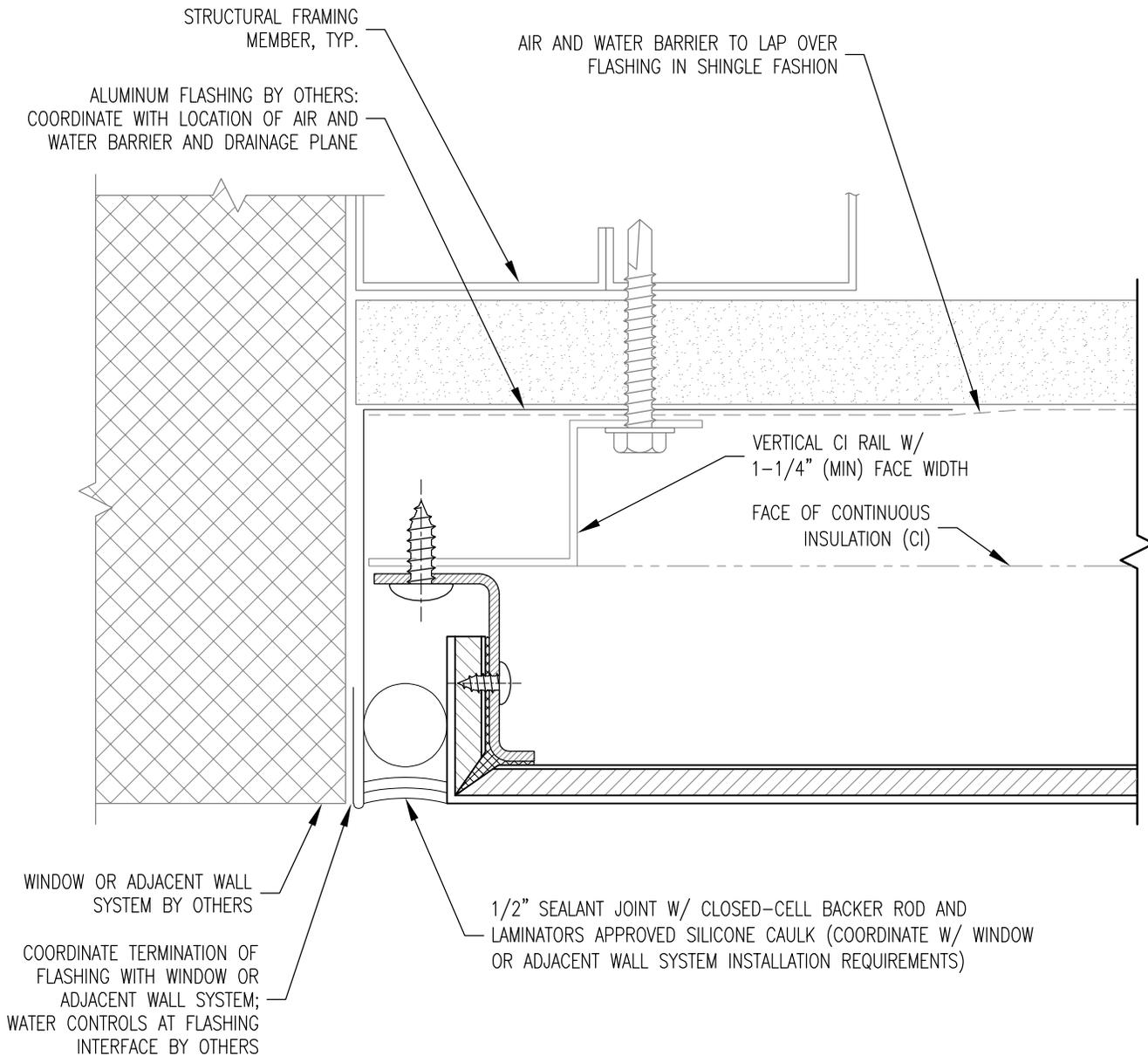
**ROUT & RETURN INSTALLATION SYSTEM OVER ALT CI SYSTEM (WITH VERTICAL RAILS)**

Date:  
12/3/2020

Drawn By:  
JJM

Dwg. No.:  
RR-ACI-V-03

Rev:  
00



**PLAN SECTION**

**DETAIL NOTES:**

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS RR-ACI-V-01H AND RR-ACI-V-01V FOR CLIP SPACING AND TYPICAL COMPONENTS NOT ANNOTATED



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WINDOW JAMB / VERTICAL EDGE DETAIL  
 ROUT & RETURN INSTALLATION SYSTEM  
 OVER ALT CI SYSTEM (WITH VERTICAL RAILS)

Date: 12/3/2020	Drawn By: JJM	Dwg. No.: RR-ACI-V-04	Rev: 00
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METAL COPING AND BLOCKING  
BY OTHERS; COORDINATE  
SEQUENCING TO FACILITATE  
PANEL SYSTEM INSTALLATION

IF DETAIL IS LOCATED IN THE  
NFPA 285 ZONE, PROVIDE  
ADDITIONAL #8 X 3/4" (MIN)  
PPH SELF-DRILLING SCREW  
PER DETAIL RR-ACI-V-01HA  
(NOT SHOWN HERE)

HORIZONTAL FOAM TAPE APPLIED  
BETWEEN PANEL AND FLASHING;  
FOR VENTING, MAINTAIN 2" (MIN)  
GAPS AT 24" O.C

PROVIDE 2" (MIN) LAP OF  
FLASHING OVER PANEL

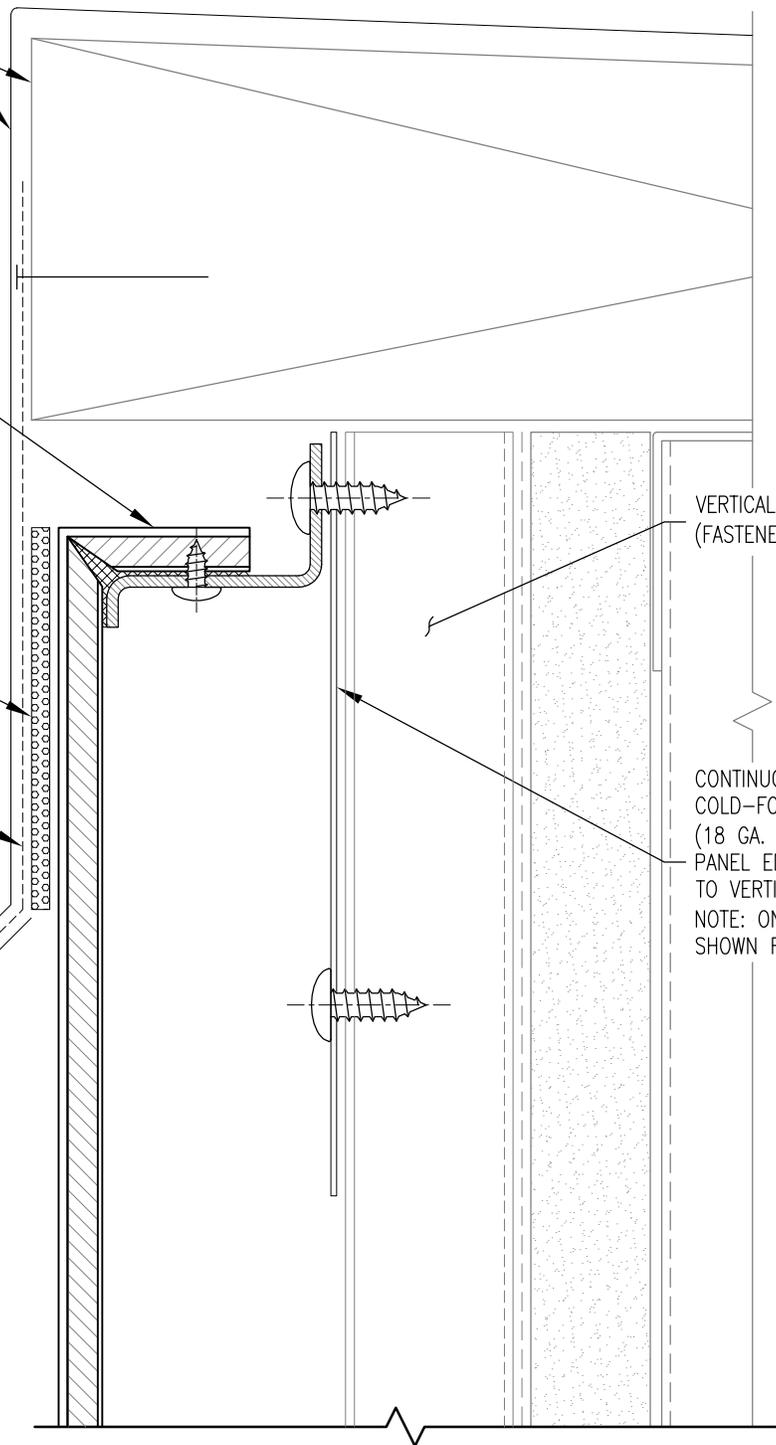
DRIP EDGE (OPTIONAL)

VERTICAL CI RAIL  
(FASTENERS NOT SHOWN)

CONTINUOUS HORIZONTAL  
COLD-FORMED STRAPPING  
(18 GA. MIN) APPLIED ALONG  
PANEL EDGE AND FASTENED  
TO VERTICAL CI RAILS;  
NOTE: ONLY (1) FASTENER  
SHOWN FOR CLARITY

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME  
INSTALLATION SYSTEM COMPONENTS  
EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL  
AND RR-ACI-V-ST FOR REQUIRED  
PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS  
RR-ACI-V-01H AND RR-ACI-V-01V  
FOR CLIP SPACING AND TYPICAL  
COMPONENTS NOT ANNOTATED



SECTION



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TOP OF WALL DETAIL

ROUT & RETURN INSTALLATION SYSTEM  
OVER ALT CI SYSTEM (WITH VERTICAL RAILS)

Date:  
12/3/2020

Drawn By:  
JJM

Dwg. No.:  
RR-ACI-V-05

Rev:  
00

ALUMINUM FLASHING  
BY OTHERS; COORDINATE WITH  
LOCATION OF AIR AND WATER  
BARRIER AND DRAINAGE PLANE

CONTINUOUS HORIZONTAL  
COLD-FORMED STRAPPING  
(18 GA. MIN) APPLIED ALONG  
PANEL EDGE AND FASTENED  
TO VERTICAL CI RAILS;  
NOTE: ONLY (1) FASTENER  
SHOWN FOR CLARITY

1/2" SEALANT JOINT W/  
CLOSED-CELL BACKER ROD  
AND LAMINATORS APPROVED  
SILICONE CAULK; PROVIDE  
3/8" (MIN) GAPS AT 24" O.C.  
FOR VENTING AND DRAINAGE

CONTINUOUS BUTYL  
SEALANT BETWEEN METAL  
FLASHING AND GRADE

GRADE

SECTION

AIR AND WATER BARRIER  
TO LAP OVER FLASHING  
IN SHINGLE FASHION

VERTICAL CI RAIL  
(FASTENERS NOT SHOWN)

ALUMINUM FLASHING BY  
OTHERS; COORDINATE  
WITH LOCATION OF AIR  
AND WATER BARRIER  
AND DRAINAGE PLANE

DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS RR-ACI-V-01H AND RR-ACI-V-01V FOR CLIP SPACING AND TYPICAL COMPONENTS NOT ANNOTATED



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BASE OF WALL (GRADE) DETAIL

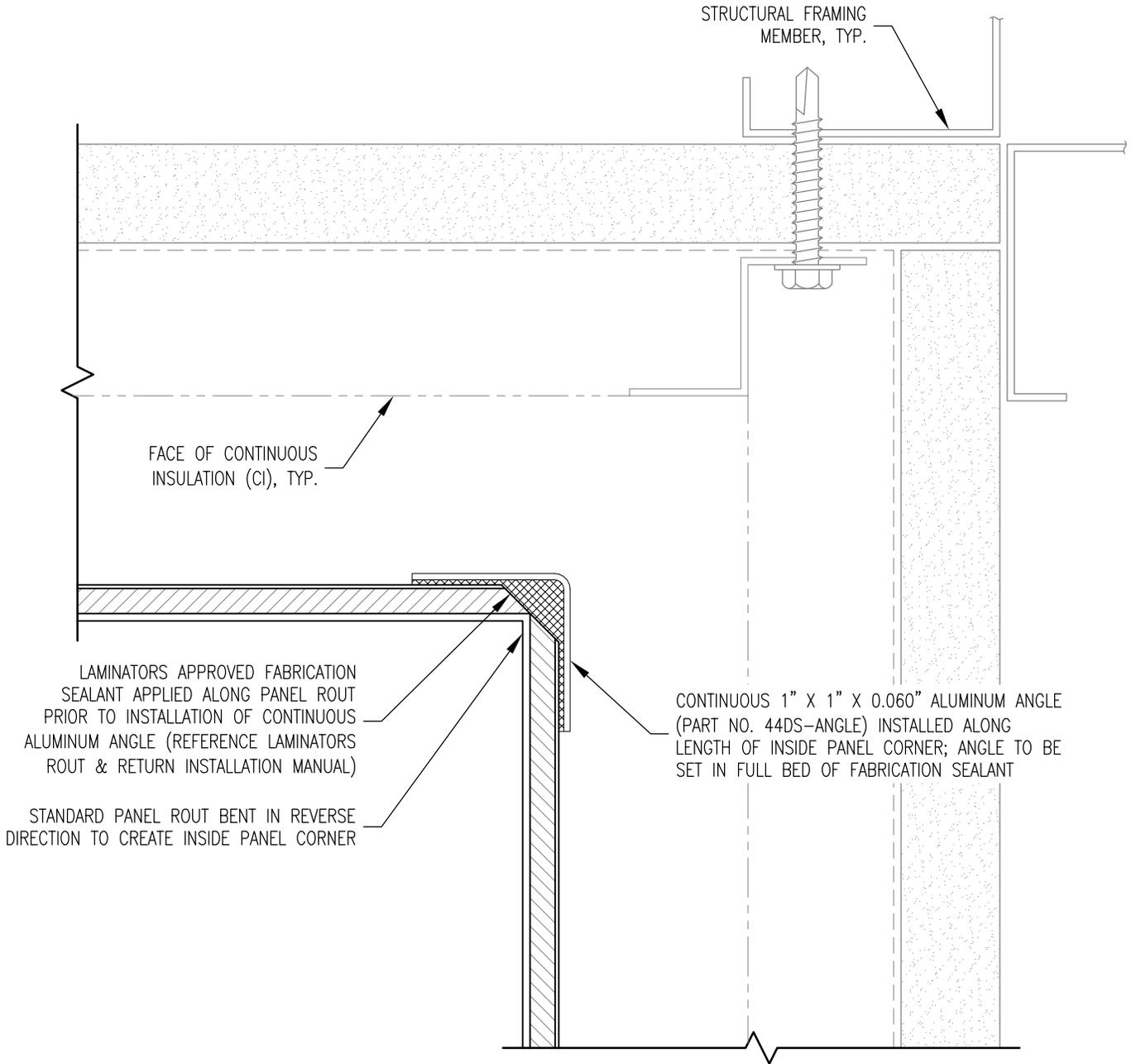
ROUT & RETURN INSTALLATION SYSTEM  
OVER ALT CI SYSTEM (WITH VERTICAL RAILS)

Date:  
12/3/2020

Drawn By:  
JJM

Dwg. No.:  
RR-ACI-V-06

Rev:  
00



LAMINATORS APPROVED FABRICATION SEALANT APPLIED ALONG PANEL ROUT PRIOR TO INSTALLATION OF CONTINUOUS ALUMINUM ANGLE (REFERENCE LAMINATORS ROUT & RETURN INSTALLATION MANUAL)

STANDARD PANEL ROUT BENT IN REVERSE DIRECTION TO CREATE INSIDE PANEL CORNER

CONTINUOUS 1" X 1" X 0.060" ALUMINUM ANGLE (PART NO. 44DS-ANGLE) INSTALLED ALONG LENGTH OF INSIDE PANEL CORNER; ANGLE TO BE SET IN FULL BED OF FABRICATION SEALANT

**PLAN SECTION**

**DETAIL NOTES:**

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS RR-ACI-V-01H AND RR-ACI-V-01V FOR CLIP SPACING AND TYPICAL COMPONENTS NOT ANNOTATED

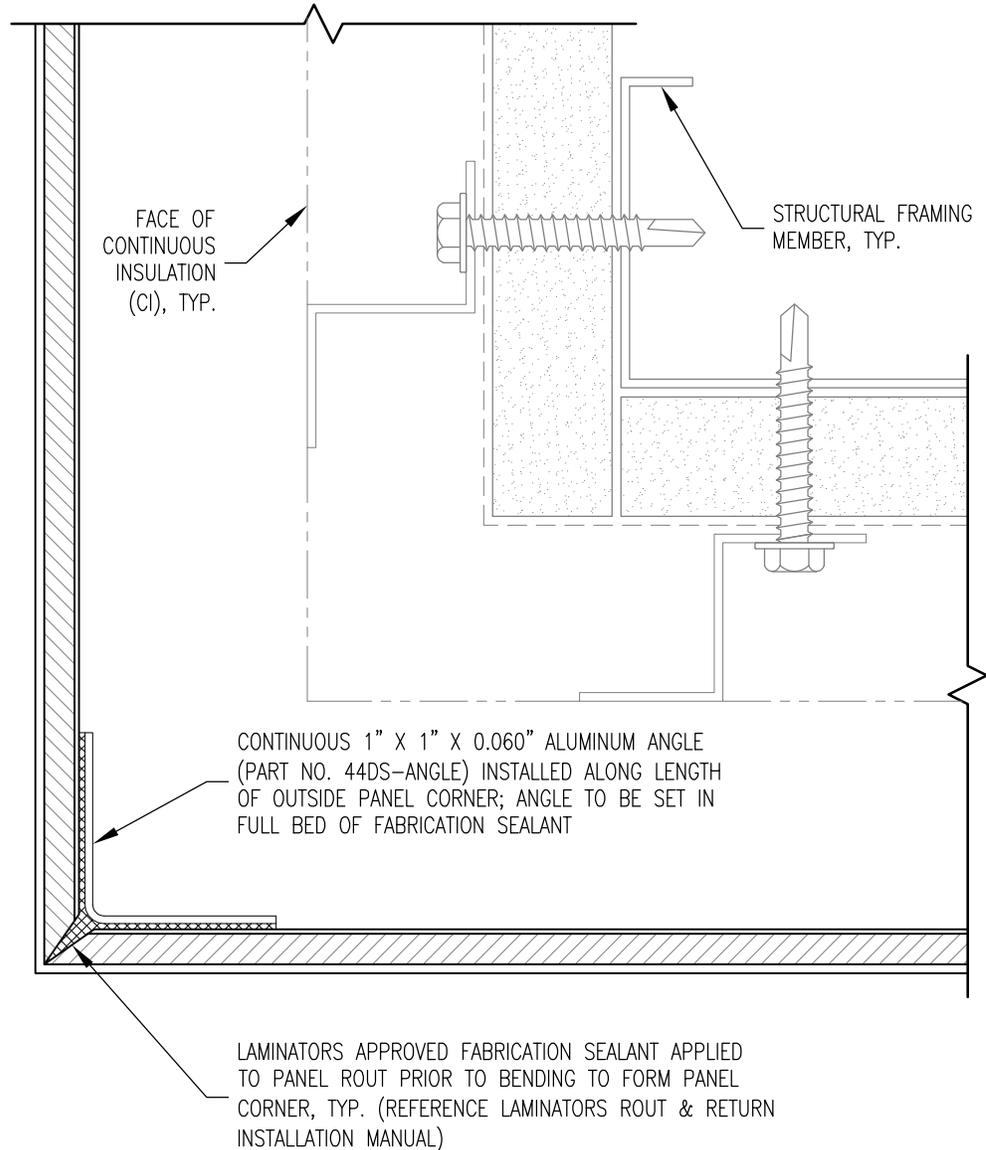
**NOTE: THIS DETAIL IS ALSO APPLICABLE FOR SOFFIT-TO-WALL TRANSITIONS**



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<b>INSIDE CORNER DETAIL</b>			
<b>ROUT &amp; RETURN INSTALLATION SYSTEM OVER ALT CI SYSTEM (WITH VERTICAL RAILS)</b>			
Date: 12/3/2020	Drawn By: JJM	Dwg. No.: RR-ACI-V-07	Rev: 00



DETAIL NOTES:

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS RR-ACI-V-01H AND RR-ACI-V-01V FOR CLIP SPACING AND TYPICAL COMPONENTS NOT ANNOTATED

PLAN SECTION

**NOTE: REFER TO DETAIL RR-ACI-V-09 FOR FASCIA-TO-SOFFIT TRANSITIONS**



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**OUTSIDE CORNER DETAIL**

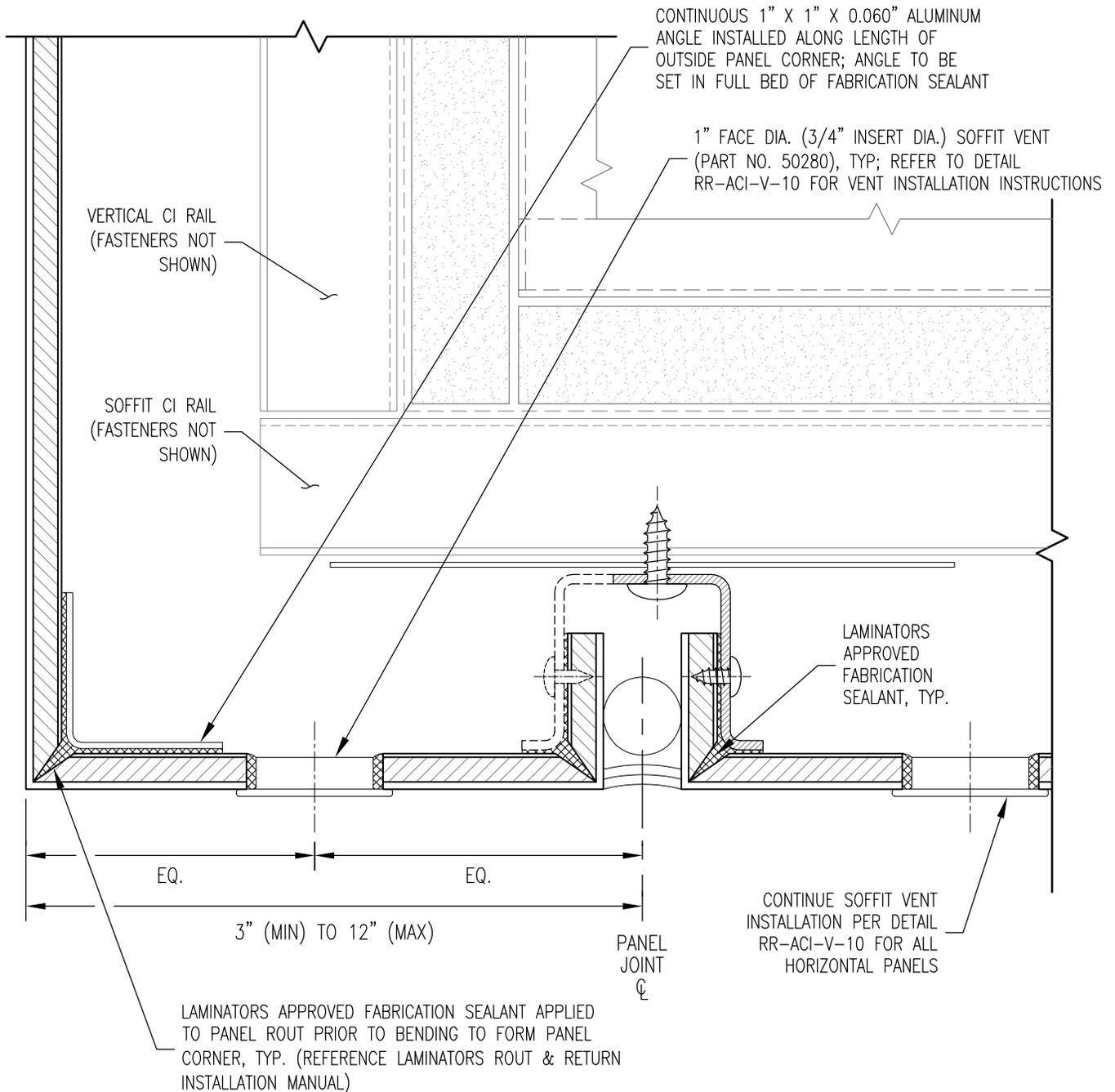
**ROUT & RETURN INSTALLATION SYSTEM OVER ALT CI SYSTEM (WITH VERTICAL RAILS)**

Date:  
12/3/2020

Drawn By:  
JJM

Dwg. No.:  
RR-ACI-V-08

Rev:  
00



**DETAIL NOTES:**

1. SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
2. REFER TO DETAILS RR-ACI-V-EL AND RR-ACI-V-ST FOR REQUIRED PANEL STIFFENER LAYOUT
3. REFER TO JOINT DETAILS RR-ACI-V-01H AND RR-ACI-V-01V FOR CLIP SPACING AND TYPICAL COMPONENTS NOT ANNOTATED



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**FASCIA-TO-SOFFIT TRANSITION DETAIL**

**ROUT & RETURN INSTALLATION SYSTEM**

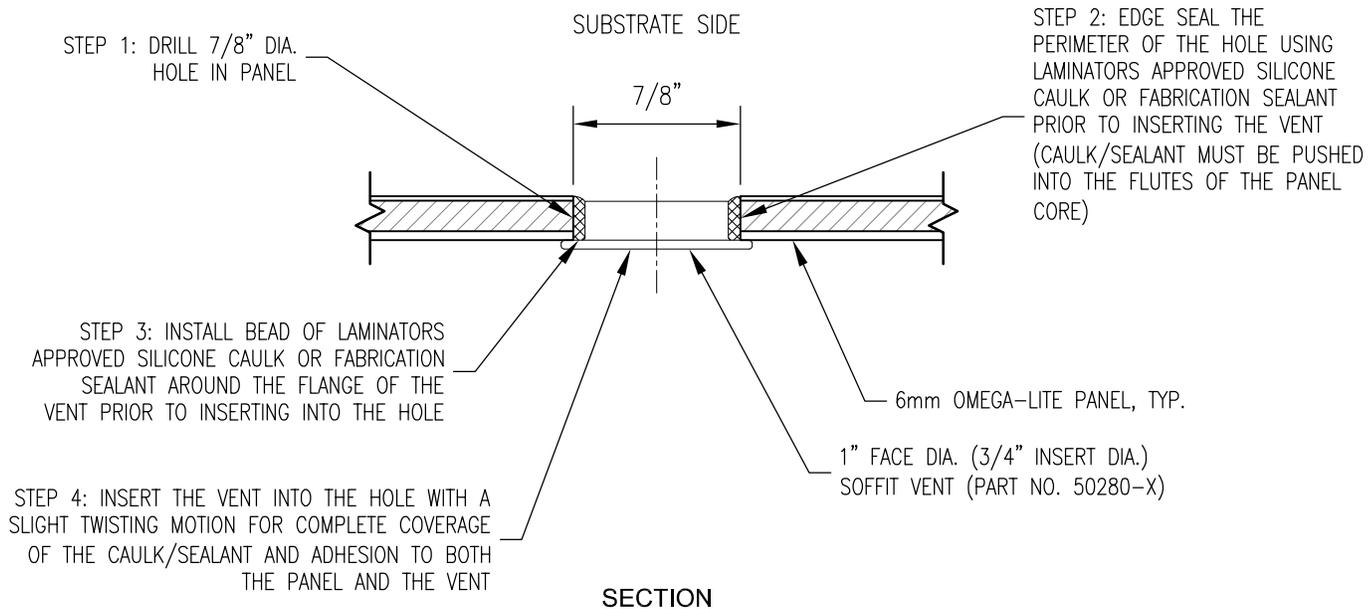
**OVER ALT CI SYSTEM (WITH VERTICAL RAILS)**

Date:  
12/3/2020

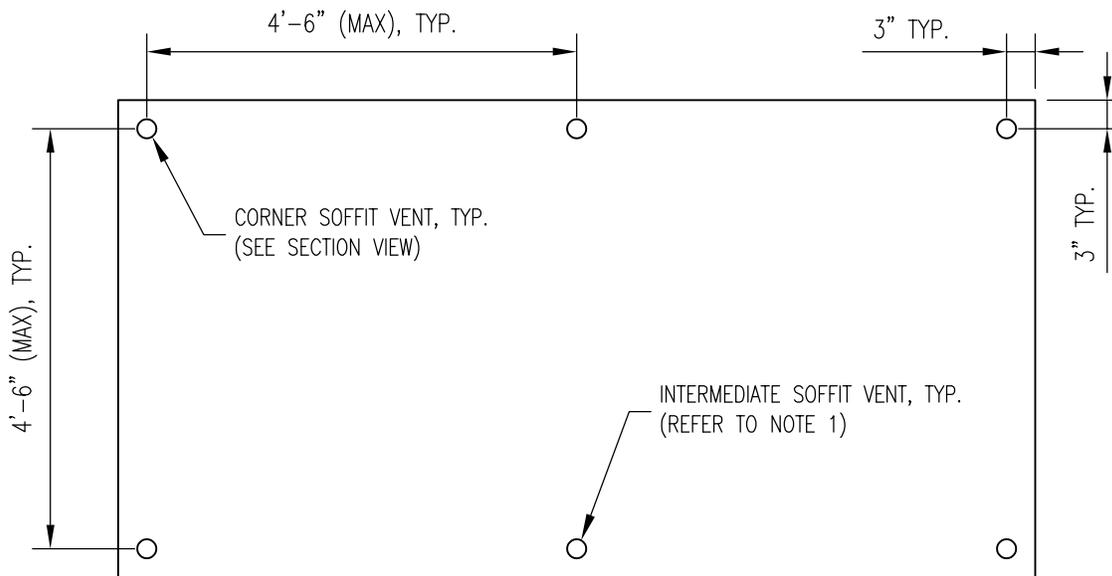
Drawn By:  
JJM

Dwg. No.:  
RR-ACI-V-09

Rev:  
00



**SECTION**



**OMEGA-LITE SOFFIT PANEL**

**DETAIL NOTES:**

1. FOR PANEL EDGE DIMENSIONS LARGER THAN 5'-0", INTERMEDIATE VENTS SHALL BE INSTALLED WITH EQUAL SPACING
2. FOR PANEL EDGE DIMENSIONS 12" AND SMALLER, A SINGLE ROW OF VENTS MAY BE INSTALLED ALONG THE CENTERLINE OF THE PANEL IN THE LONGER DIRECTION (IN PLACE OF TWO ROWS AS SHOWN ABOVE)
3. CONTACT LAMINATORS TECHNICAL SUPPORT FOR ADDITIONAL INFORMATION ON REQUIRED SOFFIT VENT INSTALLATION FOR UNIQUE PROJECT-SPECIFIC PANEL GEOMETRIES



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**SOFFIT VENT REQUIREMENTS**

**ROUT & RETURN INSTALLATION SYSTEM  
OVER ALT CI SYSTEM (WITH VERTICAL RAILS)**

Date: 12/3/2020	Drawn By: JJM	Dwg. No.: RR-ACI-V-10	Rev: 00
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