

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 <u>LaminatorsInc.com</u> 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:
 - <u>This step is to be omitted</u>. 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
<u>LaminatorsInc.com</u>
<u>engineering@laminatorsinc.com</u>



The following document contains an abbreviated detail set for the application of the Rout & Return Installation System over Omega CI (OCI) rigid insulation panels. The abbreviated detail set is intended to convey the basic concept of a Rout & Return installation over OCI including specialized detailing requirements for NFPA 285 compliance. Please contact Laminators Technical Support for instructions on how to apply standard detailing for the Rout & Return Installation System over plywood or OSB (structural) sheathing to conditions not addressed in the abbreviated detail set.

INSTRUCTIONS FOR NFPA 285 COMPLIANCE

With respect to fire performance, note the following when detailing the Rout & Return Installation System over Omega CI rigid insulation panels:

- 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 conceptual baseline for the system and appropriately applied to projectspecific 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 and jambs as follows:
 - i. All horizontal panel joints within the NFPA 285 Zone require additional fasteners per detail S-1.
 - ii. Additional layers of steel flashing are required at window heads and jambs per detail S-2 and S-3, respectively.
 - 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. 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 <u>cannot</u> serve as the third-party in efforts to obtain such an EEV.

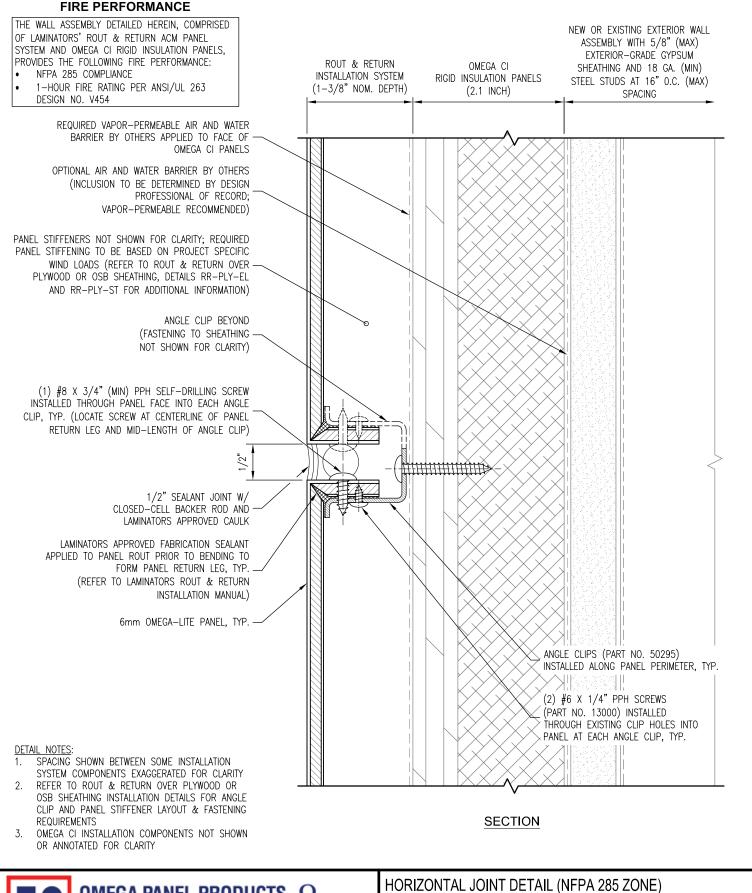
Note that the application of any engineering extension for NFPA 285 compliance will need to be evaluated by the Design Professional of Record (DPR) with respect to potential impact on any air, structural, and water performance of the project-specific exterior wall assembly. It is possible that components 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, or concrete), please defer to the appropriate detail set.



DRAWING INDEX - RR-OCI DETAIL SET (Rev 04, 12/03/2020)

DWG NO.	TITLE	REV DATE	REV	CHANGE FROM PREVIOUS REV
				Fastener part number added;
S-1	Horizontal Joint Detail (NFPA 285 Zone)	12/3/2020	04	Min screw length specified
S-2	Window Head Detail (NFPA 285 Zone)	1/15/2020	01	
S-3	Window Jamb Detail (NFPA 285 Zone)	1/15/2020	01	





ROUT & RETURN INSTALLATION SYSTEM

OVER OMEGA CI

Date: 12/3/2020

800.523.2347

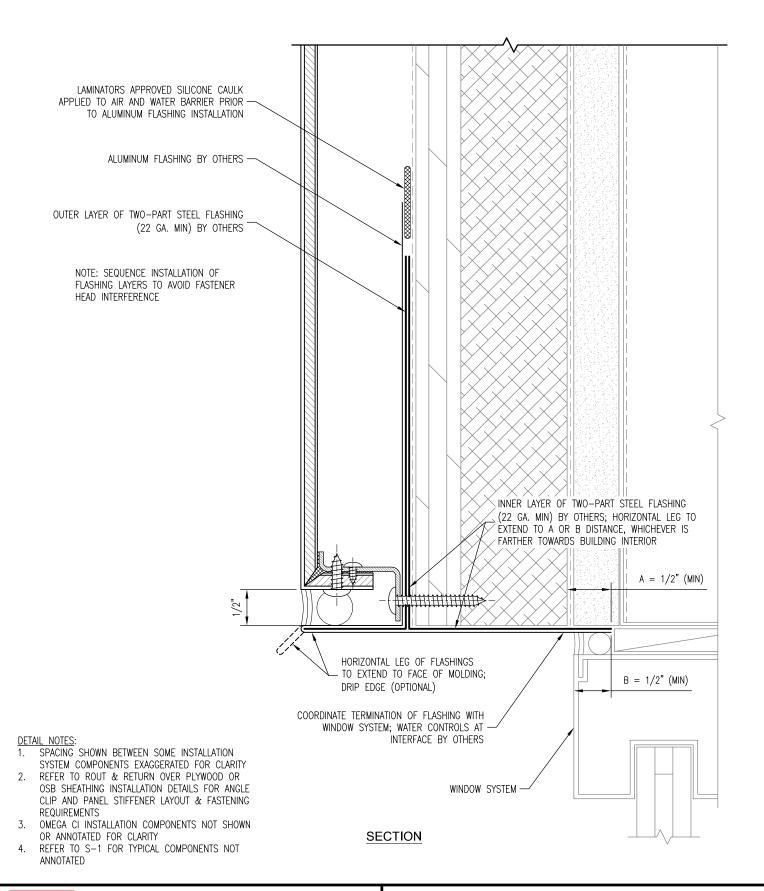
Drawn By: MJR / JJM

Detail Set: RR-OCI

Dwg No.: S-1

Rev:

04





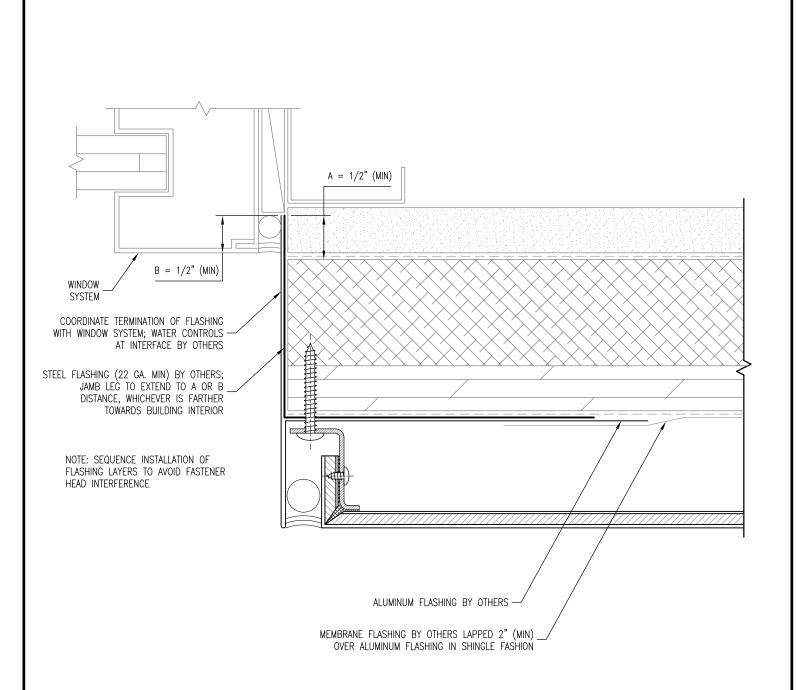
| WINDOW HEAD DETAIL (NFPA 285 ZONE)

ROUT & RETURN INSTALLATION SYSTEM OVER OMEGA CI

Date: Drawn By: 1/15/2020 MJR / JJM

800.523.2347

Detail Set: RR-OCI Dwg. No.: Rev: S-2 01



PLAN SECTION

DETAIL NOTES:

- SPACING SHOWN BETWEEN SOME INSTALLATION SYSTEM COMPONENTS EXAGGERATED FOR CLARITY
- REFER TO ROUT & RETURN OVER PLYWOOD OR OSB SHEATHING INSTALLATION DETAILS FOR ANGLE CLIP AND PANEL STIFFENER LAYOUT & FASTENING REQUIREMENTS
- OMEGA CI INSTALLATION COMPONENTS NOT SHOWN OR ANNOTATED FOR CLARITY
- 4. REFER TO S-1 FOR TYPICAL COMPONENTS NOT ANNOTATED

OMEGA PANEL PRODUCTS Ω LAMINATORS INC

| WINDOW JAMB DETAIL (NFPA 285 ZONE)

ROUT & RETURN INSTALLATION SYSTEM OVER OMEGA CI

Date: Drawn By: 1/15/2020 MJR / JJM

Detail Set: RR-OCI Dwg. No.: S-3 Rev:

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