www.icc-es.org | (800) 423-6587 | (562) 699-0543 *A Subsidiary of the International Code Council®*

ICC-ES Listing Report

Reissued February 2024

ESL-1249

This listing is subject to renewal February 2025.

CSI: DIVISION: 07 00 00—THERMAL AND MOISTURE PROTECTION
Section: 07 42 43 – Composite Wall Panels

Product Certification System:

The ICC-ES product-certification system includes evaluating reports of tests of standard manufactured product, prepared by accredited testing laboratories and provided by the listee, to verify compliance with applicable codes and standards. The system also involves factory inspections, and assessment and surveillance of the listee's quality system.

Product: OMEGA-LITE® ACM PANELS

Listee: LAMINATORS, INC.

Evaluation: Omega-Lite® ACM panels are prefabricated panels consisting of a 0.185-inch (4.7 mm) thick extruded polypropylene core bonded to an unfinished 0.013-inch (0.33 mm) thick aluminum backer sheet on one side and a finished 0.028-inch (0.71 mm) thick aluminum sheet on the other side to create an overall panel thickness of 0.24-inch (6 mm) nominal; the panels were evaluated when tested in accordance to the following standard:

- AAMA 509-09 (Editorial Revision 2014) – Voluntary Test and Classification Method for Drained and Back Ventilated Rain Screen Wall Cladding Systems, American Architectural Manufacturing Association.

Findings: Omega-Lite® ACM panels when used in various installation systems have a system classification as specified in Table 1 below based on testing in accordance with AAMA 509. See Figures 1-3 for details.

TABLE 1—SYSTEM CLASSIFICATION OF INSTALLATION SYSTEMS USING OMEGA-LITE® ACM PANELS

	INSTALLATION SYSTEM		
	CLIP & CAULK SYSTEM WITH HORIZONTAL LAYOUT OF BD&V SUB-FRAMING OVER GYPSUM SHEATHING (Figure 1)	CLIP & CAULK SYSTEM WITH VERTICAL LAYOUT OF BD&V SUB-FRAMING OVER OMEGA CI (Figure 2)	1-PIECE, TIGHT-FIT MOLDING SYSTEM WITH VERTICAL LAYOUT OF BD&V SUB-FRAMING OVER OMEGA CI (Figure 3)
VENTILATION RATING	V1	V2	V2
WATER PENETRATION RATING	W1	W1	W1

Identification:

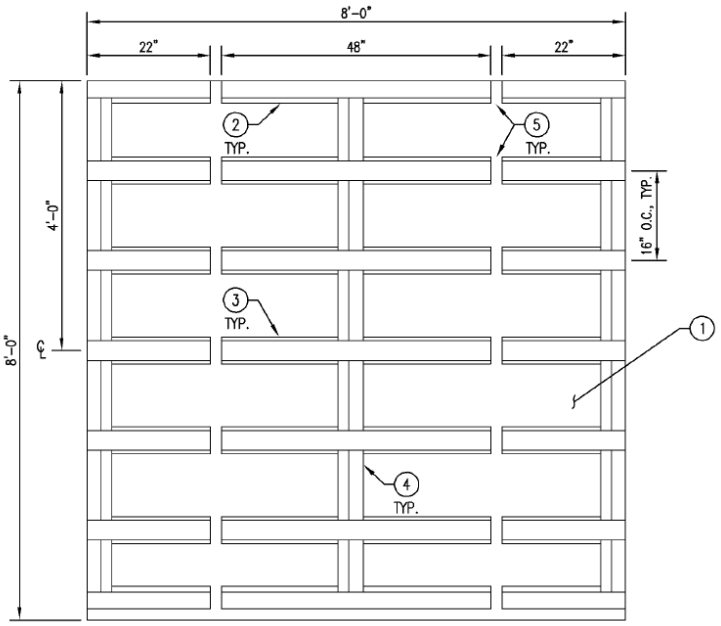
1. Packaging of the Omega-Lite® ACM panels carry a label indicating the manufacturer's name (Laminators Inc.) and address, the product name (Omega-Lite® ACM panels), ICC-ES listing number (ESL-1249), and when applicable, the ICC-ES listing mark.
2. The report holder's contact information is the following:

LAMINATORS, INC.
3255 PENN STREET
HATFIELD, PENNSYLVANIA 19440
(877) 663-4277
www.laminatorsinc.com

Installation: The product must be installed in accordance with Laminators Inc's published installation instructions and applicable codes.

Conditions of Listing:

1. The listing report addresses only conformance with the standard and code sections noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing report applies only to the materials tested and as submitted for review by ICC-ES.
4. The Omega-Lite® ACM panels are manufactured under a quality control program with inspections by ICC-ES.



TEST WALL ASSEMBLY (AAMA 509)
ELEVATION VIEW 1 - SUB-FRAMING LAYOUT

(1) AAMA 509 TEST WALL ASSEMBLY

(2) EJ SUB-FRAMING MEMBERS INSTALLED ALONG TOP AND BOTTOM EDGES OF TEST WALL ASSEMBLY

(3) SH SUB-FRAMING MEMBERS INSTALLED AT 16" O.C. SPACING BETWEEN HORIZONTAL EJ MEMBERS

(4) DISCONTINUOUS FV SUB-FRAMING MEMBERS INSTALLED BETWEEN HORIZONTAL EJ AND SH MEMBERS ALONG VERTICAL PANEL JOINT AND EDGES OF TEST WALL ASSEMBLY; FV MEMBERS CONNECTED TO FLANGES OF HORIZONTAL MEMBERS

(5) 2" DRAINAGE GAPS MAINTAINED IN EJ AND SH MEMBERS

NOTE: TESTING BUCK NOT SHOWN FOR CLARITY

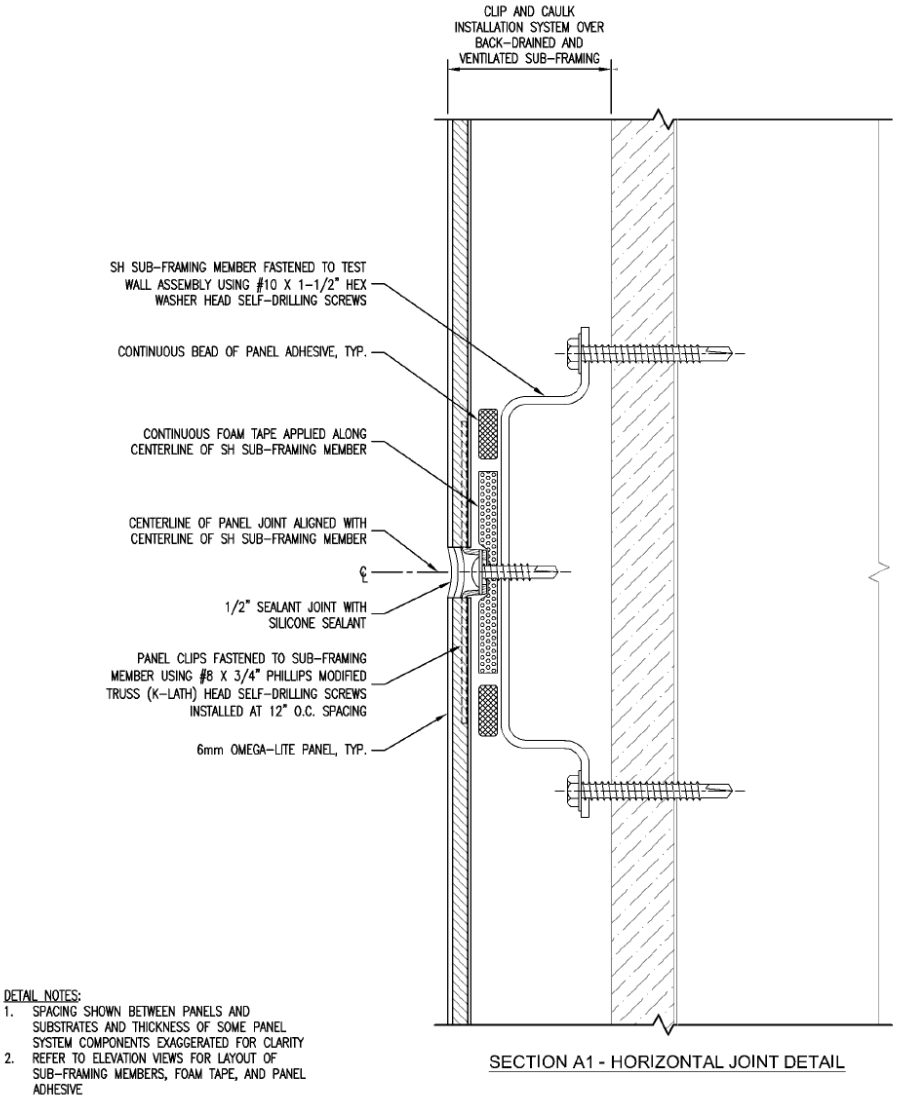
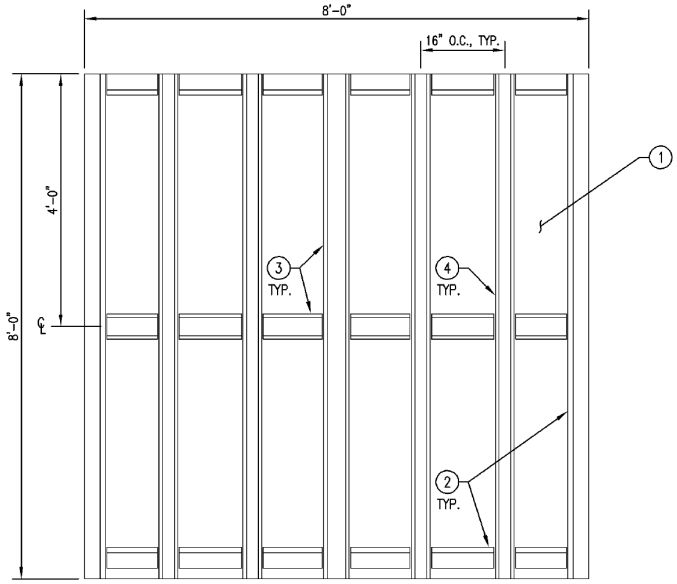


FIGURE 1—CLIP & CAULK INSTALLATION SYSTEM WITH HORIZONTAL LAYOUT OF BD&V SUB-FRAMING OVER GYPSUM SHEATHING



TEST WALL ASSEMBLY (AAMA 509)
ELEVATION VIEW 1 - SUB-FRAMING LAYOUT

1. AAMA 509 TEST WALL ASSEMBLY
2. EJ SUB-FRAMING MEMBERS INSTALLED ALONG PERIMETER OF INSTALLATION; CONTINUOUS MEMBERS AT VERTICAL EDGES AND DISCONTINUOUS MEMBERS FIT BETWEEN FLANGES OF VERTICAL MEMBERS AT HORIZONTAL EDGES
3. SH SUB-FRAMING MEMBERS INSTALLED ALONG PANEL JOINTS; CONTINUOUS MEMBERS AT VERTICAL JOINT AND DISCONTINUOUS MEMBERS FIT BETWEEN FLANGES OF VERTICAL MEMBERS AT HORIZONTAL JOINT
4. CONTINUOUS AH SUB-FRAMING MEMBERS INSTALLED AT 16" O.C. SPACING BETWEEN VERTICAL EJ AND SH MEMBERS

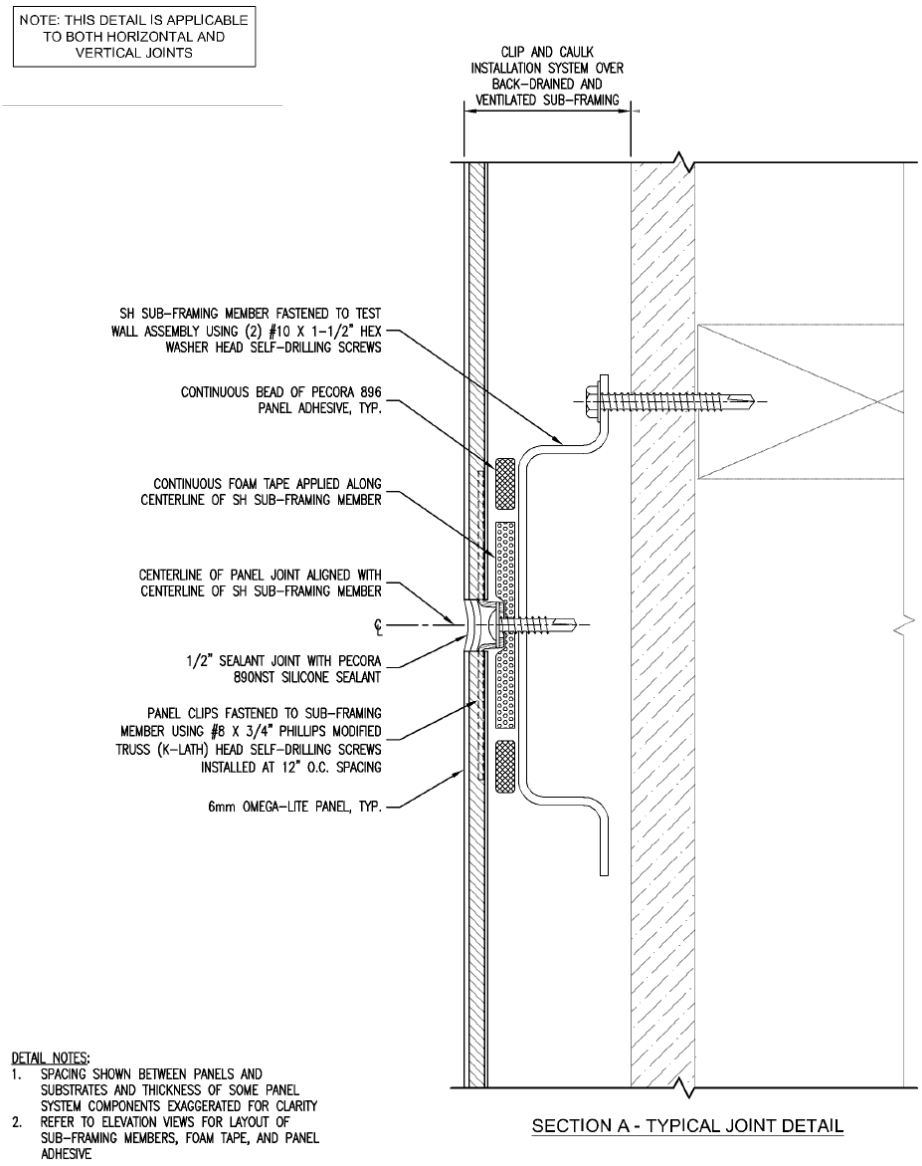
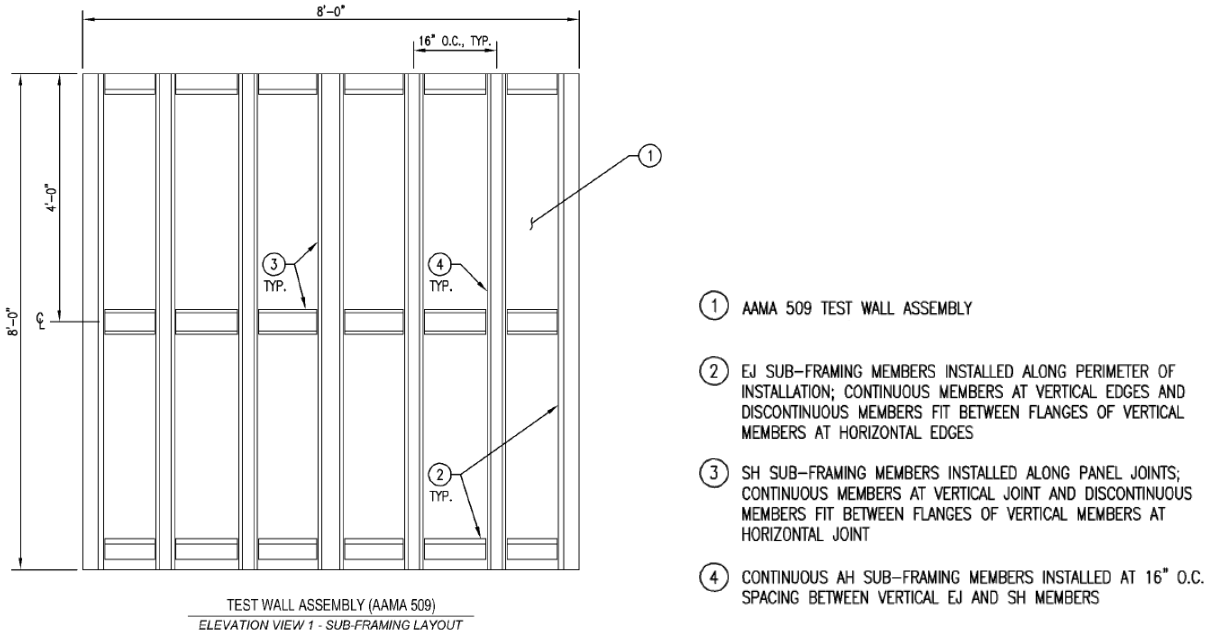


FIGURE 2—CLIP & CAULK INSTALLATION SYSTEM WITH VERTICAL LAYOUT OF BD&V SUB-FRAMING OVER OMEGA CI



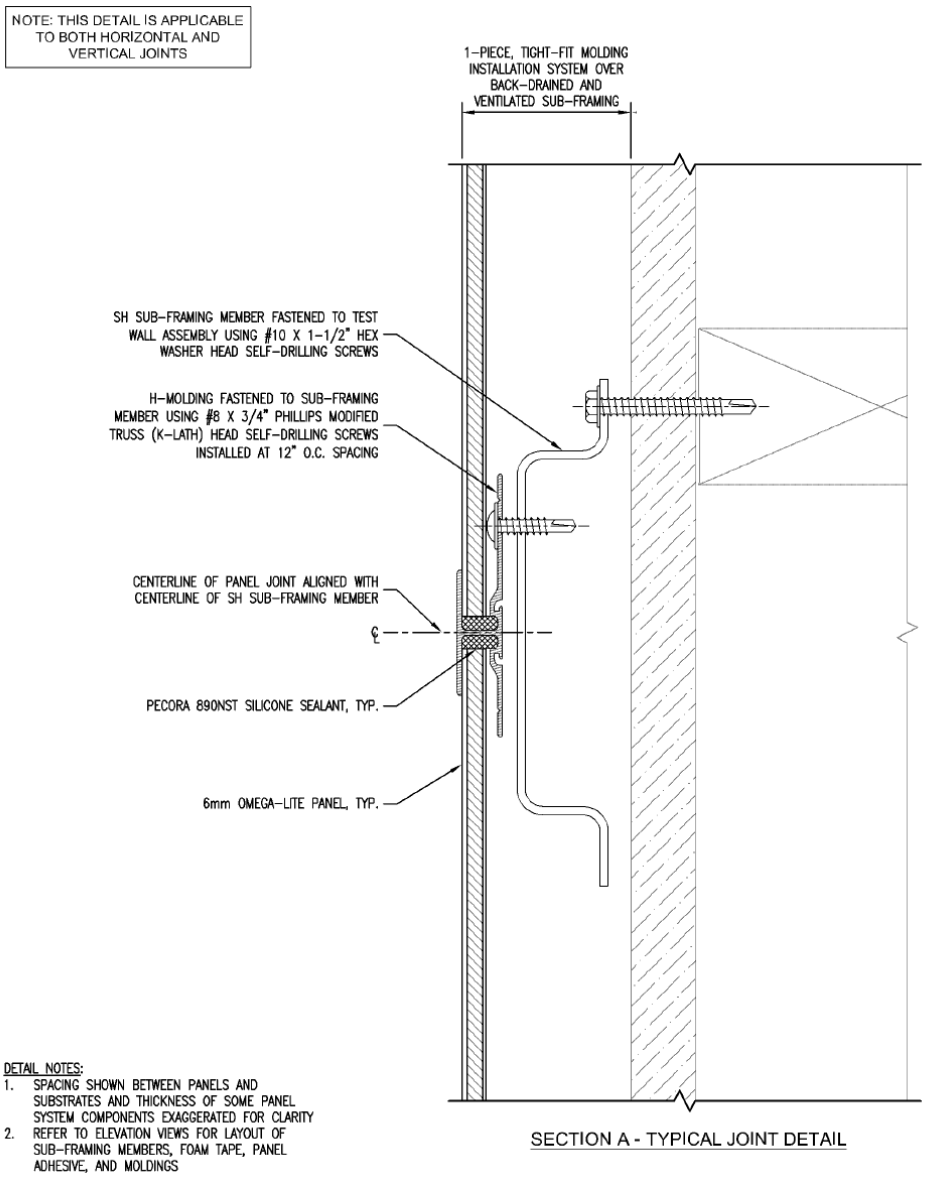


FIGURE 3—1-PIECE, TIGHT-FIT MOLDING INSTALLATION SYSTEM WITH VERTICAL LAYOUT OF BD&V SUB-FRAMING OVER OMEGA CI