



ICC-ES Listing Report

ESL-1526

Issued August 2023

This listing is subject to renewal August 2024.

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: REYNOBOND® FR METAL COMPOSITE MATERIAL (MCM) PANELS

Listee: ARCONIC ARCHITECTURAL PRODUCTS, LLC

Evaluation: The Reynobond® FR Metal Composite Material (MCM) Panels were evaluated based on a tested exterior non-load-bearing wall assembly consisting of building material components described in the Assembly Section, tested in accordance with the following standard:

- CAN/ULC-S134-13-R2018, Standard Method of Fire Tests of Exterior Wall Assemblies, Standards Council of Canada and ULC Standards

Assembly: Reynobond® FR Metal Composite Material (MCM) Panels consist of two nominally 0.020-inch-thick aluminum skins, bonded to both surfaces of a polyethylene-based core containing inorganic fillers. The panels are available in an overall panel thickness of 0.157 inch (4 mm). The 4-millimeter-thick panels weigh 1.55 lb/ft² (7.56 kg/m²). The core material has a nominal density of 103.8 lb/ft³ (1.66 g/cm³). The panels and fastening system are installed on the exterior face of exterior walls of buildings. The aluminum skins are available in anodized, brushed, or coil-applied-painted finishes. See Figure 1 for assembly details.

Exterior Finish: One layer of minimum 12.7 mm (½-inch) thick glass mat exterior gypsum sheathing, complying with ASTM C1177, must be placed horizontally across the full exterior surface of the assembly. The gypsum sheathing must be fastened to the exterior wall in accordance with applicable building code requirements. VaproShield RevealFlashing SA® Self-Adhered water resistive barrier must be applied directly over the exterior sheathing. No. 16 GA by 51 mm (2-inch) wide galvanized steel zee girts must be installed horizontally to the exterior wall in accordance with applicable building code requirements. A 51 mm (2-inch) thick mineral wool insulation having a density of 68.9 kg/m³ (4.3 lb/ft³) must then be friction fitted in the cavities between the zee girts. Reynobond® FR Metal Composite Material (MCM) Panels must be fastened to the zee girts using 3-inch-wide (76 mm) aluminum extrusion clips spaced nominally at 36 inches on center using No. 14 x 2½-inch-long self-drilling screws as shown in Figure 1.

Window Detailing: The opening headers, jambs and sills must be flashed using 1 mm (0.040 in.) thick, 4-inch-wide (101 mm), aluminum flashing attached with No. 14 x 2½-inch long (63.5 mm) Hex head, self-drilling fasteners.

Findings: The assembly described in the Assembly Section, with the Reynobond® FR Metal Composite Material (MCM) Panels as a component of the wall assembly, meets the acceptance criteria as noted in Clause 10.2. of CAN/ULC-S134, and as referenced in the applicable sections of the following code editions.

- *National Building Code of Canada*® 2020 and 2015
Applicable Section: Volume 1, Division B, Section 3.1.5.5.(1)
Applicable Sections: Volume 2, Division B, Sections 9.10.14.5.(2); 9.10.15.5.(2); and 9.10.15.5.(3)

Identification:

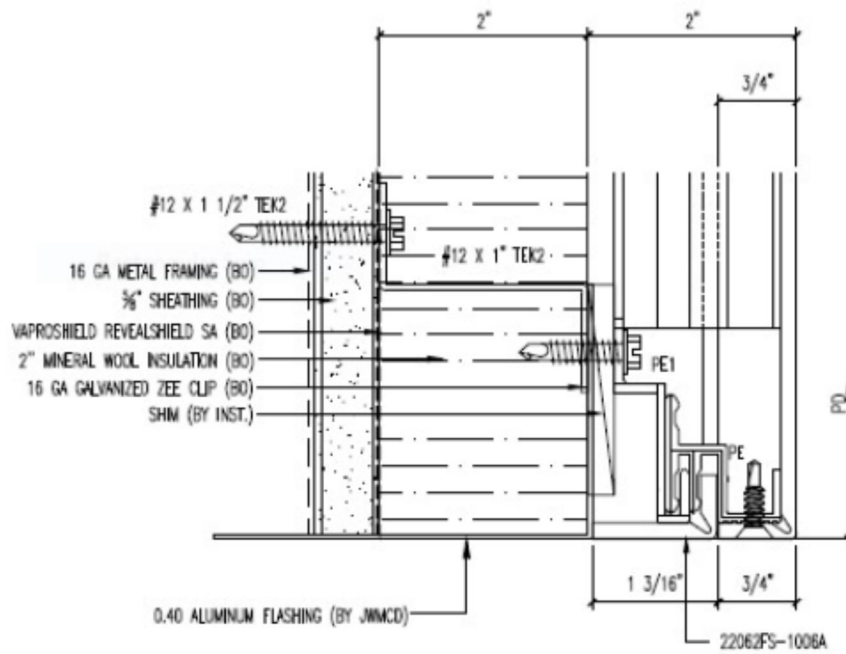
1. The ICC-ES mark of conformity, electronic labeling, or the listing report number (ICC-ES ESL-1526), and when applicable, the ICC-ES listing mark, along with the name, registered trademark, or registered logo of the listee must be included in the product label.
2. In addition, packaging of the Reynobond® FR Metal Composite Material (MCM) Panels carry a label indicating the manufacturer's address, and the product name.
3. The report holder's contact information is the following:

ARCONIC ARCHITECTURAL PRODUCTS, LLC
50 INDUSTRIAL BOULEVARD
EASTMAN, GEORGIA 31023
(478) 374-4746
www.reynobond.com

Installation: The product must be installed in accordance with the Arconic Architectural Products, LLC published installation instructions and applicable codes.

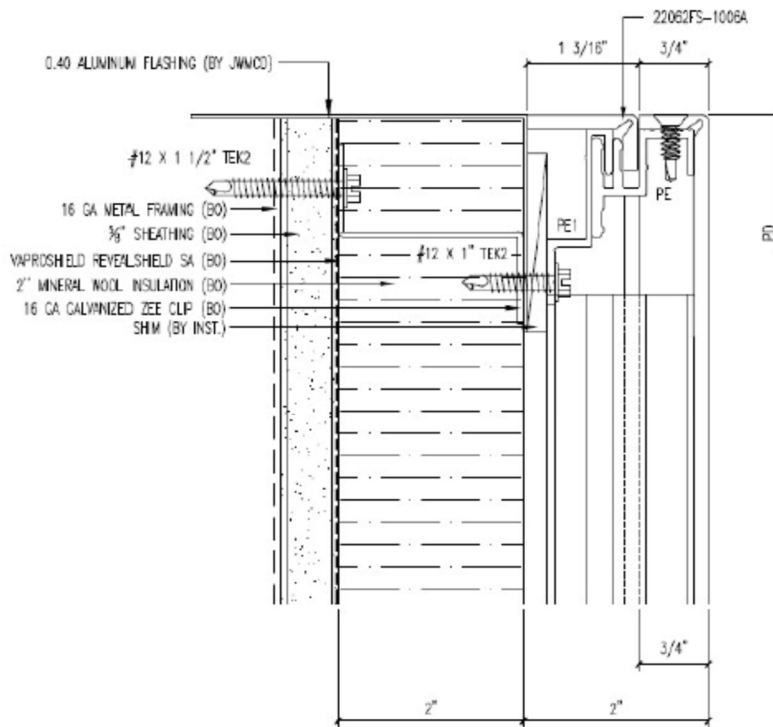
Conditions of listing:

1. The listing addresses only conformance with the standards and code sections noted above.
2. Approval of the product's use is the sole responsibility of the local code official.
3. The listing applies only to the materials tested and as submitted for review by ICC-ES.
4. Reynobond® FR Metal Composite Material (MCM) Panels have met the following acceptance criteria in accordance with Clause 10.2 of CAN/ULC-S134:
 - Flaming on or in the wall assembly shall not spread more than 5 m above the opening in the test specimen as describe in the Assembly Section.
 - The average heat flux shall not be more than 35 kW/m² measured 3.5 m above the opening in the test specimen as describe in the Assembly Section.
5. Reynobond® FR Metal Composite Material (MCM) Panels are manufactured under quality control program inspections by ICC-ES.



4 TERMINATION DETAIL @ OPENING
 401 AIAA 1526 Architectural reference is not provided.
 15 FEB 2021

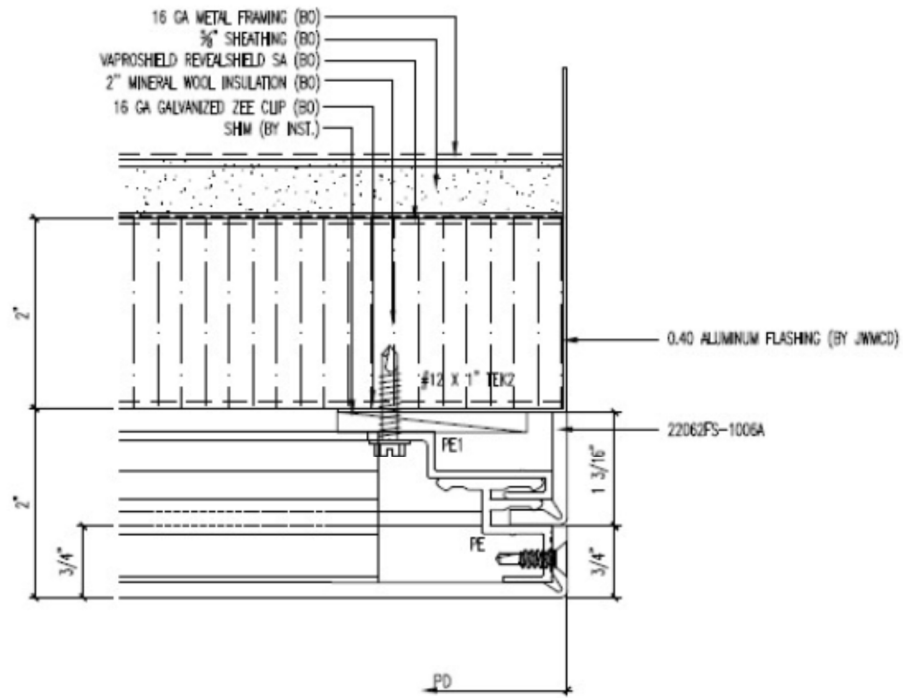
Header Detail



3 TERMINATION DETAIL @ OPENING
 401 AIAA 1526 Architectural reference is not provided.
 15 FEB 2021

Sill Detail

FIGURE 1 – TYPICAL WALL ASSEMBLY (continued)



Jamb Detail

FIGURE 1 – TYPICAL WALL ASSEMBLY (continued)