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ICC-ES Listing Report

ESL-1115

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Issued 06/2018

This listing is subject to renewal 06/2019.

DIVISION: 10 00 00—SPECIALTIES

SECTION: 10 22 00—PARTITIONS

REPORT HOLDER:

MACH WALL, LLC

EVALUATION SUBJECT:

MACH WALL



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CSI: DIVISION: 10 00 00—SPECIALTIES
Section: 10 22 00—Partitions

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: MACH WALL VERTICAL WALL PANELS

Listee: MACH WALL, LLC.

Evaluation: Mach Wall Vertical Wall Panels were evaluated based on a tested interior non-load-bearing wall assembly consisting of building materials components described in the Assembly Section, tested in accordance with the following standard:

NFPA 286 (-15 and -11), Standard Methods of Fire Tests for Evaluating Contribution of Wall and Ceiling Interior Finish to Room Fire Growth, National Fire Protection Association.

Assembly: The Mach Wall Vertical Wall Panels are sandwich panels consisting of expanded polystyrene (EPS) foam plastic cores with gypsum wallboard facings. Each panel is 48 inches (1219.2 mm) wide by 96 inches (2438.4 mm) long and consists of the following: two 1¹³/₁₆ inches thick (46.04 mm), ASTM C578 complying corrugated (one face only) EPS boards adhered perpendicular to each other on the corrugated face to form the 3⁵/₈ inches thick (92.08 mm) core; and one layer of 1/2-inch-thick (12.7 mm) gypsum wallboard, complying with ASTM C1396, factory-adhered to each side of the EPS core material. All wallboard joints must be taped with joint tape and compound and screw heads are covered with joint compound in accordance with ASTM C840 or GA 216. All panels are joined together with 20 gage galvanized steel splines that are placed in the panels' routed edges and fastened using 1 1/4 inches (31.7 mm) long fine thread drywall screws spaced 24 inches (609.6 mm) on center and 3/4-inch (19.05 mm) from the edge of the panel. The finished panels have an overall thickness of 4⁵/₈ inches (117.4 mm). 25 gage galvanized steel track must be used to secure the top and bottom of the wall panels into the routed edges after splines are installed. The track is fastened to the panels using 1 1/4 inches (31.7 mm) long fine thread drywall screws spaced 16 inches (406.4 mm) on center.

Findings: The assembly described in the Assembly Section, with the Mach Wall vertical wall panels, complies with the conditions of acceptance described in NFPA 286 when tested in accordance with NFPA 286, as referenced in the applicable sections of the following code editions.

- 2018 *International Building Code*®
Applicable Sections: 803.1.1 and 2603.9
- 2015 *International Building Code*®
Applicable Sections: 803.1.2 and 2603.9
- 2012 *International Building Code*®
Applicable Sections: 803.1.2 and 2603.10

Identification: 1. Each Mach Wall vertical wall panel is identified by a label that includes the product panel number, the name and address of the manufacturer (Mach Wall, LLC.), the listing report number (ESL-1115), and when applicable, the ICC-ES Listing Mark.

2. The report holder's contact information is the following:

MACH WALL, LLC.
2272 MONTAUK HIGHWAY
BRIDGEHAMPTON, NEW YORK 11932
(631) 204-5590
www.machwall.com

Installation: Mach Wall vertical wall panels must be installed in accordance with the Mach Wall's published installation instructions and this listing.

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 Assembly section describes the assembly using Mach Wall vertical wall panels that have been qualified for use in an interior nonload-bearing wall assembly.