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LAMINATORS, INC.
LETTER OF RESULTS

SCOPE OF WORK
NFPA 285 TESTING ON EXTERIOR NON-LOAD-BEARING WALL ASSEMBLY CONTAINING CLIP AND CAULK INSTALLATION SYSTEM WITH BACK-DRAINED AND VENTILATED SUB-FRAMING OVER OMEGA CI

REFERENCE PROJECT NUMBER
I1284.08-121-24

TEST DATE
02/07/19

LETTER OF RESULTS ISSUE DATE
08/14/19

RECORD RETENTION END DATE
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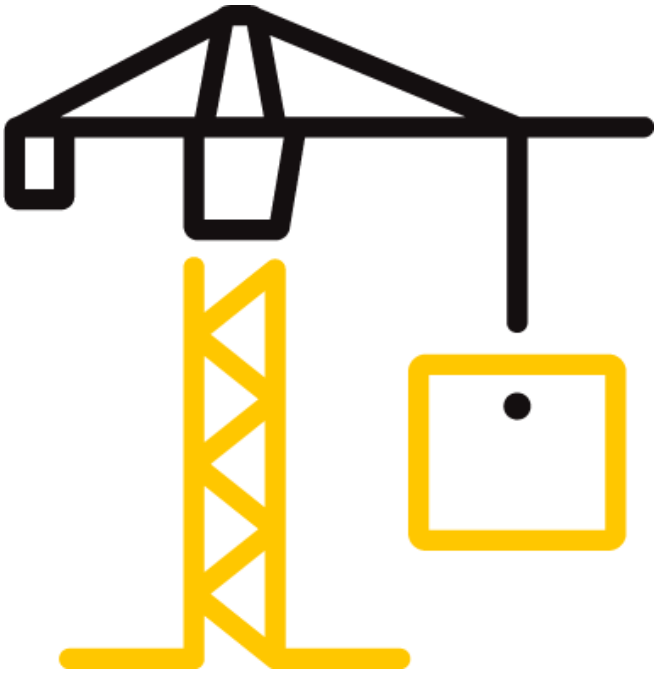

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LETTER OF RESULTS FOR LAMINATORS, INC.
Reference Project No.: I1284.08-121-24
Date: 08/14/19

LETTER OF RESULTS ISSUED TO

Laminators, Inc.
3255 Penn Street
Hatfield, Pennsylvania 19440

SECTION 1
SCOPE

Intertek Building & Construction (B&C) was contracted by Laminators, Inc., 3255 Penn Street Hatfield, Pennsylvania 19440 to evaluate the flame propagation characteristics of an exterior, non-load-bearing wall assembly containing Clip & Caulk (C&C) Installation System with back-drained and ventilated (BD&V) sub-framing over Omega CI. Testing was conducted at the Intertek B&C test facility in York, Pennsylvania. Results obtained are tested values and were secured by using the designated test method(s). A summary of test results and test assembly is reported herein.

This report does not constitute a complete test report, certification of this product, nor an opinion or endorsement by this laboratory. For full details of the project, reference Intertek-ATI test report number I1284.08-121-24.

SECTION 2
SUMMARY OF TEST RESULTS

Wall System: Exterior Non-load-bearing Wall Assembly
Combustible Components: Carlisle FR Barritech™ VP Fluid-applied vapor-permeable air barrier, Omega CI rigid insulation panels, 6mm Omega-Lite ACM panel

NFPA 285 Test Results
The assembly summarized and referenced in this document **did** meet the Conditions of Acceptance of NFPA 285. Construction of the tested assembly is summarized in Section 5 of this document.

For INTERTEK B&C:

COMPLETED BY:	Scott Gingrich	**REVIEWED BY:**	Ethan Grove
TITLE:	Technician Team Lead – Fire Testing	**TITLE:**	Manager – Fire Testing
SIGNATURE:	Digitally Signed by: Scott Gingrich	**SIGNATURE:**	Digitally Signed by: Ethan Grove
DATE:	08/14/19	**DATE:**	08/14/19

SDG:ddr

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SECTION 3
TEST METHOD

The assembly was evaluated in accordance with the following:

> **NFPA 285-12**, *Standard Fire Test Method for Evaluation of Fire Propagation Characteristics of Exterior Non-Load-Bearing Wall Assemblies Containing Combustible Components*

SECTION 4
TEST PROCEDURE

For complete test procedure, conditions, and calibration values, reference Intertek-ATI Test Report #I1284.08-121-24.

SECTION 5
TEST ASSEMBLY DESCRIPTION

For the complete assembly description and installation procedures, reference Intertek-ATI Test Report number I1284.08-121-24.

Interior Cladding
5/8 in. thick National Gypsum Gold Bond® Fire-Shield® gypsum board meeting the requirements of ASTM C1396 was installed over the complete interior surface of the assembly.

Insulation
Rockwool® ComfortBatt® R15 a semi-rigid batt stone wool insulation measuring 15-1/4 in. wide x 47 in. long x 3-1/2 in. thick was friction fit inside each stud cavity of the assembly.

Framing
18 Gauge x 3-5/8 in. wide galvanized steel studs were installed to 18 Gauge x 3-5/8 in. wide galvanized steel track with a spacing of 16 inches on center. Johns Manville MinWool® Safing was installed at each floor line between each stud.

Exterior Sheathing
5/8 in. thick National Gypsum Gold Bond® eXP® exterior gypsum sheathing, meeting the requirements of ASTM C1177, was installed over the complete exterior surface of the framing assembly. The gypsum sheathing was then covered with 2.1 in. thick Omega CI rigid insulation panels. These panels were staggered from the exterior sheathing joints.

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SECTION 5 (Continued)
TEST ASSEMBLY DESCRIPTION

Water-resistive Barrier
Carlisle Coatings and Waterproofing Fire Resist Barritech™ VP a fluid-applied membrane was installed at a 60 wet mil (0.060 in.) wet thickness on the Omega CI rigid insulation panels, which yielded a 40 mil (0.040 in.) dry thickness.

Window Opening
A two-part 22-gauge steel flashing was added to the window opening before cladding installation began. Once cladding was installed, 0.028 in. thick aluminum flashing was then installed over the steel flashing of the window opening.

Exterior Cladding Attachment
6005A-T61 alloy/temper aluminum extrusions marked “AH”, “SH”, and “EJ” were installed at specific locations. Reference Drawings in the test report for usage and locations. Prior to cladding installation, 7 lb. density closed-cell PVC foam tape was applied to the face of the sub-framing extrusions. This tape was applied continuous along all the panel joint locations and in strips on 16 in. centers in the field of all panels. 1/4 in. to 3/8 in. bead of panel adhesive was applied to the face of the sub-framing. These beads were continuous along all panel joints and 2 in. x 3 in. Z-formations on 16 in. centers in the field of the panels.

Exterior Cladding
6MM Omega-Lite ACM panels were installed to the sub-framing. Closed-cell foam backer rod was placed along the joint recesses. 1/2 in. wide x 1/4 in. thick silicone caulk was used to fill all panel joints. The assembly was allowed to cure for 7 days (minimum recommended) before testing was conducted.

SECTION 6
TEST OBSERVATIONS & RESULTS

For complete test observations and specific acceptance criteria, reference Intertek-ATI Test Report #I1284.08-121-24.