Farabaugh Engineering and Testing Inc.

Project No. T109-18

Report Date: January 25, 2018

No. of Pages: 4 (inclusive)

# PERFORMANCE TEST REPORT

## ASTM E283 AIR LEAKAGE TEST

ON

## METAL ROOF VENT

FOR

CUSTOM METAL COMPONENTS, INC.
10617 S. HIGHWAY 377
DUBLIN, TX 76446

Report Prepared By:

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Reviewed and Approved By:

Paul G. Farabaugh

**OBJECTIVE:**
The purpose of this testing was to determine the performance of the test specimens under the conditions set forth in the referenced standards and as provided herein.

**TEST ASSEMBLY:**
The mock-up consisted of a Metal Roof Vent fabricated from 26 ga galv. metal with punched slotted holes as shown on the attached drawing.

**TEST PROCEDURE:**
The air leakage test was per ASTM E283-04 "Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen" and as provided herein. A controlled blower provided a uniform load the specimen mock-up.

# TEST DATA

Test Date: 1/25/18

Specimen: 26 ga Slotted Metal Roof Vent

Test Area: 12" Length of Slotted Holes

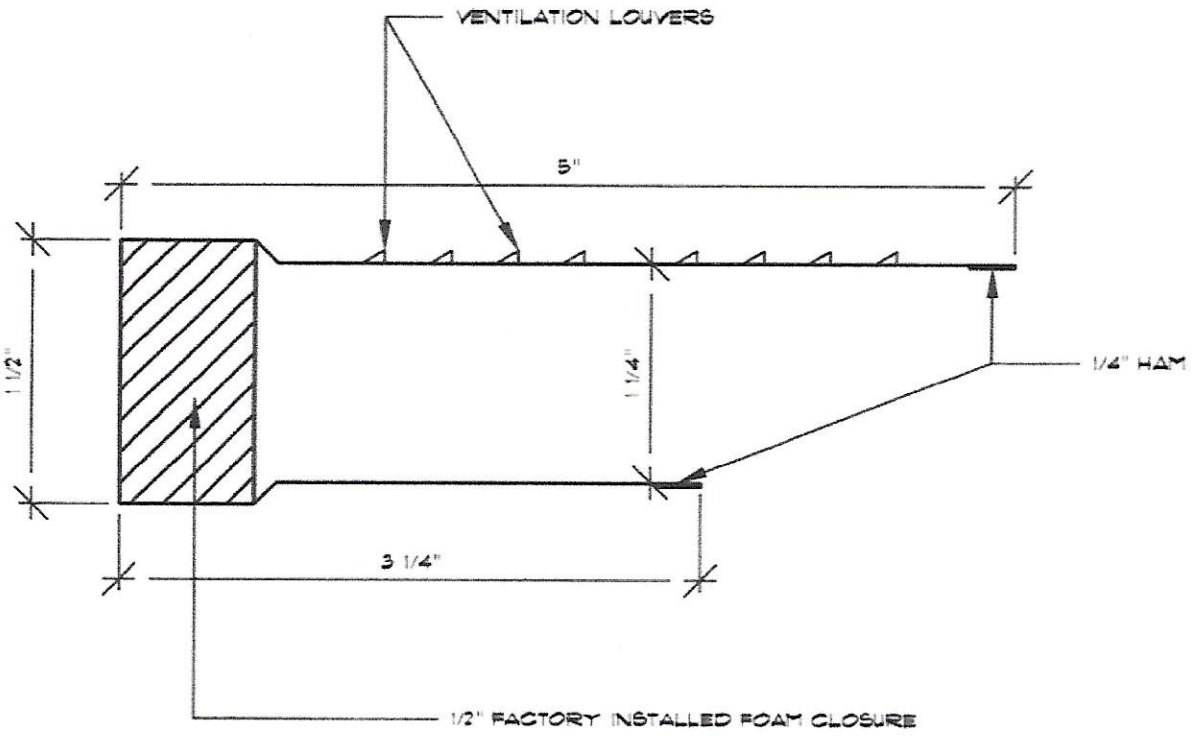
**ASTM E283-04 Air Test**

**INFILTRATION**

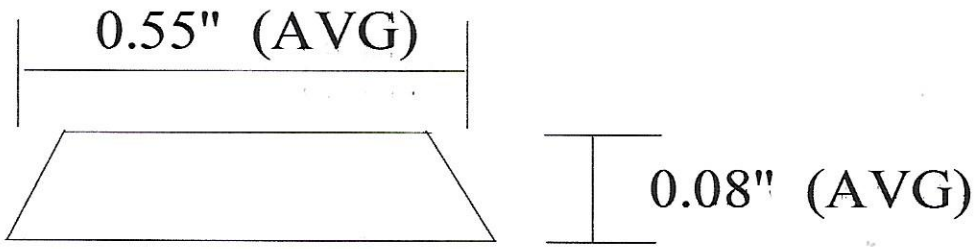
| TEST PRESSURE (PSF) | TEST PRESSURE (Pa) | AIR LEAKAGE RATE (CFM) |
|---|---|---|
| 1.57 | 75.17 | 44.0 |
| 6.24 | 298.77 | 86.1 |

**EXFILTRATION**

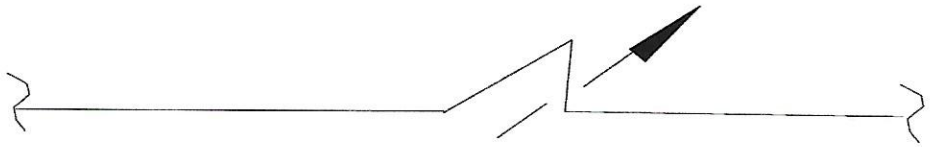
| TEST PRESSURE (PSF) | TEST PRESSURE (Pa) | AIR LEAKAGE RATE (CFM) |
|---|---|---|
| 1.57 | 75.17 | 37.5 |
| 6.24 | 298.77 | 74.5 |



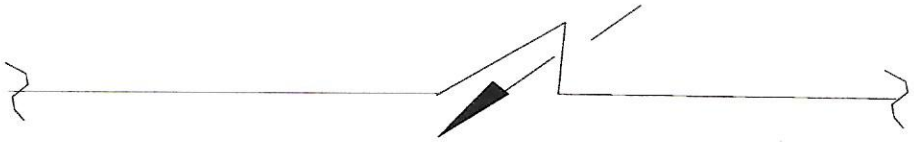

1 1/4" PROFILE



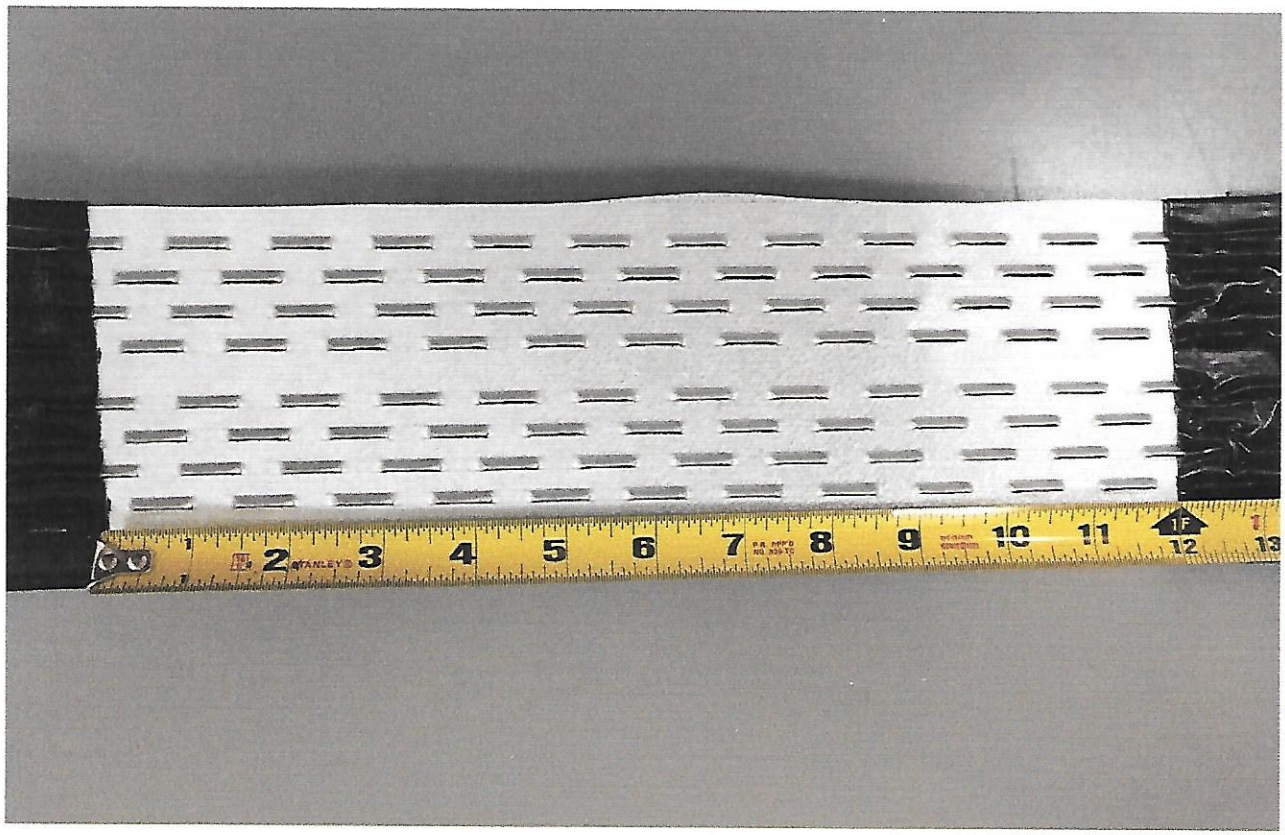

# SLOTTED OPENING DIMENSIONS



INFILTRATION AIR FLOW DIRECTION



EXFILTRATION AIR FLOW DIRECTION




# TEST SPECIMEN AREA