



Farabaugh Engineering and Testing Inc.

Project No. T109-18A

Report Date: January 25, 2018
Revised May 21, 2018

No. of Pages: 4 (inclusive)

PERFORMANCE TEST REPORT

ASTM E283 AIR LEAKAGE TEST

ON

METAL ROOF VENT

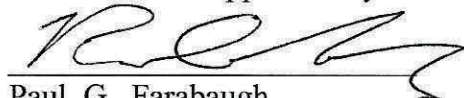
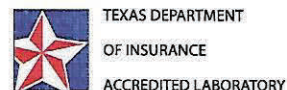
FOR

VENT-A-ROOF

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" (304.8 mm) Length of Slotted Holes

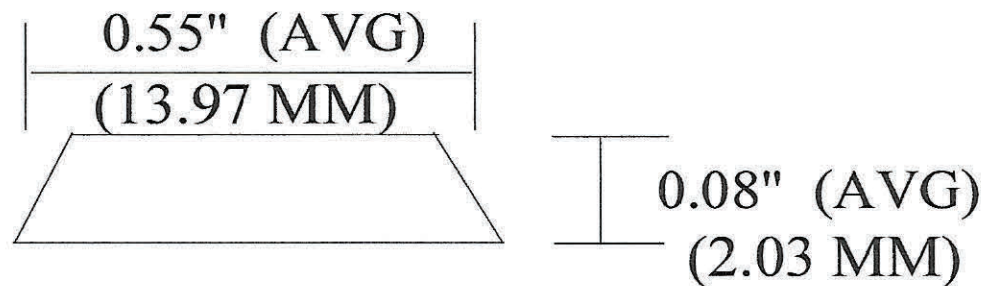
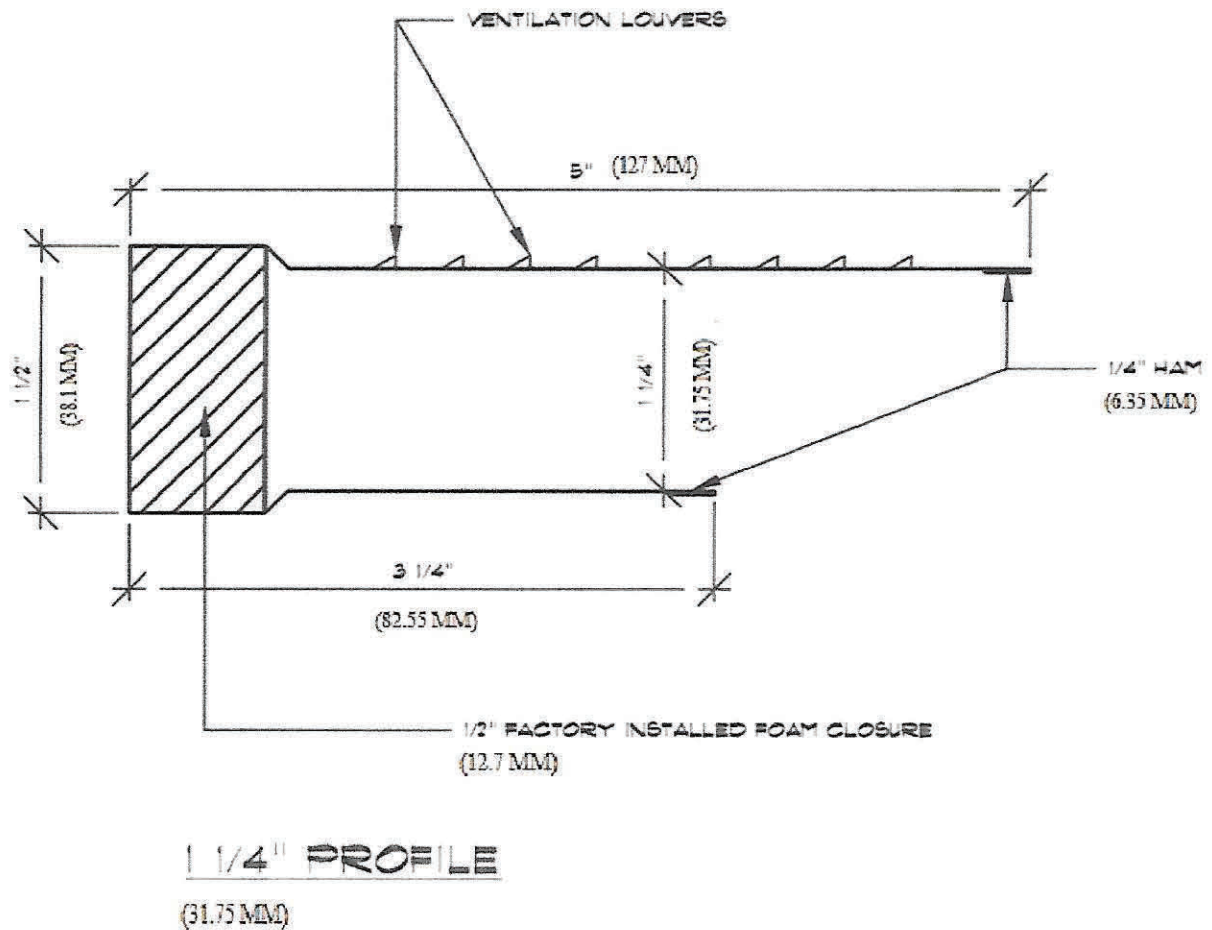
ASTM E283-04 Air Test

INFILTRATION

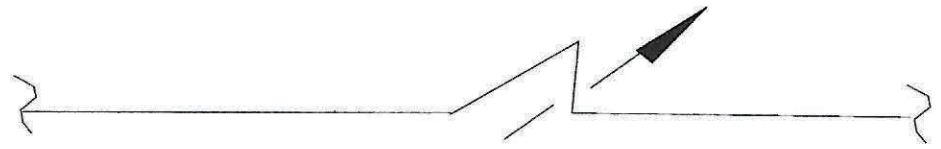
TEST PRESSURE (PSF)	TEST PRESSURE (Pa)	AIR LEAKAGE RATE (CFM)
1.57	75.17	44.0
6.24	298.77	86.1

EXFILTRATION

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



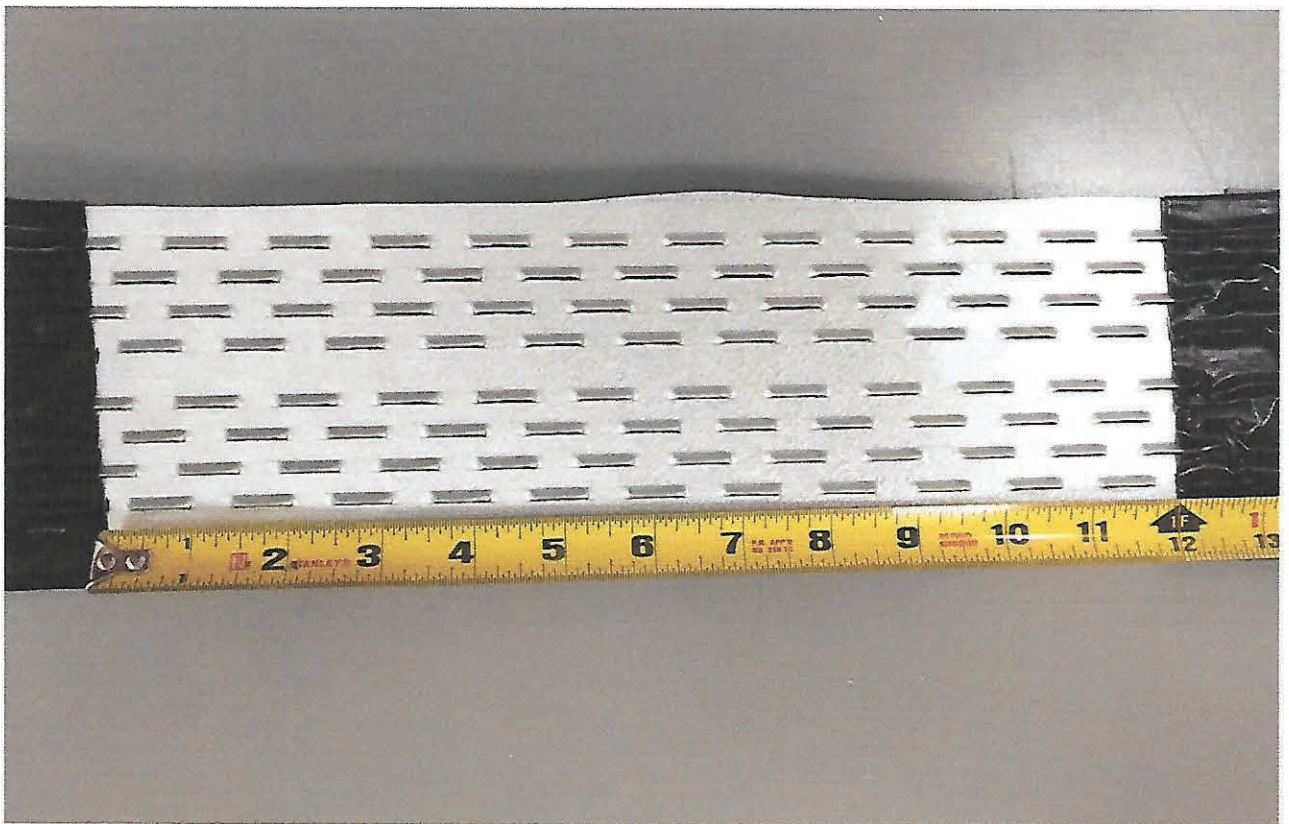
SLOTTED OPENING DIMENSIONS



INFILTRATION AIR FLOW DIRECTION



EXFILTRATION AIR FLOW DIRECTION



TEST SPECIMEN AREA