

ARCOPLAST, INC.

TEST REPORT

SCOPE OF WORK

ASTM E283 TESTING ON ARCOPLAST AD-3, ACCESS DOOR

REPORT NUMBER

I2806.01-109-44

TEST DATE(S)

04/05/18

ISSUE DATE

05/04/18

RECORD RETENTION END DATE

04/05/22

PAGES

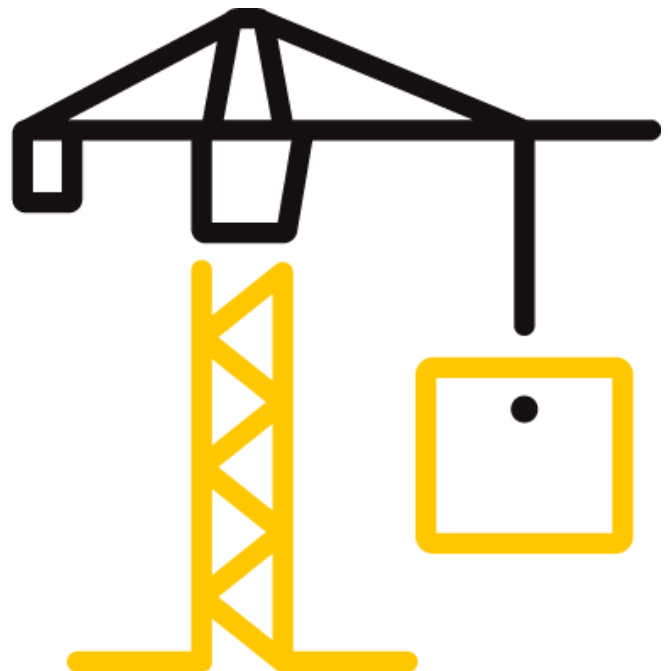
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DOCUMENT CONTROL NUMBER

ATI 00479 (07/24/17)

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www.intertek.com/building

TEST REPORT FOR ARCOPLAST, INC.

Report No.: I2806.01-109-44

Date: 05/04/18

REPORT ISSUED TO

ARCOPLAST, INC.

1873 Williamstown Drive
St. Peters, Missouri 63376

SECTION 1

SCOPE

Intertek Building & Construction (B&C) was contracted by Arcoplast, Inc. to perform testing in accordance with ASTM E283, on their Arcoplast AD-3, Access Door. Results obtained are tested values and were secured by using the designated test method(s). Testing was conducted at Intertek B&C test facility in York, Pennsylvania.

This report does not constitute certification of this product nor an opinion or endorsement by this laboratory.

For INTERTEK B&C:

COMPLETED BY:	Robert Beatty
TITLE:	Technician – Product Testing
SIGNATURE:	
DATE:	05/04/18

RJB:abo

REVIEWED BY:	Timothy J. McGill
TITLE:	Manager – Product Testing
SIGNATURE:	
DATE:	05/04/18

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SECTION 2

TEST METHOD(S)

The specimen was evaluated in accordance with the following:

ASTM E283-04(2012), *Standard Test Method for Determining Rate of Air Leakage Through Exterior Windows, Curtain Walls, and Doors Under Specified Pressure Differences Across the Specimen*

SECTION 3

MATERIAL SOURCE/INSTALLATION

Test specimen was provided by the client. Representative samples of the test specimen(s) will be retained by Intertek B&C for a minimum of two years from the test completion date.

The specimen was installed into a Spruce-Pine-Fir wood buck. The exterior perimeter of the door was sealed with sealant. Installation of the tested product was performed by the Intertek B&C personnel.

LOCATION	ANCHOR DESCRIPTION	ANCHOR LOCATION
Head and sill	7/32" bolts	One bolt at the midspan of the head and the sill
Jambs of the frame		One bolt 3" from each corner on both jambs.

SECTION 4

LIST OF OFFICIAL OBSERVERS

NAME	COMPANY
Timothy J. McGill	Intertek B&C
Robert J. Beatty	Intertek B&C

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SECTION 5

TEST SPECIMEN DESCRIPTION

Product Type: Access Door

Series/Model: Arcoplast AD-3

Product Size(s):

OVERALL TEST AREA:	WIDTH		HEIGHT	
	millimeters	inches	millimeters	inches
0.04 m ² (0.44 ft ²)				
Overall size	279	11	279	11
Door size	203	8	203	8

OVERALL LINEAR CRACK LENGTH TESTED:	Linear Crack Length meters	Linear Crack Length foot
Handle size	0.20	0.65
Door size	0.77	2.54

Frame Construction:

FRAME MEMBER	MATERIAL	DESCRIPTION
Continuous Head, sill, and jambs with a radius in each corner	Acrylic	Cast

Door Construction:

SLAB	MATERIAL	DESCRIPTION
Solid slab that measures 0.475" thick with radius in each corner	Acrylic	Cast

Weatherstripping:

DESCRIPTION	QUANTITY	LOCATION
Continuous hollow rubber gasket	1	Head, sill, and jambs of the frame

Hardware:

DESCRIPTION	QUANTITY	LOCATION
Handle	1	Located on the door 2-1/2" from the jamb and 4" from the sill
Hinge	1	Located on the hinge jamb of the door and frame

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SECTION 6

TEST RESULTS

The temperature during testing was 16°C (60°F). The results are tabulated as follows:

TITLE OF TEST	RESULTS	NOTE
Air Leakage, Infiltration per ASTM E283 at 75 Pa (4.18 psf)	1.4 L/s/m ² (0.28 cfm/ft ²)	1, 2, 3
Air Leakage, Infiltration per ASTM E283 at 75 Pa (10.44 psf)	3.6 L/s/m ² (0.70 cfm/ft ²)	1, 2, 3

TITLE OF TEST	RESULTS	NOTE
Air Leakage, Infiltration per ASTM E283 at 75 Pa (4.18 psf)	0.06 l/s /per linear m (0.04 cfm/per linear ft)	1, 2, 4
Air Leakage, Infiltration per ASTM E283 at 75 Pa (10.44 psf)	0.14 L/s / per linear m (0.09 cfm/per linear ft)	1, 2, 4

General Note: All testing was performed in accordance with the referenced standard(s).

Note 1: Test Date 04/05/18 / Time: 9:00 AM

Note 2: Pressure was held for 20 minutes before reading was taken.

Note 3: The test results are for the area of the door and does not include the frame.

Note 4: The test results for included is the handle perimeter and door seal.

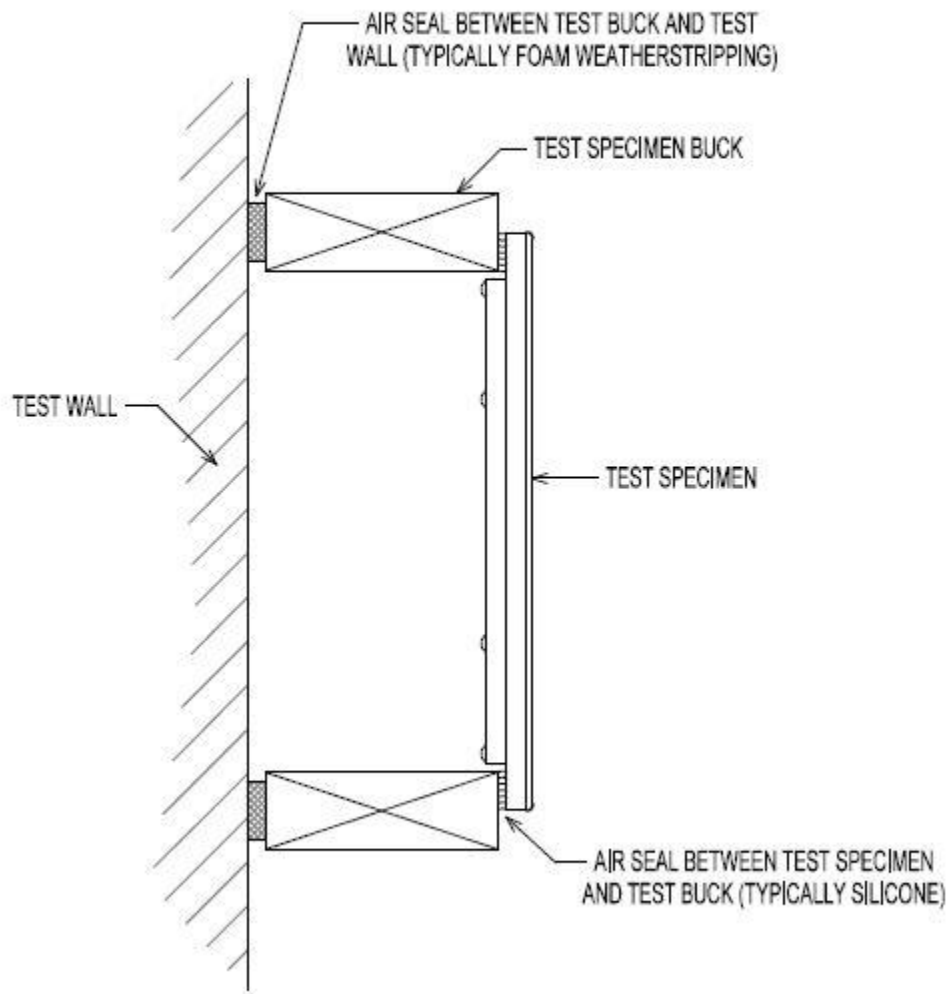
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SECTION 7**LOCATION OF AIR SEAL**

The air seal between the test specimen and the test wall is detailed below. The seal is made of foam weatherstripping and is attached to the edge of the test specimen buck. The test specimen buck is placed against the test wall and clamped in place, compressing the weatherstripping and creating a seal.



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SECTION 8

PHOTOGRAPHS



Photo No. 1
Test Specimen



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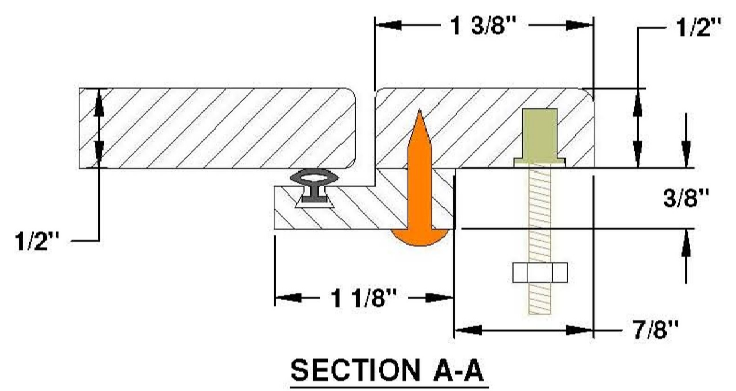
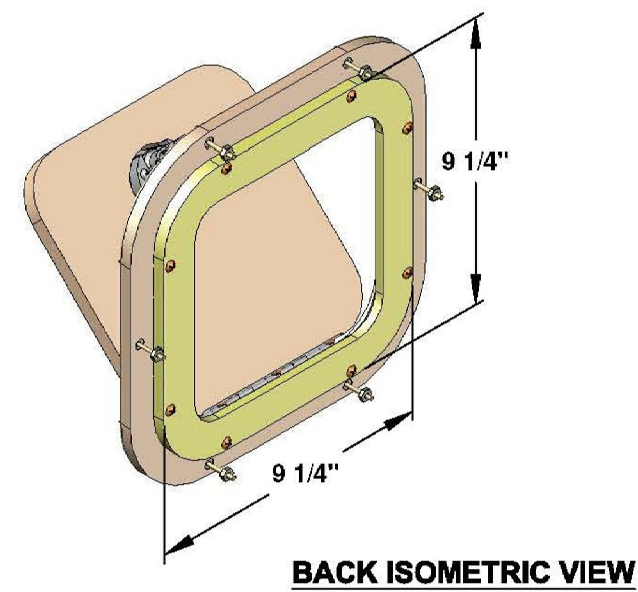
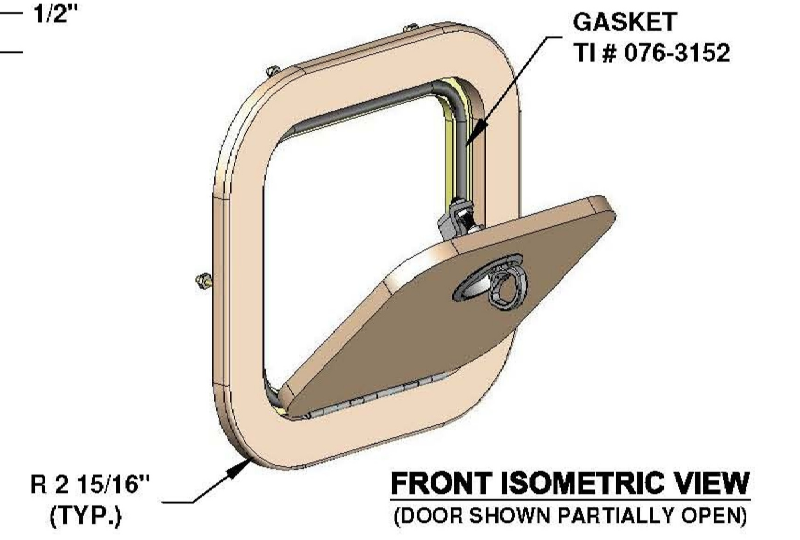
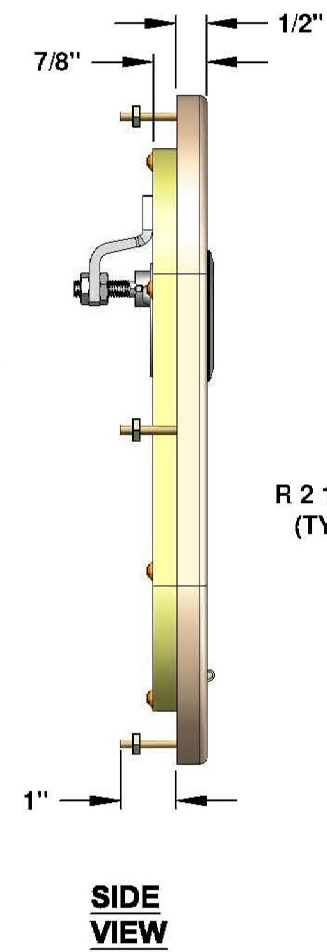
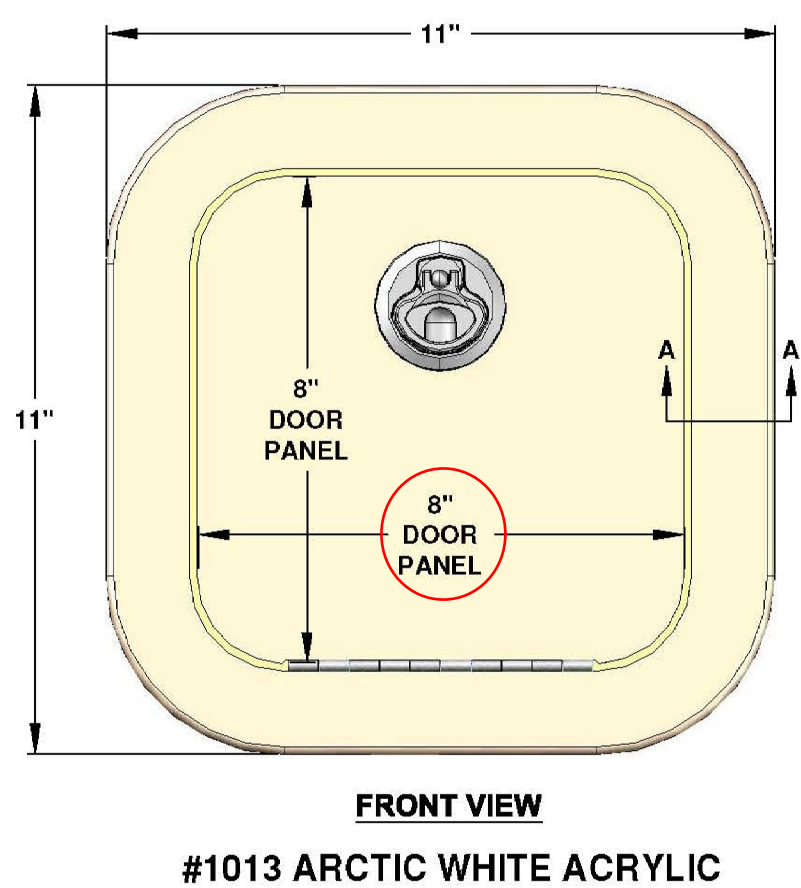
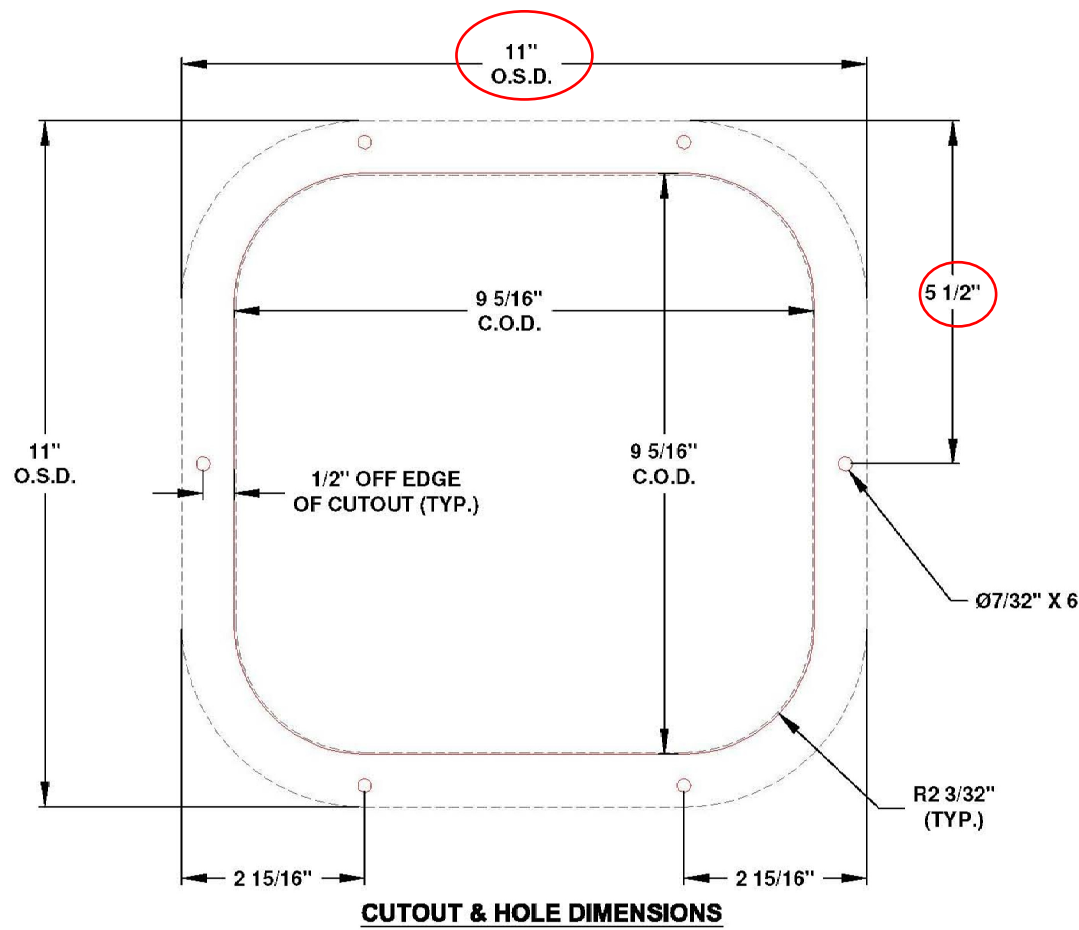
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SECTION 9

DRAWINGS

The test specimen drawings have been reviewed by Intertek B&C and are representative of the test specimen(s) reported herein. Test specimen construction was verified by Intertek B&C per the drawings included in this report. Any deviations are documented herein or on the drawings.



8" X 8" ACCESS DOOR W/ SEAL

DWG # AD-3	SCALE N.T.S.
DATE 3/6/17	CHECKED GB



WALL AND CEILING SYSTEMS

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SECTION 10

REVISION LOG

REVISION #	DATE	PAGES	REVISION
0	05/04/18	N/A	Original Report Issue