

AAMA/WDMA/CSA 101/I.S.2/A440-08 TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 1650 PRODUCT TYPE: PVC Fixed Window (Finless)

Title	Summary of Results
Primary Product Designator	Class I.C-PG50 1829 x 1829 (72 x 72)-FW

Glazing Information

Edge Supports: 4 Sides Glazing Angle: 90° Lite Dimensions:

Width: Height:

67.1 in.

67.1 in.

Project Details

Project Name: Location: Comments:

Glass Construction (Rectangular)

Air Space: 0.5 in.

Outboard Lite

Inboard Lite

Glass Type: Nominal Thickness: Annealed 3/16 in.

Annealed 3/16 in.

Short Load Duration, Resistance, and Deflection Data

Load (~ 3 sec.):

55.1 psf

Load Resistance:

52.3 psf

Approximate center of glass deflection:

0.81 in.

Glazing Information

Edge Supports: 4 Sides Glazing Angle: 90° Lite Dimensions:

> Width: Height:

55.1 in. 55.1 in.

Project Details

Project Name: Location: Comments:

Glass Construction (Rectangular)

Double Glazed Insulating Unit

Air Space: 0.5 in.

Glass Type: Nominal Thickness: Annealed

1/8 in.

Annealed

1/8 in.

Short Load Duration, Resistance, and Deflection Data

Load (~ 3 sec.): Load Resistance: 10.0 psf 39.3 psf

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AAMA/WDMA/CSA 101/I.S.2/A440-08 TEST REPORT

Rendered to:

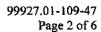
MI WINDOWS AND DOORS, INC. P.O. Box 370 650 West Market Street Gratz, Pennsylvania 17030-0370

> Report No.: 99927.01-109-47 Test Date: 04/12/10

Report Date: 05/04/10

Test Record Retention Date: 04/12/14

Project Summary: Architectural Testing, Inc. was contracted by MI Windows and Doors, Inc.

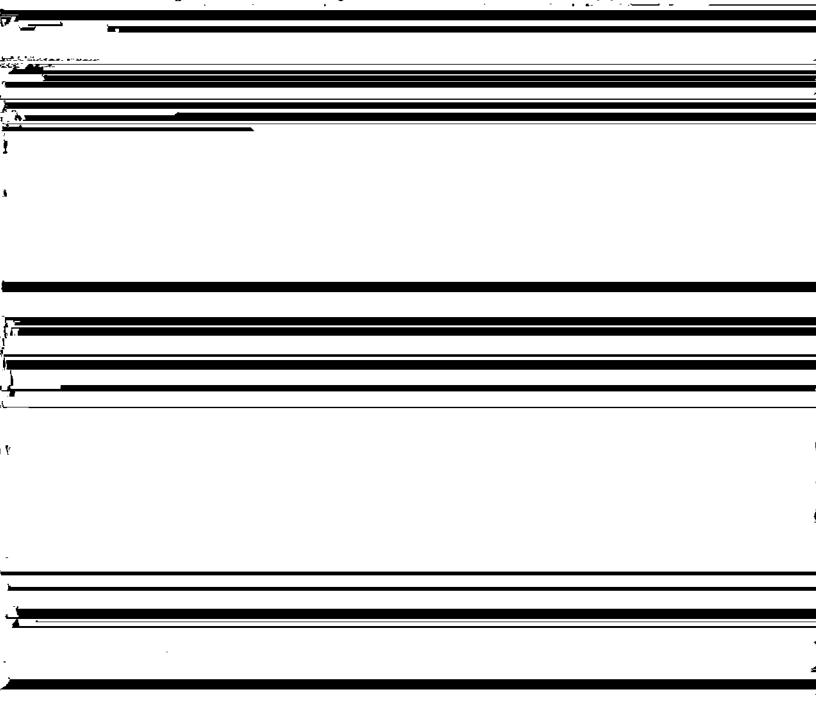




Test Specimen Description: (Continued)

Weatherstripping: No weatherstripping was utilized.

Glazing Details: The unit was glazed with a 7/8" thick sealed insulating glass fabricated



system. The glass was set from the interior onto a bead of silicone and secured with snap-in vinyl glazing beads.

Allowed

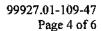


						
5.3.3.2	Water Penetration Resistance per A	ASTM E 547	See Note #2			
5.3.4.2	Uniform Load Deflection per AST	M E 330	See Note #2			
5.3.4.3	Uniform Load Structural per ASTI	M E 330	See Note #2			
Note #2: The client opted to start at a pressure higher than the minimum required. Those results are listed under "Optional Performance".						
5.3.5	Forced Entry Resistance per ASTM F 588					
	Type: D	Grade: 10				
	Disassembly Test	No entry	No entry			
	Sash/Panel Manipulation Test	No entry	No entry			
5.3.6.2	Thermoplastic Corner Weld Test	Meets as stated	Meets as stated			
Optional Performance						
4.3.2.1	3.2.1 Water Penetration Resistance per ASTM E 547 (without insect screen)					
	360 Pa (7 52 nef)	No leakage	No leakane			

Results

Title of Test - Test Method

<u>Paragraph</u>





Test Results: (Continued)

<u>Paragraph</u> <u>Title of Test - Test Method</u> <u>Results</u> <u>Allowed</u>

Ontional Danfarmanas (Cantinual)

4.3.2.1 Uniform Load Structural per ASTM E 330

(Loads were held for 10 seconds)
3960 Pa (82.71 psf) (positive) <0.3 mm (<0.01") 3.3 mm (0.13") max.
3960 Pa (82.71 psf) (negative) <0.3 mm (<0.01") 3.3 mm (0.13") max.

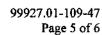
Tape and film were not used to seal against air leakage during structural testing.

Drawing Reference: The test specimen drawings have been reviewed by Architectural Testing and are representative of the test specimen reported herein.

Per the client, this product is also labeled under the following names:

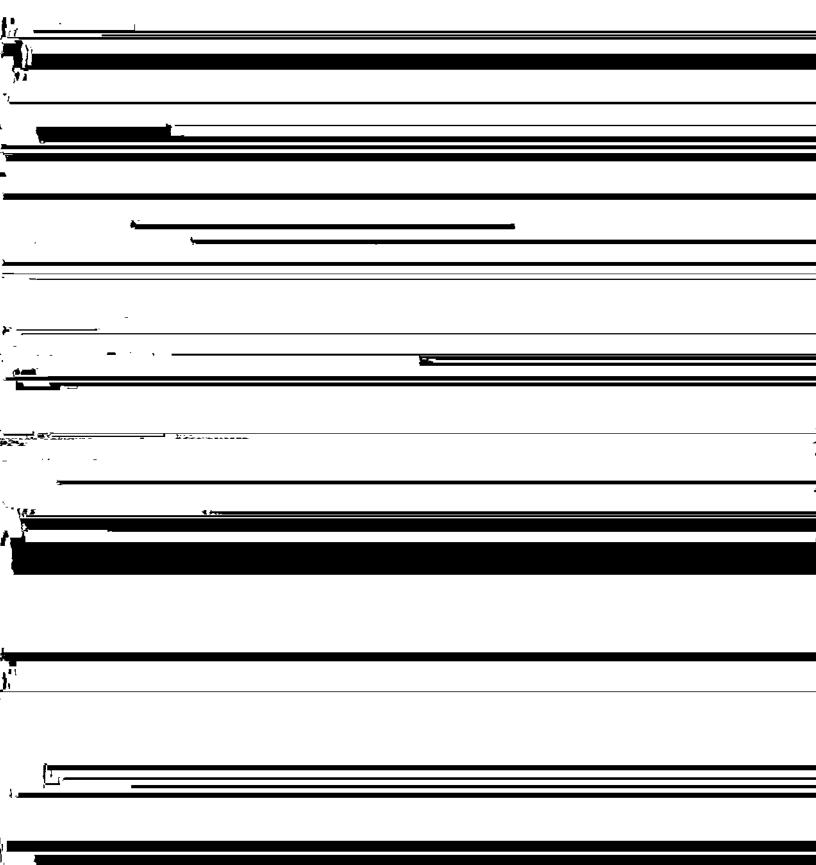
1555 PW 1650 PW

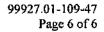






Detailed drawings, data sheets, representative samples of test specimens, a copy of this report, or other pertinent project documentation will be retained by Architectural Testing. Inc. for a period







Revision Log

<u>Rev. #</u>	<u>Date</u>	Page(s)	Revision(s)
0	05/04/10	N/A	Original report issue



Appendix A

Alteration Addendum

Note: No alterations were required.



Test Equipment

Instrument	Manufacturer	Asset #
Control Panel	Architectural Testing, Inc.	MI-1
Transducer	Celesco	E-1603001A
Transducer	Celesco	J-1705016A
Transducer	Celesco	J-1705014A



Appendix C

Drawings

Note: Complete drawings packet on file with Architectural Testing, Inc.