



**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

Glass Load Resistance Report

Glazing Information

Edge Supports: 4 Sides

Glazing Angle: 90°

Lite Dimensions:

Width: 67.1 in.

Height: 67.1 in.

Project Details

Project Name:

Location:

Comments:

Glass Construction (Rectangular)

Blank

Air Space: 0.5 in.

	<u>Outboard Lite</u>	<u>Inboard Lite</u>
Glass Type:	Annealed	Annealed
Nominal Thickness:	3/16 in.	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.

Glass Load Resistance Report --

Tuesday, February 12, 2013

Glazing Information

Edge Supports: 4 Sides
Glazing Angle: 90°
Lite Dimensions:
Width: 55.1 in.
Height: 55.1 in.

Project Details

Project Name:
Location:
Comments:

Glass Construction (Rectangular)

Double Glazed Insulating Unit

Air Space: 0.5 in.

Glass Type:	Annealed	Annealed
Nominal Thickness:	1/8 in.	1/8 in.

Short Load Duration, Resistance, and Deflection Data

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



Architectural Testing

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.

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
5.3.3.2	Water Penetration Resistance per ASTM E 547		See Note #2
5.3.4.2	Uniform Load Deflection per ASTM E 330		See Note #2
5.3.4.3	Uniform Load Structural per ASTM 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	Water Penetration Resistance per ASTM E 547 (without insect screen)		
	360 Pa (7.52 psf)	No leakage	No leakage

Test Results: (Continued)

<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
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Optional Performance (Continued)

4.3.2.1	Uniform Load Structural per ASTM E 330		
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(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.

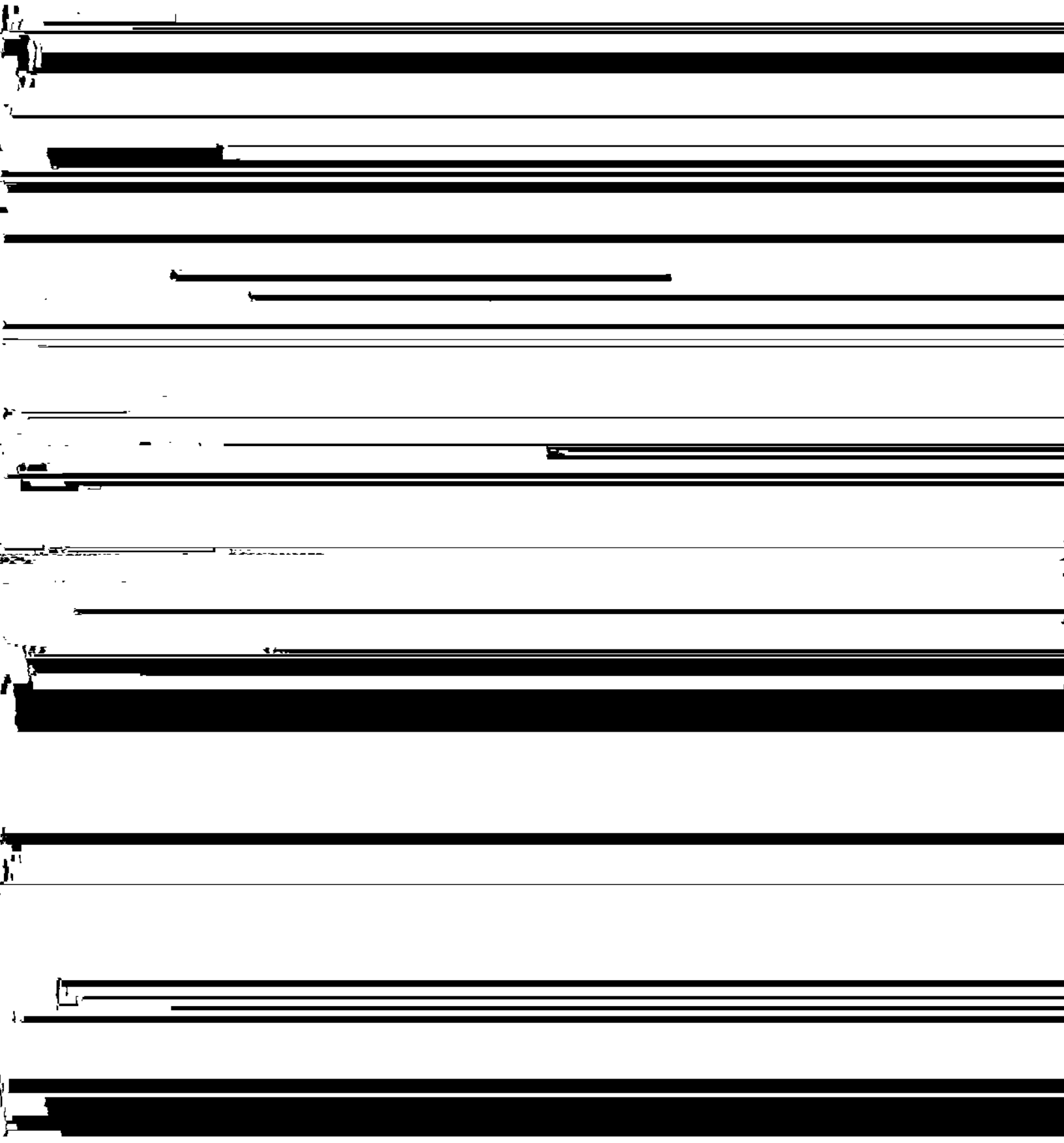
Tape and film were not used to seal against air leakage during structural testing.

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>	<u>Page(s)</u>	<u>Revision(s)</u>
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.