

### TEST REPORT

Rendered to:

MI WINDOWS AND DOORS, INC.

SERIES/MODEL: 4300

High the state of the state of



(Validator / Operations Administrator)

# AAMA CERTIFICATION PROGRAM



### **AUTHORIZATION FOR PRODUCT CERTIFICATION**

MI Windows & Doors, LLC P.O. Box 370 Gratz, PA 17030-0370

|   | Atto: Pirk Sowing.   |
|---|--|
|   | The product described below is beach.  |
|   | The product described below is hereby approved for listing in the next issue of the AAMA Certified Products Directory. The approval is based on successful completion of tests, and the reporting to the Administrator of the results of tests, accompanied by related describes.  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
| - |  |
|   | •  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   |  |
|   | <del></del>  |
| ı |  |
|   |  |
|   |  |
|   | _  |
|   |  |
| • | Minute to the state of the stat |
|   |  |
|   |  |
|   |  |
|   | ł  |
| ł |  |
| _ |  |
|   |  |



#### 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.: 98665.01-109-47
Test Dates: 02/23/10
Through: 02/25/10

Report Date: 03/30/10

Test Record Retention Date: 02/25/14

Project Summary: Architectural Testing, Inc. was contracted by MI Windows and Doors, Inc. to witness and validate testing on a Series/Model 4300, single hung window (finless) at the MI Windows and Doors. Inc. test facility in Gratz. Pennsylvania. The sample tested-execusively.

met the performance requirements for a Class R-PG30 1016 x 1981 (40 x 78)-H rating. Test specimen description and results are reported berein. The sample was provided by the client



Test Specimen Description: (Continued)

Finish: All vinyl was white.

Frame Construction: The frame was constructed of extruded vinyl. The corners were mitered and welded. The fixed meeting rail was coped at each end and secured to the frame jambs using a custom shaped extruded vinyl clip. Each clip was secured to the fixed meeting rail with three #6 x 1-1/4" long flat head screws and accurate to the investigation.

Drainage: A sloped sill was utilized.

| <u>Description</u>              | Quantity  | Location   |
|---------------------------------|-----------|--|
| 1/4" long by 1/2" wide weepslot | 2         | Glazing pocket, 1-1/4" from each end draining the glazing pocket to the hollow below |
| 3/32" long by 1/2" wide         | 2 per end | Bottom rail, 2-5/8" from each end  |

| 1-5/8" wide by 1/8" tall weep notch | 2 | Sill, each end draining the interior sill track to the screen track |
|-------------------------------------|---|---|
| 1" wide by 1/4" tall weep notch     | 2 | Sill, each end draining the screen track                            |

## Hardware:

Description Ouantity Location



Test Results: The temperature during tecting was 2000 (710E). The results are tabulated a follows: Paragraph <u>Title of Test - Test Method</u> Results **Allowed** 5.3.1 Operating Force per ASTM E 2068 Initiate motion 76 N (17 lbf) Report Only Maintain motion 89 N (20 lbf) 135 N (35 lbf) Latches 9 N (2 lbf) 100 NL/25 ILA Locks 53 N (12 lbf) 100 N (25 lbf)

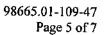
Note #1: The tested specimen meets (or exceeds) the performance levels specified in

Air Leakage Resistance per ASTM E 283

5.3.2.1

Note #1: The tested specimen meets (or exceeds) the performance levels specified in AAMA/WDMA/CSA 101/I.S.2/A440 for air leakage resistance.

5.33 7 Water Denetration Designation on ACTM D 547 C- NI-L- HO





Test Results: (Continued)

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

5.3.6.3 Deglazing Test.

Top rail Bottom rail

2.5 mm (0.10")

2.8 mm (0.11")

11.4 mm (0.45") 11.4 mm (0.45")



#### **List of Official Observers:**

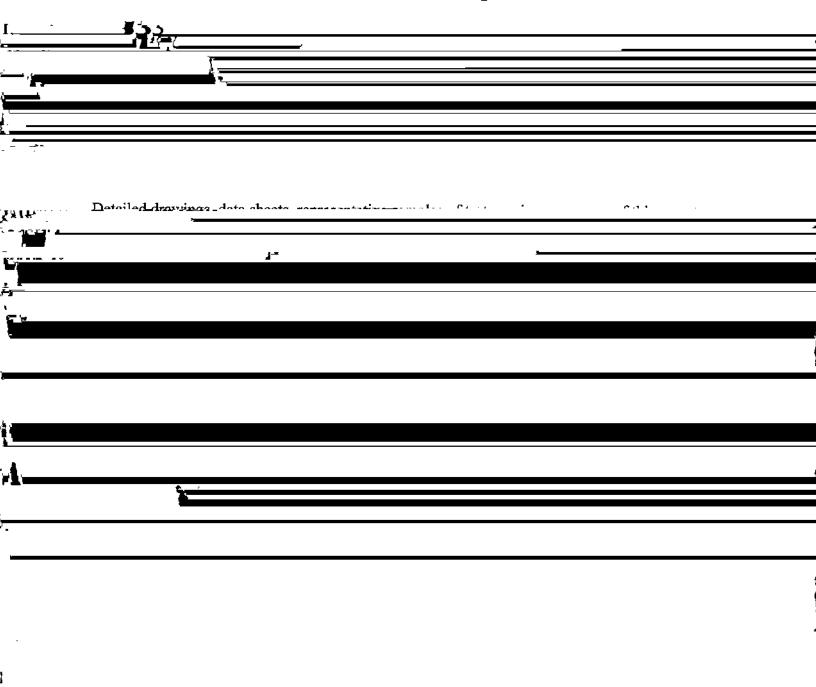
Name

Company

Rick Sawdey Russell W. Clark

MI Windows and Doors, Inc. Architectural Testing, Inc.

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





## **Revision Log**

| <u>Rev. #</u> | <u>Date</u> | Page(s) | Revision(s)           |
|---------------|-------------|---------|-----------------------|
| 0             | 03/30/10    | N/A     | Original report issue |



# Appendix A

## **Alteration Addendum**

Note: No alterations were required.



# Appendix B

# Test Equipment

| Instrument        | Manufacturer                | Asset #    |
|-------------------|-----------------------------|------------|
| Control Panel     | Architectural Testing, Inc. | MI-1       |
| Linear Transducer | Celesco                     | E1602001 A |



Appendix C

**Drawings**