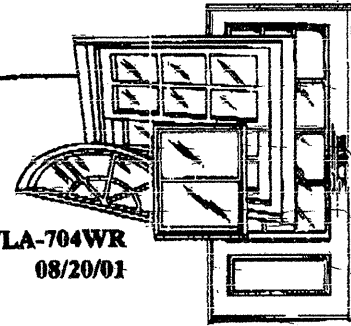


CERTIFIED TESTING LABORATORIES

Architectural Division • 7252 Narcoossee Rd. • Orlando, FL 32822
 (407) 384-7744 • Fax (407) 384-7751
 Web Site: www.ctlarch.com
 E-mail: ctlarch.com



Report Number: CTLA-704WR
 Report Date: 08/20/01

STRUCTURAL PERFORMANCE TEST REPORT

Client: MAYFAIR WINDOW & DOOR
 4100 CAMERON STREET
 LAFAYETTE, LOUISIANA 70506

Product Type and Series: SERIES 510/550 ALUMINUM SINGLE HUNG H-R 30 44" x 72"

Test Specification: ANSI/AAMA/NWWD 101/I.S.2-97 "Voluntary Specification for Aluminum, Vinyl (PVC) and Wood Windows Glass Doors"

Test Specimen

Frame: The main frame measured 46" x 74" high overall, fin frame. Coped corner construction, with two (2) #8 x .750" Phillips head, P.H., S.M.S. at each frame head and sill corner. One (1) #8 x 1" hex head S.M.S. secured the fixed meeting rail to the frame jambs.

Ventilator: One (1) active sash measuring 43" x 36.75" high. Each vent corner was secured with one (1) #8 x .750" Phillips O.H., S.M.S. One (1) fixed light at top clear lite opening 41.5" x 33.625".

Weatherstripping: Bulb vinyl .350" high was employed at the sash bottom rail. Double pile with integral plastic fins .200" high was located on the active sash stiles exterior, and sash top rail. High sill 1.791" utilized (1) strip of wool pile .400" running the length of the sill water dam leg interior

Hardware & Location: Spiral balance system, fixed to the frame jambs with two (2) #8 x 3/4" Phillips head O.H., S.M.S. through two (2) ridged P.V.C. balance guides. Two (2) metallic balance clips secured to active sash stiles secured with sash bottom rail assembly fastener. Two (2) ridged P.V.C. sash guides located on each active sash stile interior leg. Two (2) extruded aluminum sill locks located 4" from each active sash bottom rail corner.

Glazing: 1/8" Annealed glass, exterior glazed with adhesive backbedding compound and vinyl snap in glazing bead.

Sealant: A narrow joint sealant was used on all frame and sash corners.

Weep System: Two (2) weep notches .250" x 1g. ht. located at each end of sill screen retainer leg.

Muntins: None

Reinforcement: None

Additional Description: Unit tested with 1.437" overall sill water dam leg for WTP of 4.5, for WTP of 6.75 unit tested with 1.791" high overall sill water dam leg.

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 CTLA-704 W

Screen: The aluminum screen measured 42.5" x 30.375" high. Fiberglass mesh, vinyl spline, plastic corner keys. Two (2) retainer springs, two (2) plastic pull tabs.

Installation: The specimen tested was secured to the wooden southern yellow pine test buck with twenty (20) #10 x 1-1/2" phillips countersunk .353 diameter head, S.M.S. fasteners. Four (4) in the head and sill 4" from each corner nominally 12" o.c. Six (6) in each jamb 4" from each corner, nominally 12" o.c.

Surface Finish: White

Comments: N/A

Performance Test Results

<u>Paragraph No.</u>	<u>Title of Test</u>	<u>Test Method</u>	<u>Measured</u>	<u>Allowed</u>
2.1.2	Air Infiltration @1.57 psf The tested specimen exceeds the performance levels specified in AAMA/NWDA 101/I.S. 2-97. Results recorded in two decimals at the clients request.	ASTM E283-91	.12 cfm/ft	.3 cfm/ft
2.1.3	Water Resistance @ 5.0 GPH/ft ² WTP= 4.5 psf	ASTM E547-96 Four five minute cycles Tested with and without insect screen	No Entry	No Entry
2.1.4.2	Uniform Load Structural Permanent Deformation @ 45 psf Positive Negative	ASTM E330-96	.138" .021"	.148" .148"
2.2.1.6.1	Operating Force	AAMA 101 LS. 2-97	17 lbs.	30 lbs.
2.2.1.6.2	Deglazing Meeting Rail 70 lbs. Bottom Rail 70 lbs. Left Stile 50 lbs. Right Stile 50 lbs.	ASTM E987-88	.033" .029" .019" .016	6.6%<100% 5.8%<100% 3.3%<100% 3.2%<100%

Optional Performance Results

<u>Paragraph No.</u>	<u>Title of Test</u>	<u>Test Method</u>	<u>Measured</u>	<u>Allowed</u>
2.1.3/4.3	Water Resistance 5.0 gph/ft ² WTP 6.75 psf Specimen tested with 1.791" high overall sill water dam leg	ASTM E547-93/ ASTM E331-93 Four-five minute cycles/fifteen minute duration Tested with and without insect screen	No Entry	No Entry

Forced Entry Resistance Results

Test Specimen: AAMA 1302.5-76, "Voluntary Specifications for Forced Entry Resistant Aluminum Prime Window"

<u>Paragraph No.</u>	<u>Title of Test</u>	<u>Measured</u>	<u>Allowed</u>
3.1.1	Test A	0"	1/2"
3.1.2	Test B	0"	1/2"
3.1.3	Test C	0"	1/2"
3.1.4	Test D, E, F	0"	1/2"
3.1.5	Test G	0"	1/2"

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Report Number:

Mayfair Window and Door
CTLA-704 W

Test Date: May 5, 2000

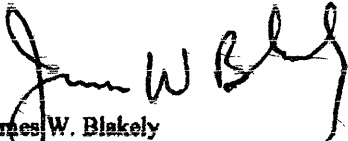
Test Completion Date: May 5, 2000

Remarks: Detail drawings were available for laboratory records and comparison to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by CTL for a period of four (4) years. The results obtained apply only to the specimen tested.

This test report does not constitute certification of this product, but only that the above test results were obtained using the designated test methods and they indicate compliance with the performance requirements (paragraphs as listed) of the above referenced specifications.

Certified Testing Laboratories assumes that all information provided by the client is accurate and that the physical and chemical properties of the components are as stated by the manufacturer.

Certified Testing Laboratories, Inc.



James W. Blakely
Vice President

cc: MAYFAIR (2)
File

A-L-I

(Validator / Operations Administrator)



AAMA CERTIFICATION PROGRAM

NOTICE OF PRODUCT CERTIFICATION

Mayfair Window & Door Company L.P.
4100 Cameron St.
Lafayette, LA 70508

Attn: Al Thibodeaux

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 drawings, by an AAMA Accredited Laboratory.

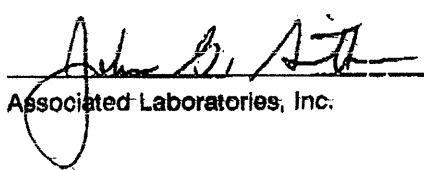
1. The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED				LABEL ORDER NO.
AAMA/NWDA 101/A.S. 2-97 H-R30-44x72	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		
COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		By Request
Mayfair Window & Door Co. L.P. 4100 Cameron St. Lafayette, LA 70508	CMF-1	510/550 (AL)(O/X)(OG) (AAMA)	FRAME 3'8" x 6'0"	GLASS 3'11" x 3'1"	

2. This Certification will expire May 5, 2005 and requires validation until then by continued listing in the current issue of the AAMA Certification Program Directory.
3. Product Tested and Report by: Certified Testing Laboratories
- (A) Report No.: CTLA-704W
- (B) Date of Report: August 20, 2001
- (C) Date of Receipt of Report by Administrator: September 7, 2001

**NOTE: PLEASE REVIEW,
AND ADVISE ALI IMMEDIATELY
IF DATA, AS SHOWN, NEEDS
CORRECTION.**

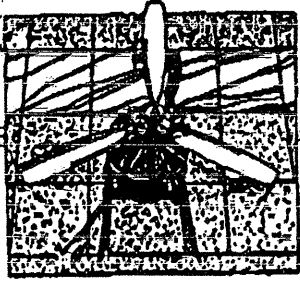
Approved for Certification:


 Associated Laboratories, Inc.

Date: February 7, 2002

cc: AAMA
JGS:df

MAT #01085W-A



RECEIVED

JAN 28 2002

MAYFAIR
LAFAYETTE, LA.

MID AMERICA TESTING LABORATORY, INC.

10525 SIGNAL HILL DRIVE • CATAWISSA, MISSOURI 63015
(636) 257-4722 • FAX (636) 257-6425**WINDOW MANUFACTURER:**Mayfair Windows and Doors
4100 Cameron Street
Lafayette, LA 70506**MODEL NUMBER:**

Series 510/550 Single-Hung

PERFORMANCE CLASS:

H-R35 44" X 72"

JOB NUMBER:

Q1085W-A

DATE OF REPORT:

December 6, 2001

LOCATION OF TESTING:

Mid America Testing Laboratory

DATES OF TESTING:

October 15 and 16, 2001

EXPERATION DATE:

October 15, 2005

All tests were conducted in accordance with procedures outlined in AAMA/NWWDA 101/L.S.2-97 and applicable ASTM standards.

The following were present for all or portions of the laboratory testing.

Mr. Al Thibodeaux
Mr. Gene Keeton
Mr. Travis Swisshelm
Mr. Rick Heitmann

Mayfair Windows and Doors
Mid America Testing Laboratory
Mid America Testing Laboratory
Mid America Testing Laboratory

UNIT DESCRIPTION

The Series 510/550 single hung window unit, manufactured by Mayfair and identified by Mayfair as Unit #1, was installed onto a test wall by laboratory personnel for purposes structural testing. The specimen tested was secured to a southern yellow pine wood buck with twenty (20) #8 X 1 1/2" HWH-SMS fasteners. Four (4) were in the head and sill 4" from each corner, nominally 12" O.C. and six (6) in each jamb 4" from each corner, nominally 12" O.C. The overall frame had a dimension of 44" wide X 72" tall. The operable sash had a dimension of 43" wide X 36 1/2" tall.

