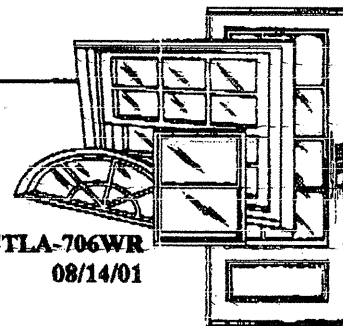


CERTIFIED TESTING LABORATORIES

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Report Number: CTLA-706WR
 Report Date: 08/14/01

STRUCTURAL PERFORMANCE TEST REPORT

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

Product Type and Series: SERIES 530/570 ALUMINUM FIN FRAME SINGLE HUNG WITH TILT SASH H-R30 44" x 72"

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

Test Specimen

Frame: The main frame measured 46" x 74" high overall, fin frame. Coped corner construction, with two (2) #8 x .875" hex head 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 42.250" x 31" high. Each vent corner was secured with one (1) #8 x 3/4" Phillips O.H., S.M.S. One (1) fixed light at top with a clear light opening, measuring 41.50" x 39.625" high.

Weatherstripping: Single bulb vinyl was employed on the active sash bottom rail. Double pile with integral plastic fin .270" high was employed on the active sash meeting rail. Double pile with integral plastic fin .190" high was employed on the active sash stiles exterior. Double pile with integral plastic fin .170" high was employed on the active sash stiles interior. High sill 1.791" utilized (1) strip of wool pile .400" running the length of the sill water dam leg interior.

Hardware & Location: Two (2) spiral balances secured to the main frame jambs with one (1) #8 x 3/4" Phillips head O.H., S.M.S. Two (2) nylon spiral sash balance shoes, two (2) tilt latch housings, two (2) metallic pivot bars secured to active sash bottom rail with one (1) #6 x 3/8" Phillips head P.H., S.M.S. Two (2) metallic cam locks located 6" from each end of the active sash meeting rail, locking into a channel in the fixed meeting rail.

Glazing: .125" annealed glass. Exterior glazed with adhesive backbedding compound. A rigid P.V.C. snap in glazing bead.

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

Weep System: Two (2) weep notches .750" x lg. ht. at each end of sill screen retainer leg.

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Muntins: None

Reinforcement: None

Additional Description: Unit tested with 1.437" overall sill water dam leg for WTP of 5.25, for WTP of 6.75 unit tested with 1.791" high overall sill water dam leg.

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: Nominal 2 mil polyethylene film was used to seal against air leakage during structural loads. The film was used in a manner that did not influence the test results.

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/NWWDA 101/I.S. 2-97. Results recorded in two decimals at the clients request.	ASTM E283-91	.25 cfm/ft	.3cfm/ft
2.1.3	Water Resistance @ 5.0 GFH/ft ² WTP= 5.25 psf	ASTM E547-93 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 E330-90	.016" .021"	.168" .168"
2.2.1.6.1	Operating Force	AAMA 101-93	10.5 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	.029 .021 .014 .015	7.7%<100% 5.6%<100% 3.7%<100% 4.0%<100%

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Mayfair Window and Door
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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	ASTM E547-93/ ASTM E331-93 Four-five minute cycles/fifteen minute duration Specimen tested with 1.791" high overall sill water dam leg 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"

Test Date: May 5, 2001

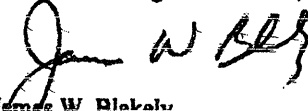
Test Completion Date: May 5, 2001

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



(Validator / Operations Administrator)



AAMA CERTIFICATION PROGRAM

NOTICE OF PRODUCT CERTIFICATION

Mayfair Window & Door Company L.P.
4100 Cameron St.
Lafayette, LA 70506

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.

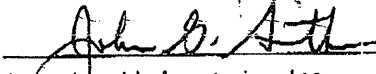
- The listing below will be added to the next published AAMA Certified Products Directory.

SPECIFICATION	RECORD OF PRODUCT TESTED				LABEL ORDER NO.
	COMPANY AND PLANT LOCATION	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED	
AAMA/NWWDA 101/I.S. 2-97 H-R30-44x72					
Mayfair Window & Door Co. L.P. 4100 Cameron St. Lafayette, LA 70506	CMF-1	590/535 (A)(O)(X)(OG) (TILT)(AAMA)	FRAME 3'8" x 6'0"	SASH 3'6" x 2'7"	By Request

- 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.
- Product Tested and Report by: Certified Testing Laboratories
 - Report No.: CTLA-706W
 - Date of Report: August 14, 2001
 - 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



(Validator / Operations Administrator)



AAMA CERTIFICATION PROGRAM

NOTICE OF PRODUCT CERTIFICATION

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4100 Cameron St.
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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/I.S. 2-87 H-R90-44x72	CODE NO.	SERIES MODEL & PRODUCT DESCRIPTION	MAXIMUM SIZE TESTED		
COMPANY AND PLANT LOCATION	CMF-1	570/575 (A)(OX)(OG) (INS GL)(TILT)(AAMA)	<u>FRAME</u> 3'8" x 6'0"	<u>SASH</u> 3'6" x 2'7"	By Request
Mayfair Window & Door Co. L.P. 4100 Cameron St. Lafayette, LA 70506					

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.: Waiver, ref. CTLA-706W
- (B) Date of Report: August 14, 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

LABEL
3-17-2002