



Architectural Testing

STRUCTURAL TEST REPORT

Rendered to:

Croft Metals, Inc.

PROJECT: 70/90 Aluminum Fixed Window

Report No: 08-30077.01
Test Date: 1/25/03
Report Date: 1/28/03
Expiration Date: 1/25/07

2865 Market Loop, Suite B
Southlake, TX 76092
phone: 817.410.7202
fax: 817.424.8463
www.archtest.com



TEST REPORT

Rendered to:

**Croft Metals, Inc.
P.O. Box 826
McComb, MS 39649**

Report No: 08-30077.01

Test Date: 1/25/03

Report Date: 1/28/03

Expiration Date: 1/25/07

Project Summary: Architectural Testing, Inc. (ATI) was contracted by Croft Metals, Inc to perform tests on a Series/Model 70/90, aluminum fixed window. The sample tested successfully met the performance requirements for an F-R15 83 x 83 rating.

Test Specification: The test specimen was evaluated in accordance with the following:

AAMA/NWWDA 101/I.S.2-97, Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors.

Test Specimen Description:

Series/Model: 70/90

Type: Aluminum fixed

Overall Size: 83 1/4" wide by 83 1/4" high

Glass Size: 82 3/16" wide by 82 3/16" high

Glazing Type: One piece 3/16" annealed glass

Finish: White paint

Glazing Details: Interior glazed in bedding compound with aluminum glazing bead and vinyl gasket at the interior. Glazing bead secured with #6 x 3/4" self tapping screws located 4" from corners and on 12" centers thereafter.

Weatherstripping: None



Frame Construction: Corners secured using two #8 x 1 1/2" screws.

Sealant: All frame corners and corner screws sealed using small joint sealant.

Hardware: None

Drainage: None

Installation: The unit was secured into a 2x4 pine test buck through the nailing fin using #8 x 1" screws 2" from each corner and on 12" centers thereafter. The nailing fin was sealed to the buck with silicone.

Test Results:

The results are tabulated as follows:

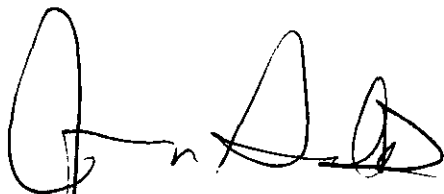
<u>Paragraph</u>	<u>Title of Test - Test Method</u>	<u>Results</u>	<u>Allowed</u>
2.1.2	Air Infiltration (ASTM E 283-91) @ 1.57 psf (25 mph)	<0.01 cfm/ft ²	0.30 cfm/ft ² max.
<i>Note #1: The tested specimen meets the performance levels specified in AAMA/NWWDA 101/I.S. 2-97 for air infiltration.</i>			
2.1.3	Water Resistance (ASTM E 547) (without screen) WTP = 2.86 psf	No leakage	No leakage
2.1.4.2	Uniform Load Structural (ASTM E 330-97) (Measurements reported were taken on the left jamb) (Loads were held for 10 seconds) @ 22.5 psf (positive) @ 22.5 psf (negative)	>0.01 >0.01	0.33" max. 0.33" max.
2.1.8	Forced Entry Resistance (ASTM F 588-97) Type: D Grade: 10 Hand and Tool Manipulation Test	No entry	No entry

Optional Performance


4.3	Water Resistance (ASTM E 547) (without screen) WTP = 6.0 psf	No leakage	No leakage
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Detailed drawings, representative samples of the test specimen, and a copy of this report will be retained by ATI for a period of four years. The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specification. This report does not constitute certification of this product, which may only be granted by the certification program administrator. This report may not be reproduced except in full without the approval of Architectural Testing.

For ARCHITECTURAL TESTING, INC:



Jason T. Seals
Technician



Andy B. Cost
Laboratory Manager

JTS: jts
08-30077.01