

**F**ENESTRATION  
**T**ESTING  
**L**ABORATORY

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**TESTED FOR**

**Fleetwood Aluminum Products, Inc.**  
2485 Railroad Street  
Corona, CA 91720

Report No. : A97F-148-A  
Date : October 16, 1997  
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**1.0 PURPOSE**

The purpose of this report is to present the testing methods employed and the test results obtained during the performance testing of one (1) **Thermally Broken Aluminum Fixed Window** described in paragraph 4.0 of this report.

**2.0 TEST REFERENCES**

- 2.1 Voluntary Specifications for Aluminum, Vinyl (PVC) and Wood Windows and Glass Doors  
AAMA/NWDA 101/I.S.2 - 97: **F - HC 40** 73 x 73
- 2.2 CAWM 301-90 Forced Entry Resistance Tests for Windows

**3.0 SUMMARY**

The test results in paragraphs 5.0 and 6.0 indicate that the test sample described in paragraph 4.0 of this report complied with the performance requirements of the above referenced specifications.

**4.0 SAMPLE SUBMITTED**

**SERIES:** YUKON 5000T Fixed Window

**CONFIGURATION:** One fixed lite

**FRAME SIZE:** 72.50" x 72.50"

**GLASS:** 1/4" clear **annealed.**

**GLAZING:** The glass was glazed to the frame from the interior with double sided adhesive glazing tape. Snap-in extruded glazing beads were applied over the inside perimeter of the glass.

**WEEPAGE:** Sill contained a 1" x 1/4" weep slot at each end.  
Each weep contained a nylon hood cover.

**WEATHERSTRIP:** Glazing stop contained a bulb vinyl.

**HARDWARE:** None.

**CONSTRUCTION:** All of the frame corners were keyed and welded.  
Glazing stops fastened to frame with snap-in connection.  
Sill contained a rubber setting block 8" in from each end.  
The frame was sealed and anchored to the 2 x 6" wooden buck with screws 12" on center.

**CAULKING:** All frame corners full profile.  
Cavity between edge of glass and frame filled with silicone full perimeter.  
The frame to buck full perimeter on the inside and outside.  
The sill glazing stop to sill full length along stop leg closest to the glass.

**5.0 TEST PROCEDURES AND RESULTS**

5.1 All testing procedures were performed in accordance with the performance requirements of the test specifications referenced in paragraph 2.0 of this report.

**5.2 TEST RESULTS**

<u>PARAGRAPH</u>	<u>TEST DESCRIPTION</u>	<u>MEASURED</u>	<u>ALLOWED</u>
2.1.2	Air Infiltration (ASTM E 283) 6.24 PSF The tested specimen exceeds the performance levels specified in AAMA/NWDA 101/I.S.2 - 97 for Air Infiltration.	0.1 CFM/Ft <sup>2</sup>	0.3 CFM/Ft <sup>2</sup>
2.1.3	Water Penetration (ASTM E 547 & ASTM E 331) 6.0 PSF	No Leakage	No Leakage
2.1.4	Uniform Load Structural (ASTM E 330) 60.0 PSF POS 60.0 PSF NEG	No Damage No Damage	No Damage No Damage

6.0 2.1.8 **Forced Entry Resistance Test Results For Windows** -- CAWM 301-90  
2.4.5 Type "V" Window

<u>TEST RESULTS</u>			
5.4.1	A	Passed	Disassembly
5.4.2	B	Passed	Hand and Tool Manipulation

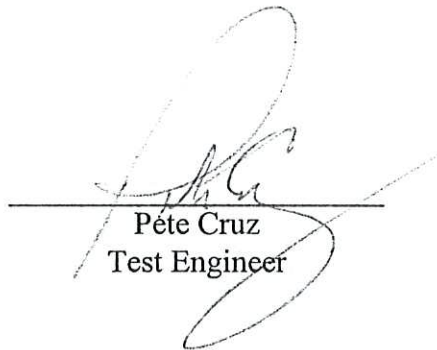
For a complete description of the tested sample refer to the attached cross section drawings.

Assembly and die drawings of frame members are on file and have been compared to the sample submitted. Test sample sections, drawings and a copy of this report will be retained at the test laboratory for four years.

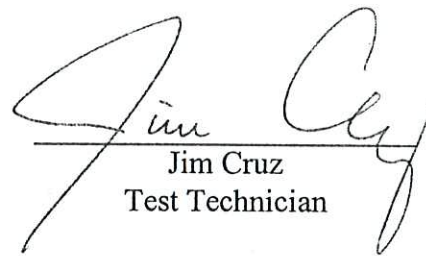
The preceding test results were obtained by using the applicable ASTM and CAWM Test Methods. This report does not constitute Certification of this product. Certification can only be granted by an approved Administrator/Validator.

Testing Completed: October 16, 1997

Report Completed: October 16, 1997



Pete Cruz  
Test Engineer



Jim Cruz  
Test Technician