

FENESTRATION TESTING LABORATORY

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TESTED FOR

Fleetwood Aluminum
2485 Railroad Street
Corona, CA 91720

Report No. : A98F-016
Date : March 02, 1998
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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 with 1/4" Annealed Glass
 F - HC 80 73 x 73 with 1/4" Tempered Glass
- 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 5000-T OG Fixed Window**

CONFIGURATION: **O**

FRAME SIZE: 72.50" x 72.50"

FIXED SIZE: 68.64" x 68.64" Daylight Opening

GLASS: Single glazed with 1/4" annealed glass (for HC 40 rating).
Single glazed with 1/4" tempered glass (for HC 80 rating).

GLAZING: Exterior glazed with bulb vinyl on the frame and a setting block at each end of the sill. Aluminum snap-in glazing stop was applied full perimeter on the exterior and contained a strip of bulb vinyl.

WEEPAGE: The sill contained a 1" slot at each end that had a PVC awning weep cover snapped into it.

WEATHERING: Bulb vinyl was used full perimeter on the frame and on the glazing stops.

HARDWARE: None.

CONSTRUCTION: The frame corners were keyed and welded.

CAULKING: The frame corners were sealed and the glass was caulked with silicone to the frame 2" from each end at all corners.

ANCHORING: The frame was fastened to a 2" x 6" wooden buck with #10 x 1½" screws every 16" at head, sill and jambs and sealed full perimeter to the buck on the exterior and interior.

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>
With 3/16" Annealed			
2.1.2	Air Infiltration (ASTM E 283) 6.24 PSF	0.01 CFM/Ft ²	0.3 CFM/Ft ²
The tested specimen meets/exceeds the performance requirements specified in AAMA/NWDA 101/I.S.2 - 97 for Air Infiltration.			
2.1.3	Water Penetration (ASTM E 547 & ASTM E 331) 6.00 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

5.3 OPTIONAL PERFORMANCE GRADES

With 1/4" Tempered.

4.3	Water Penetration (ASTM E 547 & ASTM E 331) 15.0 PSF	No Leakage	No Leakage
4.4.2	Uniform Load Structural (ASTM E 330) 120.0 PSF POS 120.0 PSF NEG	No Damage No Damage	No Damage No Damage

6.0 2.1.8 CAWM 301 - 90 FORCED ENTRY TEST RESULTS
2.4.5 Type "V" Window

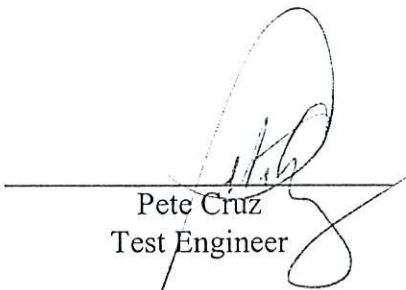
	<u>TEST RESULTS</u>	<u>DESCRIPTION</u>
5.4.1	A Passed	Disassembly Test
5.4.2	B Passed	Hand and Tool Manipulation.

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

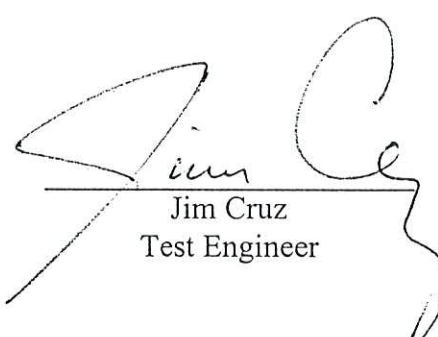
Assembly and die drawings of frame members are on file and have been compared to the sample submitted. Test sample sections, drawings, and a copy of this report will be retained at the test laboratory for four years.

The above 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: February 24, 1998
Report Completed: March 2, 1998



Pete Cruz
Test Engineer



Jim Cruz
Test Engineer