

FENESTRACIÓN
TESTING
LABORATORY

780 E. Francis St., Unit "T", Ontario, CA 91761 • Ph. (909) 923-6260 • Fax (909) 923-6262

TRANSMITTAL

| | | | |
|--------------|---------------------------------|----------------------|------------------------|
| TO: | Mr. J.C. Weiss | MANUFACTURER: | Hy-Lite Windows |
| FROM: | Mayra E. Aguirre/Office Manager | DATE: | March 20, 2001 |
| RE: | Test report | | |

Dear Mr. Weiss:

Enclosed is the following test report for **HY-LITE WINDOWS**:

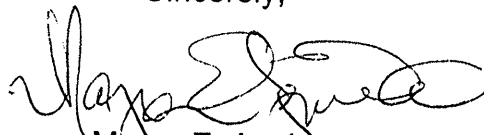
| <u>Report Number</u> | <u>Series</u> | <u>Rating</u> |
|----------------------|-----------------------|---------------|
| A01F-043 | 800 T.B. Fixed Window | F - HC 40 |

Please review this report. If it is for certification, call me and give me your verbal OK to submit to Associated Laboratories, Inc.

Please let me know if you have any questions regarding this transmittal.

Thank you for your time and have a wonderful week.

Sincerely,



Mayra E. Aguirre
Office Manager

c:\2001\Transmittals\01-043

FENESTRATION TESTING LABORATORY

780 E. Francis St., Unit "T", Ontario, CA 91761 • Ph. (909) 923-6260 • Fax (909) 923-6262

TESTED FOR

HY-LITE WINDOWS
101 California Avenue
Beaumont, CA 92223

Report No. : A01F-043
Date : April 9, 2001
Page : 1 of 3

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/NWWDA 101/LS. 2 - 97: F - HC 40 74 x 74

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: 800

CONFIGURATION: One fixed block lite composed of 9 columns and 9 rows of individual block lites

FRAME SIZE: 74.00" x 74.00"

DAYLIGHT OPENING: 71.75" x 71.75"

GLAZING MATERIAL: 8" x 8" x 3" thick translucent acrylic blocks with a sealed air space.

GLAZING: The perimeter of the composite block lite was wet glazed to the frame from the interior and exterior with a thermal plastic sealant. In addition, the individual block lites were sealed to each other from the interior and exterior with a thermal plastic sealant.

WEEPAGE: None

WEATHERING: None

HARDWARE: None.

CONSTRUCTION: Individual block lites were stacked together, vertically and horizontally, to form the overall composite size. When stacking, the blocks were mechanically fastened together, at each inside and outside corner, with an I-shape plastic key that fit into built-in slots at each block center.

The perimeter of the composite block lite fit into the aluminum frame such that the frame inner legs served as stops for the composite block lite. In addition, the blocks along the jambs contained their respective I-shape keys at the corners, which protruded into the channels created by the most outer and inner legs of the aluminum frame.

The aluminum frame corners were sealed full profile and fastened with a pair of screws.

ANCHORING: The frame nail-on fin was sealed and anchored to the 2" x 6" wood rough opening with screws every 16" on the center full perimeter. Wood framing was applied over the nail-on fin and fastened to the wood rough opening with screws full perimeter.

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**
PARAGRAPH

TEST DESCRIPTION

MEASURED

ALLOWED

| | | | |
|-------|---|-------------------------|---------------------------|
| 2.1.2 | Air Infiltration (ASTM E 283) 6.24 PSF The tested specimen exceeds the performance requirements specified in AAMA/NWDA 101/I.S.2-97 for Air Infiltration. | 0.0 CFM/Ft ² | 0.30 CFM/ Ft ² |
| 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 |

6.0 2.1.8 **CAWM 301 - 90 FORCED ENTRY TEST RESULTS**

2.4.5 Type "V" Window

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

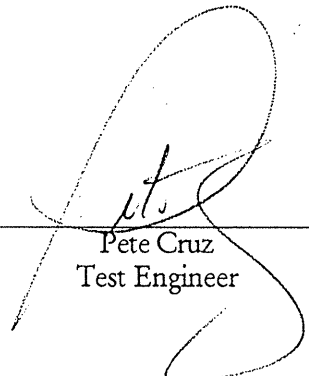
For a complete description of the tested sample refer to the attached cross section drawings.

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 & CAWM Test Methods. This report does not constitute Certification of this product. Certification can only be granted by an approved Administrator/Validator.

This test report may not be modified in any way without the written consent of Fenestration Testing Laboratory.

Testing Completed: April 9, 2001
Report Completed: April 9, 2001



Pete Cruz
Test Engineer



Reginaldo Espinoza
Test Technician