

FENESTRATION **T**ESTING **L**ABORATORY

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TESTED FOR

INTERNATIONAL WINDOW CORP.
5625 East Firestone Boulevard
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Report No. : V01F-073
Date : June 21, 2001
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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) PVC Frame Acrylic Block 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/I.S.2 - 97; F - R 15 68 x 68

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: 5320

CONFIGURATION: O

FRAME SIZE: 67.63" x 67.63"

GLASS: Individual 8" x 16" x 1½" thick blocks interlocked together to form one (1) large composite lite.

GLAZING: The composite lite and the individual blocks were wet sealed from both sides full perimeter with Dow Corning 795 silicone. The composite lite was wet glazed from the inside and outside with silicone to an aluminum insert, which in turn was drop-glazed from the outside with double-sided foam tape to the PVC frame. Snap-in PVC glazing bead was applied full perimeter on the outside.

WEEPAGE: None.

WEATHERING: None.

HARDWARE: None.

CONSTRUCTION: The PVC frame corners were welded full profile and the aluminum insert was mechanically joined with one (1) screw per corner.

CAULKING: Refer to Glazing.

ANCHORING: The frame was set in a 2" x 8" wooden buck and fastened to the buck by the nail-on fin with screws every 16". Wood blocking was applied over the fins and fastened to the buck every 24".

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) 1.57 PSF The tested specimen exceeds the performance requirements specified in AAMA/NWWDA 101/IS.2 - 97 for Air Infiltration.	0.0 CFM/Ft ²	0.3 CFM/Ft ²
2.1.3	Water Penetration (ASTM E 547) 2.86 PSF	No Leakage	No Leakage
2.1.4	Uniform Load Structural (ASTM E 330) 22.5 PSF POS 22.5 PSF NEG	No Damage No Damage	No Damage No Damage
2.1.7	Welded Corner Test	Pass	Break Shall Not Extend Along Entire Weld Line

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

	TEST	RESULTS	DESCRIPTION
5.4.1	A	Passed	Disassembly Test
5.4.2	B	Passed	Hand and Tool Manipulation

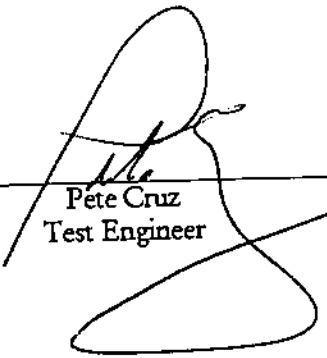
For a complete description of the tested sample refer to the attached cross section drawings.

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.

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

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 and/or Validator.

Testing Completed: June 21, 2001
Report Completed: June 21, 2001



Pete Cruz
Test Engineer



Felipe Cortés
Test Technician