



NATIONAL CERTIFIED TESTING LABORATORIES

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FORCED ENTRY RESISTANCE PERFORMANCE TEST REPORT

REPORT NO.: NCTL-210-2067-3
TEST DATE: 07-02-98
REPORT DATE: 08-02-98
EXPIRATION DATE: 08-02-02

CLIENT: Custom Window Systems
981 N.E. 16th Street
Ocala, FL 34470

TEST SPECIMEN: Custom Window Systems' Series "9000" Aluminum Sliding Glass Door.

TEST SPECIFICATION: AAMA 1303.5-76, "Voluntary Specifications for Forced Entry Resistant for Aluminum Sliding Glass Doors."

TEST SPECIMEN DESCRIPTION

GENERAL: The sample tested was a two panel type "OX" aluminum sliding glass door measuring 8'0" wide by 8'0" high overall. Both panels measured 4'0-5/16" wide by 95-1/16" high. Frame and panel members were not thermally broken. The fixed panels were secured to the jambs with two 2" long aluminum retainers each fastened to the jamb stiles with two (2) screws at 24" from each end of the jamb stile. One plunger type security lock was fastened to the active panel lock stile with the keepers fastened to the jamb at lock position. One adjustable metal single roller assembly was located at each end of the active bottom rail. The frame was of double screw butt-type corner construction. Panel bottom rail corners were of single screw butt-type corner construction. The frame and panel top rail corners were of double screw butt-type corner construction.

INSTALLATION: The frame was mounted to the test buck using forty (40) (# 8 x 1") flat head screws.

GLAZING: All panels were channel glazed using 3/16" thick tempered clear glass with a flexible vinyl glazing bead.

WSTP: A single strip of centerfin weatherstrip (0.300 high) was located at each jamb weatherstrip track. Double strips of polypile weatherstrip (0.400" high) were located at each panel bottom rail. Double strips of centerfin weatherstrip (0.300" high) were located at interlock. An adhesive backed polypile dust plug measuring 2" x 1" (0.450" high) was located on the sill under the interlock stiles.

WEEPS: One weep notch measuring 1-1/2" leg height was located at each end of each vertical sill roller leg.

INTERIOR & EXTERIOR SURFACE FINISH: White painted aluminum.

SEALANT: Frame corners were sealed with a small-joint sealant.

PROFESSIONALS IN THE SCIENCE OF TESTING

Bryan R. Ralston
3/24/02

INSECT SCREEN: One (1) insect screen measuring 4'0-1/4" wide by 7'11-1/4" high was of single screw butt-type corner construction. The screen employed fiberglass mesh cloth a rigid vinyl spline. One (2) adjustable metal roller was located at each end of the bottom rail. One (1) plunger type lock was located at mid-span of the lock stile.

TEST RESULTS

<u>PARAGRAPH NO.</u>	<u>TITLE OF TEST</u>	<u>MEASURED</u>	<u>ALLOWED</u>
3.1.1	TEST A	Meets as stated	
3.1.2	TEST B	Meets as stated	
3.1.3	TEST C	Meets as stated	
3.1.4	TEST D, E, F	Meets as stated	
3.1.5	TEST G	Meets as stated	

TEST COMPLETED: 07-02-98

Detailed drawings were available for laboratory records and compared to the test specimen at the time of this report. A copy of this report along with representative sections of the test specimen will be retained by NCTL for a period of four (4) years. The results obtained apply only to the specimen tested.

**NATIONAL CERTIFIED TESTING
LABORATORIES, INC.**

**MICHAEL E. LANE
Division Manager**

MEL/ld

Gary Portney
8/26/98

Gary Portney
9/24/02