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AMERICAN SOCIETY FOR QUALITY CONTROLSubmitted By: U.S. Aluminum Corp. - Texas  
200 Singleton Drive  
Waxahachie, TX 75165Date: September 19, 1996  
(Reissued: May 21, 1998)

Attn: Jeff Lockenour

Report No. 24535-R

REPORTSUBJECT: Performance testing in accordance with ASTM E 283-91 (Air Infiltration), ASTM E 331-93 (Water Resistance), ASTM E 330-96 (Uniform Load Deflection) and ASTM E 330-96 (Uniform Load Structural).DESCRIPTION OF UNIT TESTEDType: Aluminum StorefrontSeries: 6" Flush FrontOverall Size: 7'11" x 7'11-1/4" (2.41 m x 2.42 m)Configuration:  $\frac{0}{0} \text{ O}$ Glass: Sealed insulating glass: 2 pcs 1/4" (6.35 mm) tempered, 1/2" (12.70 mm) air spacer, 1" (25.4 mm) overall thickness.Glazing: Capture glazing with NP-225 gasket at interior and exterior face of glassWeep Arrangement: Four (4) 1-1/4"x 1/8" (31.75 mm x 3.175 mm) weep slots at exterior face of (FF 701) sill flashing. Two per lite.Sealant: End dams are sealed to subsill (FF 701) and to jambs (FF 652) at interior and exterior. Head (FF 673) and sill (FF 683) are sealed at ends to jambs (FF 652) and intermediate mullion (RF 710/FF 652). Sill (FF 683) sealed to subsill (FF 701) at exterior joint full span. Sealant applied to the horizontal joint between main frame and the exterior leg of snap on covers (M 773), and the vertical joint between (RF 710) and (FF 652).Other Features: End dam secured by two (2) #6x1/2" (6 x 12.70 mm) screws. Each horizontal frame member is secured to vertical frame member by two (2) #10x1" (10 x 25.4 mm) screws.Date Testing Started: September 17, 1996Date Testing Completed: September 18, 1996

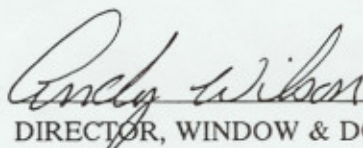
SUMMARY OF TEST RESULTS

<u>TITLE OF TEST</u>	<u>TEST METHOD</u>	<u>MEASURED</u>	<u>ALLOWED</u>
Air Infiltration @ 6.24 psf (30.46 kg/m <sup>2</sup> )	ASTM E 283-91	0.05 CFM/Ft <sup>2</sup> (0.024 liter/sec)	0.06 CFM/Ft <sup>2</sup> (0.028 liter/sec)
Water Resistance @ 10.00 psf (48.82 kg/m <sup>2</sup> )	ASTM E 331-93	No Leakage	No Leakage
Uniform Load Deflection	ASTM E 330-96		
- Exterior 20.0 psf (97.64 kg/m <sup>2</sup> )		0.110" (2.79 mm)	0.545" (13.84 mm)
- Interior 20.0 psf (97.64 kg/m <sup>2</sup> )		0.107" (2.72 mm)	0.545" (13.84 mm)
Uniform Load Structural	ASTM E 330-96		
- Exterior		30.0 psf * (146.44 kg/m <sup>2</sup> )	30.0 psf * (146.44 kg/m <sup>2</sup> )
- Interior		30.0 psf * (146.44 kg/m <sup>2</sup> )	30.0 psf * (146.44 kg/m <sup>2</sup> )
- Permanent Set		Negligible	0.382" (9.703 mm)

\* No glass breakage, permanent deformation, or other damage causing the unit to be inoperable.

The above results were secured by using the designated test methods and they indicate compliance with the performance requirements of the above referenced specifications.

DALLAS LABORATORIES, INC.  
TESTING LABORATORY

  
DIRECTOR, WINDOW & DOOR TESTING

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