

R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Certificate of Authorization No. 9813

Product Evaluation Report

Report No.: FS 04-0720.02
Date: July 20, 2004
Product Category: Exterior Doors
Product sub-category: Swinging
Product Name: ODL / Western Reflections Impact Glazing
With 8'0 Masonite Door
Manufacturer: ODL, Inc.
215 East Roosevelt Avenue
Zeeland, MI 49484
Phone: 616.772.9111 Facsimile: 616.772.9110

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Wendell W. Haney, P.E. (System ID # 1993) for ODL, Inc. based on Rule Chapter No. 9B-72.070, Method 1d of the State of Florida Product Approval, Department of Community Affairs-Florida Building Commission.

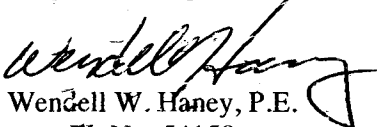
RW Building Consultants and Wendell W. Haney, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code (2001 Edition) and where pressure requirements, as determined by Chapter 16 of The Florida Building Code, do not exceed the following design pressures:

Design Pressure Rating:

Maximum Design Pressure Rating Positive 40.0 PSF Negative 40.0 PSF
(See Limitations for size restrictions)

See Drawing No.: FL 313 dated July 19, 2004 prepared by R W Building Consultants, Inc. and signed and sealed by Wendell W. Haney, P.E. (FL # 54158) for specific use parameters.


Wendell W. Haney, P.E.
FL No. 54158
July 22, 2004

Limitations

1. The ODL / Western Reflection Impact Glazing with Masonite Door has been evaluated and meets the requirements for use within the State of Florida excluding the "High Velocity Hurricane Zone".
2. When used in wind borne debris regions, this product complies with Section 1606.1.4 as an impact resistant product and does not require protection from an impact resistant covering.
3. Size Limitations:

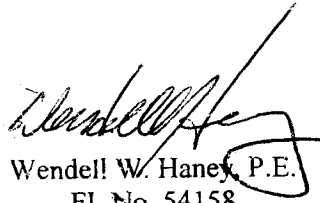
<u>Configurations</u>		<u>MAX. Frame Width</u>	<u>MAX. Frame Height</u>
Single	X	3'0	8'0
Single w/ Sidelite	OX or XO	6'0	8'0
Single w/ Sidelites	O XO	9'0	8'0
Double	XX	6'0	8'0
Double w/ Sidelites	OXXO	12'0	8'0

4. The Design Pressure Rating for the various size units are as follows:

All Configurations

Positive 40.0 PSF

Negative 40.0 PSF


Wendell W. Haney, P.E.
FL No. 54158
July 22, 2004

Supporting Documents

A Drawing

1. Drawing No. FL-313 titled ODL / Western Reflection Impact Glazing with Masonite Door prepared by R W Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813), dated July 19, 2004, with no revisions, signed and sealed by Wendell W. Haney, P.E.

B Test

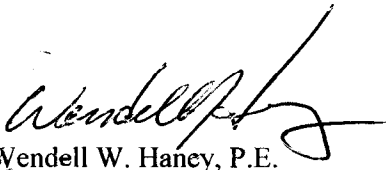
1. Testing per TAS 201, TAS 202, & TAS 203, as performed by Certified Testing Laboratories, Inc. reported in test report numbers CTLA-1042W & CTLA-1042W-1, dated March 21, 2003.

C Calculations

1. Anchor analysis for loading conditions, prepared, signed and sealed by Wendell W. Haney, P.E.
2. Mullion analysis for loading conditions, prepared, signed, and sealed by Wendell W. Haney, P.E.
3. Glass Load Resistance Report ASTM E1300-94 prepared by Wendell W. Haney, P.E.

D Other

1. Certificate of Participation issued by National Accreditation & Management Institute, Inc., certifying that ODL, Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.
ODL, Inc. ID # O-558-1



Wendell W. Haney, P.E.
FL No. 54158
July 22, 2004