

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.: FL4138.1 R1
Date: September 12, 2005
Product Category: Exterior Doors
Product sub-category: Swinging
Product Name: Outswing 16 ga. Flush Opaque Commercial Steel Door in a 16 ga. Hollow Metal Frame
Manufacturer: Mesker Door, Inc.
3440 Stanwood Blvd.
Huntsville, AL 35811
Phone – 256.851.6670
Facsimile – 256.851.7896

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Wendell W. Haney, P.E. (System ID # 1993) for Mesker Door, 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.

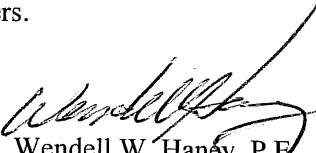
RW Building Consultants and Wendell W. Haney, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

This product has been evaluated for use in locations adhering to the Florida Building Code (2004 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 116.0 PSF Negative 116.0 PSF
(See Limitations for size restrictions)

See Drawing No.: FL 446 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
September 12, 2005

Limitations

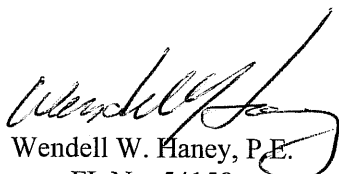
1. The Outswing 16ga. Flush Opaque Commercial Steel Door in 16ga. Hollow Metal Frame has been evaluated and meets the requirements for use within the State of Florida excluding the "High Velocity Hurricane Zone".
2. When used in areas requiring wind-borne debris protection this product, door types 1, 2, 4, 5, 6 and 7 are not required to be protected with an impact resistant covering that complies with Section 1609.1.4 of the Florida Building Code. Door type 3 is required to be protected with an impact resistant covering that complies with Section 1609.1.4 of the Florida Building Code.

3. Size Limitations:

<u>Configurations</u>	<u>MAX. Width</u>	<u>MAX. Height</u>
Single X	40.00"	86.00"

4. The Design Pressure Rating (PSF) for the double unit is as follows:

Design Pressure Rating PSF			
Door	Door Type	Hardware Type	Pressures +/-
1	The "H" Door	Corbin/Russwin CL3300 Series Lever Lockset Corbin/Russwin DL3000 Series Cylin. Dead Lock	+ 116 – 116
2	The "H" Door	Corbin/Russwin CL2000 Series Mortise w/ Lever	+ 116 – 116
3	The "H" Door	Corbin/Russwin ED5200SA Series Rim Panic	+ 90 – 90
4	The "H" Door	Tesa Series Mortise Entegra C3M5F7MCM	+ 116 – 116
5	The Hurricane Door	Dorma 8300/9300 Series Rim Device W/ Push Bar	+ 80 – 80
6	The Hurricane Door	Dorma 8400/9400 Series Vertical Rods w/ Push Bar	+ 100 – 100
7	The Hurricane Door	Dorma 9500 Series Mortise Lock w/ Push Bar & 9400 Ser. Surface Vert. Rod at top & Bottom	+ 65 – 65


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Supporting Documents

A Drawing

1. Drawing No. FL 446 titled Outswing 16ga. Flush Opaque Commercial Steel Door in a 16ga. Hollow Metal Frame prepared by R W Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813) signed and sealed by Wendell W. Haney, P.E.

B Tests Performed

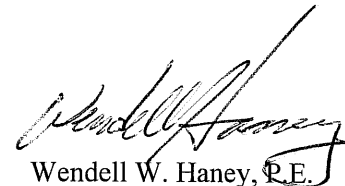
1. Testing per TAS 201, TAS 202 and TAS 203 as performed by Certified Testing Laboratories and reported in test report number CTLA 958W, dated January 17, 2003, signed by Ramesh Patel, P.E.

C Calculations

1. Product anchoring is in accordance with manufacturer's published recommendations as substantiated by tested specimens reported in test report # CTLA 958W.

D Other

1. Certificate of Participation issued by Underwriters Laboratories., certifying that Mesker Door, Inc is manufacturing products within a quality assurance program.



Wendell W. Haney, P.E.

FL No. 54158

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