

# 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

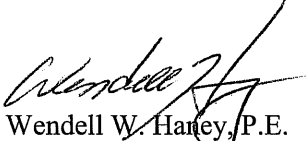
Report No.: FL 8235.3  
Date: March 6, 2007  
Product Category: Exterior Doors  
Product sub-category: Swinging Exterior Door Assemblies  
Product Name: "N" and "D" Series  
Commercial Steel Door  
"Impact"  
Manufacturer: Mesker Door, Inc.  
3440 Stanwood Blvd.  
Huntsville, AL 35811  
Phone: 256.851.6670

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).

See Drawing No.: FL 3295 prepared by R W Building Consultants, Inc. and signed and sealed by Wendell W. Haney, P.E. (P.E. # 54158) for specific use parameters.



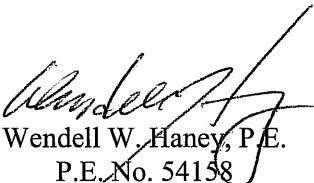
Wendell W. Haney, P.E.

P.E. No. 54158

March 6, 2007

## Limitations

1. This product has been evaluated and is in compliance with The 2004 Florida Building Code structural requirements excluding the "High Velocity Hurricane Zone".
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. When used in areas outside of the "HVHZ" requiring wind-borne debris protection this product complies with Section 1609.1.4 of The Florida Building Code and does not require an impact resistant covering. This product meets Missile Level "D" and includes Wind Zone 4 as defined in ASTM E1996.
4. Conditions not covered by drawing FL 3295 are subject to further engineering analysis.
5. See drawing FL 3295 for size limitations and design pressure ratings.



Wendell W. Haney, P.E.  
P.E. No. 54158  
March 6, 2007

# Supporting Documents

## A Drawing

1. Drawing No. FL-3295 titled Mesker N and D Panels "Impact" 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 Test


1. Testing per TAS 201-94, TAS 202-94 and TAS 203-94 as performed by Certified Testing Laboratories, Inc. and reported in test report number CTLA-958W, dated January 17, 2003 signed by Ramesh Patel, P.E.
2. Testing per ASTM E330-02, ASTM E283-04, ASTM E1886-02, and ASTM E1996-02 as performed by Testing Evaluation Laboratories, Inc. reported in test report number TEL-06-1005-1, dated December 05, 2006, signed by Wendell W. Haney, P.E.

## C Calculations

1. Product anchoring is in accordance with manufacturer's published recommendations as substantiated by tested specimens reported in test report number TEL 06-1005-1 and CTLA-958W and as determined by comparative analysis for substitution of tapcons.
2. Buck anchor analysis for loading conditions prepared, signed, and sealed by Wendell W. Haney, P.E.

## D Other

1. Certificate of Participation issued by National Accreditation and Management Institute, certifying that Mesker Door, Inc. is manufacturing products within a quality assurance program.

  
Wendell W. Haney, P.E.  
P.E. No. 54158  
March 6, 2007