

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 04-0209.02
Date: February 9, 2004
Product Category: Exterior Doors
Product sub-category: Swinging
Product Name: Redi-flex and Redi-frame
w/ The Masonite 3'0 x 7'0 Steel Edge Steel Door
Steel Door Frames
Manufacturer: Dunbarton Corporation
868 Murray Road
Dothan, Alabama 36302
Phone - 334.794.0661

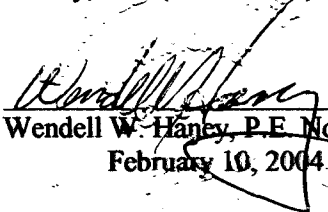
Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Wendell W. Haney, P.E. (System ID # 1993) for Dunbarton Corporation based on Rule Chapter No. 9B-72.070, Method 1d of the State of Florida Product Approval, Department of Community Affairs-Florida Building Commission.

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:

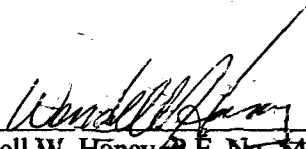
Maximum Design Pressure Rating Redi-flex	Positive 66.0 PSF	Negative 66.0 PSF
Maximum Design Pressure Rating Redi-frame	Positive 66.0 PSF	Negative 66.0 PSF

See Drawing No.: FL-134 Revision 1, dated February 9, 2004, prepared by R W Building Consultants, Inc. and signed and sealed by Wendell W. Haney, P.E. (EL # 54158) for specific use parameters.


Wendell W. Haney, P.E. No. 54158
February 10, 2004

Limitations

1. The Redi-flex and Redi-frame systems have been evaluated and meet the requirements for use within the State of Florida including the "High Velocity Hurricane Zone" including the requirements for windborne debris with the following exception:
 - a. This product does not meet the requirements for water infiltration in the "High Velocity Hurricane Zone" without the use of an overhang equal to the height of the wall the frame system is installed into.
2. This evaluation is for the Redi-flex split steel frame and Redi-frame one piece steel frame along with the components listed and shown in drawing no. FL-134 Revision 1 dated 02/09/04 with no revisions.


Wendell W. Haney, P.E. No. 54158
February 16, 2004

Supporting Documents

A Drawing

1. Drawing No. FL-134, titled Dunbarton 1 piece / 2 piece out-swing / in-swing steel frame w / Masonite 3'0 x 7'0 doors, sheets 1 through 7 of 7 prepared by R W Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813), dated December 5, 2003, with one revision dated 02/09/04, signed and sealed by Wendell W. Haney, P.E.

B Test


1. Testing per Metro-Dade County Protocol TAS 201, 202 and 203 as performed by Certified Testing Laboratories, Inc. and reported in test report number CTLA-1167W, dated November 17, 2003, signed and sealed by Ramesh Patel, P.E.
2. Testing per Metro-Dade County Protocol TAS 201, 202 and 203 as performed by Certified Testing Laboratories, Inc. and reported in test report number CTLA-1167W-2B, dated December 29, 2003, signed and sealed by Ramesh Patel, P.E.
3. Testing per Metro-Dade County Protocol TAS 201, 202 and 203 as performed by Certified Testing Laboratories, Inc. and reported in test report number CTLA-1167W-4A, dated December 29, 2003, signed and sealed by Ramesh Patel, P.E.
4. Testing per Metro-Dade County Protocol TAS 201, 202 and 203 as performed by Certified Testing Laboratories, Inc. and reported in test report number CTLA-1167W-5, dated November 17, 2003, signed and sealed by Ramesh Patel, P.E.

C Calculations

1. 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 & Management Institute, Inc., certifying that Dunbarton Corporation, Dothan, AL is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.
Dunbarton Corporation ID # D-551-1


Wendell W. Haney, P.E. No. 54158
February 10, 2004