

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 04-0622.01
Date: July 27, 2004
Product Category: Exterior Doors
Product sub-category: Swinging
Product Name: Dunbarton 1 piece / 2 piece Out/Inswing Steel Frame
With Benchmark or Landmark Steel Door
Manufacturer: Dunbarton Corporation
868 Murray Road
Dothan, AL 36303
Phone: 334.794.0661 Facsimile: 334.793.3569

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.

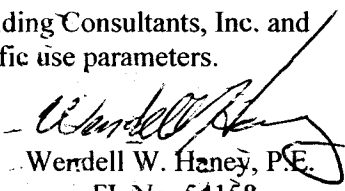
RW Building Consultants and Wendell W. Haney, P.E. do not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

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:
(See Limitations for design pressure limits in specific configurations)

Maximum Design Pressure Rating Positive 55.0 PSF Negative 55.0 PSF

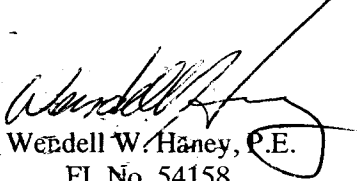
See Drawing No.: FL-311 dated July 19, 2004, prepared by R W Building Consultants, Inc. and signed and sealed by Wendell W. Haney, P.E. (FL # 54158) for specific use parameters.


Wendell W. Haney, P.E.
FL No. 54158
July 27, 2004

Limitations

1. The Dunbarton 1 piece / 2 piece Out/Inswing Steel Frame With Benchmark or Landmark Steel Door has been evaluated and meet the requirements for use within the State of Florida including the "High Velocity Hurricane Zone" 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 height of the wall the frame system is installed into.
2. When used in the "High Velocity Hurricane Zone" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
3. When used in wind borne debris regions, this product complies with Section 1606.1.4 of Florida Building Code as an impact resistant product and does not require a protection device.
4. Design Pressures:

<u>Configuration</u>		<u>Positive PSF</u>	<u>Negative PSF</u>
Single	X	+ 55.0 PSF	- 55.0 PSF


Wendell W. Haney, P.E.
FL No. 54158
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Supporting Documents

A Drawing

1. Drawing No. FL-311 titled Dunbarton 1 piece / 2 piece Out/Inswing Steel Frame With Benchmark or Landmark Door prepared by R W Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813), dated July 19, 2004, signed and sealed by Wendell W. Haney, P.E.

B Test

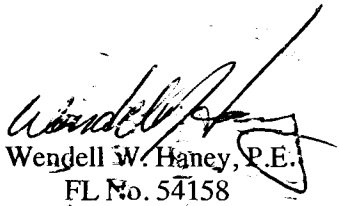
1. Testing per TAS 201, 202 and 203 as performed by Certified Testing Laboratories, Inc. and reported in test report number CTLA-1167W, dated November 17, 2003.
2. Testing per TAS 201, 202 and 203 as performed by Certified Testing Laboratories, Inc. and reported in test report number CTLA-1167W-2A, dated November 17, 2003.
3. Testing per 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.
4. Testing per 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.
5. Testing per 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.
6. Testing per TAS 201, 202 and 203 as performed by Certified Testing Laboratories, Inc. and reported in test report number CTLA-1167W-6, dated December 29, 2003.
7. Testing per TAS 201, 202, and 203 as performed by Certified Testing Laboratories, Inc. and reported in test report number CTLA-1274W, dated June 23, 2004.

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.
FL No. 54158
July 27, 2004