

**Product Evaluation Report**

**Report No.: FL-15341.6**

**Date: June 12, 2013**

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Exterior Door Components	Dunbarton Corporation 868 Murray Road Dothan, AL 36303 Phone 334.794.0661	"Rediflex" Two-Piece Steel Frame System Utilizing a Masonite Opaque Steel Door Panel "Impact"

**Scope:** This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. (System ID # 1998) for Dunbarton Corporation based on Rule Chapter No. 9N-3, Method 1D of the State of Florida Product Approval, Department of Business & Professional Regulation.

RW Building Consultants and Lyndon F. Schmidt, 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

**Limitations:**

1. This product has been evaluated and is in compliance with the 2010 Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
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 the "HVHZ" this product complies with Section 1626 of the 2010 Florida Building Code and does not require an impact resistant covering.
4. When used in areas outside of the "HVHZ" requiring wind borne debris protection this product complies with Section 1609.1.2 of the 2010 FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and Section 1609.1.2.4 of the FBC.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of drawing FL-15341.6 require further engineering analysis by a licensed engineer or registered architect.
7. Outswing configurations using item #71 and #72 meet water infiltration requirements for "HVHZ".
8. Configurations using item #70 do not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
9. All steel shall be protected as specified in Section 2220 of the FBC. In addition, steel in contact with aluminum shall be protected as specified in Section 2003.8.4 of the FBC.
10. See drawing FL-15341.6 for size and design pressure limitations.

**Supporting Documents:**

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| <p>1. <b>Test Report No.</b><br/>TEL 01090614</p> <p>TEL 01090613<br/>15977-104313</p>   | <p><b>Test Standard</b><br/>ASTM E330-02<br/>ASTM E1886-05/1996-06<br/>TAS 201, 202, 203-94<br/>ASTM E 84-98</p> | <p><b>Testing Laboratory</b><br/>Testing Evaluation Lab.,Inc.<br/>Testing Evaluation Lab.,Inc.<br/>Testing Evaluation Lab.,Inc.<br/>Omega Point Labs</p> | <p><b>Signed by</b><br/>Vivian K. Wright<br/>Vivian K. Wright<br/>William B. Shelton, P.E.<br/>John Dougherty, P.E.</p> |
| <p>2. <b>Drawing No.</b><br/>No. FL-15341.6</p>  | <p><b>Prepared by</b><br/>RW Building Consultants, Inc. (CA #9813)</p>   |  | <p><b>Signed &amp; Sealed by</b><br/>Lyndon F. Schmidt, P.E.</p>  |
| <p>3. <b>Calculations</b><br/>Anchoring</p>  | <p><b>Prepared by</b><br/>RW Building Consultants, Inc. (CA #9813)</p>   |  | <p><b>Signed &amp; Sealed by</b><br/>Lyndon F. Schmidt, P.E.</p>  |
| <p>4. <b>Quality Assurance</b><br/>Certificate of Participation issued by National Accreditation and Management Institute, certifying that Dunbarton Corporation is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.</p> |  |  |   |



Lyndon F. Schmidt, P.E.  
FL PE No. 43409  
7/3/2013