



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 7802.2 R1

Date: October 20, 2008

Product Category: Exterior Doors

Product sub-category: Exterior Door Components

Product Name: "Trilennium™ 3500-1-4058 5-pt lock"
Utilizing the Caoba Double Wood Door
Outswing
"Non-Impact"

Manufacturer: W & F Manufacturing, Inc.
PO Box 30
Glendale, CA 91209-0030
818-394-6060

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. (System ID # 1998) for W & F Manufacturing, 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 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 herein.

This product has been evaluated for use in locations adhering to the Florida Building Code (2007 Edition).

See Drawing No.: FL 7802.2 prepared by R W Building Consultants, Inc. and signed and sealed by Lyndon F. Schmidt, P.E. (PE # 43409) for specific use parameters.

Lyndon F. Schmidt, P.E.
PE # 43409
October 20, 2008

Limitations

1. This product has been evaluated and is in compliance with the 2007 Florida Building Code (FBC) structural requirements excluding 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 areas requiring wind borne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.2 of the FBC.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of drawing FL-7802.2 require further engineering analysis by a licensed engineer or registered architect.
6. See drawing FL-7802.2 for size and design pressure limitations.

LSA

Lyndon F. Schmidt, P.E.
PE # 43409
October 20, 2008

Supporting Documents

A Drawing

1. Drawing No. FL-7802.2 prepared by R. W. Building Consultants, Inc. (Florida Board of Professional Engineers Certificate of Authorization No. 9813), signed and sealed by Lyndon F. Schmidt, P.E.

B Tests Performed

1. Testing per ASTM E330-02 as performed by Testing Evaluation Laboratories and reported in test report # TEL 06-1104-3, signed by Wendell W. Haney, P.E.

C Calculations

1. Product anchoring per manufacturer's recommended installation instructions as substantiated by testing as reported in test report number TEL 06-1104-3. Additional product anchor analysis for loading conditions prepared, signed and sealed by Lyndon F. Schmidt, P.E.
2. Buck anchor analysis for loading conditions, prepared, signed and sealed by Lyndon F. Schmidt, P.E.

D Other

1. Certificate of Participation issued by National Accreditation and Management Institute certifying that W & F Manufacturing, Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.



Lyndon F. Schmidt, P.E.
PE # 43409
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