

R  
W  
B  
C

# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry  
P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197 Facsimile 813.754-9989

Florida Board of Professional Engineers Certificate of Authorization No. 9813

## Product Evaluation Report

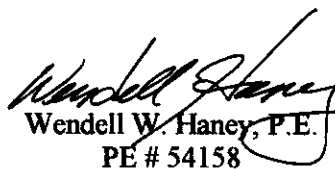
Report No.: FL 7801.2  
Date: November 13, 2006  
Product Category: Exterior Doors  
Product sub-category: Exterior Door Components  
Product Name: "Trilennium™ 3500-1-4058 5-pt lock"  
"Non-Impact"  
Utilizing the Nanya/Plastpro Double Fiberglass Door  
Manufacturer: W & F Manufacturing, Inc.  
PO Box 30  
Glendale, CA 91209-0030  
818-394-6060

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Wendell W. Haney, P.E. (System ID # 1993) 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 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 3163 prepared by R W Building Consultants, Inc. and signed and sealed by Wendell W. Haney, P.E. (PE # 54158) for specific use parameters.

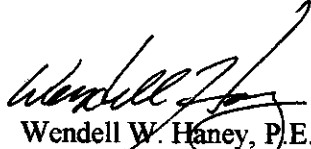
  
Wendell W. Haney, P.E.  
PE # 54158  
December 22, 2006

## Limitations

1. The "Trilennium™ 3500-1-4058 5-pt lock" "Non-Impact" has been evaluated and meets the requirements for use within the State of Florida excluding the "High Velocity Hurricane Zone".
2. When used in areas requiring windborne debris protection this product is required to be protected with an impact resistant covering that complies with Section 1609.1.4 of the Florida Building Code.
3. Size Limitations:

<u>Configurations</u>	<u>MAX. Width</u>	<u>MAX. Height</u>
XX	74.25 "	96.75"

4. See Drawing # FL 3163 for Design Pressure ratings.

  
Wendell W. Haney, P.E.  
PE # 54158  
December 22, 2006

## Supporting Documents

### A Drawing

1. Drawing No. FL-3163 titled "Trileonium™ Multi-Point Lock" with Nanya/Plastpro Double Fiberglass Door Outswing – Non-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 Tests Performed

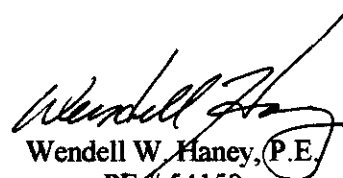
1. Testing per ASTM E 283-04, ASTM E330-02, and ASTM E331-02 as performed by Testing Evaluation Laboratories and reported in test report # TEL 06-1104-2, dated November 13, 2006 and signed by Wendell W. Haney, P.E.

### C Calculations

1. Product anchoring per manufacturer's recommended installation instructions as substantiated by testing as reported in test report number TEL 06-1104-2.
2. Buck anchor analysis for loading conditions, prepared, signed and sealed by Wendell W. Haney, P.E.
3. Glass Load Resistance Report per ASTM E1300-02 prepared by Wendell W. Haney, 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.

  
Wendell W. Haney, P.E.  
PE # 54158  
December 22, 2006