



# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Registry License No. 9813

## Product Evaluation Report

Report No.: FL-12161.1

Date: July 10, 2023

| Product Category | Sub Category                      | Manufacturer                                                                                                                           | Product Name                                             |
|------------------|-----------------------------------|----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------|
| Exterior Doors   | Swinging Exterior Door Assemblies | Metal Manufacturing Industries<br>Priv. De Rio Santiago #30 Col. La Raza<br>Soledad De Graciano Sanchez<br>San Luis Potosi, C.P. 78433 | "N" Series<br>Single Opaque Door<br>"Impact"<br>Outswing |

**Scope:** Product Evaluation report issued by R W Building Consultants, Inc. & Lyndon F. Schmidt, P.E. (System ID # 1998) for Metal Manufacturing Industries, based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Dept. 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 herein.

### Limitations:

1. This product has been evaluated and is in compliance with the 8th Edition (2023) 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 complies with Section 1609.1.2 of the FBC and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E1996 and Section 1609.1.2.2 of the FBC.
4. The "N" door achieves a Class III stiffness classifications per section 8.2.2 of ANSI A250.13.
5. Site conditions that deviate from the details of drawing FL-12161.1 require further engineering analysis by a licensed engineer or registered architect.
6. See drawing FL-12161.1 for size and design pressure limitations.

### Supporting Documents:

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|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------|---------------------------------------------------------------|
| 1. <b>Test Report No.</b><br>CTLA-958W<br>TEL 06-1005-1                                                                                                                                                                                                          | <b>Test Standard</b><br>TAS 201, 202 & 203-94<br>ASTM E330-02<br>ASTM E1996/1886-02 | <b>Testing Laboratory</b><br>Certified Testing Laboratories, Inc.<br>Testing Evaluation Laboratory | <b>Signed by</b><br>Ramesh Patel, P.E.<br>Wendell Haney, P.E. |
| 2. <b>Drawing No.</b><br>No. FL-12161.1                                                                                                                                                                                                                          | <b>Prepared by</b><br>RW Building Consultants, Inc. (#9813)                         |                                                                                                    | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.      |
| 3. <b>Calculations</b><br>Anchoring                                                                                                                                                                                                                              | <b>Prepared by</b><br>RW Building Consultants, Inc. (#9813)                         |                                                                                                    | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.      |
| 4. <b>Quality Assurance</b><br>Certificate of Participation issued by Underwriters Laboratories Inc., certifying that Metal Manufacturing Industries is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53. |                                                                                     |                                                                                                    |                                                               |

Digitally signed by Lyndon F Schmidt

Date: 2023.07.10 13:48:15 -04'00'

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409  
This item has been digitally signed and sealed by L. F. Schmidt on 7-10-23.  
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.  
**THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA**