

Product Evaluation Report**Report No.:** FL-12166.1**Date:** July 11, 2023

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

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:

- This product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code (FBC) structural requirements including the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in the "HVHZ", this product complies with Section 1626 of the FBC and does not require an impact resistant covering.
- When used in areas outside of the "HVHZ" 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.
- Outswing configurations 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.
- The "N" door achieves a Class III stiffness classifications per section 8.2.2 of ANSI A250.13.
- Site conditions that deviate from the details of drawing FL-12166.1 require further engineering analysis by a licensed engineer or registered architect.
- When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.
- Louvered doors do not meet the air infiltration requirements of ASTM E 283.
- See drawing FL-12166.1 for size and design pressure limitations.

Supporting Documents:

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| 1. <u>Test Report No.</u>
TEL 01280069
TEL 01280070 | <u>Test Standard</u>
TAS 201, 202 & 203-94
ASTM E330-02
ASTM E1886/1996-02 | <u>Testing Laboratory</u>
Testing Evaluation Laboratory
Testing Evaluation Laboratory | <u>Signed by</u>
Wendell Haney, P.E.
Wendell Haney, P.E. |
| 2. <u>Drawing No.</u>
No. FL-12166.1 | <u>Prepared by</u>
RW Building Consultants, Inc. (#9813) | | <u>Signed & Sealed by</u>
Lyndon F. Schmidt, P.E. |
| 3. <u>Calculations</u>
Anchoring | <u>Prepared by</u>
RW Building Consultants, Inc. (#9813) | | <u>Signed & Sealed by</u>
Lyndon F. Schmidt, P.E. |
| 4. <u>Quality Assurance</u>
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: 2023.07.11 07:40:34 -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 7-11-23.
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