



398 E DANIA BEACH BLVD. SUITE 338, DANIA BEACH, FL 33004

## Product Evaluation Report

*of*

**Mesker MBM, LLC**  
**"N" Series Commercial Outswing Steel Glazed Door**  
**(HVHZ) (Impact)**

*for*

**Florida Product Approval**

**FL# FL15539**

**Report No. 8394**

**Current Florida Building Code**

|                            |                                                         |
|----------------------------|---------------------------------------------------------|
| <b>Method:</b>             | <b>1 – D (Engineering Evaluation)</b>                   |
| <b>Category:</b>           | <b>Exterior Doors</b>                                   |
| <b>Sub – Category:</b>     | <b>Swinging Exterior Door Assemblies</b>                |
| <b>Product:</b>            | <b>"N" Series Commercial Steel Outswing Glazed Door</b> |
| <b>Material:</b>           | <b>Min. 16 Gauge Steel</b>                              |
| <b>Product Dimensions:</b> | <b>See Installation Instructions, MDI003</b>            |

**Prepared for:**

**Mesker MBM, LLC**  
**3440 Stanwood Blvd.**  
**Huntsville, AL 35811**

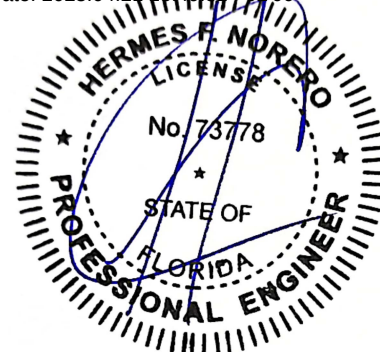
**Prepared by:**

**Hermes F. Norero, P.E.**

Florida Professional Engineer # 73778

Date: 03/02/2023

Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2023.04.21 16:49:52 -0200



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**Manufacturer:** Mesker MBM, LLC

**Product Category:** Exterior Doors

**Product Sub-Category:** Swinging Exterior Door Assemblies

**Compliance Method:** State Product Approval Method (1)(d)

**Product Name:** "N" Series Commercial Steel Outswing Glazed Door (HVHZ) (Impact)

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Mesker MBM, LLC** based on Method 1d of the State of Florida Product Approval, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes F. Norero, P.E. does 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 Current Florida Building Code.

See Installation Instructions **MDI003**, signed and sealed by Hermes F. Norero, P.E. (FL # 73778) for specific use parameters.

**Limits of Use:**

1. This product has been evaluated and is in compliance with the Current Florida Building Code, including the "High Velocity Hurricane Zone" (HVHZ).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment into substrate material shall be beyond wall dressing or stucco.
3. When used in areas requiring wind borne debris protection this product complies with Chapter 16 of the Current Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **MDI003** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **MDI003** for size and design pressure limitations.

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**Quality Assurance:** The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under an approved quality assurance program audited through **National Accreditation & Management Institute, Inc.** (FBC Organization #: QUA1789).

**Performance Standards:** The product described herein has been evaluated per:

- ASTM E330-14
- ASTM E1886-13a
- ASTM E1996-17
- TAS 201-94
- TAS 202-94
- TAS 203-94

**Referenced Data:**

1. Product Testing performed by **Testing Evaluation Laboratories, Inc.**  
(FBC Organization # TST4317)  
Report #: TEL-01280071, Report Date: 08/20/08  
Report #: TEL-01280072, Report Date: 08/20/08  
Report #: TEL-01280050, Report Date: 08/20/08  
Report #: TEL-08-02200007, Report Date: 02/07/08  
Report #: TEL-06-1005-1, Report Date: 12/05/06  
TAS reports signed and sealed by Wendell W. Haney, P.E. No. 54158
2. Product Testing performed by **Fenestration Testing Lab**  
(FBC Organization # TST1657)  
Report #: FTL7245, Report Date: 08/22/14  
Report #: FTL8120, Report Date: 12/19/14  
TAS reports signed and sealed by Idalmis Ortega, P.E. No. 76905
3. Quality Assurance  
**National Accreditation & Management Institute**  
(FBC Organization #QUA1789)
4. Material Certification  
**Miami Dade County RER Notice Acceptance**  
Current NOA for SGP Interlayer by Kuraray America, Inc

**Installation:**

Refer to Installation Instructions (**MDI003**) for anchor spacing and more details of the installation requirements.

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**Design Pressure:**

Refer to Installation Instructions (**MDI003**) for design pressures based on size, configuration, and glass types.

**Equivalence of Test Standards:**

Various test standards have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. Mesker MBM, LLC has tested their products to the following test standard edition(s):

- 1) ASTM E300-02
- 2) ASTM E1886-02
- 2) ASTM E1996-02

Chapter 35 of the current Florida Building Code references the following editions of the above-mentioned test standards:

- 1) ASTM E300-14
- 2) ASTM E1886-13a
- 3) ASTM E1996-17

After review of the above-mentioned referenced standards and editions, it has been found that no significant technical changes have been made to the test standards that would affect the results. All referenced standards have been found to be equivalent.