

ENGINEERING EXPRESS® PRODUCT EVALUATION REPORT

October 17, 2023

Application Number: FL 8649.2
EX Project Number: 23-68116

Product Manufacturer: Morgan Windows & Glass, Inc.
Manufacturer Address: 29 Industrial Blvd
McRae, GA, 31055

Product Name & Description: Series M3100N Fixed Windows
Non-Impact Resistant Windows – Non-HVHZ
EX 23-68116b

Scope of Evaluation:

This Product Evaluation Report is being issued in accordance with the requirements of the Florida Department of Business and Professional Regulation (Florida Building Commission) Rule Chapter 61G20-3.005, F.A.C., for statewide acceptance per Method 1 (d). The product noted above has been tested and/or evaluated as summarized herein to show compliance with the Florida Building Code Eighth Edition (2023) and is, for the purpose intended, at least equivalent to that required by the Code. Re-evaluation of this product shall be required following pertinent Florida Building Code or ASCE Standard modifications or revisions.

Substantiating Data:

- **PRODUCT EVALUATION DOCUMENTS**

EX Installation Drawing #23-68116b titled "Series M3100I And M3100N Fixed Windows - Large Missile Impact Resistant and Non-Impact Resistant Windows - Non-HVHZ", prepared by Engineering Express, Inc., signed & sealed by Frank L. Bennardo, P.E. is an integral part of this Evaluation Report, pages 1 through 4.

- **TEST REPORTS**

NAMI Certification Nos.: NI006930 - R3
NAMI Certification Report Date: 10/27/2020

Test Reports: CTLA 1633W; (02/09/2007)
CTLA 1633W-2; (02/09/2007)
CTLA 1633W-1; (02/09/2007)

Limitations/Conditions of Compliance:

Product approval drawing #23-68116b titled "Series M3100I And M3100N Fixed Windows - Large Missile Impact Resistant and Non-Impact Resistant Windows - Non-HVHZ", sheets 1-4, prepared by Engineering Express, is an integral part of this Anchor Evaluation Report. Anchor capacities and loads applied have been verified in accordance with building code requirements and generally accepted engineering principles. This product has NOT been designed for use within the High Velocity Hurricane Zone (HVHZ).

Windows shall be installed per product approval drawing noted above. Anchors shall be installed per anchor manufacturer's requirements. Where shimming is required, shims shall be "load-bearing" and the material must comply with the 2023 FBC.

Morgan Windows & Glass, Inc.- Series M3100I Fixed Windows & M3100N Fixed Windows

Installation

The product listed above shall be installed in strict compliance with the Product Evaluation Document (i.e. engineering document), along with all components noted therein.

The product components shall be of the material specified in the Product Evaluation Document (i.e. engineering document).

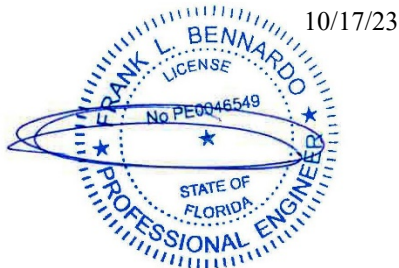
Limitations & Conditions of Use:

Use of each product shall be in strict accordance with its respective Product Evaluation Document (i.e. engineering document) as noted herein.

All supporting host structures shall be designed to resist all superimposed loads and shall be of a material listed in each product's respective anchor schedule. Host structure conditions which are not accounted for in each product's respective anchor schedule shall be designed for on a site-specific basis by a registered professional engineer.

All components which are permanently installed shall be protected against corrosion, contamination, and other such damage at all times. Any alteration to the respective Product Evaluation Document will invalidate it. This product has been designed for use outside of the High Velocity Hurricane Zone (HVHZ).

Respectfully,



Frank Bennardo, PE
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