

Product Evaluation Report

of

**Eastern Metal Supply
28 Gauge Storm Panel
(WZ3) (Impact)**

for

Florida Product Approval

FL# FL22270

Report No. 8827

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Shutters
Sub – Category:	Storm Panels
Product:	28 Gauge Storm Panel
Materials:	Galvanized Steel
Product Dimensions:	See Installation Instructions, EMS005

Prepared for:

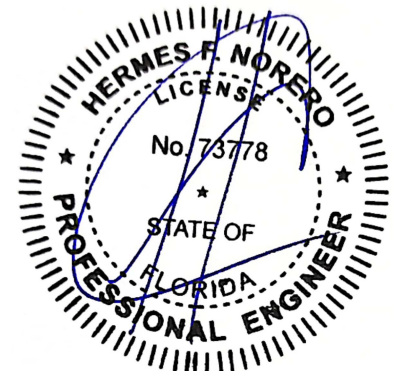
**Eastern Metal Supply
4268 Westroads Drive
West Palm Beach, FL 33407**

Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 09/18/2023

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1900 NE MIAMI CT. SUITE 2-15, MIAMI, FL 33132

Manufacturer: Eastern Metal Supply

Product Category: Shutters

Product Sub-Category: Storm Panels

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

Product Name: 28 Gauge Storm Panel
(WZ3) (Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Eastern Metal Supply** based on Method 1d of the State of Florida Product Approval, 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 **EMS005**, 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, **excluding** 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 meets all requirements for impact resistant covering in Wind Zone 3 or less when installed in compliance with requirements of **EMS005**. This product is not approved to be used in Wind Zone 4.
4. Site conditions that deviate from the details of installation instructions **EMS005** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **EMS005** for size and design pressure limitations.

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

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

- ASTM E330-14
- ASTM 1886-19
- ASTM 1996-20

Referenced Data:

1. Product Testing performed by **Blackwater Technical Services Inc.** (FBC Organization # TST10394)
Report #: BT-EMS-16-001, Report Date: 08/23/2016
Report Signed and Sealed by Constantin Bortes, FL PE No. 77915

Installation:

Refer to Installation Instructions (**EMS005**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**EMS005**) 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. **Eastern Metal Supply** has tested their products to the following test standard edition(s):

- 1) ASTM E330-02
- 2) ASTM E1886-05
- 3) ASTM E1996-05

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

- 1) ASTM E330-14
- 2) ASTM E1886-19
- 3) ASTM E1996-20

After review of the above mentioned referenced standards and editions, it has been found that the results and tests carried out meet the requirements for compliance. All referenced standards have been found to be equivalent.