



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

Product Evaluation Report

of

American Shutter Systems Association (ASSA)
55 MMER Roll Shutter (Wind Zone 3) (IMPACT)

for

Florida Product Approval

FL# FL22558

Report No. 8622

Current Florida Building Code

Method: 1 – D (Engineering Evaluation)
Category: Impact Protective Systems
Sub – Category: Operable

Product: 55 MMER Roll Shutter (Wind Zone 3) (IMPACT)
Material: 6063-T6 Aluminum
Product Dimensions: See Installation Instructions, EMS008

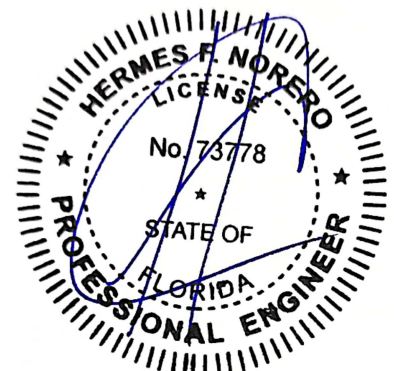
Prepared for:
American Shutter Systems Association
4268 Westroads Drive
West Palm Beach, FL 33407

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 06/20/2023

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2023.06.22 20:01:43 -04'00'



Hermes F. Norero, P.E.
Florida P.E. No. 73778



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Manufacturer: American Shutter Systems Association

Product Category: Impact Protective Systems

Product Sub-Category: Operable

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

Product Name: 55 MMER Roll Shutter (Wind Zone 3) (IMPACT)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **American Shutter Systems Association** based on Method 1d of the Florida Product Approval System, 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 **EMS008**, signed and sealed by Hermes F. Norero (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 coverings when installed in compliance with requirements of Wind Zone 3 or less.
4. Site conditions that deviate from the details of **EMS008** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **EMS008** 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 and Management Institute** (FBC Organization #: QUA1789).

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

- ASTM E330-14
- ASTM E1886-13a
- ASTM E1996-14a

Referenced Data:

1. Product Testing performed by **Blackwater Testing Inc**
(FBC Organization # TST10394)
Report #: BT-EMS-17-001 Report Date: 05/23/2017
Signed and sealed by Constantin Bortes, P.E. FL# 77915
2. Product Testing performed by **Fenestration Testing Laboratory**
(FBC Organization # TST1657)
Report #: FTL 05-0418 Report Date: 09/12/2005
Signed and sealed by Edmundo Largaespada, P.E. FL# 56915
3. Product Testing performed by **American Test Lab of South Florida**
(FBC Organization # TST3782)
Report #: 0511.01-23 Report Date: 06/17/2023
4. Quality Assurance
National Accreditation and Management Institute
(FBC Organization #: QUA1789)

Installation:

Refer to Installation Instructions (**EMS008**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**EMS008**) for design pressures based on size and configuration.

Hermes F. Norero, P.E.
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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. **American Shutter Systems Association** has tested their products to the following test standard edition(s):

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

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

- 1) ASTM E1886-13a
- 2) ASTM E1996-14a
- 3) ASTM E330-14

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.