



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

Product Evaluation Report

of

**American Steel Products
Hollow Metal Flush Outswing Doors with Sidelites
(HVHZ)(Impact)**

for

Florida Product Approval

FL# FL20454

Report No. 9365

Current Edition Florida Building Code

Method:	1 – D (Evaluation Method)
Category:	Exterior Doors
Sub – Category:	Swinging Exterior Door Assemblies
Product:	Hollow Metal Flush Outswing Doors with Sidelites (HVHZ)(Impact)
Material:	Steel
Product Dimensions	See Installation instructions, ASP002

Prepared For:

**American Steel Products
211 Broad Hollow Rd.
P.O. Box 313
Swainsboro, Georgia, 30401**

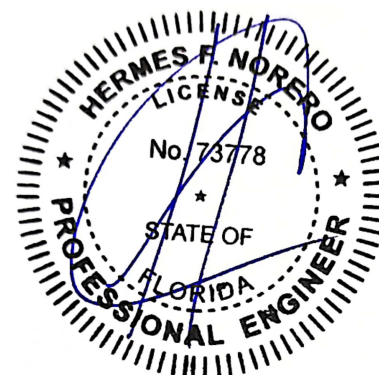
Prepared by:

Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 8/15/2024

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.08.23 15:26:34 -04'00'



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

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

Manufacturer: American Steel Products

Product Category: Exterior Doors

Product Sub-Category: Swinging Exterior Door Assemblies

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

Product Name: Hollow Metal Flush Outswing Doors with Sidelites (HVHZ)(Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **American Steel Products** 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 Florida Building Code.

See Installation Instructions **ASP002**, 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 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 Florida Building Code and **does not** require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **ASP002** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **ASP002** for size and design pressure limitations.

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

Performance Standards: The product described herein has been tested and impacted per:

- TAS 201-94
- TAS 202-94
- TAS 203-94
- ASTM E330-14(21)
- ASTM E331-00(16)
- ASTM E283-19
- ASTM E1886-19
- ASTM E1996-20

Referenced Data:

1. Product Testing performed by **National Certified Testing Laboratories** (FBC Organization # TST1589)
Report#: NCTL-210-3999-01 Report Date: 05/06/2016,
TAS reports signed & sealed by Gerard J. Ferrara, P.E.
2. Quality Assurance Entity:
National Accreditation Management Institute
(FBC Organization #: QUA1789)
3. Material Certifications
Miami-Dade County Notice of Acceptance
Lexan MR10 by SABIC Innovative Plastics

Installation: Refer to Installation Instructions (**ASP002**) for anchor spacing, limits of use, and more details of the installation requirements.

Design Pressure: Refer to Installation Instructions (**ASP002**) for design pressures & ratings based on size and configuration.

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 Steel Products has tested their products to the following test standard edition(s):

- 1) ATSM E330-02
- 2) ATSM E331-00
- 3) ATSM E283-04(12)
- 4) ATSM E1886-05
- 5) ATSM E1996-05

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

- 1) ATSM E330-14(21)
- 2) ATSM E331-00(16)
- 3) ASTM E283-19
- 4) ATSM E1886-19
- 5) ATSM 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.