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Product Evaluation Report

of

AMERICAN CRAFTSMAN WINDOWS SILVER LINE WINDOWS AND DOORS

70 Series / V3 Series/ (5800)

Gliding Patio Doors
(IMPACT) (NON-HVHZ)

for

Florida Product Approval

FL# FL14998

Report No. 7291

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Exterior Doors
Sub – Category:	Sliding Exterior Door Assemblies
Product:	70 Series / V3 Series/ (5800) Gliding Patio Doors (IMPACT) (NON-HVHZ)
Material:	Vinyl
Product Dimensions:	See Installation Instructions, SWD039

Prepared for:

Silver Line Windows and Doors
One Silverline Dr.
North Brunswick, NJ 08902

Prepared by:

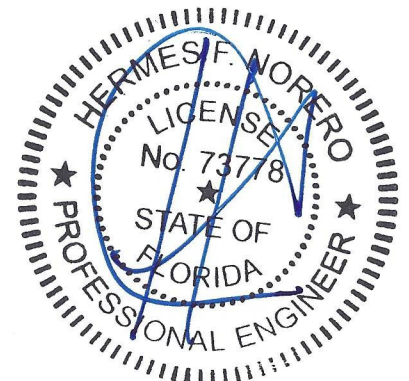
Hermes F. Norero, P.E.

Florida Professional Engineer # 73778

Date: 10/15/2020

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Hermes F. Norero, P.E.

Florida P.E. No. 73778



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Manufacturer: Silver Line Windows & Doors

Product Category: Exterior Doors

Product Sub-Category: Sliding Exterior Door Assemblies

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

Product Name: 70 Series / V3 Series/ (5800) Gliding Patio Doors
(IMPACT) (NON-HVHZ)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Silver Line Windows & Doors** 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 **SWD039**, 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 **does not** require an impact resistant covering in Wind Zones 3 or less.
5. Site conditions that deviate from the details of Installation Instructions **SWD039** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **SWD039** for size and design pressure limitations.

Hermes F. Norero, P.E.

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Quality Assurance Entity: The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a Quality Assurance Entity through **Window and Door Manufacturers Association** (FBC Organization #QUA2515).

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

- AAMA/WDMA/CSA 101/I.S.2/A440-11
- ASTM E1886-12
- ASTM E1996-17

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc.**
(FBC Organization # TST1795)
Report #: D5418.07-501-47 Report Date: 02/19/2014
Report #: D5568.07-501-44 Report Date: 03/05/2014

Product Testing performed by **Testing Evaluation Lab, Inc.**
(FBC Organization # TST4317)
Report #: TEL 01410069 Report Date: 04/02/2015
2. Quality Assurance Entity
Window and Door Manufacturers Association
(FBC Organization #QUA2515)

Installation Method: Please refer to installation instructions, **SWD039**, for anchor methods, selection, spacing, edge distances, embedment's and further details of installation.

Design Pressure: Please refer to installation instructions, **SWD039**, for mull combination grouping, configurations, and corresponding design pressures.



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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. Manufacturer has tested their products to the following test standard edition(s):

- 1) ASTM E1886-05
- 2) ASTM E1996-12

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

- 1) ASTM E1886-12
- 2) ASTM E1996-17

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.