



BUILDING DROPS

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Certificate of Authorization: 29578

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Product Evaluation Report

of

**American Craftsman Windows
Silver Line Windows and Doors
70 Series / V1 Series / (2127) Single-Hung Windows
(HVHZ)(IMPACT)**

for

Florida Product Approval

FL# FL14911

Report No. 7263

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Windows
Sub – Category:	Single Hung
Product:	70 Series / V1 Series / (2127) Single-Hung Windows
Material:	PVC
Product Dimensions:	See Installation Instructions, SWD050

Prepared for:

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

Prepared by:

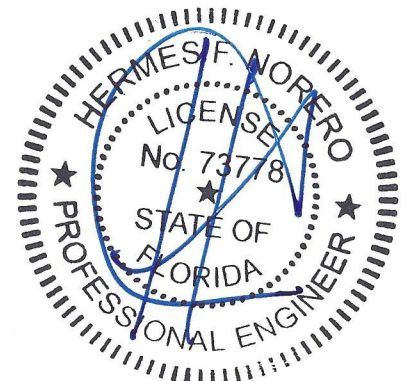
Hermes F. Norero, P.E.

Florida Professional Engineer # 73778

Date: 10/14/2020

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



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Manufacturer: Silver Line Windows and Doors

Product Category: Windows

Product Sub-Category: Single Hung

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

Product Name: 70 Series / V1 Series / (2127) Single-Hung Windows (HVBZ) (IMPACT)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Silver Line Windows and 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 **SWD050**, 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, **including** the "High Velocity Hurricane Zone" (HVBZ).
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.
4. Site conditions that deviate from the details of Installation Instructions **SWD050** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **SWD050** for size and design pressure limitations.

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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:

- TAS 201-94
- TAS 202-94
- TAS 203-94
- ASTM E330-02
- ASTM E1886-12
- ASTM E1996-17
- AAMA/WDMA/CSA 101/I.S.2/A440-11

Referenced Data:

1. Product Testing performed by **National Certified Testing Laboratories, Inc.** (FBC Organization # TST1589)
Report: NCTL 110-16327-1 Dated: 08/13/2013
Signed and Sealed by: Harold E. Rupp, FL PE No 15935, Sealed Date 02/06/18
NCTL 110-16327-2 11/05/2013
NCTL 110-16327-3 08/13/2013
I1524.01-109-47 05/01/2018
I1238.01-109-47 03/28/2022
2. Quality Assurance
Window and Door Manufacturers Association
(FBC Organization #: QUA2515)
3. Material Certification
Miami-Dade County Notice of Acceptance
Eastman Chemical Company (Previously Solutia)
Saflex (Vanceva Composites) PVB Interlayer
4. PVC profiles meet requirements of WDMA/HallMark WD-61 in accordance with AAMA 303



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Installation:

Refer to Installation Instructions (**SWD050**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**SWD050**) for anchor spacing and more details of the installation requirements.

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) AAMA/WDMA/CSA 101/I.S.2/A440-08
- 2) ASTM E1886-05
- 3) ASTM E1996-06/09/12

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

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

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. All material test results meet minimum requirements of the current FBC including HVHZ provisions.