



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

Product Evaluation Report

of

**Weiland Sliding Doors and Windows, Inc.
AWFW/AFW-T Fixed Window
& AWLS-DS/ALS-DS-T Direct Set Window
(HVHZ) (Impact)**

for

Florida Product Approval

FL# FL22225

Report No. 8404

Current Florida Building Code

Method:	1 – D (Engineering Evaluation)
Category:	Windows
Sub – Category:	Fixed
Product:	Aluminum Wood Fixed & Direct Set Windows (HVHZ) (Impact)
Material:	Aluminum / Wood
Product Dimensions:	See Installation Instructions, WSD009

Prepared for:

**Weiland Sliding Doors and Windows, Inc.
1319 Rocky Point Dr #100
Oceanside, California 92056**

Prepared by:

Hermes F. Norero, P.E.

Florida Professional Engineer # 73778

Date: 03/07/2023

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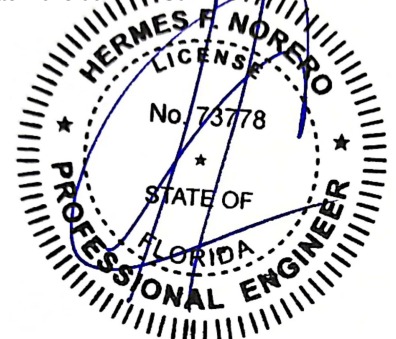
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
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Manufacturer: Weiland Sliding Doors & Windows, Inc.

Product Category: Windows

Product Sub-Category: Fixed

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

Product Name: Aluminum Wood Fixed & Direct Set Windows (HVHZ) (Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Weiland Sliding Doors and Windows, Inc.** 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 **WSD009**, 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" (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.
4. Site conditions that deviate from the details of Installation Instructions **WSD009** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **WSD009** for size and design pressure limitations.

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Quality Assurance: The manufacturer has demonstrated compliance of manufacture of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **Window and Door Manufacturers Association** (FBC Organization #: QUA2515).

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

- AAMA/WDMA/CSA/1.S.2/A440-11
- TAS 201-94
- TAS 202-94
- TAS 203-94
- ASTM E330-14
- ASTM E331-00(09)

Referenced Data:

1. Product Testing performed by **Architectural Testing, Inc.**
(FBC Organization # TST2609)
Report #: Report Date:
G6321.01-301-18 03/15/17
G6322.01-301-18 03/16/17
G6323.01-301-18 03/15/17
E1479.01-301-18-R3 02/06/15
E1479.02-301-44-R1 02/06/15
E1479.03-301-44-R1 02/06/15
F2857.01-301-18-R1 02/11/16
F2857.02-301-44-R1 02/11/16
F2857.03-301-18-R1 02/11/16
TAS test reports signed/sealed by Tyler Westerling, P.E. FL#72012
2. Quality Assurance
Window and Door Manufacturers Association
(FBC Organization #: QUA2515)
3. Material Certification
Miami Dade RER Product Control Section – NOA
Kuraray SentryGlas Interlayer

Installation:

Refer to Installation Instructions (**WSD009**) for anchor location, spacing and more details of the installation requirements.

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Design Pressure:

Refer to Installation Instructions (**WSD009**) for design pressure.

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. **Weiland Sliding Doors & Windows, Inc.** has tested their products to the following test standard edition(s):

- 1) ASTM E330-02
- 2) ASTM E331-00

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

- 1) ASTM E330-14
- 2) ASTM E331-00(09)

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.