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Product Evaluation Report

of

Andersen Corporation
Renewal by Andersen Casement Windows - Fixed
(NON-HVHZ) (NON-IMPACT)

for

Florida Product Approval

FL# FL19562

Report No. 6698

Current Florida Building Code

Method:	**1 – D (Engineering Evaluation)**
Category:	**Windows**
Sub – Category:	**Casement Window**
Product:	**Renewal by Andersen Casement Windows - Fixed (NON-HVHZ) (NON-IMPACT)**
Material:	**Fibrex® and PVC**
Product Dimensions:	**See Installation Instructions, AWD094**

Prepared for:
Andersen Corporation
100 Fourth Avenue North
Bayport, MN 55003

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 09/04/2020

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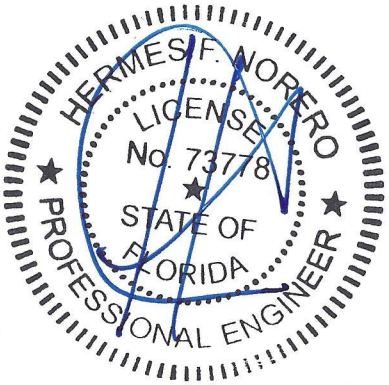
Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.10.11 18:24:40 +02'00'



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

Manufacturer:	**Andersen Corporation**
Product Category:	Windows
Product Sub-Category:	Casement Window
Compliance Method:	State Product Approval Method (1)(d)
Product Name:	**Renewal by Andersen Casement Windows - Fixed (NON-HVHZ) (NON-IMPACT)**

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Andersen Corporation** 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 **AWD094**, 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** require an impact resistant covering.
4. Site conditions that deviate from the details of Installation Instructions **AWD094** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AWD094** for size and design pressure limitations.

Quality Assurance: The manufacturer has demonstrated compliance of products in accordance with the Current 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 evaluated per:

- AAMA/WDMA/CSA 101/I.S.2/A440-11

Referenced Data:

1. Product Testing performed by **Architectural Testing**
   (FBC Organization # TST1795)
   Report: D6881.01-201-47-R0 Dated: 04/15/14
   Report: D6883.01-201-47-R0 Dated: 04/15/14

2. Quality Assurance
   Window and Door Manufacturers Association
   (FBC Organization #: QUA2515)

Installation:

Refer to Installation Instructions (**AWD094**) for anchor type, embedment, edge distance and anchor spacing details.

Design Pressure:

Refer to Installation Instructions (**AWD094**) for design pressures based on unit construction, 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. Andersen Corporation has tested their products to the following test standard edition(s):

1) AAMA/WDMA/CSA 101/I.S.2/A440-08

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

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.