



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

## Product Evaluation Report

*of*

**JELD-WEN, inc.  
Premium Atlantic Vinyl Casement Window  
(HVHZ) (Impact)**

*for*

**Florida Product Approval**

### Report No. 8835

**Current Florida Building Code**

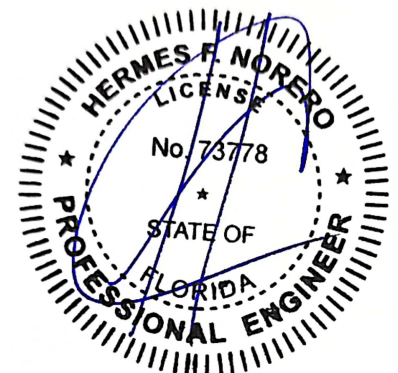
**Method: 1 – A (Certification)**  
**Category: Windows**  
**Sub – Category: Casement**

**Product: Premium Atlantic Vinyl Casement Window**  
**Materials: PVC**  
**Product Dimensions: 36" X 72" (X)**

**Prepared for:**  
**JELD-WEN, inc.**  
**3737 Lakeport Blvd.**  
**Klamath Falls, OR. 97601**

**Prepared by:**  
**Hermes F. Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 09/20/2023

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

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

**Manufacturer:** JELD-WEN, inc.  
**Product Category:** Windows  
**Product Sub-Category:** Casement  
**Compliance Method:** State Product Approval Method (1)(a)  
**Product Name:** Premium Atlantic Vinyl Casement Window (HVHZ) (Non-Impact)

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **JELD-WEN, inc.** based on Method 1a 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 **NCTL 210-3902-1A-FBC**, 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 drawing **NCTL 210-3902-1A-FBC** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **NCTL 210-3902-1A-FBC** for size and design pressure limitations.

**Certification Agency:** The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a Certification Agency through **National Accreditation & Management Institute** (FBC Organization #: CER1773).

**Performance Standards:** The product described herein has been tested per:

- TAS 201-94
- TAS 202-94
- TAS 203-94

- Referenced Data:**
1. Product Testing performed by **National Certified Testing Laboratories, Inc.** (FBC Organization # TST1589)  
Report #: NCTL-210-3902-01, Report Date: 07/29/2013  
TAS reports signed and sealed by Gerard J. Ferrera, FL P.E. No. 11985
  2. Certification Agency  
**National Accreditation & Management Institute**  
(FBC Organization #: CER1773)
  3. Material Certification  
**Miami Dade RER – Product Control Section NOA**  
Kuraray America: SentryGlas Interlayer
  4. Material Certification  
**AAMA Fenestration Exterior Profile Certification Program**  
AAMA 303 Certification – Mikron PVC Profiles

**Installation:**

Approved anchor types and substrates are as follows:

**Nail Fin Installation:**

- A. For two by (2X) wood frame substrate (Min. S.G. = 0.42), use **#10 Wood Screw** type wood frame anchors of sufficient length to achieve a minimum embedment of 1.50" into the wood framing.

**Through Frame Installation:**

- A. For two by (2X) wood buck substrate (Min. S.G. = 0.42), use **#10 Wood Screw** type installation anchors of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.
- B. For concrete (Min.  $f'c = 3000$  psi) or masonry (Conforms to ASTM C90) substrate where one by (1X), non-structural, wood bucking is employed, use **3/16" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.
- C. For concrete (Min.  $f'c = 3000$  psi) or masonry (Conforms to ASTM C90) substrate where wood bucking is NOT employed, use **3/16" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.
- D. For steel substrate (Min. 18 Ga.,  $F_y = 33$  ksi), use **#10 ITW Tek Screw** type steel stud anchors of sufficient length to achieve minimum 3 threads of penetration beyond steel structure.

Refer to Installation Instructions (**NCTL 210-3902-1A-FBC**) for anchor spacing and more details of the installation requirements.

**Design Pressure:**

Design Pressure	
<b>Positive</b>	55 PSF
<b>Negative</b>	60 PSF