



BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

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Product Evaluation Report *of*

JELD-WEN, inc.
**Premium Atlantic Vinyl Casement
Window**

for
Florida Product Approval

Report No. 3099

Current Florida Building Code

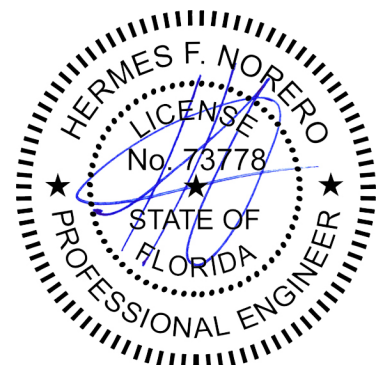
Method: 1 – A (Certification)
Category: Windows
Sub – Category: Casement

Product: Casement Window (Non-Impact)
Material: PVC
Product Dimensions: 36" x 62" (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: 08/11/2014

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



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Date: 08/11/2014

Report No: 3099

Manufacturer: JELD-WEN, inc.

Product Category: Windows

Product Sub-Category: Casement

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

Product Name: **Casement Window**
36 x 62" (X)

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, 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 **NCTL210-3905-1B-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 Section 1609.1.2 of the current Florida Building Code and does require an impact resistant covering.
5. Site conditions that deviate from the details of drawing **NCTL210-3905-1B-FBC** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **NCTL210-3905-1B-FBC** for size and design pressure limitations.



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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 202-94

Referenced Data:

1. Product Testing performed by **National Certified Testing Laboratories** (FBC Organization # TST1589)
Report #: NCTL-210-3905-01, Report Date: 07/29/2013
2. Certification Agency
National Accreditation & Management Institute
(FBC Organization #CER1773)
3. Material Certification
Miami Dade RER – Product Control Section NOA
Quanex Building Products: PVC Extrusions

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Installation: 1. Approved anchor types and substrates are as follows:

Nailing 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 minimum embedment of 1.50" into 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 stud 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 penetration beyond steel structure.

Refer to Installation Instructions (**NCTL210-3905-1B-FBC**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Design Pressure Rating	
Positive	55 PSF
Negative	60 PSF

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