BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

398 E. Dania Beach Blvd.
Suite 338
Dania Beach, FL 33004
954.399.8478 PH
954.744.4738 FX
contact@buildingdrops.com

Product Evaluation Report
of

JELD-WEN, Inc.

Premium Atlantic Vinyl Single Hung - Impact

for
Florida Product Approval

Report No. 3091

Current Florida Building Code

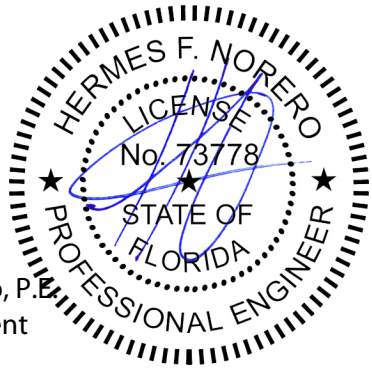
Method:	**1 – A (Certificate)**
Category:	**Windows**
Sub – Category:	**Single Hung**

Product:	***Premium Atlantic Vinyl Single Hung - Impact***
Material:	**PVC**
Product Dimensions:	***52-1/8" x 75" (O/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

Contents:



Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2014.09.19 16:31:16 -04'00'

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

Manufacturer:	**JELD-WEN, Inc.**
Product Category:	Windows
Product Sub-Category:	Single Hung
Compliance Method:	State Product Approval Method (1)(a)
Product Name:	**Premium Atlantic Vinyl Single Hung - Impact** 52-1/8" x 75" (O/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 **NCTL210-3874-1-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 not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **NCTL210-3874-1-FBC** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **NCTL210-3874-1-FBC** for size and design pressure limitations.

Quality Assurance: The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation and Management Institute** (FBC Organization #: QUA 1789)

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 NW** (FBC Organization # TST9341)
   Report #: NCTL-210-3874-1, Report Date: 4/18/2013

2. Certification Agency
   National Accreditation and Management Institute
   (FBC Organization #: CER 1773)

3. Material Certification
   Miami Dade RER – Product Control Section NOA
   E.I. DuPont De Nemours & Co., Inc.: PVB Interlayer

4. Material Certification
   Miami Dade RER – Product Control Section NOA
   Quanex Building Products: PVC Extrusions

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

A. For concrete (Min. f'c = 3000 psi) or masonry substrate (Min. f'c = 1500 psi) where one by (1X), non-structural, wood bucking is employed, use **(1) 3/16" diameter ITW Tapcon** type concrete screw anchors per location of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

B. For concrete (Min. f'c = 3000 psi) or masonry substrate (Min. f'c = 1500 psi) where wood bucking is NOT employed, use **(1) 3/16" diameter ITW Tapcon** type concrete screw anchors per location of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

C. For steel substrate, use **(1) #8 Tek Screw** type steel frame (min. 18ga.) anchors per location of sufficient length to achieve minimum three threads of penetration beyond steel structure.

Nail Fin Installation (Where applicable):

A. For wood substrates (Min. S.G. = 0.42) use **(1) #10 Wood Screw** type installation anchors per location of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.

Refer to Installation Instructions (**NCTL210-3874-1-FBC**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Design Pressure	
Positive	50 PSF
Negative	60 PSF