



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.
Custom Clad In-Sash Fixed Casement Window

for
Florida Product Approval

Report No. 2857

Current Florida Building Code

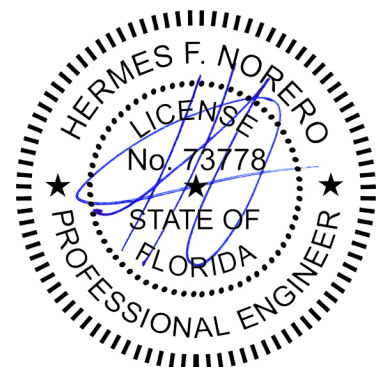
Method: 1 – D (Engineering Evaluation)
Category: Windows
Sub – Category: Fixed

Product: Custom Clad In-Sash Fixed Casement Window
Material: Wood (Auralast®) w/ Aluminum 6063-T5 cladding
Product Dimensions: 96" X 72" (Max.)

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

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 04/11/2014
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Hermes F. Norero, P.E.
Florida No. 73778



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Date: 04/11/2014
Report No: 2857

Manufacturer: JELD-WEN, inc.

Product Category: Windows

Product Sub-Category: Fixed

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

Product Name: Custom Clad In-Sash Fixed Casement Window
96" X 72" (Max.)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **JELD-WEN, inc.** 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 **JW014**, 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.
5. Site conditions that deviate from the details of drawing **JW014** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **JW014** for size and design pressure limitations.



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Quality Assurance:

The manufacturer has demonstrated compliance of window 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 per:

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

Referenced Data:

1. Product Testing performed by **National Certified Testing Laboratory, Inc.**
(FBC Organization # TST9341)
Report #: SJW2011-028-TAS, Report Date: 08/22/2011
Report #: SJW2012-105-TAS, Report Date: 08/07/2012
Report #: SJW2012-106-TAS, Report Date: 08/07/2012
2. Quality Assurance
Window and Door Manufacturers Association
(FBC Organization #: QUA2515)
3. Miami-Dade RER Product Control Section - **NOA**
Butacite PVB Interlayer by DuPont
4. Miami-Dade RER Product Control Section - **NOA**
SentryGlas Interlayer by DuPont

Hermes F. Norero, P.E.

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

Through Frame Installation:

- A. For two by (2X) wood buck substrate, 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 or masonry substrate where one by (1X), non-structural, wood bucking is employed, or when directly to concrete or masonry, use **3/16" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

Anchor Strap Installation:

- A. For two by (2X) wood buck substrate, use **two (2) #8 Wood Screw** type installation anchors per strap of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.

Nail Fin Installation:

- A. For two by (2X) wood buck substrate, use **#8 Wood Screw** type installation anchors of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.

Refer to Installation Instructions (**JW014**) for anchor spacing and more details of the installation requirements.

Design Pressure:

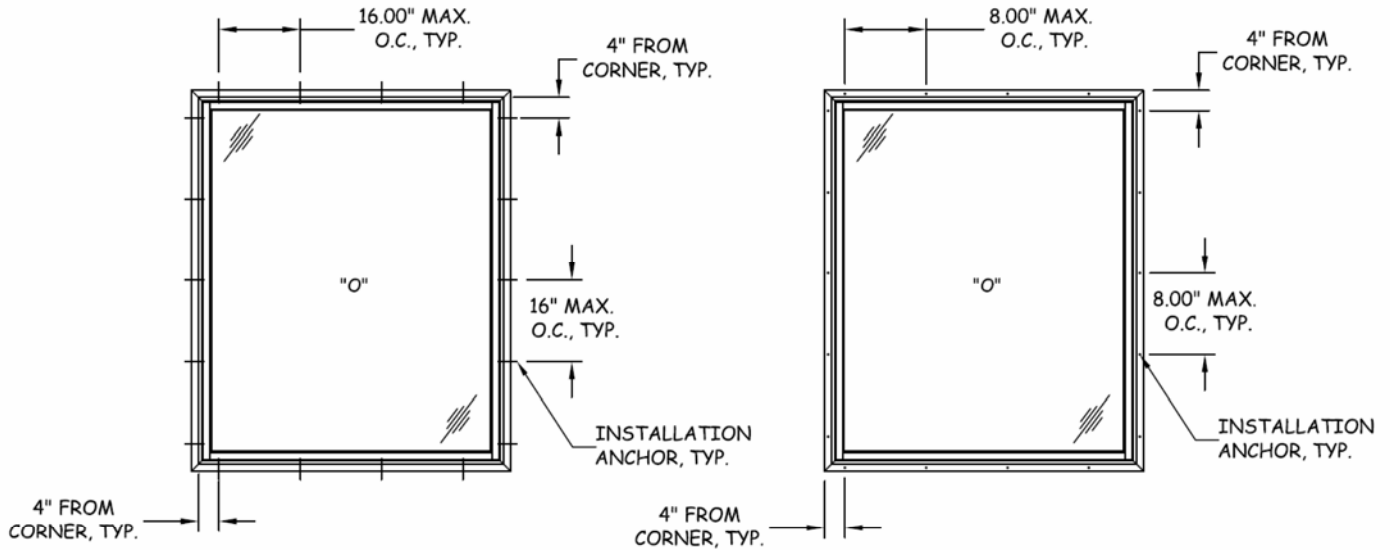
Size	Glass Type	Design Pressure
60" x 72"	G1 or G5	+60/-70 PSF
96" x 72"	G2, G3, or G4	+60/65 PSF



Installation Method

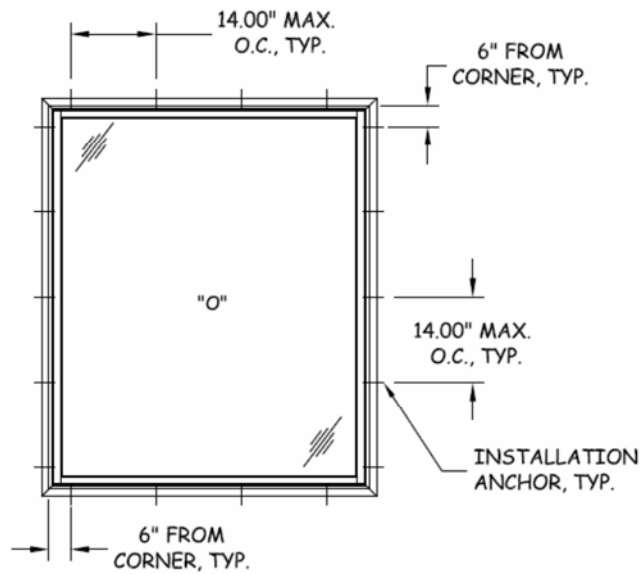
JELD-WEN, inc.

Custom Clad In-Sash Fixed Casement Window



ANCHOR LAYOUT
THROUGH FRAME INSTALLATION

ANCHOR LAYOUT
NAIL FIN INSTALLATION



ANCHOR LAYOUT
STRAP INSTALLATION