



# BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

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## Product Evaluation Report

*of*

**Continental Glass Systems, LLC.  
Series 3100 Fixed Window Wall - SMI**

*for*

**Florida Product Approval**

**FL# FL21413**

**Report No. 4611**

**5<sup>th</sup> Edition Florida Building Code**

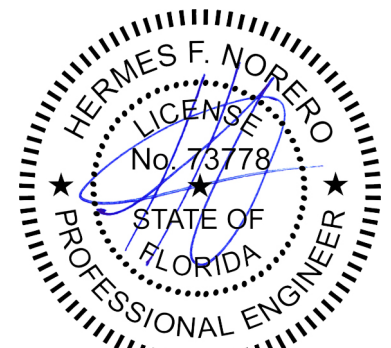
**Method:** 1 – A (Certificate Method)  
**Category:** Panel Walls  
**Sub – Category:** Storefront

**Product:** *Series 3100 Fixed Window Wall SMI*  
**Material:** *Aluminum 6005-T5*  
**Product Dimensions:** *50" x 120 7/8" Max. Panel (Unlimited Multiple Unit Width)*

**Prepared For:**  
**Continental Glass Systems, LLC.**  
**325 W. 74<sup>th</sup> Place**  
**Hialeah, FL 33014**

**Prepared by:**  
**Hermes F. Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 11/28/2016

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



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**Manufacturer:** Continental Glass Systems, LLC.

**Product Category:** Panel Walls

**Product Sub-Category:** Storefront

**Compliance Method:** State Product Approval Method 1a

**Product Name:** **Series 3100 Fixed Window Wall SMI**  
50" x 120 7/8" Max. Panel (Unlimited Multiple Unit Width)

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Continental Glass Systems, LLC.** 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 Florida Building Code.

See Installation Instructions **FXD-3100-SM**, 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 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 Florida Building Code and does not require an impact resistant covering in areas requiring Small Missile Impact Resistance.
4. Site conditions that deviate from the details of drawing **FXD-3100-SM**, require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **FXD-3100-SM**, for size and design pressure limitations.



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**Certification Agency:** The manufacturer has demonstrated compliance of window products in accordance with the Florida Building Code and State Rules for manufacturing under a quality assurance program audited by an approved quality assurance entity through **National Accreditation & Management Institute** (FBC Organization #: CER 1773).

**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 **Fenestration Testing Laboratory, Inc.**  
(FBC Organization #: TST 1657)  
Report #: FTL-5246, Report Date: 06/28/07  
Signed and Sealed by Carlos Rionda, FL PE No. 12984
2. Product Testing performed by **Blackwater Testing Laboratory, Inc.**  
(FBC Organization #: TST 10394)  
Report #: BT-CON-16-009, Report Date: 11/28/16  
Signed and Sealed by Constantin Bortes, FL PE No. 77915
3. Material Certification  
**Miami-Dade RER – Product Control Section NOA**  
Eastman Chemical Co. – Saflex PVB Interlayer



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

**Through Frame Installation:**

- A. For concrete substrate (min. 3515 psi compressive strength) use **5/16" diameter Elco Ultracon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.75" into concrete.

Refer to Installation Instructions (**FXD-3100-SM**) for anchor spacing and more details of the installation requirements.

**Design Pressure:**

DESIGN LOAD CAPACITY (P.S.F.)		MULLION REINFORCING CHANNELS	MAXIMUM D.L.O. WIDTH	MAXIMUM WINDOW WIDTH
POSITIVE	NEGATIVE			
110	110	NO	43 1/2"	46"
140	140	YES	47 1/2"	50"
100	100	NO	47 1/2"	50"