



# 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*

**Continental Glass System, LLC.**

**Series 2850 Aluminum Lift and Slide Door - SMI**

*for*

**Florida Product Approval**

**FL# FL17175**

**Report No. 4005**

**Current Florida Building Code**

**Method:** 1 – A (Certificate)  
**Category:** Exterior Doors  
**Sub – Category:** Sliding Exterior Door Assemblies

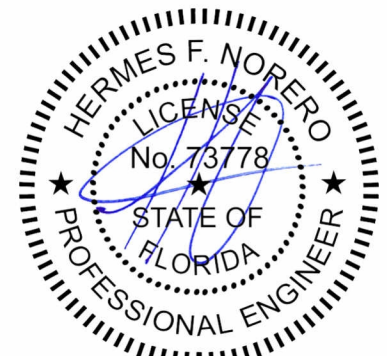
**Product:** Series 2850 Aluminum Lift and Slide Door - SMI  
**Material:** Aluminum  
**Product Dimensions:** 202" x 148.50"

**Prepared For:**  
**Continental Glass Systems, LLC.**  
**325 West 74 Place**  
**Hialeah, FL 33014**

**Prepared by:**  
**Hermes F. Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 10/12/2015

Contents:

Evaluation Report Pages 1 – 4  
Digitally signed by Hermes F Norero, P.E.  
Reason: I am approving this document  
Date: 2016.01.31 17:39:41 -05'00'



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



# BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

**FL# FL17175**

Date: 10/12/2015

Report No: 4005

---

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

**Product Category:** Exterior Doors

**Product Sub-Category:** Sliding Exterior Door Assemblies

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

**Product Name:** Series 2850 Aluminum Lift and Slide Door- SMI  
(Impact)  
202" x 148.50"

**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, 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 **CGS110**, 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 for Small Missile Impact and does not require an impact resistant covering for installations 30 feet or greater above grade.
4. Site conditions that deviate from the details of drawing **CGS110** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **CGS110** for size and design pressure limitations.

Hermes F. Norero, P.E.  
Florida No. 73778  
Page 2 of 4



# BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

**FL# FL17175**

Date: 10/12/2015

Report No: 4005

---

## 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 & Management Institute** (FBC Organization #: QUA1789).

## 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 **Blackwater Testing Inc.**  
(FBC Organization # TST10394)  
Report #: BT-CON-15-014A      Report Date: 11/12/2015
2. Certification Agency  
**National Accreditation & Management Institute**  
(FBC Organization #: CER1773)
3. Material Certification  
**Miami-Dade County RER-Product Control Section NOA**  
SentryGlas Interlayer by E.I. DuPont De Nemours & Co., Inc.
4. Material Certification  
**Miami-Dade County RER-Product Control Section NOA**  
Butacite PVB Interlayer by E.I. DuPont De Nemours & Co., Inc.



# BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

**FL# FL17175**

Date: 10/12/2015

Report No: 4005

---

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

**Through Frame Installation:**

- A. For wood substrate use **(1) 5/16" diameter Elco UltraCon** screw anchor per location of sufficient length to achieve minimum embedment of 1.5" into wood.
- B. For concrete substrate where one by (1X), non-structural, wood bucking is employed, use **(1) 5/16" diameter Elco UltraCon** concrete screw anchor per location of sufficient length to achieve minimum embedment of 1.75" into concrete.
- C. For concrete substrate where wood bucking is NOT employed, use **(1) 5/16" diameter Elco UltraCon** type concrete screw anchors per location of sufficient length to achieve minimum embedment of 1.75" into concrete.
- D. For steel substrate, use **(1) Grade 5 Self-Tapping or Self-Drilling SMS** type anchor per location of sufficient length to achieve minimum three threads of penetration beyond steel structure.
- E. For aluminum substrate, use **(1) Grade 5 Self-Tapping or Self-Drilling SMS** anchor per location of sufficient length to achieve minimum three threads of penetration beyond aluminum structure.

Refer to Installation Instructions (**CGS110**) for anchor spacing and more details of the installation requirements.

**Design Pressure:** +162 / -162 psf