



# 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 2000 Aluminum Sliding Glass Door - SMI**

*for*

**Florida Product Approval**

**FL# FL21412**

**Report No. 4587**

**5<sup>th</sup> Edition (2014) Florida Building Code**

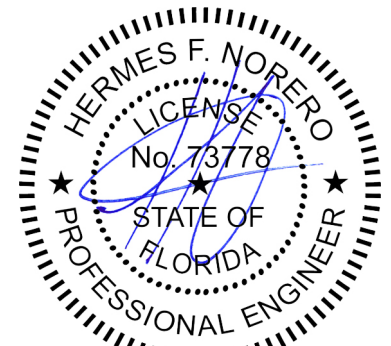
**Method:** 1 – A (Certificate Method)  
**Category:** Exterior Doors  
**Sub – Category:** Sliding Exterior Door Assemblies

**Product:** *Series 2000 Aluminum Sliding Glass Door*  
**Material:** *Aluminum 6063-T5*  
**Product Dimensions:** *204" x 121.625" Max. (See Installation Instructions S.G.D-2000-SM)*

**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: 11/01/2016

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



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

**Product Category:** Exterior Doors

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

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

**Product Name:** Series 2000 Aluminum Sliding Glass Door - SMI  
204" x 121.625" Max. (See Installation Instructions S.G.D-2000-SM)

**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 **S.G.D-2000-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 for small missile impact resistance.
4. Site conditions that deviate from the details of drawing **S.G.D-2000-SM**, require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **S.G.D-2000-SM**, for size and design pressure limitations.



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**Certification Agency:** The manufacturer has demonstrated compliance of door 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-4724, Report Date: 11/10/05  
Signed and Sealed by Edmundo Largaespada, FL PE No. 56915
2. Product Testing performed by **Blackwater Testing Inc.**  
(FBC Organization #: TST 10394)  
Report #: BT-CON-16-006, Report Date: 11/18/16  
Signed and Sealed by Constantin Bortes, FL PE No. 77915
3. Material Certification  
**Miami-Dade RER – Product Control Section NOA**  
Eastman Chemical Company – 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 or masonry.

Refer to Installation Instructions (**S.G.D-2000-SM**) for anchor spacing and more details of the installation requirements.

**Design Pressure:**

DESIGN LOAD CAPACITY (PSF)				
HEAD INSTALLATION	POSITIVE	NEGATIVE	DOOR HEIGHT	JAMB REINFORCING
RECEPTOR	53	53	121 5/8"	NONE
	80	80	121 5/8"	3/8" ALUM.
	110	110	121 5/8"	1/4" STEEL
	140	140	121 5/8"	3/8" STEEL
	80	80	108"	NONE
	110	110	108"	3/8" ALUM.
	140	140	108"	1/4" STEEL
STANDARD	53	53	119 7/8"	NONE
	80	80	119 7/8"	3/8" ALUM
	110	110	119 7/8"	1/4" STEEL
	140	140	119 7/8"	3/8" STEEL
	80	80	108"	NONE
	110	110	108"	3/8" ALUM.
	140	140	108"	1/4" STEEL