



BUILDING DROPS

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Product Evaluation Report

of

**Graham Architectural Products
Series 1200 Picture Window
(HVHZ)(Impact)**

for

Florida Product Approval

FL# FL10084

Report No. 7202

Current Florida Building Code

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

Product:	Series 1200 Picture Window
Material:	Aluminum
Product Dimensions:	See Installation Instructions, GAW029

Prepared For:

**Graham Architectural Products
1551 Mount Rose Avenue
York, PA 17403**

Prepared by:

Hermes F. Norero, P.E.

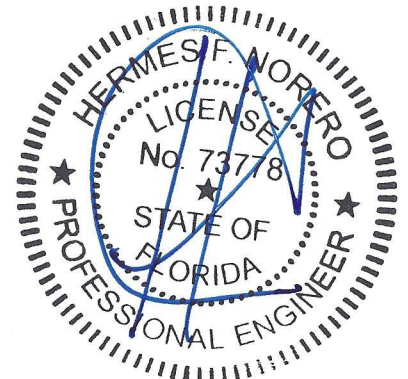
Florida Professional Engineer # 73778

Date: 10/01/2020

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.10.09 15:16:17 +02'00'



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



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Date: 10/01/2020

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Manufacturer:	Graham Architectural Products
Product Category:	Windows
Product Sub-Category:	Fixed
Compliance Method:	State Product Approval Method (1)(d)
Product Name:	Series 1200 Picture Window

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Graham Architectural Products** based on Method 1d of the State of Florida Product Approval, Florida Department of Business & 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 **GAW029**, 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 and **does not require** an impact resistant covering.
4. Site conditions that deviate from the details of Installation Instructions **GAW029** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **GAW029** for size and design pressure limitations.



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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 and approved quality assurance entity through **Keystone Certifications, Inc.** (FBC Organization #: QUA1824).

Performance Standards:

The product described herein has been tested per:

- ASTM E 1886-13a
- ASTM E 1996-12
- TAS 201-94
- TAS 202-94
- TAS 203-94

Referenced Data:

1. Product Testing performed by **Molimo, LLC.**
(FBC Organization # TST11282)
Report #: 1168.01-106-11, Report Date: 11/30/16
Report #: 1168.02-106-11, Report Date: 01/25/17
All reports signed and sealed by Michael D. Stremmel, FL P.E No 65868
2. Product Testing performed by **Molimo, LLC.**
(FBC Organization # TST11282)
Report #: 1168.03-106-11, Report Date: 01/12/17
Report #: 1168.04-106-11, Report Date: 01/25/17
3. Quality Assurance
Keystone Certifications, Inc.
(FBC Organization #: QUA1824)
3. Material Certification
Miami Dade County RER Notice Acceptance
Current NOA for SentryGlas Interlayer by Kuraray America, Inc.
4. Material Certification
Miami Dade County RER Notice Acceptance
Current NOA for Saflex PVB Interlayer by Kuraray America, Inc.

Installation:

Refer to Installation Instructions (**GAW029**) for anchor spacing and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions (**GAW029**) for design pressures and product sizes.

Hermes F. Norero, P.E.

Florida No. 73778

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Equivalence of Test Standards:

Various test standard(s) have been evaluated for differences in test methodology, if any, between tested editions of the test standards listed below and those editions referenced in the current Florida Building Code. Graham Architectural Products has tested their products to the following test standard edition(s):

- 1) ASTM E1886-05

The current Florida Building Code references the following editions of the above mentioned test standards:

- 1) ASTM E1886-13a

After review of the above mentioned referenced standards and editions, it has been found that no significant technical changes have been made to the test standards that would affect the results. All referenced standards have been found to be equivalent. All materials test results meet minimum requirements of the current Florida Building Code.