



BUILDING DROPS

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Certificate of Authorization: 29578

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Product Evaluation Report

of

**Ply Gem Windows
1100HP Horizontal Mullion**

for

Florida Product Approval

FL# FL15263

Report No. 5109

Current Florida Building Code

Method:	2 – B (Engineering Evaluation)
Category:	Windows
Sub – Category:	Mullions

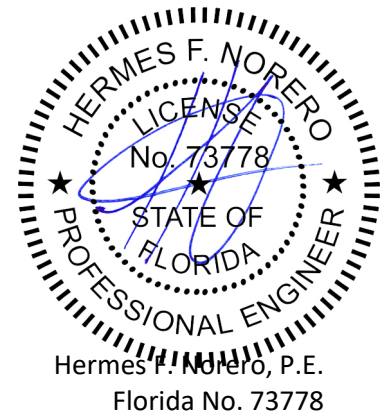
Product:	1100 HP Horizontal Mullion
Material:	Aluminum 6063-T6

Prepared for:
Ply Gem Windows
433 N. Main St., PO Box 559
Rocky Mount, VA 24151

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 09/14/2017

Contents:
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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2017.09.28 09:57:13 -04'00'





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FL#: **FL15263**

Date: 09/14/17

Report No: 5109

Manufacturer: Ply Gem Windows

Product Category: Windows

Product Sub-Category: Mullions

Compliance Method: State Product Approval Method (2)(b)

Product Name: 1100 HP Horizontal Mullion

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Ply Gem Windows** based on Method 2b 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 current Florida Building Code.

See Installation Instructions **PGW127**, 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, excluding 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 does require impact protection in compliance with Chapter 16 of the current Florida Building Code.
5. Site conditions that deviate from the details of drawing **PGW127** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **PGW127** for size and design pressure limitations.



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Quality Assurance: The manufacturer has demonstrated compliance of manufacture 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 #: QUA 1789).

Code Section: The product described herein has been evaluated per:

- Current FBC Section 1709.8

Referenced Data:

1. Quality Assurance
National Accreditation Management Institute
(FBC Organization #: QUA 1789)



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

Mull Splice Installations:

- A. For two by (2X) wood frame substrate, use **#10 Wood Screw** type wood frame anchors of sufficient length to achieve minimum embedment of 1.50" into wood framing.
- B. For steel stud, use **#8 TEK** Screw type installation anchors of sufficient length to achieve 3 threads of minimum penetration beyond steel structure.

Mull Clip Installations:

- A. For two by (2X) wood frame substrate, use **#10 Wood Screw** type wood frame anchors of sufficient length to achieve minimum embedment of 1.50" into wood framing.
- B. For concrete or masonry substrates where 1X wood buck is employed, or directly into concrete or masonry, use **3/16" ITW Tapcons** of sufficient length to achieve a minimum embedment of 1.25" into concrete or masonry substrate.
- C. For steel stud, use **#10 SAE Gr. 5 Self-Tapping** Screw type installation anchors of sufficient length to achieve 3 threads of minimum penetration beyond steel structure.

Refer to Installation Instructions (**PGW127**) for anchor locations, installation methods, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions **PGW127, sheet 4**, for design pressure tables and limitations of use.