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Product Evaluation Report

of

Ply Gem Windows
Premium Mira Vertical Mullion

for

Florida Product Approval

FL# FL15261

Report No. 5102

Current Florida Building Code

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

Product:	**Premium Mira Vertical Mullion**
Material:	**Aluminum 6063-T6 / Steel**

Prepared for:
Ply Gem Windows
433 N. Main St. P.O. Box 559
Rocky Mount, VA 26415

Prepared by:
Hermes Norero, P.E.
Florida Professional Engineer # 73778
Date: 09/13/2017

Contents:

Evaluation Report Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2017.09.28 09:32:40 -04'00'

HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER

Hermes Norero, P.E.
Florida No. 73778

Manufacturer:	**Ply Gem Windows**
Product Category:	Windows
Product Sub-Category:	Mullions
Compliance Method:	State Product Approval Method (2)(b)
Product Name:	**Premium Mira Vertical Mullion**

Scope: This is a Product Evaluation Report issued by Hermes Norero, P.E. (FL # 73778) for **Ply Gem Windows** based on Method 2b of the State of Florida Product Approval, Florida Department of Business and Professional Regulation - Florida Building Commission.

Hermes 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 **PGW095,** signed and sealed by Hermes 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 complies with Chapter 16 of the current Florida Building Code and does not require an impact resistant covering in Wind Zone 3 or less.
4. Site conditions that deviate from the details of **PGW095** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **PGW095** for size and design pressure limitations.

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

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

- Current FBC Section 1709.8

Referenced Data:

1. Quality Assurance
   National Accreditation and Management Institute
   (FBC Organization #: QUA1789)

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

Mull Clip with Reinforcement Key Installations

A. For two by (2X) wood frame substrate, use six (6) **#8 Wood Screw** type wood frame anchors at each clip of sufficient length to achieve minimum embedment of 1.50" into wood framing.

B. For steel stud, use six (6) **#8 SAE Grade 5 Self-Tapping Screw** installation anchors at each clip of sufficient length to achieve 3 threads of minimum penetration beyond steel structure.

Refer to Installation Instructions (**PGW095**) for anchor locations, installation methods, and more details of the installation requirements.

Design Pressure:

Refer to Installation Instructions **PGW095, sheets 4 & 5** for design pressure tables and limitations of use.