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Product Evaluation Report

of

Atrium Corporation
Series 130 1.25" Tube Mullion
(Non-HVHZ)(Non-Impact)

for

Florida Product Approval

FL# FL22377

Report No. 5237

Current Florida Building Code

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

Product: Series 130 1.25" Tube Mullion
Material: Aluminum 6063-T6
Product Dimensions: See Installation Instructions, ATR110

Prepared For:

Atrium Corporation
9001 Ambassador Row
Dallas, TX 75247

Prepared by:

Hermes F. Norero, P.E.

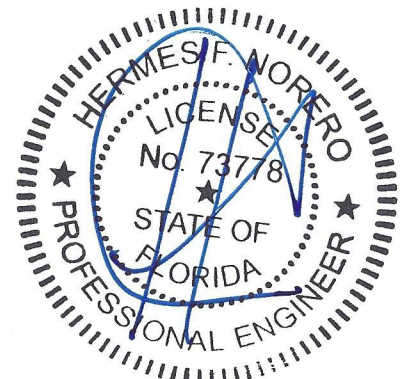
Florida Professional Engineer # 73778

Date: 11/11/2020

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Digitally signed by Hermes F Norero
Reason: I am approving this document
Date: 2020.11.13 16:47:34 -05'00'



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



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FL#: FL16972

Date: 11/11/2020

Report No: 5237

Manufacturer: Atrium Corporation

Product Category: Windows

Product Sub-Category: Mullions

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

Product Name: Series 130 1.25" Tube Mullion
(Non-HVHZ)(Non-Impact)

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Atrium Corporation** based on Method 2b of the 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 **ATR110**, 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 complies with the current Florida Building Code and **does** require an impact resistant covering.
4. All configurations shown in Installation Instructions **ATR110** have been qualified as required by section 1709.8, 7th Edition (2020) Florida Building Code.
5. Site conditions that deviate from the details of Installation Instructions **ATR110** require further engineering analysis by a licensed engineer or registered architect.
6. See Installation Instructions **ATR110** for size and design pressure limitations.



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Referenced Code Sections: 1. Section 1709.8, 7th Edition (2020) Florida Building Code

Analysis:

The following horizontal & vertical one-way & two-way **clipped mullions** were analyzed to a maximum design pressure of +/- 150 PSF to comply with the 7th Edition (2020) Florida Building Code, Section 1709.8:

1. Standard End Clip
2. Offset End Clip
3. U-Clip

Installation:

Refer to Installation Instructions (**ATR110**) for anchor locations, design load tables, and further details of the installation requirements.

Conclusion:

All horizontal & vertical one-way & two-way **clipped mullions** evaluated meet the requirements for use as outlined by section 1709.8 of the 7th Edition (2020) Florida Building Code.