



# BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

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## Product Evaluation Report *of*

**Eastern Architectural Systems, Inc.  
HVHZ Clipped Aluminum Bay/Bow Mullions**

*for*

**Florida Product Approval**

**FL# FL**

**Report No. 3286**

**Florida Building Code 2010  
Per Rule 61G20-3**

**Method: 1 – A (Certification)**  
**Category: Windows**  
**Sub – Category: Mullions**

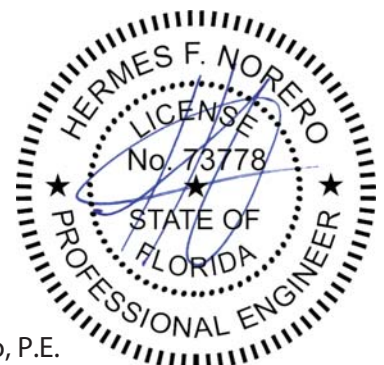
**Product: *HVHZ Clipped Aluminum  
Bay/Bow Mullions***  
**Material: Aluminum 6005-T5 & 6063-T6**

**Prepared For:**  
**Eastern Architectural Systems**  
**10030 Bavaria Road**  
**Ft Myers, FL 33913**

**Prepared by:**  
**Hermes F. Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 10/15/2014

Contents:  
Evaluation Report      Pages 1 – 4

Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2014.12.23 14:59:20 -05'00'



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



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**Manufacturer:** Eastern Architectural Systems, Inc.

**Product Category:** Windows

**Product Sub-Category:** Mullions

**Compliance Method:** State Product Approval Rule 61G20-3

**Product Name:** HVHZ Clipped Aluminum Bay/Bow Mullions

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Eastern Architectural Systems, Inc.** based on Rule Chapter No. 61G20-3, Method 1a of the State of Florida Product Approval, 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 2010 Florida Building Code.

See Installation Instructions **PA-0004**, 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 2010 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 Section 1609.1.2 of the 2010 Florida Building Code and **does not require** an impact resistant covering. Individual window units must be impact rated where applicable.
4. Site conditions that deviate from the details of drawing **PA-0004** require further engineering analysis by a licensed engineer or registered architect.
5. All configurations shown in installation instructions **PA-0004** have been qualified as required by section 1715.5.5 of the 2010 FBC.
6. See Installation Instructions **PA-0004** for size and design pressure limitations.

Hermes F. Norero, P.E.

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**Certification Agency:**

The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code and Rule 61G20-3 for manufacturing under a Certification Agency through **Keystone Certifications, Inc.** (FBC Organization #: CER1523).

**Referenced Code Sections:**

1. 1715.5.5 of the 2010 FBC

**Referenced Data:**

1. Product Testing performed by:  
**Certified Testing Laboratories**  
(FBC Organization #: TST1577)  
Report #: CTLA 3010W-4                      Report Date: 07/18/14  
Report #: CTLA 3010W-4A                  Report Date: 07/18/14  
Report #: CTLA 3010W-5                      Report Date: 07/18/14  
Report #: CTLA 3010W-5A                  Report Date: 07/18/14  
Report #: CTLA 3010W-6                      Report Date: 07/18/14  
Report #: CTLA 3010W-6A                  Report Date: 07/18/14  
Report #: CTLA 3010W-7                      Report Date: 07/18/14  
Report #: CTLA 3010W-7A                  Report Date: 07/18/14  
Report #: CTLA 3010W-10                      Report Date: 09/22/14  
Report #: CTLA 3010W-10A                  Report Date: 09/22/14
2. Certification Agency  
**Keystone Certifications, Inc.**  
(FBC Organization #: CER1523)



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- Installation:**
1. Approved anchor types and substrates are as follows:
    - A. For two by (2X) wood frame substrate, use **#14 Wood Screw** type wood frame anchors of sufficient length to achieve minimum embedment of 1.50" into wood framing.
    - B. For concrete or masonry substrate where one by (1X), non-structural, wood bucking is employed, use **1/4" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.
    - C. For concrete or masonry substrate where wood bucking is NOT employed, use **1/4" diameter ITW Tapcon** type concrete screw anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.
    - D. For metal stud substrate, use **1/4" Grade 5 self-drilling screw** type metal frame anchors of sufficient length to achieve a minimum three threads penetration beyond metal structure.

Refer to Installation Instructions (**PA-0004**) for anchor locations, design load tables, and further details of the installation requirements.

**Design Pressure:**

See drawing **PA-0004** for mullion desing pressure tables, mullion profiles, and installation details.