



BUILDING DROPS

A Perfect Solution in Every Drop!

Certificate of Authorization: 29578

398 East Dania Beach Blvd.
Suite 338
Dania Beach, FL 33004
954.399.8478 PH
954.744.4738 FX
contact@buildingdrops.com

Product Evaluation Report

of

**Eastern Architectural Systems
HVHZ Clipped Aluminum Tube Mullions**

for

Florida Product Approval

FL# FL17472

Report No. 5505

6th Edition (2017) Florida Building Code

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

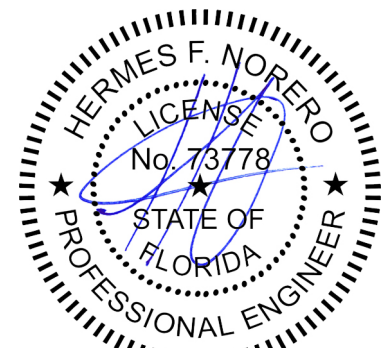
**Product: HVHZ Clipped Aluminum
Tube Mullions**

Material: Aluminum 6005-T5 & 6063-T6

Prepared for:
Eastern Architectural Systems
16341 Domestic Ave.
Ft Myers, FL 33912

Prepared by:
Hermes F. Norero, P.E.
Florida Professional Engineer # 73778
Date: 02/06/18

Contents:
Evaluation Report Pages 1 – 4



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



BUILDING DROPS

A Perfect Solution in Every Drop!

Certificate of Authorization: 29578

FL#: FL17472

Date: 02/06/18

Report No: 5505

Manufacturer: Eastern Architectural Systems

Product Category: Windows

Product Sub-Category: Mullions

Compliance Method: State Product Approval Method 1a

Product Name: HVHZ Clipped Aluminum Tube Mullions

Scope: This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Eastern Architectural Systems** based on 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 6th Edition (2017) Florida Building Code.

See Installation Instructions **PA-0003**, 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 6th Edition (2017) 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 6th Edition (2017) 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-0003** require further engineering analysis by a licensed engineer or registered architect.
5. All configurations shown in installation instructions **PA-0003** have been qualified as required by Section 1709.8 of the 6th Edition (2017) Florida Building Code.
6. See Installation Instructions **PA-0003** for size and design pressure limitations.

Hermes F. Norero, P.E.

Florida No. 73778

Page 2 of 4



BUILDING DROPS

A Perfect Solution in Every Drop!

Certificate of Authorization: 29578

FL#: FL17472

Date: 02/06/18

Report No: 5505

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

Referenced Code Sections:

1. 1709.8 of the 6th Edition (2017) 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-8 Report Date: 07/18/14
Report #: CTLA 3010W-8A Report Date: 07/18/14
Report #: CTLA 3010W-9 Report Date: 07/18/14
Report #: CTLA 3010W-9A Report Date: 07/18/14
TAS Reports Signed and Sealed by: Ramesh Patel, PE 20224
2. Certification Agency
Keystone Certifications, Inc.
(FBC Organization #: CER1523)



BUILDING DROPS

A Perfect Solution in Every Drop!

Certificate of Authorization: 29578

FL#: FL17472

Date: 02/06/18

Report No: 5505

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-0003**) for anchor locations, design load tables, and further details of the installation requirements.

Design Pressure:

See drawing **PA-0003** for mullion desing pressure tables, mullion profiles, and installation details.

Hermes F. Norero, P.E.

Florida No. 73778

Page 4 of 4