



# BUILDING DROPS

A Perfect Solution in Every Drop

Certificate of Authorization: 29578

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## Product Evaluation Report

*of*

**Air Master Awning, LLC  
Horizontal Rolling Window with Insulated Glass  
HVHZ Impact Rated**

*for*

**Florida Product Approval**

**Report No. 4424**

**Current Florida Building Code**

**Method: 1 – A (Certificate Method)**  
**Category: Windows**  
**Sub – Category: Horizontal Slider**

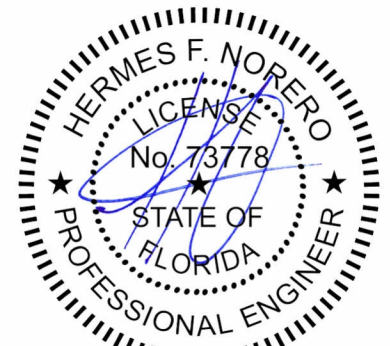
**Product: Horizontal Rolling Window with Insulated Glass**  
**Material: 6063-T5 Aluminum**  
**Product Dimensions: 74.0” x 63.0”**

**Prepared for:**  
**Air Master Awning, LLC**  
**Road PR #2 interior KM 56.7**  
**Barceloneta, PR 00617**

**Prepared by:**  
**Hermes F. Norero, P.E.**  
Florida Professional Engineer # 73778  
Date: 07/26/2016

Contents:

Evaluation Report Pages 1 – 4  
Digitally signed by Hermes F. Norero, P.E.  
Reason: I am approving this document  
Date: 2016.08.25 16:58:21 -04'00'



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



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**Manufacturer:** Air Master Awning, LLC

**Product Category:** Windows

**Product Sub-Category:** Horizontal Slider

**Compliance Method:** State Product Approval Method (1)(a)

**Product Name:** Horizontal Rolling Window with Insulated Glass  
HVHZ Impact Rated

**Scope:** This is a Product Evaluation Report issued by Hermes F. Norero, P.E. (FL # 73778) for **Air Master Awning, LLC** based on Method 1a of the State of Florida Product Approval, Florida Department of Business & 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 **AIR009**, 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, 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 current Florida Building Code and does not require an impact resistant covering.
4. Site conditions that deviate from the details of drawing **AIR009** require further engineering analysis by a licensed engineer or registered architect.
5. See Installation Instructions **AIR009** for size and design pressure limitations.

Hermes F. Norero, P.E.

Florida No. 73778

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**Certification Agency:** The manufacturer has demonstrated compliance of products in accordance with the Florida Building Code for manufacturing under a program audited by and approved by **National Accreditation and Management Institute** (FBC Org. #: CER1773).

**Performance Standards:** The product described herein has been tested per:

- TAS 201-94
- TAS 202-94
- TAS 203-94

**Referenced Data:**

1. Product Testing performed by **Blackwater Testing Inc.**  
(FBC Organization # TST10394)  
Report: BT-AM-16-001, Report Date: 05/24/2016
2. Certification Agency  
**National Accreditation and Management Institute**  
(FBC Organization #CER1773)
3. Material Certification  
**Miami-Dade RER – Product Control Section**  
Saflex Interlayer by Eastman Chemical Co.



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

**Through Frame Installation:**

- A. For two by (2X) wood buck substrate (Min. S.G. = 0.55), use **#12 Wood Screw** installation anchors of sufficient length to achieve a minimum embedment of 1.50" into the wood substrate.
- B. For concrete (Min.  $f'c = 3000$  psi) or grout filled masonry (Conforms to ASTM C90) substrate where one by (1X), non-structural, wood bucking is employed, use **1/4" diameter Elco Ultracon** anchors of sufficient length to achieve minimum embedment of 1.25" into concrete or masonry.

Refer to Installation Instructions (**AIR009**) for anchor spacing and more details of the installation requirements.

**Design Pressure:**

Configuration	Size	Design Pressure
OX	74.0" x 63.0"	+70/-70 PSF