

*L. Roberto Lomas P.E.*

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## Engineering Evaluation Report

Report No.: 511490A

**Manufacturer:** Eastern Architectural Systems  
16341 Domestic Ave.  
Ft. Myers, FL 33912

**Product Line:** Series 4241 HR PVC Horizontal Sliding Window - LMI

**Compliance:**

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61G20-3.005 method 1(a). The product listed herein complies with requirements of the Florida Building Code

**Supporting Technical Documentation:**

1. Approval document: drawing number 08-00937 Revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: CTLA 2062W-9 signed and sealed by Ramesh Patel, P.E.  
Certified Testing Laboratories, Orlando, FL.  
ASTM E1886-05 and ASTM E1996-05  
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4  
ASTM E1886/ E1996 Cyclic Load Test,  $\pm 50.0$ psf design pressure
3. Test report No.: ATI 99105.03-501-47 signed by Lynn George.  
Architectural Testing, Springdale, PA  
AAMA/WDMA/CSA 101/I.S.2/A440-05  
Design pressure: +55.17/-80.25psf  
Water penetration resistance 8.36psf
4. Anchor calculation, report number 511490-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

**Limitations and Conditions of use:**

- Maximum design pressure:  $\pm 50.0$ psf
- Maximum unit size: 71 1/2" x 59 1/2"
- Approved configurations: XO, OX
- Units must be glazed per ASTM E1300-04, refer to installation instructions for details.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame and sash material to be extruded rigid PVC.

**Installation:** Units must be installed in accordance with approval document, 08-00937 Revision A.

**Certification of Independence:** Please note that I don't have nor will acquire a financial interest in any company manufacturing or distributing the product(s) for which this report is being issued. Also, I don't have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

