L. Roberto Lomas P.E.

Engineering Evaluation Report

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Report No.: 511490D

Manufacturer: Eastern Architectural Systems

16341 Domestic Ave. Ft. Myers, FL 33912

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

Compliance:

The product listed herein complies with requirements of the Florida Building Code

Supporting Technical Documentation:

- Approval document: drawing number 08-00937 Revision D, prepared, signed and sealed by Luis Roberto Lomas P F
- 2. Test report No.: CTLA 2062W-9 signed and sealed by Ramesh Patel, P.E.

Certified Testing Laboratories, Orlando, FL.

ASTM E1886/ E1996

Large Missile Impact, Level D, Wind Zone 4 Cyclic Load Test, ±50.0psf 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

Design pressure: +55.17/-80.25psf

Water penetration resistance 8.36psf

4. Report No.: ESP014366P-2_3002W-2 signed and sealed by Ramesh C. Patel P.E.

Element Materials Technology, Wausau, WI

ASTM E1886 and ASTM E1996

Large Missile Impact, Level D, Wind Zone 4 Cyclic Load Test, ±50.0psf design pressure

AAMA/WDMA/CSA 101/I.S.2/A440

Design pressure: ±50.0psf Water penetration resistance: ±2.0psf

5. Anchor calculation, report number 511490-1C, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

• Design pressure: ±50.0psf

Unit size: 71 1/2" x 59 1/2"
Approved configurations: XO, OX

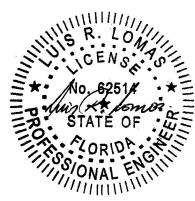
- Units must be glazed per ASTM E1300 according to glazing details in approval drawing.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame and sash material to be extruded rigid PVC.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-00937 Revision D.

Certification of Independence:

Please note that I do not 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 do not have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).



Luis R. Lomas, P.E. FL No.: 62514 01/15/2023