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Engineering Evaluation Report

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:

1. Approval document: drawing number 08-00937 Revision D, 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/ E1996
Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ± 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
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, ± 50.0 psf design pressure
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ± 50.0 psf
Water penetration resistance: 12.0psf
5. Anchor calculation, report number 511490-1C, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Design pressure: ± 50.0 psf
- 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).

