L. Roberto Lomas P.E.

Engineering Evaluation Report

233 W. Main St Danville, VA 24541 434-688 0609 rllomas@lrlomaspe.com

Report No.: 513306A

Manufacturer: Eastern Architectural Systems

16341 Domestic Ave. FT Myers, FL 33912

Product Line: Series 176 SS Vinyl Horizontal Sliding Window – XOX – 1/3 – 1/3 – 1/3

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:

 Approval document: drawing number 08-02534 Revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.

2. Test report No.: CTLA 3005W-1A signed and sealed by Ramesh Patel P.E.

Certified Testing Laboratories, Orlando, FL AAMA/WDMA/CSA 101/I.S.2/A440-05/08/11

Design pressure: +65.0/-85.0psf (Through frame installation)

+60.0/-70.0psf (Fin installation)

Water penetration resistance 10.5psf ASTM E1886-05 and ASTM E1996-09

ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4

ASTM E1886/ E1996 Cyclic Load Test, +70.0/-85.0psf (Through frame and fin installation) design pressure

B. Test report No.: CTLA 3005W-1D signed and sealed by Ramesh Patel P.E.

Certified Testing Laboratories, Orlando, FL

TAS 202

Design pressure: +65.0/-85.0psf (Through frame installation)

+60.0/-70.0psf (Fin installation)

Water penetration resistance 10.5psf

TAS 201 and TAS 203

TAS 201/TAS203 Large Missile Impact, Level D, Wind Zone 4

TAS 201/TAS 203 Cyclic Load Test, +70.0/-85.0psf (Through frame and fin installation) design pressure 4. Anchor calculations, report number 513306-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

• Maximum design pressure: +65.0/-85.0psf (Through frame installation)

+60.0/-70.0psf (Fin installation)

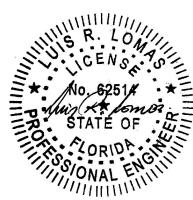
Maximum unit size: 111" X 63"

Approved Configurations: XOX (1/3 – 1/3 – 1/3)

- Units must be glazed per ASTM E1300-04, refer to installation drawing for details.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be extruded vinyl.

Installation: Units must be installed in accordance with approval document, 08-02534 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).



Luis R. Lomas, P.E. FL No.: 62514 06/22/2015