

*L. Roberto Lomas P.E.*

1432 Woodford Rd.  
Lewisville, NC 27023  
434-688 0609  
rlomas@lrlomaspe.com

## Engineering Evaluation Report

Report No.: 513306C

**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:**

1. Approval document: drawing number 08-02534 Revision B, 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  
Design pressure: +65.0/-85.0psf (Through frame installation)  
+60.0/-70.0psf (Fin installation)  
Water penetration resistance 10.5psf  
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4  
Cyclic Load Test, +70.0/-85.0psf (Through frame and fin installation) design pressure
3. 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/TAS203 Large Missile Impact, Level D, Wind Zone 4  
Cyclic Load Test, +70.0/-85.0psf (Through frame and fin installation) design pressure
4. Anchor calculations, report number 513306-1A, 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 according to glazing details in approval drawing.
- 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 manufacturer's installation instructions and approval document 08-02534 Revision B.

### **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).

