

*L. Roberto Lomas P.E.*

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## Engineering Evaluation Report

Report No.: 513310A

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

**Product Line:** Series 176 SS Vinyl Horizontal Sliding Window – XO, OX

### **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 08-02537 Revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: CTLA 3005W-3A 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: +70.0/-85.0psf  
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 design pressure
3. Test report No.: CTLA 3005W-3D signed and sealed by Ramesh Patel P.E.  
Certified Testing Laboratories, Orlando, FL  
TAS 202  
Design pressure: +70.0/-85.0psf  
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 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: +70.0/-85.0psf
- Maximum unit size: 74" X 63"
- Approved Configurations: XO, OX
- 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, 08-02537 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).

