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## Engineering Evaluation Report

Report No.: 512463D

**Manufacturer:** Eastern Architectural Systems  
16341 Domestic Avenue  
Ft Myers, FL 33912

**Product Line:** Series 143 Vinyl Impact Casement Window

### **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 current Florida Building Code.

### **Supporting Technical Documentation:**

1. Approval document: drawing number 08-01779 Revision D, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: ESP101311P-4 signed and sealed by Ramesh C. Patel, P.E  
Element Materials Technology, Wausau, WI  
AAMA/WDMA/CSA 101/I.S.2/A440  
Design pressure:  $\pm 70.0$  psf                      Water penetration resistance: 12.0psf  
ASTM E1886/E1996 Large Missile Impact, Level D, Wind Zone 4  
Cyclic Load Test.:  $\pm 70.0$ psf design pressure
3. Report No.: ESP101311P-5 signed and sealed by Ramesh C. Patel, P.E  
Element Materials Technology, Wausau, WI  
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4  
TAS 202 Uniform Static Air Pressure,  $\pm 70.0$ psf design pressure  
TAS 203 Cyclic Pressure loading,  $\pm 70.0$ psf
4. Report No.: ESP101311P-6 signed and sealed by Ramesh C. Patel, P.E  
Element Materials Technology, Wausau, WI  
AAMA/WDMA/CSA 101/I.S.2/A440  
Design pressure:  $\pm 70.0$  psf                      Water penetration resistance: 12.0psf  
ASTM E1886/E1996 Large Missile Impact, Level D, Wind Zone 4  
Cyclic Load Test.:  $\pm 70.0$ psf design pressure
5. Report No.: ESP101311P-7 signed and sealed by Ramesh C. Patel, P.E  
Element Materials Technology, Wausau, WI  
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4  
TAS 202 Uniform Static Air Pressure,  $\pm 70.0$ psf design pressure  
TAS 203 Cyclic Pressure loading,  $\pm 70.0$ psf
6. Anchor calculations, report number 512463-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

### **Limitations and Conditions of use:**

- Maximum design pressure:  $\pm 70.0$ psf
- Maximum unit size: 37"x 76"
- Units must be glazed per ASTM E1300 according with glass 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 rigid PVC.

### **Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-01779, Revision D.

### **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).

