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## Engineering Evaluation Report

Report No.: 513740B

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

**Product Line:** Series 2461 Vinyl Flange Frame Single Hung Window - Impact

### **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 08-02915 Revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report No: CTLA 2062W-8 signed and sealed by Ramesh Patel, P.E.  
Certified Testing Laboratories, Orlando, FL  
ASTM E1886/ E1996 Large Missile Impact Test, Level D, Wind Zone 4  
Cyclic Load Test,  $\pm 50.0$  psf. design pressure
3. Test Report No.: ESP009376P-8R signed and sealed by Ramesh Patel, P.E.  
Element Materials Technology, Wausau, WI  
AAMA/WDMA/CSA 101/I.S.2/A440  
Design pressure:  $\pm 50.0$ psf  
Water penetration resistance 7.5psf
4. Test report No.: BT-EAS-20-001 signed and sealed by Constantin Bortes P.E.  
Blackwater Technical Services Inc., West Palm Beach, FL  
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4  
TAS 202 Uniform Static Air Pressure,  $\pm 60.0$ psf design pressure, 9.0psf water penetration.  
TAS 203 Cyclic Pressure loading  $\pm 60.0$ psf design pressure
5. Anchor calculations and comparative analysis report number 513740-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

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

- Design pressure:  $\pm 50.0$ psf
- Unit size: 53 1/8" x 72"
- 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 material to be rigid PVC.

### **Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-02915 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).

