

*L. Roberto Lomas P.E.*

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## Engineering Evaluation Report

Report No.: 513447B

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

**Product Line:** Series FD8100 Aluminum Sliding Glass Door - 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 Florida Building Code.

### **Supporting Technical Documentation:**

1. Approval document: drawing number 08-02672, revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report No.: NCTL 210-3519-1A signed and sealed by Gerard J. Ferrara, P.E.  
National Certified Testing Laboratories, Orlando, FL  
AAMA/WDMA/CSA 101/I.S.2/A440  
Design pressure: ±50.0psf  
Water resistance: 9.0psf  
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4  
Cyclic Load Test, +100.0/-110.0psf design pressure
3. Test report No.: NCTL 210-3519-1 signed and sealed by Gerard J. Ferrara, P.E.  
National Certified Testing Laboratories, Orlando, FL  
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4  
TAS 202 Uniform Static Air Pressure, +100.0/-110.0psf design pressure, 10.5psf water penetration.  
TAS 203 Cyclic Pressure loading +100.0/-110.0psf design pressure
4. Anchor calculations, report number 513447-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

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

- Maximum design pressure: Refer to installation instructions.
- Maximum panel size: 60 1/8" x 108 1/8"
- 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 Aluminum 6063-T6.

### **Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-02672, 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).

