

L. Roberto Lomas P.E.

1432 Woodford Rd.
Lewisville, NC 27023
434-688-0609

Engineering Evaluation Report

Report No.: 513448A

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 08-02673, revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 210-3407-1 signed and sealed by Gerard J. Ferrara, P.E.
National Certified Testing Laboratories, Orlando, FL
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 -94 Uniform Static Air Pressure, +100.0/-110.0psf design pressure, 15.0psf water penetration.
Water resistance: With 1.675" Sill Riser = 6.0psf
With 2.675" Sill Riser = 10.45psf
With 3.675" Sill Riser = 15.0psf
TAS 203-94 Cyclic Pressure loading +100.0/-110.0psf design pressure
3. Anchor calculations, report number 513448-1A, 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: 49 1/2" x 106 1/4"
- Units must be glazed per ASTM E1300-04/09, 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 08-02673, 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).

