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

# **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.
- 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

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:

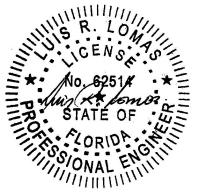
- Maximum design pressure: Refer to installation instructions.
- Maximum panel size: 60 1/8" x 108 1/8"
- Units must be glazed per ASTM E1300 according to glazing details in approval drawing.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact 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).



Luis R. Lomas, P.E. FL No.: 62514 10/19/2020