## L. Roberto Lomas P.E.

# **Engineering Evaluation Report**

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Report No.: 514633

**Manufacturer:** Eastern Architectural Systems

16341 Domestic Avenue Ft. Myers, FL 33912

Product Line: Series 650 Vinyl Sliding Glass Door with or without pocket CW-PG45 Impact

**Compliance:** The product mentioned above 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 08-03552, prepared, signed and sealed by Luis Roberto Lomas P.E.

2. Test report No.: NCTL-210-4143-03A signed by Christopher Bennet.

National Certified Testing Laboratories, Orlando, FL.

AAMA/WDMA/CSA 101/I.S.2/A440 Design pressure: ±45.0psf

Water penetration resistance: 6.75psf without sill riser

9.0psf (with 0.522" sill riser) 12.0psf (with 1.44" sill riser) 15.0psf (with 1.94" sill riser)

ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 3 ASTM E1886/ E1996 Cyclic Load Test, ±50.0psf design pressure Test report No.: NCTL-210-4164-02 signed by Christopher Bennet.

National Certified Testing Laboratories, Orlando, FL.

AAMA/WDMA/CSA 101/I.S.2/A440 Design pressure: ±45.0psf

Water penetration resistance: 9.0psf (with 0.522" sill riser)

12.0psf (with 1.44" sill riser) 15.0psf (with 1.94" sill riser)

ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 3 ASTM E1886/ E1996 Cyclic Load Test, ±50.0psf design pressure

4. Anchor calculations, report number 514633-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

#### Limitations and Conditions of use:

Maximum design pressure: ±45.0psf

• Panel size: 50 1/4" x 92 11/16"

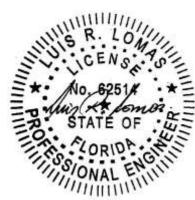
- Units must be glazed per ASTM E1300-04/09 according to glazing details in approval drawing.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and requires impact protection in wind borne debris regions up to wind zone 3.
- Frame material to be Vinyl PVC.
- Approved configurations: Multiple panels in 2track, 3track or 4track are approved as long as individual panel area
  does not exceed 32.38 ft².
- Units must be installed with 0.522" or 1.44" or 1.94" sill riser.

## Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03552.

### 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 09/09/2020