## L. Roberto Lomas P.E.

# **Engineering Evaluation Report**

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**Report No.: 512562B** 

**Manufacturer:** Eastern Architectural Systems

16341 Domestic Ave Fort Myers, FL 33912

**Product Line:** Series 400 Impact Tilt and Turn Window – 48" x 71"

### 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 08-01873, Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 2. Report No.: ESP009981P-8 signed by Ramesh C. Patel P.E.

Element Materials Technology, Wausau, WI AAMA/WDMA/CSA 101/I.S.2/A440-05

Design pressure: +100.0/-105.0psf

Water penetration resistance 7.5psf ASTM E1886-05 and ASTM E1996-06

ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4 ASTM E1886/ E1996 Cyclic Load Test, ±50.0psf design pressure

3. Report No: ESP009981P-9 signed and sealed by Ramesh C. Patel P.E.

Element Materials Technology, Wausau, WI

TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4

TAS 202-94 Uniform Static Air Pressure, +100.0/-105.0psf design pressure, water penetration resistance: ±15.0psf TAS 203-94 Cyclic Pressure loading +100.0/-105.0psf design pressure.

4. Anchor calculations, report number 512562-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.

### Limitations and Conditions of use:

Maximum design pressure: +100.0/-105.0psf

• Maximum unit size: 48" x 71"

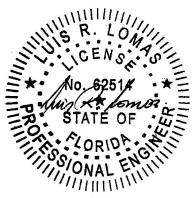
- Units must be glazed per ASTM E1300-04/09, according to glazing details in approval drawing.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be rigid PVC.

### Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-01873, Revision B.

### 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 01/08/2018