L. Roberto Lomas P.E.

Engineering Evaluation Report

Report No.: 513739B

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Manufacturer: Eastern Architectural Systems

16341 Domestic Ave. FT Myers, FL 33912

Product Line: Series 2451 Vinyl Fin Frame Single Hung Window – 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 current Florida Building Code.

Supporting Technical Documentation:

- Approval document: drawing number 08-02914 Revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 2. Test Report No: CTLA 2062W-8 signed and sealed by Ramesh Patel, P.E.

Certified Testing Laboratories, Orlando, FL

ASTM E1886/ E1996 Large Missile Impact Test, Level D, Wind Zone 4

Cyclic Load Test, ±50.0 psf. design pressure

3. Test Report No.: ESP009376P-10R signed and sealed by Ramesh Patel, P.E.

Element Materials Technology, Wausau, WI

AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ±50.0psf
Water penetration resistance 7.5psf

4. Test report No.: BT-EAS-20-001 signed and sealed by Constantin Bortes P.E.

Blackwater Technical Services Inc., West Palm Beach, FL TAS 201 Large Missile Impact Test, Level D, Wind Zone 4

TAS 202 Uniform Static Air Pressure, ±60.0psf design pressure, 9.0psf water penetration.

TAS 203 Cyclic Pressure loading ±60.0psf design pressure

Anchor calculations and comparative analysis, report number 513739-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

Design pressure: ±50.0psf
 Unit size: 47 ½" x 71 ½"

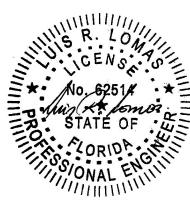
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be extruded Vinyl.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-02914 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 04/29/2021