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Engineering Evaluation Report

Report No.: 513739B

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:

1. 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: ± 50.0 psf
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, ± 60.0 psf design pressure, 9.0psf water penetration.
TAS 203 Cyclic Pressure loading ± 60.0 psf design pressure
5. 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: ± 50.0 psf
- Unit size: 47 1/2" x 71 1/2"
- 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).

