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Engineering Evaluation Report

Report No.: 513043D

Manufacturer: Eastern Architectural Systems
16341 Domestic Ave.
FT Myers, FL 33912

Product Line: Series 176 PW Fixed Window 72" x 63" Impact HVHZ

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 08-02294 Revision C, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: ESP011976P-1 & 3 signed and sealed by Ramesh C. Patel P.E.
Element Materials Technology, Wausau, WI
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ±125.0psf
Water penetration resistance 15.0psf
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ±80.0psf design pressure
3. Report No: ESP011976P-1D & 3D signed and sealed by Ramesh C. Patel P.E.
Element Materials Technology, Wausau, WI
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 Uniform Static Air Pressure, ±125.0psf design pressure, water penetration resistance: ±15.0psf
TAS 203 Cyclic Pressure loading ±80.0psf design pressure.
4. Anchor calculations, report number 513043-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ±80.0psf
- Maximum unit size: 72" x 63"
- 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 rigid PVC.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-02294 Revision C.

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).

