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Engineering Evaluation Report

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).

