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Engineering Evaluation Report

Report No.: 513790

Manufacturer: Eastern Architectural System
16341 Domestic Ave.
Fort Meyers, FL 33912

Product Line: 176 HVHZ T-Mullion, Large and Small Missile 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 Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-02950, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 210-4032-02 signed and sealed by Gerard J. Ferrara P.E.
National Certified Testing Laboratories, York, PA
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4, Mullion impacted with #2 SYP 2x4, 92" long, 9lbs at 50 ft/sec.
TAS 202 -94 Uniform Static Air Pressure, ± 60.0 psf design pressure, 16.5psf water penetration.
TAS 203-94 Cyclic Pressure loading ± 60.0 psf design pressure
3. Mullion analysis with Anchor calculations, report number 513790-1, per AAMA 450-10 option 1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: Refer to charts in approval document.
- Maximum mullion span: 108"
- Maximum single fenestration tributary width: 54"
- 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.
- Mullion material to be extruded Aluminum 6063-T6.
- Clip material to be extruded Aluminum 6063-T6.
- Fenestration units attached to mullion must have their own separate approval.
- Design pressure of mullion units shall be controlled by the lesser design pressure of the assembly components; the mullion or the individual units.

Installation: Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-02950.

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).

