

L. Roberto Lomas P.E.

1432 Woodford Rd.  
Lewisville, NC 27023  
434-688-0609  
Rllomas@lrlomaspe.com

## Engineering Evaluation Report

Report No.: 513791

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

**Product Line:** 176 HVHZ X-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 08-02951, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 210-4032-03 signed and sealed by Gerard J. Ferrara P.E.  
National Certified Testing Laboratories, Orlando, FL  
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,  $\pm 25.7$ psf design pressure, 3.85psf water penetration.  
TAS 203-94 Cyclic Pressure loading  $\pm 25.7$ psf design pressure
3. Mullion analysis with Anchor calculations, report number 513791-1, 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 height: 120"
- Maximum single fenestration width: 72"
- 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.
- Vertical units may be mulled indefinitely as long as maximum unit size is not exceeded.
- Design pressure of mulled 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, 08-02951.

**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).

