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Engineering Evaluation Report

Report No.: 513067B

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

Product Line: Series 3000 Aluminum Flange Frame Impact Fixed Window – HVHZ - PVB

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 08-02310 Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: CTLA 3010W-2 & -3 signed and sealed by Ramesh Patel P.E.
Certified Testing Laboratories, Orlando, FL
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202-94 Uniform Static Air Pressure, ± 70.0 psf design pressure, 15.0psf water penetration (120"x48")
 $+85.0/-90.0$ psf design pressure, 15.0psf water penetration (48"x54")
TAS 203-94 Cyclic Pressure loading ± 70.0 psf (120"x48")
 $+85.0/-90.0$ psf (48"x54")
3. Report No.: CTLA 3010W-2A & -3A signed and sealed by Ramesh Patel P.E.
Certified Testing Laboratories, Orlando, FL
AAMA/WDMA/CSA 101/I.S.2/A440-11
Design pressure: ± 70.0 psf (120"x48")
 $+85.0/-90.0$ psf (48"x54")
Water penetration resistance 15.0psf
ASTM E1886-05 and ASTM E1996-09
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
ASTM E1886/ E1996 Cyclic Load Test, ± 70.0 psf (120"x48")
 $+85.0/-90.0$ psf (48"x54")
4. Anchor calculations, report number 513067-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ± 70.0 psf (120"x48")
 $+85.0/-90.0$ psf (48"x54")
- Maximum unit size: 120" x 48" and 48" x 54"
 - 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 aluminum.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-02310 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).

