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Engineering Evaluation Report

Report No.: 514776B

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

Product Line: Series 176 SH Oriel PVB and SG Single Hung Window

Compliance:

The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-03660 Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: BT-EAS-20-001 signed and sealed by Constantin Bortes P.E.
Blackwater Technical Services Inc., West Palm Beach, FL
TAS 201/TAS 203
Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading ± 60.0 psf design pressure
TAS 202
Uniform Static Air Pressure, ± 60.0 psf design pressure, 9.0psf water penetration.
3. Test report No.: CTLA 3005WD signed and sealed by Ramesh Patel P.E.
Certified Testing Laboratories, Orlando, FL
TAS 201/TAS 203
Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading $+70.0/-85.0$ psf design pressure
TAS 202
Uniform Static Air Pressure, $+70.0/-85.0$ psf design pressure, 10.5psf water penetration.
4. Anchor calculations, report number 514776-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.
5. Comparative analysis, report number 514776-2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Design pressure: ± 60.0 psf
- Unit size: 53" x 75"
- 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 From Deceuninck North America AAMA Certified (DEP-1).
- Glass interlayer complies with the requirements of the Florida Building Code, according to Miami-Dade for Kuraray interlayers

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03660, Revision B.

Certification of Independence:

Please note that I do not 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 do not have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

