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## Engineering Evaluation Report

Report No.: 513067E

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

**Product Line:** Series 3000 Aluminum Fixed Window, Impact HVHZ PVB

**Compliance:**

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

**Supporting Technical Documentation:**

1. Approval document: drawing number 08-02310 Revision D, 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/TAS203 Large Missile Impact Test, Level D, Wind Zone 4  
Cyclic Pressure loading  $\pm 70.0$ psf (120"x48") and +85.0/-90.0psf (48"x54")  
TAS 202 Uniform Static Air Pressure,  $\pm 70.0$ psf design pressure, 15.0psf water penetration (120"x48")  
+85.0/-90.0psf design pressure, 15.0psf water penetration (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  
Design pressure:  $\pm 70.0$ psf (120"x48") and +85.0/-90.0psf (48"x54")  
Water penetration resistance 15.0psf  
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4  
Cyclic Load Test,  $\pm 70.0$ psf (120"x48") and +85.0/-90.0psf (48"x54")
4. Test report No.: BT-EAS-20-001 signed and sealed by Constantin Bortes P.E.  
Blackwater Technical Services Inc., West Palm Beach, FL  
(For IG glass consisting of 1/8" Ann – air – 3/16" Ann - .090" PVB by Kuraray – 3/16" Ann)  
TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4  
Cyclic Pressure loading  $\pm 60.0$ psf design pressure  
TAS 202 Uniform Static Air Pressure,  $\pm 60.0$ psf design pressure, 9.0psf water penetration.
5. Test report No.: BT-EAS-17-003 signed and sealed by Constantin Bortes P.E.  
Blackwater Technical Services Inc., West Palm Beach, FL  
(For monolithic glass 3/16" Ann - .090" Saflex by Eastman – 3/16" Ann and IG glass consisting of 3/16" Temp – air – 3/16" Ann - .090" Saflex by Eastman – 3/16" Ann)  
TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4  
Cyclic Pressure loading  $\pm 60.0$ psf design pressure  
TAS 202 Uniform Static Air Pressure,  $\pm 60.0$ psf design pressure, 9.0psf water penetration.
6. Anchor calculations, report number 513067-1C, prepared, signed and sealed by Luis Roberto Lomas P.E.

**Limitations and Conditions of use:**

- Design pressure: Refer to approval drawing
- Unit size: 120" x 48" and 48" x 54"
- 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 aluminum.

**Installation:** Units must be installed in accordance with manufacturer's installation instructions and approval document 08-02310 Revision D.

**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).

