## L. Roberto Lomas P.E.

**Engineering Evaluation Report** 

208 7th Ave

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**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:

 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 ±70.0psf (120"x48") and +85.0/-90.0psf (48"x54")

TAS 202 Uniform Static Air Pressure, ±70.0psf 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: ±70.0psf (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, ±70.0psf (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 ±60.0psf design pressure

Uniform Static Air Pressure, ±60.0psf 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 ±60.0psf design pressure

TAS 202 Uniform Static Air Pressure, ±60.0psf 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:

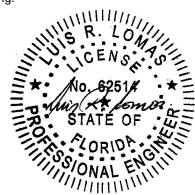
**TAS 202** 

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).



Luis R. Lomas, P.E. FL No.: 62514 11/06/2023