## L. Roberto Lomas P.E.

# **Engineering Evaluation Report**

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**Report No.: 510952C** 

**Manufacturer:** Eastern Architectural Systems

16341 Domestic Ave. FT Myers, FL 33912

**Product Line:** Series 2456 Vinyl Impact Fixed Window – 64" x 84"

#### Compliance:

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

## Supporting Technical Documentation:

 Approval document: drawing number 08-00563, Revision D, prepared, signed and sealed by Luis Roberto Lomas P.F.

2. Report No.: 68098.03-701-47 signed by Michael L. Mackereth

Architectural Testing, Inc., York, PA
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ±80.0psf
Water penetration resistance 12.0psf

3. Report No.: CTLA-2062W-4 signed and sealed by Ramesh C. Patel P.E.

Certified Testing Laboratories, Orlando, FL

ASTM E1886/ E1996

Large Missile Impact, Level D, Wind Zone 4 Cyclic Load Test, ±50.0psf design pressure

4. Test report No.: CTLA 3010W-2 & -3 signed and sealed by Ramesh Patel P.E.

Certified Testing Laboratories, Orlando, FL

(For IG glass consisting of 3/16" HS - .090" PVB by Kuraray – 3/16" HS – air – 3/16" Ann)

TAS 201/TAS203 Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading ±70.0psf (120"x48")

+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")

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

TAS 202 Uniform Static Air Pressure, ±60.0psf design pressure, 9.0psf water penetration.

6. Anchor calculations, report number 510952-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.

### Limitations and Conditions of use:

Design pressure: ±50.0psf
Unit size: ±64" x 84"

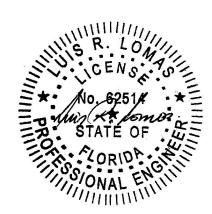
- Units must be glazed per ASTM E1300, see installation instructions for glass options.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be rigid PVC.

#### Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-00563, 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 11/01/2023