## L. Roberto Lomas P.E.

# **Engineering Evaluation Report**

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**Report No.: 510954D** 

**Manufacturer:** Eastern Architectural Systems

16341 Domestic Ave FT Myers, FL 33912

Product Line: 2466 Picture Window

#### Compliance:

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

## Supporting Technical Documentation:

 Approval document: drawing number 08-00565 revision D, prepared, signed and sealed by Luis Roberto Lomas P.E.

2. Test Report No.: CTLA-2062W-5 signed and sealed by Ramesh Patel, P.E.

Certified Testing Laboratories, Orlando, FL.

ASTM E1886/ E1996 Large Missile Impact Test, Level D, Wind Zone 4

Cyclic Load Test, ±60.0 psf design pressure

3. Test Report No.: ATI 68099.03-701-47 signed by Michael L. Mackereth

Architectural Testing, York, PA. AAMA/WDMA/CSA 101/I.S.2/A440

Design pressure: ±80.0psf Water penetration resistance 12.0psf

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/ TAS 203 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")

5. 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 510954-1C, prepared, signed and sealed by Luis Roberto Lomas P.E.

## Limitations and Conditions of use:

Design pressure: Refer to installation drawing

• Unit size: 64" x 84"

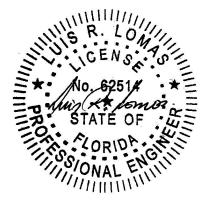
- Units must be glazed per ASTM E 1300. See installation instructions for details.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- PVC profiles certified by AAMA Deceunick North America DEP-1 and VBP-2

#### Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-00565, 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