

L. Roberto Lomas P.E.

208 7th Avenue
Indialantic, FL 32903
434-688 0609
rlomas@lrlomaspe.com

Engineering Evaluation Report

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:

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

