

L. Roberto Lomas P.E.

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Engineering Evaluation Report

Report No.: 513232A

Manufacturer: Eastern Architectural Systems
10030 Bavaria Rd
FT Myers, FL 33913

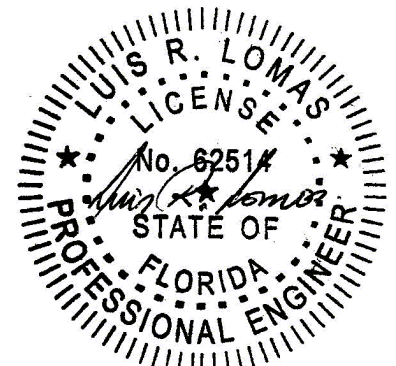
Product Line: Series FWI 1000 Aluminum Single Hung Window – Impact

Compliance:

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61G20-3.005 method 1(a). The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-02476, revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 210-3374-1 signed and sealed by Gerard J. Ferrara P.E.
National Certified Testing Laboratories, Orlando, FL
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 203-94 Cyclic Pressure loading ± 75.0 psf design pressure
3. Test report No.: NCTL 210-3753-1 signed and sealed by Gerard J. Ferrara P.E.
National Certified Testing Laboratories, Orlando, FL
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202-94 Uniform Static Air Pressure, +120.0/-150.0psf design pressure, 20.0psf water penetration.
TAS 203-94 Cyclic Pressure loading +120.0/-150.0psf design pressure
4. Test report No.: FTL 5682/11-749 signed by Manny Sanchez.
Fenestration Testing Laboratory, Medley, FL
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202-94 Uniform Static Air Pressure, +80.0/-100.0psf design pressure, 12.0psf water penetration.
TAS 203-94 Cyclic Pressure loading +80.0/-100.0psf design pressure
5. Test report No.: ESP009274P-10 signed and sealed by Ramesh C. Patel P.E.
Element Materials Technology, Wausau, WI
AAMA/WDMA/CSA 101/I.S.2/A440-05
Design pressure: +80.0/-100.0psf
Water penetration resistance 12.0psf
ASTM E1886-05 and ASTM E1996-05
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
ASTM E1886/ E1996 Cyclic Load Test, +80.0/-100.0psf design pressure
6. Test report No.: ESP009274P-11 signed and sealed by Ramesh C. Patel P.E.
Element Materials Technology, Wausau, WI
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202-94 Uniform Static Air Pressure, +80.0/-100.0psf design pressure, 12.0psf water penetration.
TAS 203-94 Cyclic Pressure loading +80.0/-100.0psf design pressure
7. Test report No.: FTL 07-311/5417/02 signed by Manny Sanchez.
Fenestration Testing Laboratory, Medley, FL
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202-94 Uniform Static Air Pressure, ± 60.0 psf design pressure, 9.0psf water penetration.
TAS 203-94 Cyclic Pressure loading ± 60.0 psf design pressure
8. Anchor calculations, report number 513166-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.



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Limitations and Conditions of use:

- Maximum design pressure: Refer to installation drawing.
- Maximum unit size: Refer to installation drawing.
- Units must be glazed per ASTM E1300-04/09, according with glass 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 extruded Aluminum 6063-T5.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-02476, revision A.

Certification of Independence:

Please note that I don't 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 don't have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

