

L. Roberto Lomas P.E.

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

Engineering Evaluation Report

Report No.: 515223

Manufacturer: Eastern Architectural Systems
16341 Domestic Ave
Ft Myers, FL 33912

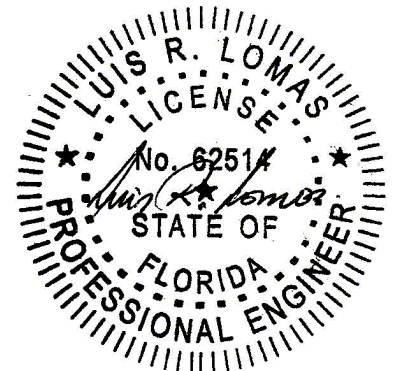
Product Line: Series 5000 Outswing Aluminum Single French Door - Impact

Compliance:

The product mentioned above complies with the requirements of the current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-03960, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: CTLA 3018WA signed and sealed by Ramesh C. Patel P.E.
Certified Testing Laboratories, Orlando, FL
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ±100.0psf
Water penetration resistance: 15.0psf (with 1-1/2" sill riser)
4.5psf (without sill riser)
ASTM E1886 & E1996
Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ±100.0psf design pressure
3. Test report No.: CTLA 3018WD signed and sealed by Ramesh C. Patel P.E.
Certified Testing Laboratories, Orlando, FL
TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4.
Cyclic Pressure loading ±100.0psf design pressure
TAS 202 Uniform Static Air Pressure, ±100.0psf design pressure,
Water penetration resistance: 15.0psf (with 1-1/2" sill riser adapter)
4.5psf (without a 1-1/2" sill riser adapter)
4. Test report No.: CTLA 3010W-2 & -3 signed and sealed by Ramesh Patel P.E.
TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4.
Cyclic Pressure loading ±70.0psf (120" x 48")
+85.0/-90.0psf (48" x 54")
TAS 202 Uniform Static Air Pressure, ±70.0psf design pressure, 15.0psf water penetration (120" x 48")
+85.0/-90.0psf design pressure, 15.0psf water penetration (48" x 54")
5. Test report No.: BT-EMS-17-003 signed and sealed by Robert H Zeiders P.E.
Blackwater Testing, Inc. West Palm Beach, FL.
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 and comparative analysis, report number 515223-1,
prepared, signed and sealed by Luis Roberto Lomas P.E.



L. Roberto Lomas P.E.

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

Engineering Evaluation Report

Report No.: 515223

Limitations and Conditions of use:

- Design pressure: ± 100.0 psf
- Unit size: 37 3/8" x 97 1/16"
- 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 6063-T6.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03960.

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).

