

L. Roberto Lomas P.E.

1432 Woodford Rd.
Lewisville, NC 27023
434-688-0609
rlomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 512227C

Manufacturer: US Aluminum – Division of C.R. Laurence Co., Inc.
780 CelRiver Road
Rock Hill, SC 29730

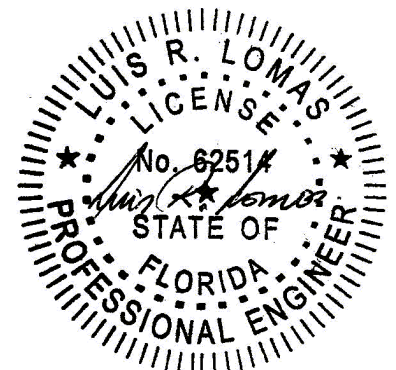
Product Line: BT601/IT600 Storm Front Aluminum Storefront - LMI

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

Supporting Technical Documentation:

- Approval document: drawing number 08-01578 revision C, prepared, signed and sealed by Luis Roberto Lomas P.E.
- Test report No.: ATLNC 1019.01-09 signed and sealed by David Johnson P.E.
American Test Lab, Inc., Brevard, NC
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 -94 (with AAMA501) Uniform Static Air Pressure, ± 65.0 psf design pressure, 12.0psf water penetration.
TAS 203-94 Cyclic Pressure loading ± 65.0 psf design pressure
AAMA/WDMA/CSA 101/I.S.2/A440-05
Design pressure: ± 65.0 psf
Water penetration resistance 12.0psf
ASTM E1886-05 and ASTM E1996-09
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
ASTM E1886/ E1996 Cyclic Load Test, ± 65.0 psf design pressure
- Test report No.: ATLNC 0727.01-10 signed and sealed by David Johnson P.E.
American Test Lab, Inc. Brevard, NC
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 -94 (with AAMA501) Uniform Static Air Pressure, ± 65.0 psf design pressure, 9.75psf water penetration.
TAS 203-94 Cyclic Pressure loading ± 65.0 psf design pressure
AAMA/WDMA/CSA 101/I.S.2/A440-05
Design pressure: ± 65.0 psf
Water penetration resistance 9.75psf
ASTM E1886-05 and ASTM E1996-05
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
ASTM E1886/ E1996 Cyclic Load Test, ± 65.0 psf design pressure
- I-Strut Testing
Test report ETC-07-1043-19094.0, signed and sealed by Joseph Labora Doldan P.E.
ETC Laboratories, Rochester, NY, ASTM D638
Tensile strength of unexposed samples 10,390psi
Tensile strength of 4500 hour Xenon Arc exposed samples 11,004psi
Test report ETC-08-1043-20974.0 signed and sealed by Joseph Labora Doldan P.E.
ETC Laboratories, Rochester, NY, ASTM D1929 Self ignition 740°F
Test report ATI 61261.01-106-18 signed and sealed by Joseph Reed P.E.
Architectural Testing Inc. York, PA
ASTM D635 Rate of burning classification: CC1 (23.9mm/min, .94in/min)
ASTM D2843 Smoke density rating: 2.1
- Anchor calculations, report number 512227-1, prepared, signed and sealed by Luis Roberto Lomas P.E.



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Limitations and Conditions of use:

- Maximum design pressure: ± 65.0 psf
- Maximum panel size: 62 1/2" x 101" (Reinforced units)
62 1/2" x 86 1/2" (Non-reinforced units)
- Units must be glazed per ASTM E1300-04/09, according with 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 extruded Aluminum 6063-T5.

Installation:

Units must be installed in accordance with manufacturers installation instructions and approval document, 08-01578.
Revision C.

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).

