

L. Roberto Lomas P.E.

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

Engineering Evaluation Report

Report No.: 512226C

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

Product Line: BT601/IT600 Storm Front OS Aluminum Storefront Door System - 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:

1. Approval document: drawing number 08-01577, Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. 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 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
3. I-Strut Testing
Test report ETC-07-1043-19094.0, signed and sealed by Joseph Labora Doldan P.E.
ETC Laboratories, Rochester, NY, ASTM D638-03
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
4. Anchor calculations, report number 512226-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ± 65.0 psf
- Maximum unit size: 77" x 120"
- Units must be glazed per ASTM E1300-09, 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 manufacturer's installation instructions and approval document, 08-01577, Revision B.

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).

