

L. Roberto Lomas P.E.

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

Engineering Evaluation Report

Report No.: 512230C

Manufacturer: US Aluminum – Division of C.R. Laurence Co., Inc.
720 Cel-River Road
Rock Hill, SC 29730

Product Line: BT601/IT600 Storm Front OS Aluminum Storefront Door System - Non-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(d). The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-01581 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 202 -94 Uniform Static Air Pressure, ± 65.0 psf design pressure, 12.0psf water penetration.
AAMA/WDMA/CSA 101/I.S.2/A440-05
Design pressure: ± 65.0 psf
Water penetration resistance 12.0psf
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 D6383
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 512230-1, 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 E1300-04 with safety glazing.
- This product is rated to be used in the HVHZ.
- This product is not impact resistant and requires 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 instruction and approval document, 08-01581.
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).

