L. Roberto Lomas P.E.

**Engineering Evaluation Report** 

400 S Palm Ave Indialantic, FL 32903 434-688-0609 rllomas@lrlomaspe.com

# Report No.: 512230E

## Manufacturer: US Aluminum 950 Solon Rd. Waxahachie, TX 75165

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

### Compliance:

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

### Supporting Technical Documentation:

- 1. Approval document: drawing number 08-01581 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 202 with AAMA 501 Uniform Static Air Pressure, ±65.0psf design pressure, 12.0psf water penetration. AAMA/WDMA/CSA 101/I.S.2/A440 Design pressure: ±65.0psf
  - 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
- Anchor calculations with comparative analysis, report number 512230-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

## Limitations and Conditions of use:

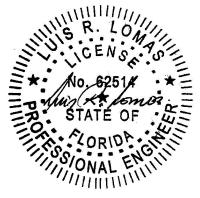
- Design pressure: ±65.0psf
- Unit size: 77" x 120"
- Units must be glazed per ASTM E1300 with safety glazing.
- This product is rated to be used in the HVHZ.
- This product is not impact resistant and requires impact protection in wind borne debris regions.
- Frame material to be extruded Aluminum 6063-T5.

#### Installation:

Units must be installed in accordance with manufacturer's installation instruction and approval document, 08-01581 Revision 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).



Luis R. Lomas, P.E. FL No.: 62514 03/23/2023