## Roberto Lomas P.E.

# **Engineering Evaluation Report**

**Report No.: 512231E** 

400 S Palm Ave Indialantic, FL 32903 434-688-0609

rllomas@lrlomaspe.com

**US Aluminum Manufacturer:** 

950 Solon Rd.

Waxahachie, TX 75165

**Product Line:** BT601/IT600 Storm Front Aluminum Storefront - Non-Impact

#### Compliance:

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

#### Supporting Technical Documentation:

Approval document: drawing number 08-01582 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. Test report. ATLNC 0727.01-10 signed and sealed by David Johnson P.E.

American Test Lab, Inc. Brevard, NC

TAS 202 (with AAMA501) Uniform Static Air Pressure.

AAMA/WDA/CSA 101/1.S.2/A440 Design pressure: ±65psf Water penetration resistance: 9.75psf

4. I-Strut Testing

Test report ETC-07-1043-19094.0, signed and sealed by Joseph Labora Doldan P.E.

ETC Laboratories, Rochester, NY, ASTM D 638

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 D 1929 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

3. Anchor calculations and comparative analysis report number 512231-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

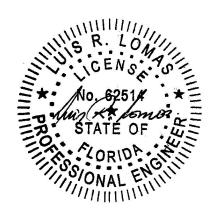
## Limitations and Conditions of use:

Design pressure:

Panel size: 62 1/2" x 101" (Reinforced unit)

62 1/2" x 86 1/2" (Non-Reinforced units)

- Units must be glazed per ASTM E1300.
- 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.



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

## Roberto Lomas P.E.

**Engineering Evaluation Report** 

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

**Report No.: 512231E** 

#### Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-01582. 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).

