## L. Roberto Lomas P.E.

# **Engineering Evaluation Report**

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

Report No.: 514101C

**Manufacturer:** U.S. Aluminum Inc.

950 Solon Rd.

Waxahachie, TX 75165

Product Line: D900 Thermally Improved Aluminum Architectural Terrace Door - Large Missile Impact

#### Compliance:

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

#### Supporting Technical Documentation:

- Approval document: drawing number 08-03180 Revision C, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 2. Test report No.: H6776.01-303-18 R1 signed and sealed by Tyler Westerling P.E.

Intertek, Lake Forest, CA.

TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4

Cyclic Pressure loading ±80.0psf design pressure

TAS 202 Uniform Static Air Pressure, ±80.0psf design pressure, 15.04psf water penetration.

3. Test report No.: I9228.01-303-18 R1 (accessible threshold with 10" bottom rail) signed and sealed by Tyler Westerling P.E.

Intertek, Lake Forest, CA.

TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4

Cyclic Pressure loading ±80.0psf design pressure

TAS 202 Uniform Static Air Pressure, ±80.0psf design pressure, 15.04psf water penetration.

4. Anchor calculations, report number 514101-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.

#### Limitations and Conditions of use:

Design pressure: ±80.0psfUnit size: ±80.2psf

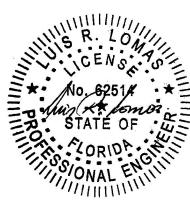
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be Extruded Aluminum 6063-T5.

### Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03180 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 04/05/2023