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## Engineering Evaluation Report

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:**

1. 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  $\pm 80.0$ psf design pressure  
TAS 202 Uniform Static Air Pressure,  $\pm 80.0$ psf 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  $\pm 80.0$ psf design pressure  
TAS 202 Uniform Static Air Pressure,  $\pm 80.0$ psf 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:  $\pm 80.0$ psf
- Unit size: 42" x 96"
- 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).

