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## Engineering Evaluation Report

Report No.: 514181A

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

**Product Line:** IW8100 Fixed Window – 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 08-03228 Revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: I0707.01-303-18 R1 signed and sealed by Tyler Westerling P.E.  
Intertek, Lake Forest, CA  
TAS 201-94 / TAS 203 Large Missile Impact Test, Level D, Wind Zone 4  
Cyclic Pressure loading  $\pm 100.0$ psf design pressure  
TAS 202 -94 Uniform Static Air Pressure,  $\pm 100.0$ psf design pressure, 15.04psf water penetration.
3. Anchor calculations, report number 514181-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

**Limitations and Conditions of use:**

- Design pressure:  $\pm 100.0$ psf
- Unit size: 60" x 90"
- 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 Aluminum 6063-T5

**Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03228, Revision A.

**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).

