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## Engineering Evaluation Report

Report No.: 514942

**Manufacturer:** Acurlite Structural Skylights  
1017 North Vine St.  
Berwick, PA 18603

**Product Line:** Secure Series Standard Fixed Skylight Small Missile Impact - HVHZ

### **Compliance:**

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Business and Professional Regulation for Statewide Acceptance per Rule 61G20-3.005 method 1(d). The product listed herein complies with requirements of the current Florida Building Code.

### **Supporting Technical Documentation:**

1. Approval document: drawing number 08-03777, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 110-20884-2 signed and sealed by Joseph A. Reed P.E.  
National Certified Testing Laboratories, York, PA  
TAS 201 Small Missile Impact Test, Level A, Wind Zone 4  
TAS 202 Uniform Static Air Pressure,  $\pm 120.0$ psf design pressure, 18.0psf water penetration.  
TAS 203 Cyclic Pressure loading  $\pm 120.0$ psf design pressure
3. Anchor calculations, report number 514942-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

### **Limitations and Conditions of use:**

- Design pressure:  $\pm 120.0$ psf
- Unit size: 170 1/2" x 130 7/8"
- 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 when installed 30 ft or more above ground level.
- Frame material to be Aluminum 6063-T5.

### **Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03777.

### **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).

