

*L. Roberto Lomas P.E.*

1432 Woodford Rd.  
Lewisville, NC 27023  
434-688-0609  
rlomas@lrlomaspe.com

## Engineering Evaluation Report

Report No.: 514941

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

**Product Line:** Secure Series Standard Fixed Skylight Large 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 08-03776, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 110-20884-1 signed and sealed by Joseph A. Reed P.E.  
National Certified Testing Laboratories, York, PA  
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4  
TAS 202 Uniform Static Air Pressure,  $\pm 80.0$ psf design pressure, 12.0psf water penetration.  
TAS 203 Cyclic Pressure loading  $\pm 80.0$ psf design pressure
3. Anchor calculations, report number 514941-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

**Limitations and Conditions of use:**

- Design pressure:  $\pm 80.0$ 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.
- Frame material to be Aluminum 6063-T5.

**Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03776.

**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).

