L. Roberto Lomas P.E.

Engineering Evaluation Report

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

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, ±80.0psf design pressure, 12.0psf water penetration.

TAS 203 Cyclic Pressure loading ±80.0psf 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: ±80.0psf

• Unit size: 170 1/2" x 130 7/8"

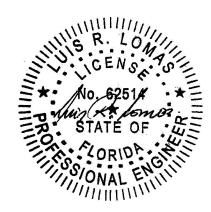
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be Aluminum 6063-T5.

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).



Luis R. Lomas, P.E. FL No.: 62514 01/17/2022