

L. Roberto Lomas P.E.

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

Engineering Evaluation Report

Report No.: 513400B

Manufacturer: Solar Innovation, Inc.
31 Robert Road
Pine Grove, PA 17963

Product Line: Series SI3000 Impact FGW 3'x7.6' Panel Outfold Non-Reinforced

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 Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-02621 Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 110-17071-1 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
ASTM E330
Design pressure: ± 55.14 psf
Water penetration resistance: 4.0psf.
3. Report No.: NCTL 110-17071-2 signed and sealed by Robert H Zeiders P.E.
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ± 65.0 psf design pressure
4. Anchor calculations, report number 513400-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.
5. Comparative analysis, report number 513400-2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: Refer to approval drawing.
- Approved configurations: Unlimited number of panels in unlimited configurations are approved as long as individual panel area does not exceed 22.14 ft² and uses vertical conditions as shown in approval document.
- Units must be glazed per ASTM E1300, according with glazing details in approval drawing.
- This product is not 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-T6.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-02621 Revision B.

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).

