L. Roberto Lomas P.E.

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

# **Engineering Evaluation Report**

Report No.: 512507D

Manufacturer:	Solar Innovations, Inc.
	31 Roberts Rd
	Pine Grove, PA 17963

Product Line: Series SI8100 Sliding Glass Door 5 x 8 Panel

## 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 08-01821 Revision D, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 2. Test report No.: NCTL 110-15153-1 signed and sealed by Robert H Zeiders 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, ±65.0psf design pressure, 12.0psf water penetration.
  - TAS 203 Cyclic Pressure loading ±80.0psf design pressure
- 3. Anchor calculations, report number 512507-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 4. Comparative analysis, report number 512507-2B, prepared, signed and sealed by Luis Roberto Lomas P.E.

## Limitations and Conditions of use:

- Maximum design pressure: Refer to approval drawing.
- Approved configurations: Ur
- ations: Units with 4 panels maximum in unlimited configurations are approved as long as
  - individual panel area does not exceed 41.59 ft<sup>2</sup> and frame area does not exceed 254.48 ft<sup>2</sup> and uses vertical conditions as shown in approval drawing.
  - 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 Extruded Aluminum 6063-T6

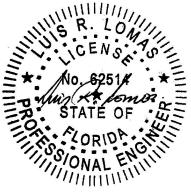
#### Installation:

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Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-01821, Revision D.

#### 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 11/17/2020