L. Roberto Lomas P.E.

Engineering Evaluation Report

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Report No.: 514767

Manufacturer: Solar Innovations, Inc.

31 Roberts Rd

Pine Grove, PA 17963

Product Line: Series SI8100 Sliding Glass Door 5 x 8 Panel Non-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 08-03654, 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 514767-1, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 4. Comparative analysis, report number 514767-2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

Maximum design pressure: Refer to approval drawing.

• Approved configurations: Units with 4 panels maximum in unlimited configurations are approved as long as

individual panel area does not exceed 41.59 ft² and frame area does not exceed

254.48 ft² and uses vertical conditions as shown in approval drawing.

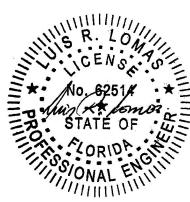
- Units must be glazed per ASTM E1300 according to glazing details in approval drawing.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be Extruded Aluminum 6063-T6

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-03654.

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 11/12/2020