

*L. Roberto Lomas P.E.*

1432 Woodford Rd  
Lewisville, NC 27023  
434-688-0609  
rlomas@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,  $\pm 65.0$ psf design pressure, 12.0psf water penetration.  
TAS 203 Cyclic Pressure loading  $\pm 80.0$ psf 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: 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:**

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).

