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## Engineering Evaluation Report

Report No.: 514053A

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

**Product Line:** Series "SI4500" Vinyl Outswing Terrace Door w/Fixed Window Non-Impact

### **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(a). The product listed herein complies with requirements of the current Florida Building Code.

### **Supporting Technical Documentation:**

1. Approval document: drawing number 08-03142, Revision A prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: NCTL 110-19548-1 signed and sealed by Robert H Zeiders P.E.  
National Certified Testing Laboratories, York, PA  
ASTM E330  
Design pressure:  $\pm 50.0$ psf  
Water penetration resistance 8.0psf
3. Anchor calculations, report number 514053-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

### **Limitations and Conditions of use:**

- Maximum design pressure:  $\pm 50.0$ psf
- Maximum unit size: 75 1/2" x 89 1/8"
- Maximum door panel size: 35 1/16" x 87 1/4"
- Approved configurations: XO, OX, X.
- Units must be glazed per ASTM E1300 with safety glazing.
- This product is not rated to be used in the HVHZ.
- This product is not impact resistant and requires impact protection in wind borne debris regions.
- Frame material to be rigid PVC.

### **Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03142 Revision A.

### **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).

