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Engineering Evaluation Report

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, ± 65.0 psf design pressure, 12.0psf water penetration.
TAS 203 Cyclic Pressure loading ± 80.0 psf 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).

