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Engineering Evaluation Report

Report No.: 513744B

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

Product Line: Series SI2000 G2 Modular Terrace Door with HP Sill 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(d). The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-02918 Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: NCTL 110-18995-1 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
ASTM E330
Design pressure: ±50.0psf
Water penetration resistance 12.0psf
3. Report No.: NCTL 110-18995-2 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ±50.0psf design pressure
4. Anchor calculations, report number 513744-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.
5. Comparative analysis, report number 513744-2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: Refer to approval drawing.
- Maximum unit size: Refer to approval drawing.
- Units must be glazed per ASTM E1300 according with 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 and panel material to be extruded Aluminum 6063-T6.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-02918 Revision B.

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).

