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Engineering Evaluation Report

Report No.: 514072A

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

Product Line: Series SI2000 Thermally-Broken AL French Door Assembly w/Standard & High Performance Thresholds 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 08-03153, Revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 110-19489-1 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, ± 40.0 psf design pressure, 12.11psf water penetration.
TAS 203 Cyclic Pressure loading ± 40.0 psf design pressure
3. Report No.: NCTL 110-19489-2 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ± 40.0 psf
Water penetration resistance 12.11psf
4. Report No.: NCTL 110-19490-2 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, ± 40.0 psf design pressure
5. Anchor calculations, report number 514072-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ± 40.0 psf
- Maximum unit size: Refer to approval drawing.
- Units must be glazed per ASTM E1300 see installation instructions for glass details.
- 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-T5 and 6063-T6.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03153, 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).

