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Engineering Evaluation Report

Report No.: 512512C

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

Product Line: Series SI2100 Pivot Hinged Aluminum Door Non - Impact

Compliance:

The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-01826 Revision C, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL 110-15488-1 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
ASTM E330
Design pressure: ± 30.0 psf (without Throw bolt); (+100.0/-80.0/ with Throw bolt)
Water penetration resistance: 2.0psf
3. Anchor calculations, report number 512512-1C, prepared, signed and sealed by Luis Roberto Lomas P.E.
4. Comparative analysis, report number 512512-2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ± 30.0 psf (without Throw bolt); (+100.0/-80.0/ with Throw bolt)
- Maximum unit size: Refer to approval drawing.
- Maximum panel size: Refer to approval drawing.
- 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 Extruded Aluminum 6063-T5.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-01826 Revision C.

Certification of Independence:

Please note that I do not 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 do not have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

