L. Roberto Lomas P.E.

Engineering Evaluation Report

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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:

- 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: ±50.0psf Water penetration resistance 8.0psf

Anchor calculations, report number 514053-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

Maximum design pressure: ±50.0psf

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.

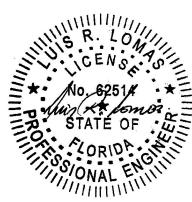
- Units must be glazed per ASTM E1300 with safety glazing.
- This product is not rated to be used in the HVHZ.
- This product is not impact resistant and requires impact protection in wind borne debris regions.
- Frame material to be rigid PVC.

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).



Luis R. Lomas, P.E. FL No.: 62514 11/17/2020