L. Roberto Lomas P.E.

Engineering Evaluation Report

Report No.: 514952

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Manufacturer: Provia, LLC.

2150 State Route 39 West Sugarcreek, Ohio 44681

Product Line: 20 Gauge Steel Patio Door Non-Impact

Compliance:

The product mentioned above 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 08-03784, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 2. Test report No.: M4271.01-501-47 signed by Stephen D. Shank

Intertek, Springdale, PA

ASTM E330

Design pressure: +40.0/-45.0psf with single point lock

±50.13psf with multipoint lock

- 3. Anchor calculations, report number 514952-1, prepared, signed and sealed by Luis Roberto Lomas P.E.
- Evaluation and comparative analysis for alternate sill, report number 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
- Evaluation and comparative analysis for alternate panels, report number 514394A, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

Design pressure: +40.0/-45.0psf with single point lock

±50.13psf with multipoint lock

• Panel size: 35 3/4" x 94 15/16"

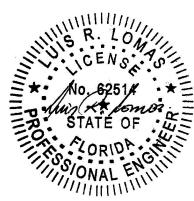
- Approved configurations: X, OX, XO, XX, OXO, XOO, OOX.
- Units must be glazed per ASTM E1300, with safety glazing.
- This product is not rated to be used in the HVHZ.
- This product is not impact resistant and requires impact protection in wind borne debris regions.
- Frame material: Wood G=.46 minimum, Composite, Framesaver or Fusion Frame.
- Door frame material: Wood G.46 minimum or Framesaver or Fusion Frame.
- Door panel and sidelite sash material to be 20Ga. minimum steel with steel or fiberglass top and bottom rails.
- This system was not tested for water infiltration and must be installed only where the water requirement is not needed.
- · Approved lock hardware:
 - \circ Schlage F-Series door knob with Schlage B-Series deadbolt.
 - o Emtek Residential Grade door hardware assembly.
 - oTrillenium Multi-Point lock handle assembly.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03784.

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 11/11/2021