

L. Roberto Lomas P.E.

208 7th Avenue
Indialantic, FL 32903
434-688-0609
rlomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 514952A

Manufacturer: Provia, LLC.
2150 State Route 39 West
Sugarcreek, Ohio 44681

Product Line: 20 Gauge Steel Patio Door Non-Impact

Compliance:

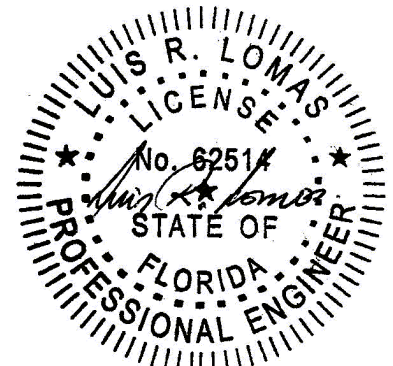
The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-03784 revision A, 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. Test Report TEL 01312263 signed and sealed by William B. Shelton, P.E.
Testing Evaluation Lab.
(For ODL Zeel Clip Assembled Frame)
TAS 202 Design Pressure, ±60.0psf
4. Test report N8430.01-501-47 signed by Stephen D. Shank
Intertek, Springdale, PA
(For XLE Trim)
ASTM E330 Design pressure, ±55.14psf
5. Test report P3503.02-501-47 signed by Stephen D. Shank
Intertek, Pittsburgh, PA
(For PanoLock Multi Point)
ASTM E330 Design pressure, ±50.13psf
6. Test report P3996.01-501-47 signed by Stephen D. Shank
Intertek, Springdale, PA
(For 506 Foam)
ANSI/WMA 100 Deflection measurement: 0.06"
7. Anchor calculations, report number 514952-1, prepared, signed and sealed by Luis Roberto Lomas P.E.
8. Evaluation and comparative analysis for alternate sill, report number 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
9. 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.



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- Approved lock hardware:
 - Schlage F-Series door knob with Schlage B-Series deadbolt.
 - Emtek Residential Grade door hardware assembly.
 - Trillanium Multi-Point lock handle assembly.
 - Panolock multipoint lockset.

Installation:

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

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).

