

L. Roberto Lomas P.E.

208 7th Ave

Indialantic, FL 32903

434-688-0609

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Engineering Evaluation Report

Report No.: 514910B

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

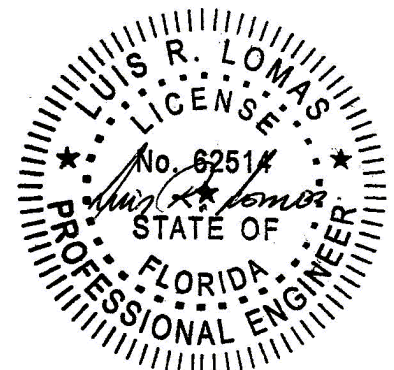
Product Line: Fiberglass Patio Door - Impact

Compliance:

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

Supporting Technical Documentation:

1. Approval document: drawing number 08-03753 Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: N67971.01-501-47 signed by Stephen D. Shank
Intertek, Springdale, PA
ASTM E1886 and ASTM E1996 Large Missile Impact, Level D, Wind Zone 3
Cyclic Load Test, ± 50.13 psf design pressure
3. Test report No.: M4271.01-501-47 signed by Stephen D. Shank
Intertek, Springdale, PA
ASTM E330 Design pressure: ± 50.13 psf
4. Test report No.: L0763.02-501-47 signed by Stephen D. Shank
Intertek, Springdale, PA
ASTM E1886 and ASTM E1996 Large Missile Impact, Level D, Wind Zone 3
Cyclic Load Test, ± 50.13 psf design pressure
5. Test report No.: L0676.01-501-47 signed by Stephen D. Shank
Intertek, Springdale, PA
AAMA/WDMA/CSA 101/I.S.2/A440 Design pressure: ± 50.13 psf
6. Report No.: P3164.01-501-47, signed by Stephen D. Shank
Intertek, Springdale, PA
(For Zeel Trim & ODL Evolve Trim)
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 3
Cyclic Load Test, ± 50.13 psf design pressure
7. Test reports: P3162.02-501-47 signed by Stephen D. Shank
Intertek, Pittsburgh, PA
(For PanoLock Multi Point)
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 3
Cyclic Load Test, ± 50.13 psf design pressure
8. Test report TEL 01313772 signed by Vivian K. Wright
Testing Evaluation Laboratories, Inc., Plant City, FL
(ODL Keystone Trim)
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 3
Cyclic Load Test, ± 60.0 psf design pressure
ASTM E330/ E331 Design pressure: ± 60.0 psf
Water penetration resistance: 9.0psf
9. Anchor calculations, report number 514910-1, prepared, signed and sealed by Luis Roberto Lomas P.E.
10. Evaluation for Severe Weather Trim with Blind, report number 515240, prepared, signed and sealed by Luis Roberto Lomas P.E.
11. Comparative analysis for ODL Keystone Trim, report number 515429-1, prepared, signed and sealed by Luis Roberto Lomas P.E.



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Limitations and Conditions of use:

- Design pressure: ±50.0psf
- 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, according to glazing details in approval drawing.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions up to wind zone 3.
- 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 .080" thick fiberglass with wood top rail and composite 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:
 - Schlage F-Series door knob with Schlage B-Series deadbolt.
 - Emtek Residential Grade door hardware assembly.
 - Multi-point lock hardware assembly by Trilennium.
 - Panolock multi-point lockset

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03753, revision B.

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).

