

L. Roberto Lomas P.E.

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Engineering Evaluation Report

Report No.: 512822J

Manufacturer: Provia, LLC.
2150 State Route 39
Sugar creek, OH 44681

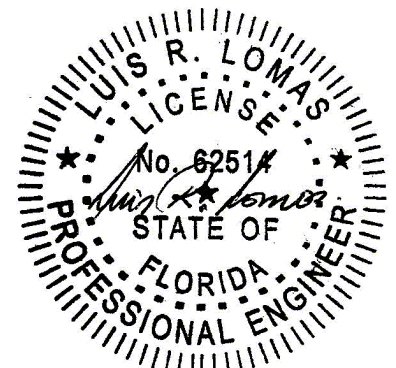
Product Line: Steel/Fiberglass Inswing Glazed Patio Door W/ Sidelites and Transom Non-Impact

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:

1. Approval document: drawing number 08-02108, Revision J, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report No.: NCTL 110-15660-1 revision 7 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
ASTM E330
Design pressure: ±55.0psf
3. Test Report No.: NCTL 110-15650-4 revision 1 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ±55.0psf
Water penetration resistance 8.25psf
4. Test Report No.: NCTL 110-15651-4 revision 1 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
AAMA/WDMA/CSA 101/I.S.2/A440
5. Test Report No.: NCTL 110-15652-3 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ±55.0psf
Water penetration resistance 8.25psf
6. Test Report No.: NCTL 110-11912-3 signed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: +45.0psf/-50.0psf
7. Test Report No.: NCTL 110-11282-1 signed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: ±103.3psf
Water penetration resistance 0.0psf
8. Test Report No.: NCTL 110-11320-1, single door w/ Trilennium hardware, signed and sealed by Robert H. Zeiders, P.E. National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: ±116.6psf
9. Test Report No.: NCTL 110-13258-1 signed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: ±80.0psf
10. Test Report No.: NCTL 110-11912-6 signed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: +45.0psf/-50.0psf
11. Report No.: NCTL 110-13337-1 signed and sealed by Robert H Zeiders P.E.
National Certified Testing Laboratories, York, PA
ASTM E330 Design pressure: +48.0/-52.0psf



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- 12. Test Report No.: 3172703MID-011, signed by Kent Kelsey
Intertek Testing Services NA Inc., Middleton, WI
NFPA 252 & UL 10C
Steel skin door with polyurethane foam core complies with NFPA 252 and UL 10C Positive Pressure Fire Test of Door Assemblies for a 90 minute rating with hose stream.
- 13. Test reports: TEL01680148, TEL01680149 and TEL01680150 signed and sealed by Lyndon F. Schmidt P.E.
Testing Evaluation Laboratories, Inc. Plant City, FL
Fiberglass testing

ASTM D635	Rate of burning classification:	CC1
ASTM D1929	Self ignition temperature:	778°F
ASTM D2843	Smoke density rating:	60.4
- 14. Report No.: L0606.01-501-47-R0 signed by Stephen D. Shank.
Intertek, Springdale, PA.
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ±50.13psf
Water penetration resistance 0.0psf
- 15. Test report No.: M4271.01-501-47 signed by Stephen D. Shank
Intertek, Springdale, PA
ASTM E330
Design pressure: +40.10/-45.11psf (Single point lock)
±50.13psf (Multi-point lock)
- 16. Anchor calculations, report number 512822-1B, prepared, signed and sealed by Luis Roberto Lomas P.E
- 17. Mullion analysis, report number 512822-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 18. Comparative analysis, report number 511679-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 19. Evaluation and comparative analysis for alternate sills, report numbers 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 20. Evaluation and comparative analysis, report number 514394A, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 21. Evaluation for additional trims, report number 514783, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Design pressure: +45.0/-50.0psf
- Panel size: 35 3/4" x 78 15/16"
- 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.
- Door frame material: Wood G.46 minimum, or composite, or Framesaver, or Fusion Frame.
- 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.

Installation:

Units must be installed in accordance with manufacturer’s installation instructions and approval document 08-02108, Revision J.

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).

