

L. Roberto Lomas P.E.

1432 Woodford Rd.
Lewisville, NC 27023
434-688-0609
rlomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 511731H

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

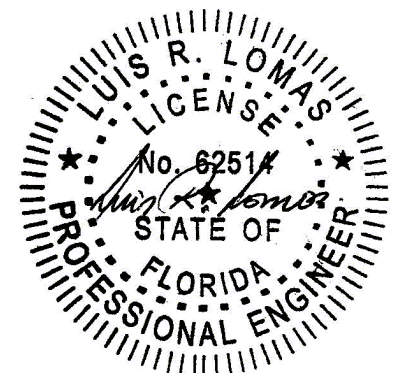
Product Line: Signet IS/OS 8'0 Glazed Fiberglass Door W/ and W/out Standard Sidelites

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 08-01160 Revision I, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report No.: NCTL 110-13337-1 signed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: +48.0/-52.0psf
Water penetration resistance: 0.0psf
3. Test Report No.: NCTL 110-12522-1, double door w/ Emtek hardware, signed and sealed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: ±51.0psf
4. Test Report No.: NCTL 110-11282-1, single door w/ Emtek hardware, signed and sealed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: ±103.3psf
5. 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
6. 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
7. Test Report No.: L0676.01-501-47-R0 signed by Stephen D. Shank.
Intertek, Springdale, PA.
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ±50.13psf
Water penetration resistance 2.92psf (Outswing), 0.0 psf (Inswing)
8. 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)
9. Anchor calculations, report number 511731-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.
10. Comparative analysis, report number 511679-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
11. Evaluation and comparative analysis for alternate sills, report numbers 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
12. Evaluation and comparative analysis, report number 514394A, prepared, signed and sealed by Luis Roberto Lomas P.E.
13. Evaluation for additional trims, report number 514783, prepared, signed and sealed by Luis Roberto Lomas P.E.



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Limitations and Conditions of use:

- Design pressure: +48.0/-52.0psf
- This system was not tested for water infiltration and is to be installed only where water penetration resistance is not required.
- Approved configurations: OXXO, XX, OXO, OX, XO, X (Inswing and Outswing).
- Units to 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.
- This system was not tested for water infiltration and is to be installed only where water penetration resistance is not required.
- Door frame material: Wood G.46 minimum or Framesaver or Fusion Frame.
- Door panel material to be Fiberglass .085" thick with wood top rails and side stiles and composite bottom rails.
- Approved lock hardware:
 - Schlage F-Series door knob with Schlage B-Series or F-Series deadbolt.
 - Emtek Residential Grade door hardware assembly.
 - Trilennium Multi-Point lock handle assembly.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-01160, Revision I.

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).

