

*L. Roberto Lomas P.E.*

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

## Engineering Evaluation Report

Report No.: 511237M

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

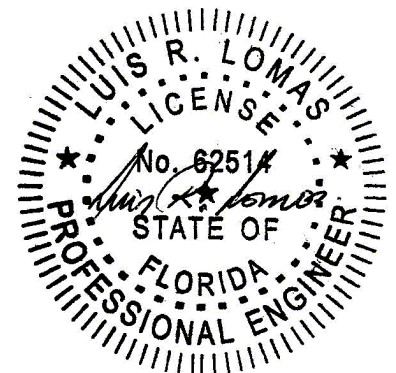
**Product Line:** Signet Inswing Glazed Fiberglass Patio Door w/ and w/ out sidelites and transom.

### **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 08-00712, Revision M, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. 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
3. 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
4. Test Report No.: NCTL 110-11320-1 signed by Robert H. Zeiders, P.E.  
National Certified Testing Laboratories, York, PA.  
ASTM E330  
Design pressure: ±116.6psf
5. 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
6. 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
7. 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)
8. Anchor calculations, report number 511237-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.
9. Comparative analysis, report number 511679-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
10. Evaluation and comparative analysis for alternate sills, report numbers 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
11. Evaluation and comparative analysis, report number 514394A, prepared, signed and sealed by Luis Roberto Lomas P.E.
12. Evaluation for additional trims, report number 514783, prepared, signed and sealed by Luis Roberto Lomas P.E.



*L. Roberto Lomas P.E.*

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

## Engineering Evaluation Report

Report No.: 511237M

### **Limitations and Conditions of use:**

- Design pressure: +45.0psf/-50.0psf
- Approved configurations: Inswing (X, XO, OX, OXO, O/X, O/XO, O/OX and O/OXO)
- 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 and sidelite sash material to be .080" thick fiberglass with wood top rail and composite bottom rails.
- 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.

### **Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-00712, Revision M.

### **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).

