

# L. Roberto Lomas P.E.

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## Engineering Evaluation Report

Report No.: 512787K

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

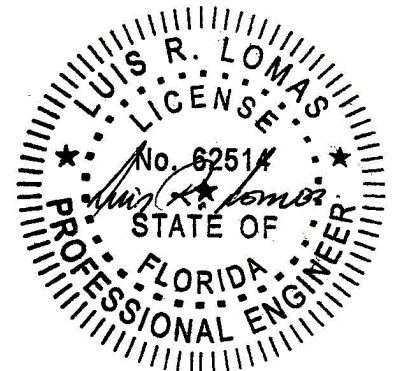
**Product Line:** Steel/Fiberglass Outswing Glazed Door – Single and Double Non-Impact

### Compliance:

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

### Supporting Technical Documentation:

1. Approval document: drawing number 08-02073, Revision K, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report 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,  $\pm 55.0$ psf
3. Test Report NCTL 110-13337-1 signed and sealed by Robert H Zeiders P.E.  
National Certified Testing Laboratories, York, PA  
ASTM E330 Design pressure,  $+48.0/-52.0$ psf
4. Test Report 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.
5. Test report 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. Test Report L0676.01-501-47-R0 signed by Stephen D. Shank.  
Intertek, Springdale, PA.  
AAMA/WDMA/CSA 101/I.S.2/A440 Design pressure,  $\pm 50.13$ psf  
Water penetration resistance                      2.92psf
7. Test report M4271.01-501-47 signed by Stephen D. Shank  
Intertek, Springdale, PA  
ASTM E330 Design pressure,  $+40.10/-45.11$ psf (Single point lock)  
 $\pm 50.13$ psf (Multi-point lock)
8. 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,  $\pm 60.0$ psf
9. Test report N8430.01-501-47 signed by Stephen D. Shank  
Intertek, Springdale, PA  
(For XLE Trim)  
ASTM E330 Design pressure,  $\pm 55.14$ psf
10. Test report P3503.02-501-47 signed by Stephen D. Shank  
Intertek, Pittsburgh, PA  
(For PanoLock Multi Point)  
ASTM E330 Design pressure,  $\pm 50.13$ psf
11. Test report P3996.01-501-47 signed by Stephen D. Shank  
Intertek, Springdale, PA  
(For 506 Foam)  
ANSI/WMA 100 Deflection measurement:                      0.06"
12. Anchor calculations, report number 512787-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.



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13. Comparative analysis, report number 511679-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
14. Evaluation and comparative analysis for alternate sills, report numbers 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
15. Evaluation and comparative analysis, report number 514394A, prepared, signed and sealed by Luis Roberto Lomas P.E.
16. Evaluation for additional trims, report number 514783, prepared, signed and sealed by Luis Roberto Lomas P.E.

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

- Design pressure: Refer to installation instructions.
- Maximum unit size: 74 1/32" x 97 19/32" (Double); 37 9/16" x 97 19/32" (Single)
- 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.
- This system was not tested for water infiltration and must be installed only where water penetration resistance is not required.
- Door frame material: Wood G.46 minimum, or composite, or Framesaver, or Fusion Frame.
- Slab core made of wood with RST-506-SK-PUCORE foam.

### **Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-02073, Revision K.

### **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).

