

*L. Roberto Lomas P.E.*

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

## Engineering Evaluation Report

Report No.: 512753I

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

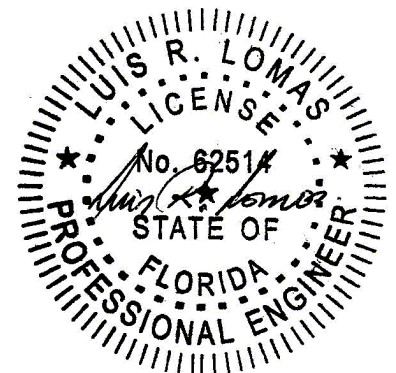
**Product Line:** Steel/Fiberglass Inswing Opaque Double Door W/ Sidelites and Transom –Impact

**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 08-02040 Revision I, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: NCTL 110-15660-2, Revision 7, signed and sealed by Robert H Zeiders P.E.  
National Certified Testing Laboratories, York, PA  
ASTM E1886/ E1996  
Large Missile Impact, Level D, Wind Zone 3  
Cyclic Load Test,  $\pm 55.0$ psf design pressure
3. 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:  $\pm 55.0$ psf
4. 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:  $\pm 55.0$ psf  
Water penetration resistance 8.25psf
5. Report No.: NCTL 110-15650-2, Revision 1, signed and sealed by Robert H Zeiders P.E.  
National Certified Testing Laboratories, York, PA  
ASTM E1886/ E1996  
Large Missile Impact, Level D, Wind Zone 3  
Cyclic Load Test,  $\pm 55.0$ psf design pressure
6. Report No.: NCTL 110-15651-2, Revision 1, signed and sealed by Robert H Zeiders P.E.  
National Certified Testing Laboratories, York, PA  
ASTM E1886/ E1996  
Large Missile Impact, Level D, Wind Zone 3  
Cyclic Load Test,  $\pm 55.0$ psf design pressure
7. 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  
Design pressure:  $\pm 55.0$ psf  
Water penetration resistance: 8.25psf
8. Report No.: NCTL 110-15652-2, Revision 1, signed and sealed by Robert H Zeiders P.E.  
National Certified Testing Laboratories, York, PA  
ASTM E1886/ E1996  
Large Missile Impact, Level D, Wind Zone 3  
Cyclic Load Test,  $\pm 55.0$ psf design pressure
9. Report No.: NCTL 110-15652-3, 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:  $\pm 55.0$ psf  
Water penetration resistance: 8.25psf



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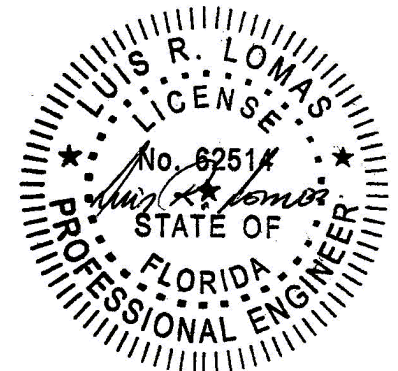
**Engineering Evaluation Report**

**Report No.: 5127531**

- 10. Test Report No.: TEL 03851468, signed by William B. Shelton, P.E.  
Testing Evaluation Laboratories, Inc., Plant City, FL.  
TAS 201 Large Missile Impact Test, Level D, Wind Zone 4  
TAS 202 Uniform Static Air Pressure, ±60.0psf design pressure, 9.0psf water penetration.  
TAS 203 Cyclic Pressure loading ±60.0psf design pressure
- 11. 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.
- 12. 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
- 13. Report No.: L0763.01-501-47 R0, signed by Stephen D. Shank  
Intertek, Springdale, PA  
ASTM E1886/ E1996  
Large Missile Impact, Level D, Wind Zone 3  
Cyclic Load Test, ±50.13psf design pressure
- 14. Report No.: M2210.01-501-47 R0, signed by Stephen D. Shank  
Intertek, Springdale, PA  
ASTM E1886/ E1996  
Large Missile Impact, Level D, Wind Zone 3  
Cyclic Load Test, ±50.13psf design pressure
- 15. Report No.: M4360.01-501-47 R0, signed by Stephen D. Shank  
Intertek, Springdale, PA  
ASTM E1886/ E1996  
Large Missile Impact, Level D, Wind Zone 3  
Cyclic Load Test, ±50.13psf design pressure
- 16. Report No.: M4359.01-501-47 R0, signed by Stephen D. Shank  
Intertek, Springdale, PA  
ASTM E1886/ E1996  
Large Missile Impact, Level D, Wind Zone 3  
Cyclic Load Test, ±50.13psf design pressure
- 17. Anchor calculations, report number 512753-1B, prepared, signed and sealed by Luis Roberto Lomas P.E
- 18. Mullion analysis, report number 512753-2 and -3, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 19. Comparative analysis, report number 511679-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 20. Evaluation and comparative analysis for alternate sills, report numbers 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 21. Evaluation and comparative analysis, report number 514394A, prepared, signed and sealed by Luis Roberto Lomas P.E.

**Limitations and Conditions of use:**

- Design pressure: ±55.0psf
- Panel size: 35 3/4" x 94 15/16"
- Sidelites and transom 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.
- Door frame material: Wood G.46 minimum, or composite or Framesaver, or Fusion Frame.



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**Installation:**

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-02040, 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).

