

L. Roberto Lomas P.E.

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434-688 - 0609
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Engineering Evaluation Report

Report No.: 512751I

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

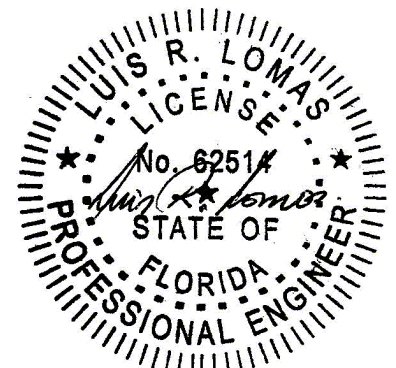
Product Line: Steel/Fiberglass Inswing Opaque Double Door W/ Sidelites – Impact

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 08-02038 Revision H, 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, ± 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: ± 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: ± 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, ± 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, ± 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: ± 55.0 psf
Water penetration resistance 8.25psf
8. 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, ± 60.0 psf design pressure, 9.0psf water penetration.
TAS 203 Cyclic Pressure loading ± 60.0 psf design pressure
9. 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.



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Engineering Evaluation Report

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- 10. 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
- 11. 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
- 12. 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
- 13. 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
- 14. 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
- 15. Anchor calculations, report number 512751-1B, prepared, signed and sealed by Luis Roberto Lomas P.E
- 16. Mullion analysis, report number 512751-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 17. Comparative analysis, report number 511679-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 18. Evaluation and comparative analysis for alternate sills, report numbers 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
- 19. 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 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.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-02038, Revision H.

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).

