

L. Roberto Lomas P.E.

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434-688 - 0609
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Engineering Evaluation Report

Report No.: 512676H

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

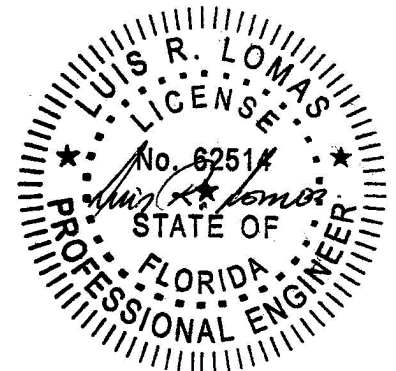
Product Line: Steel Inswing Glazed Double Door W/ Sidelites – Impact

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 08-01966 Revision G, 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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10. 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
11. 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
12. 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
13. 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
14. Anchor calculations, report number 512676-1B, prepared, signed and sealed by Luis Roberto Lomas P.E
15. Mullion analysis, report number 512676-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
16. Comparative analysis, report number 511679-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
17. Evaluation and comparative analysis for alternate sills, report numbers 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
18. 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 ¾" x 94 15/16"
- Units 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 08-01966, Revision G.

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).

