

L. Roberto Lomas P.E.

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Engineering Evaluation Report

Report No.: 511231M

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

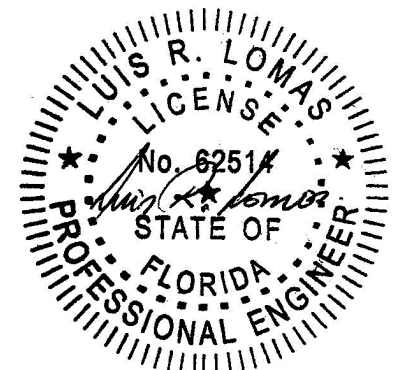
Product Line: 20GA Steel IS Patio Door w/ and w/ out Sidelites and Transom

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 08-00709, Revision M, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report No.: NCTL 110-11912-3 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
Water penetration resistance 0.0psf
4. Test Report No.: NCTL 110-11320-1, single door w/ Trilennium hardware, signed and sealed by Robert H. Zeiders, P.E. National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: ±116.6psf
5. Test Report No.: NCTL 110-13258-1 signed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA.
ASTM E330
Design pressure: ±80.0psf
6. 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.
7. 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
8. Report No.: L0606.01-501-47-R0 signed by Stephen D. Shank.
National Certified Testing Laboratories, York, PA
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ±50.13psf
Water penetration resistance 0.0psf
9. Anchor calculations, report number 511231-1B, prepared, signed and sealed by Luis Roberto Lomas P.E.
10. Comparative analysis, report number 511679-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
11. Evaluation and comparative analysis for alternate sills, report numbers 514581A, prepared, signed and sealed by Luis Roberto Lomas P.E.
12. Evaluation and comparative analysis, report number 514394A, prepared, signed and sealed by Luis Roberto Lomas P.E.
13. Evaluation for additional trims, report number 514783, prepared, signed and sealed by Luis Roberto Lomas P.E.



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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)
- Door panel and sidelite sash size: 35 3/4" x 78 15/16"
- Transom size: 109 9/16" x 15 1/4"
- Frame size: 109 9/16" x 96 3/4"
- 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.
- Door frame material: Wood G.46 minimum or Framesaver or Fusion Frame.
- Door panel and sidelite sash material to be 20Ga. minimum steel with steel or fiberglass top and bottom rails.
- Approved lock hardware:
 - Schlage F-Series door knob with Schlage B-Series deadbolt.
 - Emtek Residential Grade door hardware assembly.
 - Trillanium Multi-Point lock handle assembly.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-00709, 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).

