L. Roberto Lomas P.E.
1432 Woodford Rd.
Lewisville, NC 27023
434-688-0609

Engineering Evaluation Report

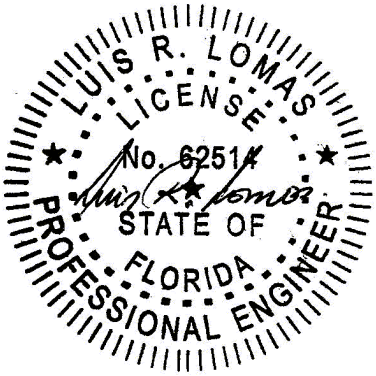
Report No.: 511456G

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

Product Line: 20GA. Steel Entry Door

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

Supporting Technical Documentation:
1. Approval document: drawing number 08-00905, revision D, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report No.: NCTL 110-12522-1 signed by Robert H. Zeiders, P.E.
   National Certified Testing Laboratories, York, PA. ASTM E330 Design pressure: +51.0/-55.0psf
3. Test Report No.: NCTL 110-12522-2 signed by Robert H. Zeiders, P.E.
   National Certified Testing Laboratories, York, PA.
   ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4 (Astragal impacted with a #2SYP, 92" long and 9lbs missile at 50fts)
   Cyclic Load Test, ±51.0psf design pressure
4. Test Report No.: NCTL 110-11320-1, single door w/ Trilennium hardware, signed by Robert H. Zeiders, P.E.
   National Certified Testing Laboratories, York, PA.
   ASTM E330 Design pressure: ±116.6psf
5. Test Report No.: NCTL 110-12802-1, single door w/Trilennium hardware signed by Robert H. Zeiders, P.E.
   National Certified Testing Laboratories, York, PA.
   ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
   Cyclic Load Test, ±60.0psf design pressure
6. Test Report No.: TEL 03851482, signed and sealed 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, ±50.0psf (Outswing), +50.0/-55.0psf (Inswing) design pressure, 7.50psf water penetration.
   TAS 203 Cyclic Pressure loading ±60.0psf (Outswing), +55.0/-60.0psf (Inswing) design pressure
7. Test Report No.: 3172703MID-011, signed by Kent Kelsey
   Intertek Testing Services NA Inc., Middleton, WI
   NFPA 252
   Steel skin door with polyurethane foam core complies with NFPA 252 Positive Pressure Fire Test of Door Assemblies for a 90 minute rating with hose stream
8. Anchor calculations, report number 511456-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.
9. Comparative analysis, report number 511679-2, prepared, signed and sealed by Luis Roberto Lomas P.E.
10. Evaluation and comparative analysis for alternate sills, report numbers 514581, prepared, signed and sealed by Luis Roberto Lomas P.E.
11. Evaluation and comparative analysis, report number 514394, prepared, signed and sealed by Luis Roberto Lomas P.E.



Luis R. Lomas, P.E.
FL No.: 62514
09/29/2020

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Limitations and Conditions of use:

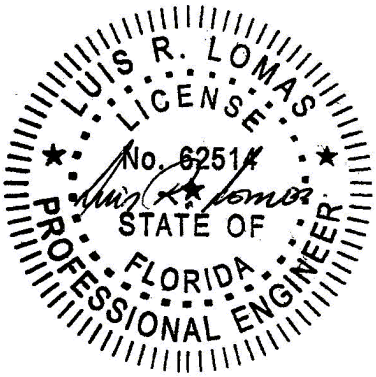
- Maximum design pressure: ±51.0psf
- This system was not tested for water infiltration and is to be installed only where water penetration resistance is not required.
- Approved configurations: Single and double (Inswing and Outswing).
- Unit size: 74" x 97 1/2”
- Door panel size: 35 3/4” x 95”
- This 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.
- Door frame material: Wood G.46 minimum or Framesaver, or Fusion Frame.
- Door panel material to be 20GA steel.
- Approved lock hardware:
  - Schlage F-Series door knob with Schlage B-Series deadbolt.
  - Emtek Residential Grade door hardware assembly.
  - Trillenium Multi-Point lock handle assembly.

Installation:

Units must be installed in accordance with manufacturer’s installation instructions and approval document 08-00905, revision D.

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).



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