

L. Roberto Lomas P.E.

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Engineering Evaluation Report

Report No.: 511980G

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

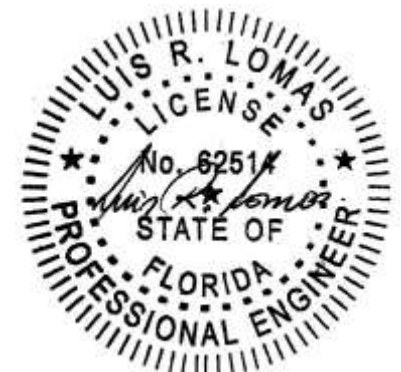
Product Line: 8'0 Heritage Fiberglass Opaque IS/OS Door – Large Missile Impact

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 Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-01363, Revision E, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Reports: NCTL-210-3102-1 signed and sealed by Gerard J. Ferrara, P.E.
National Certified Testing Laboratories, Orlando, FL.
ASTM E330 Uniform Static Air Pressure, +75.0/-70.0psf (OS), +70.0/-75.0psf (IS) design pressure
Water penetration resistance: 2.86psf (IS), 6.0psf (OS - Low Sill), 8.25psf (OS - High Dam Threshold).
ASTM E1886/ E1996: Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading +75.0/-70.0psf (OS), +70.0/-75.0psf (IS) design pressure
3. Test Reports: NCTL-210-3105-1 signed and sealed by Gerard J. Ferrara, P.E.
National Certified Testing Laboratories, Orlando, FL.
ASTM E330 Uniform Static Air Pressure, +50.5/-55.0psf (IS), +55.0/-50.5psf (OS) design pressure
Water penetration resistance: 2.86psf (IS), 6.0psf (OS - Low Sill), 8.25psf (OS - High Dam Threshold).
ASTM E1886/ E1996: Large Missile Impact Test, Level D, Wind Zone 4
Cyclic Pressure loading +50.5/-55.0psf (IS), +55.0/-50.5psf (OS) design pressure
4. Test Reports CTLA-772W, signed and sealed by Ramesh Patel, P.E.
Certified Testing Laboratories, Orlando, FL
ASTM E330
Design Pressure: ± 70.0 psf
Water penetration resistance 10.5psf
5. Test Reports CTLA-772W-2, signed and sealed by Ramesh Patel, P.E.
Certified Testing Laboratories, Orlando, FL
ASTM E330
Design Pressure: ± 70.0 psf (OS)
 ± 55.0 psf (OS)
 ± 60.0 psf (OS)
 ± 65.0 psf (IS)
Water penetration resistance: 10.00psf
6. Test Reports CTLA-1051W, signed and sealed by Ramesh Patel, P.E.
Certified Testing Laboratories, Orlando, FL
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
Cyclic Load Test, ± 70.0 psf design pressure
7. Test Report No.: TEL 03851468, signed by William B. Shelton, P.E.
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
8. 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



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9. Anchor calculations, report number 511980-1A, 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 514581, prepared, signed and sealed by Luis Roberto Lomas P.E.
12. Evaluation and comparative analysis, report number 514394, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: See installation instructions.
- Approved configurations: See installation instructions.
- Door panel size: 35 3/4" x 95 1/4"
- Sidelite panels to 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.
- Door frame material: Wood G.46 minimum or Framesaver, or Fusion Frame.
- Door panel material to be Fiberglass with wood side stiles and top and bottom rails.
- Approved lock hardware:
 - Schlage F-Series door knob with Schlage F-Series deadbolt.
 - Schlage F-Series door knob with Schlage B-Series deadbolt.
 - Emtek Residential Grade door hardware assembly.
 - Trilennium Multi-Point Lock Handle Assembly.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-01363, Revision E.

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).

