

L. Roberto Lomas P.E.

208 7th Ave

Indialantic, FL 32903

434-688-0609

rlomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 515417A

Manufacturer: The Muhler Company, Inc.
630 Skylark Drive
Charleston, SC 29407

Product Line: Muhler Door, Glazed, Outswing - Impact

Compliance:

The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-04082, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NTS 224-0012 signed and sealed by J. Scott Douglas P.E.
Moisture Intrusion Solutions, Daytona Beach, FL
ASTM E330
Design pressure: ± 50.0 psf
Water pressure: 7.50psf
ASTM E1886 and ASTM E1996
Large Missile Impact Test, Level D, Wind Zone 3
Cyclic Load Test, ± 50.0 design pressure
3. Anchor calculations, report number 515417-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Design pressure: ± 50.0 psf
- Unit size: 37 1/2" x 97 3/16"
- 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.
- Panel made out of 0.098" fiberglass skin with foam core.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-04082.

When the product specified herein is installed within 3000 ft. of a saltwater coastline, all anchors and clips must comply with saltwater environment corrosion resistance requirements of FBC Chapter 17.

Certification of Independence:

Please note that I do not 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 do not have nor will acquire a financial interest in any other entity involved in the approval process of the listed product(s).

