

L. Roberto Lomas P.E.

208 7th Ave.

Indialantic, FL 32903

434-688-0609

rlomas@lrlomaspe.com

Engineering Evaluation Report

Report No.: 513914B

Manufacturer: **The Muhler Company**
 630 Skylark Drive, Suite U
 Charleston, SC 29407

Product Line: Surround System SS90, glass insert, LMI

Compliance:

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

Supporting Technical Documentation:

1. Approval document: drawing number 08-03039 prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL-210-4040-02, signed by Chris Bennet.
National Certified Testing Laboratories, Orlando, FL.
AAMA/WDMA/CSA 101/I.S2/A440
Design Pressure: ± 50.0 psf
Water penetration resistance: 7.5psf
ASTM E1886/ E1996: Large Missile Impact, Level D, Wind Zone 4
 Cyclic Load Test, ± 50.0 psf design pressure
3. Comparative analysis, report number 513914-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: refer to installation instructions
- This product is not rated to be used in the HVHZ.
- Units must be glazed per ASTM E1300, refer to installation instructions for glass details
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- This evaluation is only for the Surround system SS90. Fenestration units and other protection systems attached to this system must have their own product approval according to the Florida Building Code.

Installation:

Surround system SS90 must be installed in accordance with manufacturer's installation instructions and approval document, 08-03039.

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 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).

