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Engineering Evaluation Report

Report No.: 514533B

Manufacturer: Lanai Doors
941 North Elm Street, Suite C
Orange, CA 92867

Product Line: Series E3 Hurricane Outswing Aluminum Bi-Fold Door, Impact HVHZ

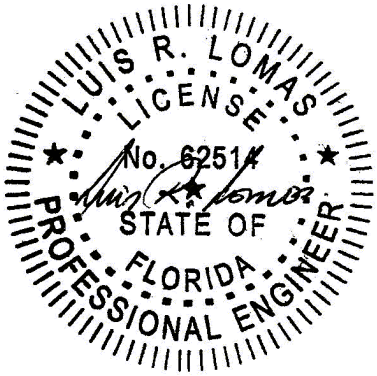
Compliance:
The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:
1. Approval document: drawing number 08-03492 Revision B, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: A0896.01-301-18 signed and sealed by Tyler Westerling P.E.
   Architectural Testing, Fresno, CA
   TAS 201/TAS 203 Large Missile Impact Test, Level D, Wind Zone 4
   Cyclic Pressure loading ±90.0psf design pressure (Standard Threshold)
   ±70.0psf design pressure (Flush Guide and Low Rise Threshold)
   TAS 202 Uniform Static Air Pressure, +100.0/-80.0psf design pressure, 8.25psf water penetration. (Standard Threshold)
   ±70.0psf design pressure (Flush Guide Threshold)
3. Anchor calculations, report number 514533-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.
4. Comparative analysis, report number 514533-2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:
- Design pressure: Refer to installation drawing.
- Panel size: 36” x 96”
- Units must be glazed per ASTM E1300, according to glazing details in approval drawing.
- This product is rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection in wind borne debris regions.
- Frame material to be Aluminum 6063-T5.

Installation:
Units must be installed in accordance with manufacturer’s installation instructions and approval document 08-03492, Revision B.
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).



Luis R. Lomas, P.E.
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