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Engineering Evaluation Report

Report No.: 510738E

Manufacturer: Bovard Studio, Inc.
2281 Highway 34 East
Fairfield, IA 52556

Product Line: 1850 Aluminum Fixed Shutter

Compliance:

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

Product description:

Aluminum Fixed Shutter. Frame made of extruded aluminum 6063-T52. Frame is of butt-type corner construction.

Supporting Technical Documentation:

1. Approval document: drawing number 08-00462 Revision E, prepared, signed and sealed by Luis Roberto Lomas, P.E.
2. Test Reports:
Test Report No.: NCTL-110-11301-1 signed and sealed by Harold E. Rupp, P.E.
National Certified Testing Laboratories.
TAS 201/ TAS 203
Large Missile Impact Test
Cyclic Pressure Loading, ± 75.0 psf design pressure
TAS 202
Uniform Static Air Pressure, ± 75.0 psf design pressure.
Mullion was impacted with #2 SYP 2x4, 102" long and 9lbs missile @ 50f/s
Maximum deflection at impact: .932"
Maximum deflection per Static Pressure: .396"
Mullion was impacted with #2 SYP 2x4, 102" long and 9lbs missile @ 50f/s
3. Anchor calculations, report number 510738-1B, prepared, signed and sealed by Luis Roberto Lomas, P.E.

Limitations and Conditions of use:

- Design pressure: ± 75.0 psf
- Panel size: 49 5/8" x 97 5/8"
- 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 extruded aluminum 6063-T52.
- Units must be glazed per ASTM E1300 see installation instructions for glass details.
- Panels may be mulled indefinitely as long as individual panel area does not exceed 33.64 ft²

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-00462 Revision E.

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)

