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Engineering Evaluation Report

Report No.: 512225C

Manufacturer: US Aluminum – Division of C.R. Laurence Co., Inc.
780 CelRiver Road
Rock Hill, SC 29730

Product Line: IG500/IG600 Storm Front Aluminum Store front - LMI

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

Supporting Technical Documentation:

1. Approval document: drawing number 08-01576, Revision C, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: ATLNC 0724.01-06 signed and sealed by David Johnson P.E.
American Test Lab, Inc., Brevard, NC
TAS 201-94 Large Missile Impact Test, Level D, Wind Zone 4
TAS 202 -94 (with AAMA 501) Uniform Static Air Pressure, ± 65.0 psf design pressure, 15.0psf water penetration.
TAS 203-94 Cyclic Pressure loading ± 65.0 psf design pressure
AAMA/WDMA/CSA 101/I.S.2/A440-05
Design pressure: ± 65.0 psf
Water penetration resistance 15.0psf
ASTM E1886-05 and ASTM E1996-05
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
ASTM E1886/ E1996 Cyclic Load Test, ± 65.0 psf design pressure
3. Anchor calculations, report number 512225-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ± 65.0 psf
- Maximum panel size: 62 ½" x 101" (Reinforced units)
62 ½" x 86 ½" (Non-Reinforced units)
- Units must be glazed per ASTM E1300-04/09, according with 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 extruded Aluminum 6063-T5.

Installation:

Units must be installed in accordance with manufacturers installation instructions and approval document, 08-01576, Revision C.

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).

