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Engineering Evaluation Report

Report No.: 514225

Manufacturer: MI Windows and Doors LLC
650 West Market Street
Gratz, PA 17030

Product Line: Series 120/130/140 Aluminum Sliding Glass Door Reinforced – Large and Small Missile Impact

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 current Florida Building Code.

Supporting Technical Documentation:

1. Approval documents: drawing numbers 08-03259, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Report No.: 1435.05-106-12-R4 signed and sealed by Michael D. Stremmel, P.E.
Molimo. LLC, York PA.
AAMA/WDMA/CSA 101/I.S.2/A440-11
Design pressure: ± 65.16 psf
Water penetration resistance: 6.90psf (2 5/8" sill extender)
9.20psf (3 1/2" sill extender)
3. Report No.: 1601.02-106-11-R1 signed and sealed by Michael D. Stremmel, P.E.
ASTM E1886-13 and ASTM E1996-14
ASTM E1886/E1996 Large Missile Impact, Level D, Wind Zone 3
ASTM E1886/E1996 Cyclic Load Test, ± 65.0 psf design pressure
4. Anchor calculations, report number 514225-1, prepared, signed and sealed by Luis Roberto Lomas P.E.
5. Comparative analysis, report number 514225-2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: Refer to approval drawing
- Panel size: 48 5/8" x 117 1/2"
- Approved configurations: OX, XO, XX, OXO, OXXO, PX, XP, PXXP, PIX, XIP, PIXXIP, XIX, OIX, XIO, PIIX, XIIP, XIIX, OIIX, XIIO, PIIIX, XIIIP, OXO, XIX-O, OIXXIO, PIIXXIIP.
- Units must be glazed per ASTM E1300-04/09, 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.
- Frame material to be Aluminum 6005-T5.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03259.

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).

