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Engineering Evaluation Report

Report No.: 514633

Manufacturer: Eastern Architectural Systems
16341 Domestic Avenue
Ft. Myers, FL 33912

Product Line: Series 650 Vinyl Sliding Glass Door with or without pocket CW-PG45 Impact

Compliance: The product mentioned above 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(a). The product listed herein complies with requirements of the current Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-03552, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL-210-4143-03A signed by Christopher Bennet.
National Certified Testing Laboratories, Orlando, FL.
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ± 45.0 psf
Water penetration resistance: 6.75psf without sill riser
9.0psf (with 0.522" sill riser)
12.0psf (with 1.44" sill riser)
15.0psf (with 1.94" sill riser)
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 3
ASTM E1886/ E1996 Cyclic Load Test, ± 50.0 psf design pressure
3. Test report No.: NCTL-210-4164-02 signed by Christopher Bennet.
National Certified Testing Laboratories, Orlando, FL.
AAMA/WDMA/CSA 101/I.S.2/A440
Design pressure: ± 45.0 psf
Water penetration resistance: 9.0psf (with 0.522" sill riser)
12.0psf (with 1.44" sill riser)
15.0psf (with 1.94" sill riser)
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 3
ASTM E1886/ E1996 Cyclic Load Test, ± 50.0 psf design pressure
4. Anchor calculations, report number 514633-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ± 45.0 psf
- Panel size: 50 1/4" x 92 11/16"
- 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 requires impact protection in wind borne debris regions up to wind zone 3.
- Frame material to be Vinyl PVC.
- Approved configurations: Multiple panels in 2track, 3track or 4track are approved as long as individual panel area does not exceed 32.38 ft².
- Units must be installed with 0.522" or 1.44" or 1.94" sill riser.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03552.

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).

