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Engineering Evaluation Report

Report No.: 514660A

Manufacturer: All American Window Company, LLC
1930 Hanahan Road, Suite 1400A
North Charleston, SC 29406

Product Line: Series 2100 Single Hung Window w/Storm Jamb - Impact

Compliance:

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

Supporting Technical Documentation:

1. Approval document: drawing number 08-03573 revision A, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test report No.: NCTL-210-4169-01 signed by Christopher Bennet.
National Certified Testing Laboratories, Orlando, FL.
AAMA/WDMA/CSA 101/I.S.2/A440 Design pressure: ± 40.0 psf
Water penetration resistance: 8.25psf
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 3
Cyclic Load Test, ± 50.0 psf design pressure
3. Test report No.: NCTL-210-4040-01, signed by Chris Bennet.
National Certified Testing Laboratories, Orlando, FL.
AAMA/WDMA/CSA 101/I.S.2/A440 Design Pressure: ± 50.0 psf
Water penetration resistance: 7.5psf
4. Test report No.: NCTL-210-4040-04, signed by Chris Bennet.
National Certified Testing Laboratories, Orlando, FL.
ASTM E1886/ E1996: Large Missile Impact, Level D, Wind Zone 3
Cyclic Load Test, ± 50.0 psf design pressure
5. Test report No.: NCTL-210-4120-01, signed by Christopher Bennett.
National Certified Testing Laboratories, Orlando, FL.
ASTM E330 Design Pressure: ± 50.0 psf
ASTM E1886/ E1996: Large Missile Impact, Level D, Wind Zone 3
Cyclic Load Test, ± 50.0 psf design pressure
6. Anchor calculations, report number 514660-1A, prepared, signed and sealed by Luis Roberto Lomas P.E.
7. Comparative analysis, report number 514660-2, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Design pressure: ± 40.0 psf
- Unit size: 53" x 75"
- Units must be glazed per ASTM E1300.
- This product is not rated to be used in the HVHZ.
- Units may installed using the following impact protection covering:
 - A. Muhler storm covering.
 - B. 1/8" thick polycarbonate for units with frame area up to 13.87 ft²
 - C. 3/16" thick polycarbonate for units with frame area up to 27.6 ft²
 - D. Impact protection system approved by the Florida Statewide approval system.
- This product is impact resistant and does not require impact protection in wind borne debris regions up to wind zone 3.
- Frame material to be Extruded PVC.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document 08-03573, revision A.

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).

