

L. Roberto Lomas P.E.

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Engineering Evaluation Report

Report No.: 510926F

Manufacturer: Viwintech
2400 Irvin Cobb Drive
Paducah, KY 42003-0588

Product Line: Shoreline Double Hung 5100 - 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(a). The product listed herein complies with requirements of the Florida Building Code.

Supporting Technical Documentation:

1. Approval document: drawing number 08-00206, revision E, prepared, signed and sealed by L. Roberto Lomas P.E.
2. Test report No. NCTL-110-10728-1 signed and sealed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA
AAMA/WDMA/CASA 101/I.S.2/A440-05
Design pressure: ± 70.0 psf
Water penetration resistance 10.5 psf
3. Test report No. NCTL-110-10728-2 signed and sealed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA
ASTM E1886-05 and ASTM E1996-04
ASTM E1886/ E1996 Large Missile Impact, Level D, Wind Zone 4
ASTM E1886/ E1996 Cyclic Load Test, ± 70.0 psf design pressure
4. Test report No.: NCTL-110-10728-3 signed and sealed by Robert H. Zeiders, P.E.
National Certified Testing Laboratories, York, PA
TAS 201-94 Large Missile Impact Test
TAS 202-94 Uniform Static Air Pressure, ± 70.0 psf design pressure, 10.5 psf water penetration.
TAS 203-94 Cyclic Pressure loading ± 70.0 psf design pressure
5. Anchor calculations, report number 510291D, prepared, signed and sealed by L. Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ± 70.0 psf
- Maximum unit size: 52" x 75"
- Maximum D.L.O.: 44 1/2" x 29 1/2"
- Units must be glazed per ASTM E1300-04/09 according with installation 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 white rigid PVC.

Installation:

Units must be installed in accordance with manufacturer's installation instructions and approval document, 08-00206 revision E.

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).

