

L. Roberto Lomas P.E.

1432 Woodford Rd.
Clemmons, NC 27012
336-945-9695

Engineering Evaluation Report

Report No.: 510371

Manufacturer: Vista Window Company (C.I.)
3850 Elm Rd
Warren, OH 44483

Product Line: Series CA55WW PVC Casement Window – Impact resistant

Compliance:

The above mentioned product has been evaluated for compliance with the requirements of the Florida Department of Community Affairs for Statewide Acceptance per Rule 9B-72.070 method 1(d). The product listed herein complies with the 2004 Florida Building Code with 2006 supplements.

Product description: Casement Window, impact resistant made out of white rigid PVC with mitered and welded corners. Tested frame included flange and fin configurations.

Supporting Technical Documentation:

1. Approval document: drawing number FL 00296, dated 10/30/07 sheets 1 of 2, titled CA55WW PVC Casement Window, prepared, signed and sealed by L. Roberto Lomas P.E
2. Test report No.: 76104.02-501-47, signed by Michael Clay and Lynn George Architectural Testing Inc.
AAMA/WDMA/CSA 101/I.S.2/A440-05
Design pressure: ±50.0 psf
Water penetration resistance: 7.52 psf
3. Test report No.: 75443.02-501-44, signed by Michael Clay and Michael L. Mackereth Architectural Testing Inc.
ASTM E1886-02 and ASTM E1996-02
ASTM E1886/E1996 Large Missile Impact Test, Level D, Wind Zone 4
ASTM E 1886/E1996 Cyclic Load Test, ±50.0 psf design pressure
4. Anchor calculations, report number 510372, prepared, signed and sealed by L. Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: ±50.0 psf
- Maximum unit size: 30"x84"
- Maximum D.L.O.: 23 3/4"x77 3/4"
- Units must be glazed with 3/4" IGU consisting of: inboard lite 1/8" annealed – Air – laminated exterior panel consisting of 1/8" annealed – 0.090 Solutia Saflex interlayer – 1/8" annealed, per ASTM E 1300-02.
- This product is not rated to be used in the HVHZ.
- This product is impact resistant and does not require impact protection.
- Frame material to be white rigid PVC

Installation:

- Units must be installed in accordance with approval document, FL 00296.

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).

