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Engineering Evaluation Report

Report No.: 511387

Manufacturer: PGT Industries
1070 Technology Drive
Nokomis, FL 34275

Product Line: 3LT HR2810MI PVC Horizontal Roller Window

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 Requirements of the Florida Building Code including the HVHZ.

Supporting Technical Documentation:

1. Approval document: drawing number 08-00844, titled 3LT HR2810MI PVC Horizontal Roller Window, prepared, signed and sealed by Luis Roberto Lomas P.E.
2. Test Report No. NCTL 210-3641-3, signed and sealed by Gerard J. Ferrara P.E.
National Certified Testing Laboratories, Orlando, FL.
TAS 201-94 Large Missile Impact Test
TAS 202-94 Uniform Static Air Pressure, +75.0/-100.0psf design pressure, 12psf water infiltration
TAS 203-94 Cyclic Pressure Loading, +75.0/-100.0psf design pressure
3. Test Report No. NCTL 210-3641-3A, signed and sealed by Gerard J. Ferrara P.E.
National Certified Testing Laboratories, Orlando, FL
AAMA/WDMA/CSA 101/I.S.2/ A440-05
Design pressure: +75.0/-100.0psf
Water penetration resistance: 12psf
ASTM E 1886-02/-05 and ASTM E1996-02/-05
ASTM E 1886/E 1996 Large Missile Impact Test, Level D, Wind Zone 4
ASTM E 1886/E 1996 Cyclic Load Test, +75.0/-100.0psf design pressure
4. Anchor calculations, report number 511387-1, prepared, signed and sealed by Luis Roberto Lomas P.E.

Limitations and Conditions of use:

- Maximum design pressure: +75.0/-100.0psf
- Maximum overall size: 130" x 63"
- Maximum Active sash size: 36 1/4" x 59 9/16"
- Maximum Active sash D.L.O.: 32 3/8" x 54 1/4"
- Maximum Fixed sash size: 57 7/8" x 59 3/8"
- Maximum Fixed sash D.L.O.: 51 1/4" x 54 1/4"
- Units may be glazed with:
 - 7/8" IGU consisting of outboard laminated lite consisting of: 1/8" HS – 0.090" Sentry GlasPlus – 1/8" HS – Air – inboard lite 1/8" Temp
 - 5/16" monolithic laminated glass consisting of: 1/8" HS – 0.090" Sentry GlasPlus – 1/8" HS
- 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 extruded white rigid PVC .075" thick.
- Sash material to be extruded white rigid PVC .070" thick.

Installation:

- Units must be installed in accordance with approval document, 08-00844

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).

