

*L. Roberto Lomas P.E.*

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**Engineering Evaluation Report**

**Report No.: 511389**

**Manufacturer: PGT Industries**  
**1070 Technology Drive**  
**Nokomis, FL 34275**

**Product Line:** DH2860 PVC Oriel Double Hung 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.

**Supporting Technical Documentation:**

1. Approval document: drawing number 08-00846, titled DH2860 PVC Oriel Double Hung Window, prepared, signed and sealed by Luis Roberto Lomas, P.E.
2. Test Report No. NCTL 210-3641-1, Stucco Flange and, Box Frame installation, 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, +65.0/-80.0psf design pressure, 15psf water infiltration  
TAS 203-94 Cyclic Pressure Loading, +65.0/-80.0psf design pressure
3. Test Report No. NCTL 210-3641-1A, Stucco Flange and, Box Frame installation, 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: +65.0/-80.0psf  
Water penetration resistance: 15psf  
ASTM E 1886-05 and ASTM E1996-05  
ASTM E 1886/E 1996 Large Missile Impact Test, Level D, Wind Zone 4  
ASTM E 1886/E 1996 Cyclic Load Test, +65.0/-80.0psf design pressure
4. Anchor calculations, report number 511389-1, prepared, signed and sealed by Luis Roberto Lomas, P.E.

**Limitations and Conditions of use:**

- Maximum design pressure: +65.0/-80.0psf
- Maximum overall size: 53 1/4" x 78"
- Maximum top sash size: 49" x 50 1/2"
- Maximum bottom sash size: 50" x 25 1/4"
- Maximum D.L.O.: 44 1/2" x 45 3/4"
- Units must be glazed per ASTM E1300 with:
  - 7/8" IGU consisting of exterior laminated lite consisting of: 1/8" HS – 0.090" Sentry GlasPlus by DuPont - 1/8" HS – Air – 1/8" Temp interior lite, or;
  - 11/32" laminated consisting of: 1/8" HS - .090" Butacite PVB by Dupont – 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, 08-00846

**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).

