

**Evaluation Report PEL-369B**  
September 26, 2023

**Product Description:** Series 510 PVC Single Hung, Large Missile Impact, 52" x 72" unit size, 53 1/4" x 73 1/4" flange size, 7/8" Insulating Glass consisting of 3/16 Tempered outboard lite – Air – 5/16 Laminated (1/8Ann-.090SGP-1/8Ann) inboard lite, +67.5/-100 PSF

**Manufacturer:** Pella Corporation, 102 Main Street, Pella, IA 50219

**Statement of Compliance:** This report evaluates the above-listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005 (4). This product complies with the requirements of the 8<sup>th</sup> Edition (2023) Florida Building Code including the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

**Technical Documentation:**

- 1) Approval drawing PEL-369B, signed and sealed by Lucas A. Turner, P.E.
- 2) Test Report NCTL-210-3531-1, by National Certified Testing Laboratories, Orlando, FL, signed and sealed by Gerard J. Ferrara, with testing performed: TAS 201/202/203-94
- 3) Supplemental Calcs to support PEL-369B, signed and sealed by Lucas A. Turner, P.E.

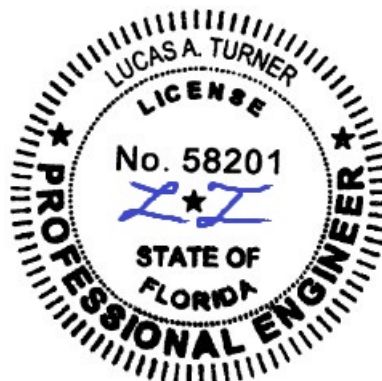
**Installation:** Units must be installed according to approval document PEL-369B.

**Limitations of Use:** This product:

- May be used in O/X configuration in sizes up to 52" x 72" unit size
- May have max. glass DLO heights of 32 7/16" for fixed panel and 32 1/2" for sash
- Achieves design pressures of +67.5/-100 psf
- Is impact resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires 7/8" Insulating Glass consisting of 3/16 Tempered outboard lite – Air – 5/16 Laminated (1/8Ann-.090SGP-1/8Ann) inboard lite.
- Requires Kuraray SentryGlas Interlayer per current Miami-Dade NOA<sup>†</sup>
- Requires Quanex or Veka white rigid PVC framing per current Miami-Dade NOA<sup>†</sup>

<sup>†</sup> I have evaluated these interlayer and framing materials and find that they comply with the requirements of the 8<sup>th</sup> Ed. (2023) Florida Building Code for use in this product.

**Certification of Independence:** I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in Pella Corporation or in any company manufacturing or distributing products for which this report is being issued. I do not have, nor do I intend to acquire, nor will I acquire, a financial interest in any other entity involved in the testing or approval process of this product.



9/26/2023  
Lucas A. Turner, P.E.  
FL PE #58201