

**Evaluation Report PEL-163A**  
October 5, 2023

**Product Description:** Series 545 PVC Awning Window, Large Missile Impact, 48" x 36" unit size, DP 67.5

**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) This report, prepared by Lucas A. Turner, PE, at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing PEL-163A, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3670-1, -1A, -2, -2A, from National Certified Testing Laboratories, Orlando, FL signed and sealed by Gerard J. Ferrara, P.E., with testing performed with equivalency to: TAS 201/202/203 1994, AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17, ASTM E 1886-13a/19, and ASTM E 1996-14a/17/20
- 4) Supplemental Calculations to support PEL-163A, signed and sealed by Lucas A. Turner, P.E.

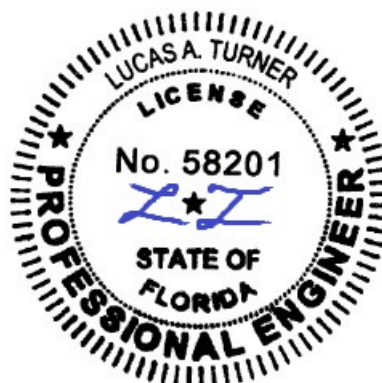
**Installation:** Units must be installed according to approval document PEL-163A.

**Limitations of Use:** This product:

- May be used in X configuration in sizes up to 48" x 36" unit size, with 1/8" (Ann. or Temp.) outboard, -air- 1/8Ann-090PVB-1/8Ann laminated inboard glass
- Requires outer lite in I.G. to be fully tempered when used in HVHZ above 30 ft of grade
- Requires max. glass daylight sizes as shown in PEL-163A
- Achieves design pressures of +/-67.5 psf
- Is large missile impact resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires Kuraray Butacite PVB 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.



10/5/2023  
Lucas A. Turner, P.E.  
FL PE #58201