

**Evaluation Report PEL-155C**  
September 26, 2023

**Product Description:** Series 510 PVC Single Hung, Large Missile Impact, 53 1/8" x 76" unit size at up to +/-67.5 PSF, 36" x 62" unit size at up to +67.5/-75 PSF, 7/8" Insulating Glass consisting of 1/8" Annealed or Tempered outboard lite – Air – 5/16 Laminated (1/8Ann-.090PVB-1/8Ann) inboard lite

**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-155C, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3668-1, -1A, -2, -2A, 3669-1, -1A, -2, and -2A, by National Certified Testing Laboratories, Orlando, FL, signed and sealed by Gerard J. Ferrara, and PRI-1778T0012.01/02/03/1778T0018, by PRI Construction Materials Technologies, Tampa, FL, signed and sealed by Zachary R. Priest, with testing performed with equivalency to: TAS 201/202/203-94, ASTM E 1886-13a/19, ASTN E 1996-14a/17/20, and AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17
- 4) Supplemental Calcs. to support PEL-155C, signed and sealed by Lucas A. Turner, P.E.

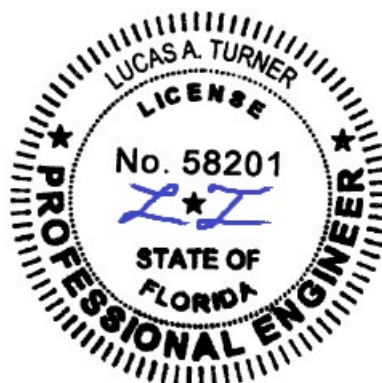
**Installation:** Units must be installed according to approval document PEL-155C.

**Limitations of Use:** This product:

- May be used in O/X configuration in sizes, design pressures, and with max. glass DLO heights as shown in PEL-155C
- 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 1/8" Annealed or Tempered outboard lite (Tempered required above 30 ft in HVHZ) – Air – 5/16 Laminated (1/8Ann-.090PVB-1/8Ann) inboard lite
- Requires PVB Interlayer: Kuraray Trosifol or Eastman Saflex, per current Miami-Dade NOA<sup>†</sup>
- Requires Quanex or Veka white rigid PVC framing per 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