

**Evaluation Report PEL-958C**  
September 26, 2023

**Product Description:** Series 510 PVC Single Hung, Large Missile Impact, 35 3/4" x 70 3/4" max. unit size at +/-70 psf for flange configuration and +/-65 psf for fin configuration.

**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 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-958C, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3946-02, -2A, -04, and -4A, by National Certified Testing Laboratories, Orlando, FL (TAS reports 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: AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17, ASTM E1886-13a/19, ASTM E1996-14a/17/20 and TAS 201/202/203-94
- 4) Supplemental Calculations to support PEL-958C, signed and sealed by Lucas A. Turner, P.E.

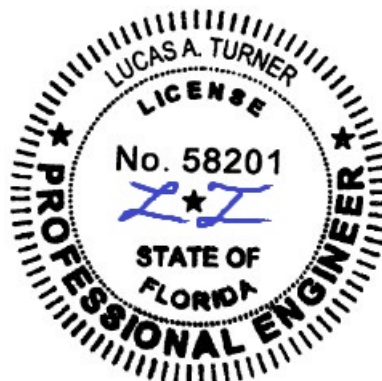
**Installation:** Units must be installed according to approval document PEL-958C.

**Limitations of Use:** This product:

- May be used up to the sizes and daylight openings with glazing as indicated in PEL-958C
- Achieves design pressures of +/-70 psf for flange and +/-65 psf for fin
- Is Large Missile impact resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires outer lite in I.G. to be safety glass when used in HVHZ above 30 ft of grade
- Requires PVB Interlayer: Kuraray Trosifol or Eastman Saflex 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