

**Evaluation Report PEL-510A**

August 15, 2023

**Product Description:** Series FX-515 PVC Picture Window, Large Missile Impact, Continuous Head and Sill, twin configuration with integral mullion, 74 1/8" x 72" unit size DP67.5

**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 8th Edition (2023) Florida Building Code including the HVHZ. The product testing standards performed are outlined below.

**Technical Documentation:**

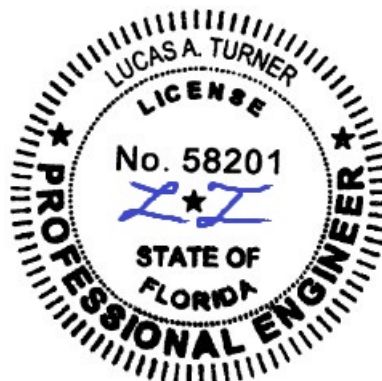
- 1) This report, prepared by Lucas A. Turner, PE, at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing PEL-510A, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3622-1, -1A, -2, -2A National Certified Testing Laboratories, Orlando, FL, signed and sealed by Gerard J. Ferrara, P.E. with testing performed with equivalency to: TAS 201/202/203-94, including impact at midspan of integral mullion, AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17, ASTM E1886-13a/19, and ASTM E1996-17/20, including impact at midspan of integral mullion
- 4) Supplemental Calculations to support PEL-510A, signed and sealed by Lucas A. Turner, P.E.

**Installation:** Units must be installed according to approval document PEL-510A.

**Limitations of Use:** This product:

- May be used in twin unit configuration O – integral mullion – O with continuous head and sill in sizes up to 74 1/8" x 72" unit size (36 3/8" max. single unit width), 75 3/8" x 73 1/4" flange size, with max. glass daylight sizes of 32 3/16" wide x 67 13/16" high
  - Achieves a max. design pressure of +67.5/-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 3/16Ann or Temp – Air – 1/8Ann-.105PVB-1/8Ann glass minimum
  - Requires outer lite in I.G. to be safety glass when used in HVHZ above 30 ft of grade
  - 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.



8/15/2023  
Lucas A. Turner, P.E.  
FL PE #58201