

Evaluation Report PEL-496A

October 3, 2023

Product Description: Series 590 PVC Sliding Glass Door, Non-Impact, 4'x8' nominal panel size, 3/16 Tempered – Air – 3/16 Tempered glass

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 High Velocity Hurricane Zone. The product testing standards performed are outlined below.

Technical Documentation:

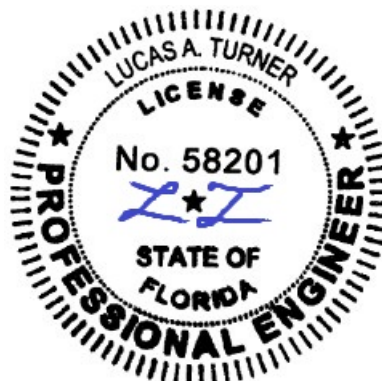
- 1) This report, prepared by Lucas A. Turner, PE, at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing PEL-496A, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3614-3 and -3A, National Certified Testing Laboratories, Orlando, FL, signed and sealed by Gerard Ferrara, PE, with testing performed with equivalency to: TAS 202-94 (Full 202 performed on 3 identical specimens of 190_1/8" x 95_1/2" size OXXO with Design Pressure +/- 60 psf), AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17
- 4) Supplemental Calcs. to support PEL-496A, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document PEL-496A.

Limitations of Use: This product:

- May be used with door heights up to 95_1/2", with 45 5/8" max. panel widths and 41 1/2" x 85 7/8" max. glass DLO sizes
- Achieves the design pressures shown in PEL-496A
- Is non-impact resistant and requires the use of shutters in windborne debris regions
- May be used in the High Velocity Hurricane Zone
- Requires 3/16 Tempered – Air – 3/16 Tempered glass minimum
- Requires Quanex or Veka white rigid PVC framing per current Miami-Dade NOA. I have evaluated these framing materials and find that they comply with the requirements of the 8th 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.



10/3/2023
Lucas A. Turner, P.E.
FL PE #58201