

Evaluation Report PEL-1150A

October 2, 2023

Product Description: Series 580 Vinyl Sliding Glass Door, Large Missile Impact Resistant, 4' nominal panel widths, 96" door heights, with design pressures of +/-50 psf (annealed laminated glass) and +/-65 psf (heat strengthened laminated glass), with panel reinforcement required as shown in PEL-1150A

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-1150A, signed and sealed by Lucas A. Turner, P.E.
- 3) Keystone Certifications CAR documents 138-569, 570, 1394.0, 1395.0, 1397.0, and 1398.0
- 4) Test Reports F1575.05/06/07/08/09/10/11/12/13-401-18/44, from Intertek/ATI, Tampa, FL (TAS testing signed/sealed by Justin P. McDonald), and CWS-010-02-01/02, by PRI Construction Materials Technologies, Tampa, FL (TAS testing signed/sealed by Zachary R. Priest), with testing performed with equivalency to: TAS 201/202/203-94, AAMA/WDMA/CSA 101/I.S.2/A440-11/17, ASTM E 1886-13a/19, ASTM E 1996-14a/17/20
- 5) Supplemental Calcs. to support PEL-1150A, signed and sealed by Lucas A. Turner, P.E.

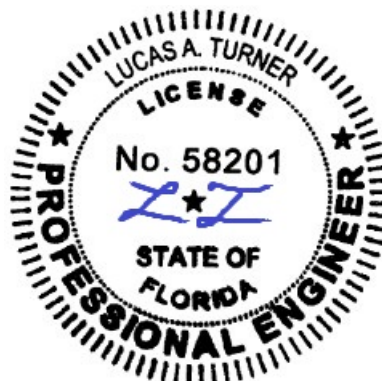
Installation: Units must be installed according to approval document PEL-1150A.

Limitations of Use: This product:

- May be used in sizes, design pressures, and with max. glass DLO sizes as shown in PEL-1150A
- Is large missile (9lb 2x4, 50 ft/s) impact resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone and ASTM Wind Zone 4 areas
- Requires laminated glazing as shown in PEL-1150A, with Kuraray Butacite PVB Interlayer per current Miami-Dade NOA[†]
- Requires Vision Extrusions PVC frames in accordance with current NOA[†]

[†] I have evaluated these interlayer and framing materials 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.



10/2/2023
Lucas A. Turner, P.E.
FL PE #58201