

Evaluation Report PEL-1148A
October 2, 2023

Product Description: Series 580 Vinyl Sliding Glass Door, non-impact, 5' nominal panel widths, 96" door heights, with design pressures of +/-80 psf (additional comparative analysis pressures included in installation drawing), with heavy panel reinforcement required as shown in PEL-1148A

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-1148A, signed and sealed by Lucas A. Turner, P.E. on 7/6/2016
- 3) Keystone Certifications CAR document 138-1399.0
- 4) Test Reports F1575.04/14-401-44, from Intertek/ATI, Tampa, FL, and CWS-010-02-03/04, by PRI Construction Materials Technologies, Tampa, FL, signed and sealed by Zachary Priest, P.E., with testing performed with equivalency to: TAS 202-94, AAMA/WDMA/CSA 101/I.S.2/A440-11/17
- 5) Supplemental Calcs. to support PEL-1148A, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document PEL-1148A.

Limitations of Use: This product:

- May be used in sizes, design pressures, and with max. glass DLO sizes as shown in PEL-1148A
- Is non-impact resistant and requires the use of shutters in windborne debris regions
- May be used in the High Velocity Hurricane Zone
- Requires Fully Tempered Insulating Glass as shown in PEL-1148A
- Requires Vision Extrusions PVC frames in accordance with current Miami-Dade NOA. I have evaluated this framing material and find that it complies 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