

Evaluation Report 485F
September 13, 2023

Product Description: Series 8100 PVC Single Hung Window, Non Impact, 52" x 71" unit size 53 1/4" x 72 1/4" flange size

Manufacturer: Custom Window Systems, Inc. 1900 SW 44th Ave, Ocala, FL 34474

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 CWS-485F, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3599-2 and NCTL-210-3599-3, from National Certified Testing Laboratories, Orlando, FL signed and sealed by Gerard J. Ferrara, P.E., with testing performed: TAS-202-94 (Full 202 performed on 3 identical specimens of 52"x62" unit size with Design Pressure +/- 70 psf, and 3 identical specimens of 52"x71" unit size with Design Pressure +/- 67.5 psf)
- 4) Supplemental Calcs. to support CWS-485F, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document CWS-485F.

Limitations of Use: This product:

- May be used in O/X config. in sizes up to 52" x 71" unit size, or 53 1/4" x 72 1/4" flange size, with max. glass daylight heights of 31 7/16" for fixed panel and 31 1/2" for sash
- Achieves design pressures as indicated in comparative analysis table in CWS-485F
- Is non-impact and requires the use of shutters in windborne debris regions
- May be used in the High Velocity Hurricane Zone
- Requires 3/16Ann – Air – 3/16Ann 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. (2028) 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 Custom Window Systems 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.



9/13/2023
Lucas A. Turner, P.E.
FL PE #58201