

**Evaluation Report 506E**

August 3, 2023

**Product Description:** Series 8150 PVC Fixed Window, Non-Impact, 50" x 72" unit size  
51 1/4" x 73 1/4" flange size, 3/16 – air – 3/16 annealed or tempered IG glass

**Manufacturer:** Custom Window Systems, Inc. 1900 SW 44<sup>th</sup> 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 8<sup>th</sup> Edition (2023) Florida Building Code including the High Velocity Hurricane Zone. The product testing standards performed are outlined below.

**Technical Documentation:**

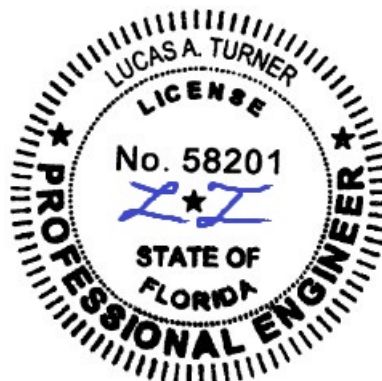
- 1) This report, prepared by Lucas A. Turner, PE, at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing CWS-506E, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Report NCTL-210-3619-2 and -2A, from National Certified Testing Laboratories, Orlando, FL, signed and sealed by Gerard J. Ferrara, P.E., with testing performed with equivalency to: TAS 202 1994 (Full 202 performed on 3 identical specimens of 50"x72" unit size with Design Pressure +/- 55 psf), and AAMA/WDMA/CSA 101/LS.2/A440-08
- 4) Supplemental Calcs. to support CWS-506E, signed and sealed by Lucas A. Turner, P.E.

**Installation:** Units must be installed according to approval document CWS-506E.

**Limitations of Use:** This product:

- May be used in O configuration in sizes up to 50" x 72" unit size, 51 1/4" x 73 1/4" flange size, with max. glass daylight size of 45 13/16" x 67 13/16"
- Achieves design pressures as indicated in comparative analysis table in CWS-506E
- Is non-impact and requires the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires 3/16 Ann. –air– 3/16 Ann. IG 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 8<sup>th</sup> Ed. (2023) Florida Building Code incl. HVHZ 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.



8/3/2023  
Lucas A. Turner, P.E.  
FL PE #58201