

Evaluation Report 506D
August 04, 2020

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 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 7th Edition (2020) 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-506D, 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.
 - a. Testing Performed: TAS 202 1994 (Full 202 performed on 3 identical specimens of 50"x72" unit size with Design Pressure +/- 55 psf)
 - b. Testing Performed: AAMA/WDMA/CSA 101/I.S.2/A440-05
- 4) Supplemental Calcs. to support CWS-506D, signed and sealed by Lucas A. Turner, P.E.

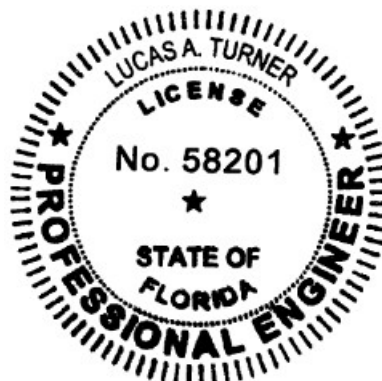
Installation: Units must be installed according to approval document CWS-506D.

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-506D
- 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 Miami-Dade NOA 17-0206.10[†] or 17-0228.04[†]

[†] I have evaluated the framing materials in these Quanex and Veka NOAs and find that they comply with the requirements of the 7th Ed. (2020) 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.



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08/04/2020
Lucas A. Turner, P.E.
FL PE #58201