

**Evaluation Report 508D**  
August 04, 2020

**Product Description:** Series 8400 PVC Casement Window, Non Impact, 36" x 72" unit size  
37 1/4" x 73 1/4" flange size, 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 7<sup>th</sup> 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-508D, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3619-3, from National Certified Testing Laboratories, Orlando, signed and sealed by Gerard J. Ferrara, P.E.
  - a. Testing Performed: TAS 202 1994 (Full 202 performed on 3 identical specimens of 36" x 72" unit size with Design Pressure +/- 60 psf)
- 4) Supplemental Calculations to support CWS-508D, signed and sealed by Lucas A. Turner, P.E.

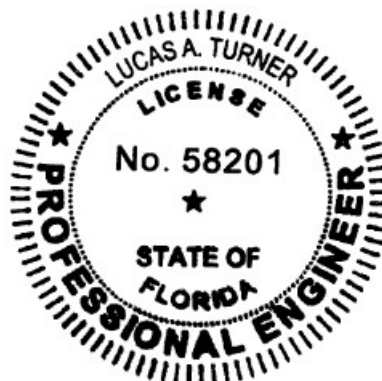
**Installation:** Units must be installed according to approval document CWS-508D.

**Limitations of Use:** This product:

- May be used in X configuration in sizes up to 36" x 72" unit size, or 37 1/4" x 73 1/4" flange size, with max. glass daylight size of 29 1/2" x 65 1/2"
- Achieves design pressures as indicated in comparative analysis table in CWS-508D
- Is non-impact and requires the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires 3/16 Annealed or Tempered IG Glass
- Requires Quanex or Veka white rigid PVC framing per Miami-Dade NOA 17-0206.10<sup>†</sup> or 17-0228.04<sup>†</sup>

<sup>†</sup> I have evaluated the framing materials in these Quanex and Veka NOAs and find that they comply with the requirements of the 7<sup>th</sup> 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  
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