

**Evaluation Report 159G**

August 3, 2023

**Product Description:** Series 8300 PVC Fixed Window, Large Missile Impact, 48" x 72" unit size DP55 or 72" x 76" unit size DP67.5 (DP65 outside HVHZ)

**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 HVHZ. 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-159G, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3954-01 and -1A, and NCTL-210-3955-01 and -1A, from National Certified Testing Laboratories, Orlando, FL, with testing performed with equivalency to: AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17, ASTM E1886-13a/19, ASTM E1996-17/20, and TAS 201/202/203-94 (TAS reports 3954-1A and 3955-1A signed and sealed by Gerard J. Ferrara, P.E.)
- 4) Supplemental Calculations to support CWS-159G, signed and sealed by Lucas A. Turner, P.E.

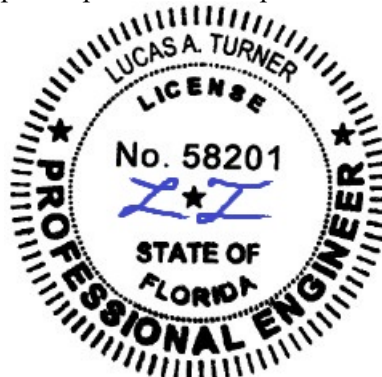
**Installation:** Units must be installed according to approval document CWS-159G.

**Limitations of Use:** This product:

- May be used in O configuration in sizes up to 48" x 72" unit size at design pressures of +/-55 psf, or in sizes up to 72" x 76" unit size at design pressures of +/-67.5 psf in HVHZ or +/-65 psf outside the HVHZ, with max. glass daylight sizes as shown in CWS-159G
- Is large missile impact resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires outer lite in I.G. to be safety glass when used in HVHZ above 30 ft of grade
- Requires glazing as shown in CWS-159G, with Kuraray SentryGlas Interlayer per current Miami-Dade NOA<sup>†</sup> in DP65 or 67.5 units or Kuraray Butacite PVB Interlayer per current Miami-Dade NOA<sup>†</sup> in DP55 units
- Requires Quanex or Veka white rigid PVC framing per current Miami-Dade NOA<sup>†</sup>

<sup>†</sup> I have evaluated these interlayer and framing materials and find that they comply with the requirements of the 8<sup>th</sup> 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 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.  
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