

**Product Description:** Series 8100 PVC Single Hung, Large Missile Impact, 52” x 96” unit size Oriel configuration at +/-70 PSF

**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-295I, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3946-05 and -5A, by National Certified Testing Laboratories, Orlando, FL, TAS testing signed and sealed by Gerard J. Ferrara, and PRI-1778T0012.01/02/03/1778T0018, by PRI Construction Materials Technologies, Tampa, FL, signed and sealed by Zachary R. Priest, with testing performed with equivalency to: TAS 201/202/203-94, ASTM E 1886-13a/19, ASTN E 1996-14a/17/20, and AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17
- 4) Supplemental Calculations to support CWS-295I, signed and sealed by Lucas A. Turner, P.E.

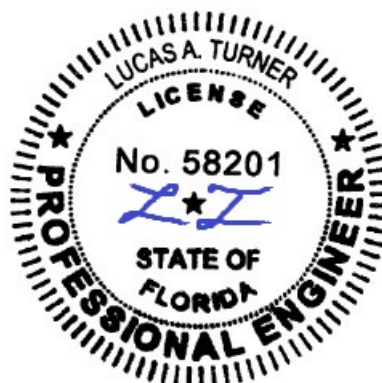
**Installation:** Units must be installed according to approval document CWS-295I.

**Limitations of Use:** This product:

- May be used in sizes and configurations as shown in CWS-295I
- Is impact resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires 7/8” Insulating Glass consisting of, in the Fixed Lite: 3/16 Ann. or Temp. outboard (Tempered required above 30 ft in HVHZ) – Air – 7/16 Laminated (3/16Ann-.090SGP-3/16Ann). In the Sash: 1/8 Ann. or Temp. outboard lite (Tempered required above 30 ft in HVHZ) – Air – 5/16 Laminated (1/8Ann-.090PVB-1/8Ann)
- Requires in Sash PVB Interlayer: Kuraray Trosifol or Eastman Saflex per current Miami-Dade NOA<sup>†</sup>
- Requires in Fixed Kuraray SentryGlas Interlayer per current Miami-Dade NOA<sup>†</sup>
- 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.



9/13/2023  
Lucas A. Turner, P.E.  
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