

Evaluation Report 812F
September 13, 2023

Product Description: Series 8100 PVC Single Hung, Large Missile Impact, 51 7/8" x 61 3/4" unit size, +/-70 PSF, no anchors in sill

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 8th 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-812F, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Report NCTL-210-3815-1A, -2, and -2A, by National Certified Testing Laboratories, Orlando, FL, 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, ASTM E 1996-14a/17/20 and AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17
- 4) Supplemental Calculations to support CWS-812F, signed and sealed by Lucas A. Turner, P.E.

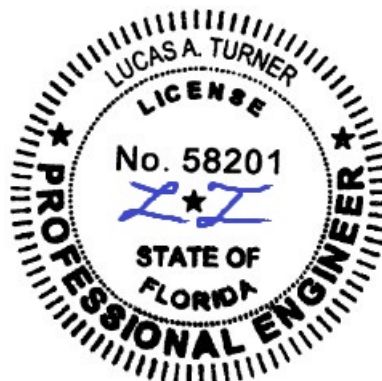
Installation: Units must be installed according to approval document CWS-812F.

Limitations of Use: This product:

- May be used in O/X configuration in sizes and with max. glass DLO heights as shown in CWS-812F
- 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 1/8 Annealed or Tempered outboard lite (Tempered required above 30 ft in HVHZ) – Air – 5/16 Laminated (1/8Ann-.090PVB-1/8Ann) inboard lite
- Requires PVB Interlayer: Kuraray Trosifol or Eastman Saflex per current Miami-Dade NOA[†]
- Requires Quanex or Veka white rigid PVC framing per current Miami-Dade NOA[†]

[†] I have evaluated these interlayer and framing materials and find that they comply with the requirements of the 8th 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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