

Evaluation Report 871D

August 04, 2020

Product Description: Series 8200 PVC Horizontal Slider Window, Large Missile Impact (HVHZ), XO or OX 74"x63" unit size with design pressures of +/-60 psf (Fin or Flange window)

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-871D, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3887-1, -1A, -2, and -2A, by National Certified Testing Laboratories, Orlando, FL, signed and sealed by Gerard J. Ferrara, with testing performed: TAS 201, 202, 203 '94, ASTM E 1886 '02/04/05, ASTM E 1996 '04/06/09, and AAMA/WDMA/CSA 101/I.S.2/A440 '08
- 4) Supplemental Calculations to support CWS-871D, signed and sealed by Lucas A. Turner, P.E.

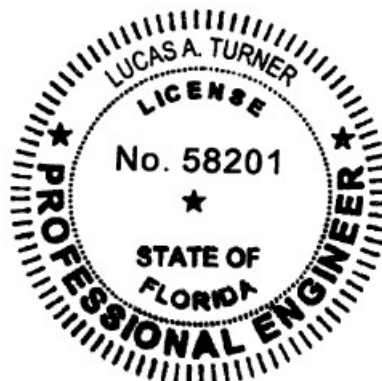
Installation: Units must be installed according to approval document CWS-871D.

Limitations of Use: This product:

- May be used up to the sizes and daylight openings indicated in CWS-871D
- Achieves design pressures of +/-60 psf
- Is Large Missile impact resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires Kuraray Butacite PVB Interlayer per Miami-Dade NOA 19-0305.02[†]
- Requires Quanex or Veka white rigid PVC framing per Miami-Dade NOA 17-0206.10[†] or 17-0228.04[†]

[†] I have evaluated the interlayer and framing materials in these Kuraray, 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