

**Evaluation Report 373E**  
August 3, 2023

**Product Description:** Series 8300 PVC Fixed Window, Large Missile Impact, 48" x 120" unit size 49 1/4" x 121 1/4" flange size, 1/4 Temp. – air – 7/16 Lami HS (3/16-.090SGP-3/16) 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 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, P.E., at 2428 Old Natchez Trc Trl, Camden, TN
- 2) Approval drawing CWS-373E, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3591-1, and -1A, from National Certified Testing Laboratories, Orlando, FL signed and sealed by Gerard J. Ferrara, P.E., with testing performed with equivalency to: AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17, ASTM E1886-13a/19 and ASTM E1996-17/20, and TAS 201/202/203-94
- 4) Supplemental Calculations to support CWS-373E, signed and sealed by Lucas A. Turner, P.E.

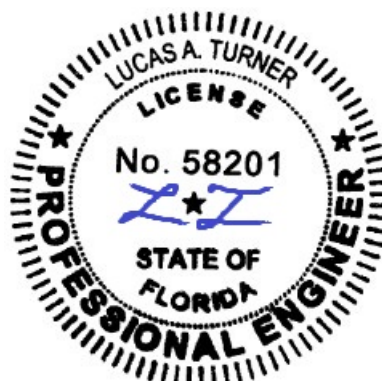
**Installation:** Units must be installed according to approval document CWS-373E.

**Limitations of Use:** This product:

- May be used in O configuration in sizes up to 48" x 120" unit size, 49 1/4" x 121 1/4" flange size, with max. glass daylight size of 45 1/8" x 117 1/8"
- Achieves a design pressure of +70/-70 psf
- Is large missile impact resistant and does not require the use of shutters
- May be used in the High Velocity Hurricane Zone
- Requires 1/4 Temp. –air– 3/16 HS - .090SGP - 3/16 HS laminated IG glass minimum
- Requires Kuraray SentryGlas Plus 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.



8/3/2023  
Lucas A. Turner, P.E.  
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