

Evaluation Report 431E
September 14, 2023

Product Description: PVC 4" Mullion H-1759

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-431E, signed and sealed by Lucas A. Turner, P.E.
- 3) Test Reports NCTL-210-3424-1, -1A, -2, -2A, -3, -3A, -4, and -4A, and NCTL-210-3426-1, -1A, -2, -2A, -3, -3A, -4, and -4A, from National Certified Testing Laboratories, Orlando, FL signed and sealed by Gerard J. Ferrara, P.E., with testing performed with equivalency to: TAS 202-94, AAMA/WDMA/CSA 101/I.S.2/A440-08/11/17, and AAMA 450-10/20
- 4) Supplemental Calcs. to support CWS-431E, signed and sealed by Lucas A. Turner, P.E.

Installation: Units must be installed according to approval document CWS-431E.

Limitations of Use: This product:

- May be used up to the sizes and design pressures as shown in CWS-431E, using clips as shown in CWS-431E
- Is non-impact and requires the use of shutters in windborne debris regions
- May be used in the High Velocity Hurricane Zone
- May only be used with Custom Window System, Inc. PVC windows, please see separate individual window unit approvals for applicable design pressures and for more details. The lower of the individual window design pressures and the mullion design pressures shall apply to the entire assembly.
- Requires 6063-T6 aluminum mullion and clip extrusions.

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.



9/14/2023
Lucas A. Turner, P.E.
FL PE #58201