

PRODUCT APPROVAL EVALUATION REPORT

<u>Product Manufacturer:</u> C.T. Windows, LLC. 9195 Boggy Creek Rd. #1 Orlando, FL 32824	<u>Product Name/Model & Description:</u> Series T600B Window Wall – Shallow Mullion (LMI & SMI) Window Wall – large & small missile impact
---	---

Scope: This product has been evaluated by the below-signed Florida Professional Engineer for compliance with the Code noted herein and is, for the purpose intended, at least equivalent to that required by the Code, in accordance with section 553.842 F.S. & chapter 61G20-3.005 F.A.C. Re-evaluation of this product shall be required following applicable Code modifications or revisions.

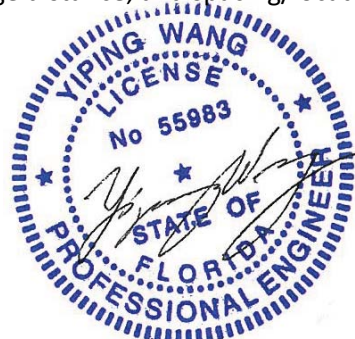
Code: 8th Edition Florida Building Code (2023), inclusive of all Supplements effective as of this report date.

Compliance Method: 61G20-3.005 (1)(d) – Evaluation Report from a licensed Professional Engineer

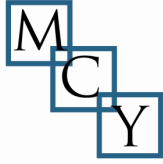
Product Description: Product Approval Drawing #AD20-11, prepared by MCY Engineering, signed and sealed by Yiping Wang, P.E., is an integral part of this Evaluation Report.

Limitations & Conditions of Use:

- This product has been evaluated for use **outside of the HVHZ** (High-Velocity Hurricane Zone)
- Impact Resistance: **Large and Small Missile Impact**
- Refer to Product Approval Drawing noted above for:
 - Maximum allowable wind loads at the related maximum allowable size(s).
 - Other load limitations applicable to the product, if any.
 - Overall dimensions and material/grade of main product components, accessories, etc.
 - Illustrated diagrams of the attachment of the product to the structure.
 - Anchor type(s), size(s), substrate(s), embedment, edge distance, and spacing/locations.



November 17th, 2023



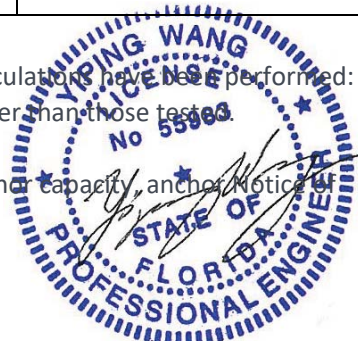
Test Reports:

Mandatory Tests (Tested in accordance with Florida Building Code Tests Protocols)

Test Lab	Report Number	Test Report Date	Test Standard & Description
National Certified Testing Laboratories, (NCTL), Orlando FL	NCTL-210-4163-01, <i>signed and sealed by Douglas J. McDougall, PE, FL#28392</i>	01/20/2020	ASTM E330 (static load test) ASTM E283 (air infiltration test) ASTM E547 (water infiltration test) ASTM E331 (water infiltration test) TAS 201 (large missile impact) TAS 202 (uniform static test) TAS 203 (cyclic wind pressure loading)
National Certified Testing Laboratories, (NCTL), Orlando FL	NCTL-210-4147-02, <i>signed and sealed by Douglas J. McDougall, PE, FL#28392</i>	08/08/2019	ASTM E330 (static load test) ASTM E283 (air infiltration test) ASTM E547 (water infiltration test) ASTM E331 (water infiltration test) TAS 201 (large missile impact) TAS 202 (uniform static test) TAS 203 (cyclic wind pressure loading)
National Certified Testing Laboratories (NCTL) – Orlando FL	NCTL-210-4147-01, <i>signed and sealed by Douglas J. McDougall, PE, FL#28392</i>	6/27/2019	ASTM E330 (static load test) ASTM E283 (air infiltration test) ASTM E547 (water infiltration test) ASTM E331 (water infiltration test) TAS 202 (uniform static test)
National Certified Testing Laboratories, (NCTL), Orlando FL	NCTL-210-4205-01, <i>signed and sealed by Mark Bennett</i>	02/24/2021	ASTM E330 (static load test) ASTM E283 (air infiltration test) ASTM E547 (water infiltration test) ASTM E331 (water infiltration test) ASTM E1886 (Cyclic Wind Pressure Loading) ASTM E1996 (Large and Small Missile Impact Test)

Engineering Analysis: The following engineering analyses and/or calculations have been performed:

- No comparative analysis has been performed for conditions other than those tested.
- No rational analysis has been performed.
- Anchor calculations are based on manufacturer's published anchor capacity, anchor notices of Acceptance by Miami Dade County.



November 17th, 2023