



MCY ENGINEERING, INC.
GLAZING CONSULTANT

12781 Miramar Pkwy. Ste. 301
Miramar, FL. 33027
P: 305 271-0117

PRODUCT APPROVAL EVALUATION REPORT

<u>Product Manufacturer:</u> Trulite Glass and Aluminum Solution 403 Westpark Ct. Suite 201 Peachtree City, GA 30269	<u>Product Name/Model & Description:</u> CG450 Storefront System – N.I. CG451 Storefront System – N.I. Aluminum Storefront System
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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: 7th Edition Florida Building Code (2020)/ 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 #AD20-29/AD20-30, 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: **Non-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.



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Test Reports:

Mandatory Tests (Tested in accordance with AAMA 501)

Test Lab	Report Number	Test Report Date	Test Standard & Description
INTERTEK B&C, West Palm Beach, FL	<i>HTL # G553-0903-09 signed and sealed by Vinu J. Abraham, PE, FL#53820</i>	09/09/2015	ASTM E283 (air infiltration test) ASTM E331 (water infiltration test) ASTM E330 (static load test – Non-HVHZ)
INTERTEK B&C, West Palm Beach, FL	<i>HTL # G553-0904-09 signed and sealed by Vinu J. Abraham, PE, FL#53820</i>	09/09/2015	ASTM E283 (air infiltration test) ASTM E331 (water infiltration test) ASTM E330 (static load test – Non-HVHZ)
Architectural Testing, Inc., and Intertek Company (“Intertek-ATI”)	<i>CO566.04-550-18, signed and sealed by Vinu J. Abraham, PE, FL#53820</i>	12/19/2012	TAS 202-94 (Uniform static load test)
INTERTEK B&C, West Palm Beach, FL	<i>J9822.01-450-32R0 signed and sealed by Vinu J. Abraham, PE, FL#53820</i>	11/08/2019	ASTM E283 (air infiltration test) ASTM E331 (water infiltration test) ASTM E330 (static load test – Non-HVHZ)
INTERTEK B&C, West Palm Beach, FL	<i>J7215.01-450-32R0 signed and sealed by Vinu J. Abraham, PE, FL#53820</i>	08/28/2019	ASTM E283 (air infiltration test) ASTM E331 (water infiltration test) ASTM E330 (static load test – Non-HVHZ)

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 and not notice of Acceptance by Miami Dade County.



August 01st, 2023