



Product Approval
USER: Public User

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OFFICE OF THE SECRETARY

FL #	FL43785																		
Application Type	New																		
Code Version	2023																		
Application Status	Approved																		
Comments																			
Archived	<input type="checkbox"/>																		
Product Manufacturer	Trulite Glass & Aluminum Solutions																		
Address/Phone/Email	403 Westpark Ct #201 PEACHTREE CITY, GA 30269 (305) 712-8749 Ext 155 bdeato@trulite.com																		
Authorized Signature	Ernesto Nicolas enicolas1000@gmail.com																		
Technical Representative	Bong Deato																		
Address/Phone/Email	800 Fairway Drive Suite 200 Deerfield Beach, FL 33441 (800) 432-8132 bdeato@trulite.com																		
Quality Assurance Representative																			
Address/Phone/Email																			
Category	Panel Walls																		
Subcategory	Storefronts																		
Compliance Method	Evaluation Report from a Florida Registered Architect or a Licensed Florida Professional Engineer <input type="checkbox"/> Evaluation Report - Hardcopy Received																		
Florida Engineer or Architect Name who developed the Evaluation Report	Ernesto Nicolas																		
Florida License	PE-79198																		
Quality Assurance Entity	Keystone Certifications, Inc.																		
Quality Assurance Contract Expiration Date	01/31/2033																		
Validated By	Steven M. Urich, PE <input checked="" type="checkbox"/> Validation Checklist - Hardcopy Received																		
Certificate of Independence	FL43785_R0_COI_CG500 - Certificate of Independence - SIGNED.pdf																		
Referenced Standard and Year (of Standard)	<table border="0"> <thead> <tr> <th>Standard</th> <th>Year</th> </tr> </thead> <tbody> <tr> <td>ASTM E1886</td> <td>2013</td> </tr> <tr> <td>ASTM E1996</td> <td>2017</td> </tr> <tr> <td>ASTM E283</td> <td>2012</td> </tr> <tr> <td>ASTM E331</td> <td>2016</td> </tr> <tr> <td>ASTME330</td> <td>2014</td> </tr> <tr> <td>TAS 201</td> <td>1994</td> </tr> <tr> <td>TAS 202</td> <td>1994</td> </tr> <tr> <td>TAS203</td> <td>1994</td> </tr> </tbody> </table>	Standard	Year	ASTM E1886	2013	ASTM E1996	2017	ASTM E283	2012	ASTM E331	2016	ASTME330	2014	TAS 201	1994	TAS 202	1994	TAS203	1994
Standard	Year																		
ASTM E1886	2013																		
ASTM E1996	2017																		
ASTM E283	2012																		
ASTM E331	2016																		
ASTME330	2014																		
TAS 201	1994																		
TAS 202	1994																		
TAS203	1994																		

Equivalence of Product Standards
Certified By

Florida Licensed Professional Engineer or Architect
[FL43785_R0_Equiv_CG500-Equivalence of Standard SIGNED.pdf](#)

Sections from the Code

Product Approval Method

Method 1 Option D

Date Submitted

10/18/2023

Date Validated

10/21/2023

Date Pending FBC Approval

11/01/2023

Date Approved

12/13/2023

Summary of Products

FL #	Model, Number or Name	Description
43785.1	CG500 Impact Storefront System	CG500 Impact Storefront System, Wet & Dry Glazed, LMI (HVHZ) with Multiple In-fills
Limits of Use Approved for use in HVHZ: Yes Approved for use outside HVHZ: Yes Impact Resistant: Yes Design Pressure: +70/-80 Other: Refer to Installation Drawings for Window Wall Sizes vs Design Loads		Installation Instructions FL43785_R0_II_CG500_Installation Dwg SIGNED.pdf Verified By: Architectural Testing, Inc. (an Intertek company) - West Palm Beach, FL Created by Independent Third Party: Yes Evaluation Reports FL43785_R0_AE_CG500- Product Evaluation SIGNED.pdf Created by Independent Third Party: Yes

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[Contact Us](#) :: 2601 Blair Stone Road, Tallahassee FL 32399 Phone: 850-487-1824

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Product Approval Accepts:





En3 Engineering & Consultancy

Date: October 18, 2023

State of Florida
Florida Department of Business and Professional Regulation
2601 Blair Stone Road
Tallahassee, FL 32399

Product: **CG500 IMPACT STOREFRONT SYSTEM**
Large Missile Impact Resistant (HVHZ)

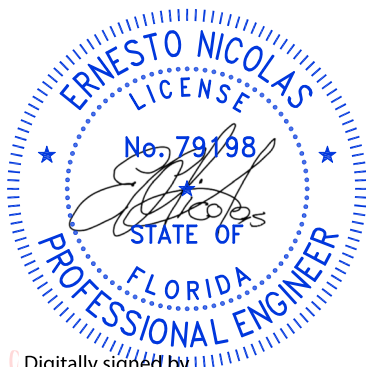
Manufacturer: **Trulite Glass and Aluminum Solutions**
403 West Park Court, Suite 201
Peachtree City, GA
P (800) 432-8132

To whom it may concern,

As the Florida registered engineer retained by Trulite Glass & Aluminum Solutions on the above reference product. I hereby certify that I do not have, nor intend to acquire or will acquire a financial interest in Trulite Glass & Aluminum Solutions or in any other entity involved in the approval process nor the laboratories that have performed the tests on the above referenced product.

If I can be of further service, please contact the undersigned.

Yours truly,



Ernesto
Nicolas

Digitally signed by
Ernesto Nicolas
Date: 2023.10.18
20:50:18 -04'00'



En3 Engineering & Consultancy

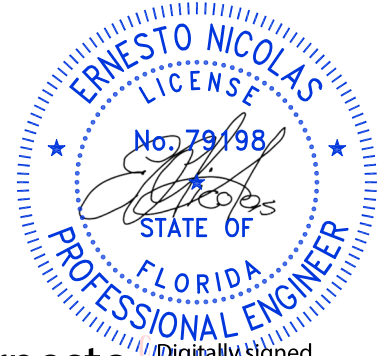
PRODUCT EVALUATION REPORT

Date: October 20, 2023

Product: **CG500 IMPACT STOREFRONT SYSTEM**
Large Missile Impact Resistant (HVHZ)

Manufacturer: **Trulite Glass and Aluminum Solutions**
403 West Park Court, Suite 201
Peachtree City, GA
P (800) 432-8132

Prepared by: Ernesto Nicolas, P.E. FL #79198



Ernesto Nicolas
Digitally signed
by Ernesto Nicolas
Date: 2023.10.20
19:30:33 -04'00'

Scope: This report evaluates the above listed product per the requirements of FAC Product Approval Rule Chapter 61G20-3.005, using Method 1-D (Engineering Evaluation). This product complies with the requirements of the 2023 Florida Building Code 8TH Edition, both inside and outside of the High Velocity Hurricane Zone.

Test Reports:

Tested in accordance with AAMA 501 & FBC Section 2411.3.2.1.1

Test Laboratory	Report Number	Test Report Date	Test Standard
Intertek	P9004.01-450-18R0, signed and sealed by Tanya Dolby, P.E. FL#93536	June 6, 2023	TAS 202, TAS 201, TAS 203
Intertek	N1455.01-450-18 R0, signed and sealed by Vinu Abraham, P.E. FL#53820	April 13, 2022	TAS 202, TAS 201, TAS 203
Intertek	G553-0704-10, signed and sealed by Vinu Abraham, P.E. FL#53820	September 9, 2015	TAS 202, TAS 201, TAS 203
Intertek	G553-0502-10, signed and sealed by Vinu Abraham, P.E. FL#53820	September 9, 2015	TAS 202, TAS 201, TAS 203
HTL	G533-0602-10, signed and sealed by Vinu Abraham, P.E. FL#53820	September 28, 2010	TAS 202, TAS 201, TAS 203

Technical Documentation:

- 1) Installation Drawings #23FL-107, Signed and Sealed by Ernesto Nicolas, P.E. (FL# 79198)



En3 Engineering & Consultancy

Limitations of Use for this product:

- See Installation Drawings #23FL-107 for approved anchor methods and spacing.
- Product is impact rated and does not require the use of shutters in windborne debris regions.
- May be used inside and outside the High Velocity Hurricane Zone.
- See Installation Drawings #23FL-107 for size and design pressure limitations.
- Site conditions that deviate from the Installation Drawings #23FL-107 require further engineering analysis by a licensed engineer or registered architect.