En3 Engineering & Consultancy

PRODUCT EVALUATION REPORT

Date: September 16, 2026

Product: **CG502 IMPACT STOREFRONT SYSTEM**
Large Missile Impact Resistant (HVHZ)

Manufacturer: **Trulite Glass and Aluminum Solutions**
1750 Founders Pkwy, Suite. 154,
Alpharetta GA, 30009
P (800) 432-8132

ERNESTO NICOLAS LICENSE No. 79198 STATE OF FLORIDA PROFESSIONAL ENGINEER

Ernesto Nicolas

Digitally signed by Ernesto Nicolas
Date: 2026.09.17 10:04:26 -04'00'

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

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 2026 Florida Building Code 9TH 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	J0379.01-450-18 R1, signed and sealed by Vinu Abraham, P.E. FL#53820	February 26, 2019	TAS 202, TAS 201, TAS 203
Intertek	H7273.01-550-18 R0, signed and sealed by Gary Hartman, P.E. FL#73227	February 12, 2018	TAS 202, TAS 201, TAS 203
HTL	G533-705-10, signed and sealed by Vinu Abraham, P.E. FL#53820	September 9, 2015	TAS 202, TAS 201, TAS 203
HTL	G533-0401-10, 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-104 R1, Signed and Sealed by Ernesto Nicolas, P.E. (FL# 79198)

Limitations of Use for this product:

- See Installation Drawings #23FL-104 R1 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-104 R1 for size and design pressure limitations.
- Site conditions that deviate from the Installation Drawings #23FL-104 R1 require further engineering analysis by a licensed engineer or registered architect.