En3 Engineering & Consultancy

EQUIVALENCE OF STANDARDS EVALUATION

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 09:20:30 -04'00'

Code: 2026 Florida Building Code 9TH Edition

Compliance Method: FAC Product Approval Rule Chapter 61G20-3.015(5)(d) – Equivalence of Standards

Certification of Equivalence: The testing standards listed below, although not explicitly referenced within the above noted building code are hereby deemed equivalent for the purposes of determining this product's compliance with the above noted code.

Test Reports:

Test Laboratory	Report Number	Test Report Date
Intertek	P9004.01-450-18R0, signed and sealed by Tanya Dolby, P.E. FL#93536	June 6, 2023
Intertek	N1455.01-450-18 R0, signed and sealed by Vinu Abraham, P.E. FL#53820	April 13, 2022
Intertek	J0379.01-450-18 R1, signed and sealed by Vinu Abraham, P.E. FL#53820	February 26, 2019
Intertek	H7273.01-550-18 R0, signed and sealed by Gary Hartman, P.E. FL#73227	February 12, 2018
HTL	G533-705-10, signed and sealed by Vinu Abraham, P.E. FL#53820	September 9, 2015
HTL	G533-0401-10, signed and sealed by Vinu Abraham, P.E. FL#53820	September 9, 2015
HTL	G533-0602-10, signed and sealed by Vinu Abraham, P.E. FL#53820	September 28, 2010

Performance Tests Conducted:

- TAS 202-94 (Air, Water and Uniform Static Load Tests)
- TAS 201-94 (Large and Small Missile Impact Test)
- TAS 203-94 (Cyclic Wind Pressure Load Test)

Equivalency Evaluation to AAMA 501-25:

- Code Requirements for testing to AAMA 501-25:
  - Section 1709.8.4 of the Florida Building Code requires glazed curtain wall, window wall and storefront systems to be tested in accordance with the requirements of this mentioned section and the laboratory test requirements of the American Architectural Manufacturers Association (AAMA) Standard 501 with HVHZ complying with Sections 2411.3.2.1. 1
    - This product is tested to HVHZ requirements and Product approval is for HVHZ. Therefore, Section 2411.3.2.1.1 governs with regards to test load sequence and load duration.
    - All other requirements of Section 1709.8.4 must be met.
    - Above listed test reports were conducted in accordance with TAS 202 and its required load sequence and load duration.
- Conformance to AAMA 501-25:
  - Laboratory Test requirements of AAMA 501-25 include sections listed as required and as optional and they are as follows:
    - Required Tests – All required testing were performed and documented in the above listed test reports and demonstrate compliance with FBC Sections 1709.8.4 and 2411.3.2.1.1 test load sequence and duration.

      Test Load Sequence as per TAS 202:
      - ASTM E283 Air Leakage Test
      - ASTM E330 Preload Test at 50% DP
      - ASTM E330 Load Test at 100% DP
      - ASTM E331 Water Infiltration
      - ASTM E330 at 150% DP

      The following sections in AAMA 501-25 are listed as optional and were not performed.
      - AAMA 501.1 Water penetration test under dynamic air pressure
      - AAMA 501.4 Inter-story lateral displacement test
      - AAMA 501.7 Inter-story vertical displacement test
      - AAMA 501.5 Thermal Cycling test

- Conclusion

  Based on the above evaluation, the Laboratory Test requirements of the American Architectural Manufacturers Association (AAMA) Standard 501 with HVHZ complying with Section 1709.8.4 and Section 2411.3.2.1.1 of the 2026 Florida Building Code have been met.