

EVALUATION REPORT

Title: Curtain Wall
Report #: SM2017-004 R3
Manufacturer: Sun Metals Systems, Inc.
5008 Tampa West Blvd
Tampa, FL 33634
Technical Contact: Eric VanHorn, P.E.
VanHorn Engineering, LLC
Prepared by: Gordon Thomas, P.E.
Mason, OH 45040
Florida # 46718
Date: June 4, 2017
October 5, 2020 - revised
July 26, 2025 - revised

I. OVERVIEW / SCOPE

The following evaluation report provides a review of a revised FBC application for a Curtain Wall. The current configuration is listed under FL 21463 and this evaluation will review the requirements to receive approval for the 8th Edition (2023) FBC.

II. REFERENCE MATERIAL

The following reference materials were provided in support of the product evaluation

1. Florida Product Approval FL 21463
2. Sun Metals Dwg FL-21463.2, Dated 7/14/25
3. Intertek - Architectural Testing Inc., 2658 Electronics Way, West Palm Beach FL 33407
Test Report # G1049.01-450-32, Signed and Sealed by Justin P. McDonald, P.E, Revised 5/25/17
4. Saflex Interlayer (Eastman Chemical Company): Miami Dade NOA 14-0423.16
5. Anchoring and ASTM E1300 Glass Load Calculations Signed and Sealed by Gordon Thomas, P.E.

III. EVALUATION CRITERIA & LIMITATIONS OF USE

The product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code structural requirements including the "High Velocity Hurricane Zone". The drawings cited below and as illustrated in Appendix E of the test report are an explicit part of this evaluation report. The text of this report cannot address all design details (fastener size, spacing) but relies upon the illustrations of these drawings.

All testing frame specimens listed in test reports referenced above were conducted as follows:

- TAS 201-94 & ASTM E1886/1996 (Impact Test Procedures)
- TAS 202-94 & ASTM E330 (Uniform Static Air Pressure)
- TAS 203-94 (Criteria for Testing Products Subject to Cyclic Wind Pressure Loading)
- AAMA 501.1 (Dynamic Water Penetration), AAMA 501.4 (Seismic Movement Displacement Test)
- Product listed met the deflection recovery requirements
- Product listed met small missile impact ratings
- Product listed met static pressure air infiltration

The following curtain walls were reviewed and approved:

Product Name	Product Type	Size	Design Pressures	Impact Rating	Dwg
Series 2500PW	Captured Aluminum Curtain Wall	Ref drawing	+/- 115 PSF	Small Missile	FL-21463.2

The product anchors were confirmed via calculations for both concrete and steel mounting. Steel anchors were checked against tested quantities.

Certification of Independence of Evaluation Entity

I hereby certify that (1) I have no financial interest in Sun Metals Systems, LLC; (2) I am an independent licensed Professional Engineer in the State of Florida and; (3) I comply with the criteria of independence as stated in 9B-72.110 (3), F.A.C. and 9B-72.110(4), F.A.C.