

EVALUATION REPORT

Title:	Aluminum Window Wall		
Report #:	SM2024-002R2		
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:	March 20, 2024

I. OVERVIEW / SCOPE

The following evaluation report provides a review of a new FBC application for an Aluminum Window Wall. This evaluation will review the requirements to receive approval for the 8th Edition (2023) Florida Building Code.

II. REFERENCE MATERIAL

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

1. Sun Metals Dwg FL-46491.1, 12 sheets, dated 3/18/24.
2. PRI Construction Materials Technologies, LLC., 6412 Badger Drive, Tampa, FL 33610. Project Report # 1898T0004, Dated June 13, 2023.
3. PRI Construction Materials Technologies, LLC., 6412 Badger Drive, Tampa, FL 33610. Project Report # 1898T0005, Dated July 5, 2023.

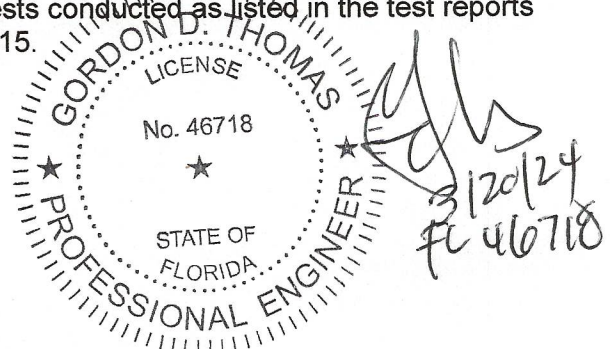
III. EVALUATION CRITERIA & LIMITATIONS OF USE

The product has been evaluated and is in compliance with the 8th Edition (2023) Florida Building Code structural requirements excluding the "High Velocity Hurricane Zone". The drawings cited below and as illustrated in Appendix A 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:

- ASTM E330-14, (Uniform Static Air Pressure)
- ASTM E283-04 (2012), (Air Leakage)
- ASTM E331-00 (2009), (Water Penetration)
- Products listed meet the deflection recovery requirements.
- Products listed meet static pressure air infiltration.

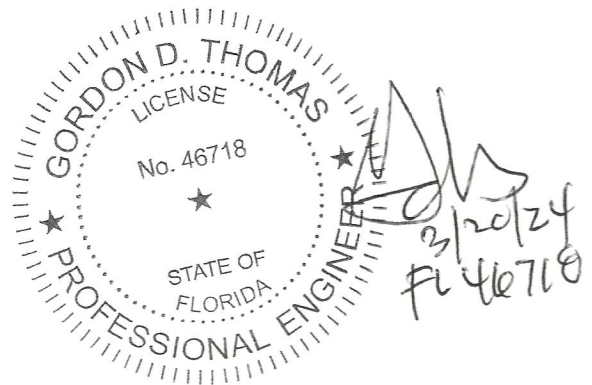
In Section 1709.8.4 of the Florida Building Code, it states "that window wall and storefront systems shall be tested in accordance with the requirements of this section and the laboratory test requirements of the American Architectural Manufacturers Association (AAMA) Standard 501, HVHZ shall comply with Section 2411.3.2.1.1.". It has been determined that the results and tests conducted as listed in the test reports above meet the requirements for compliance with AAMA 501-15.



The following window walls were reviewed and approved:

Product Name	Product Type	Size (H x W)	Design Pressures	Impact Rating	Dwg
Series 600T	Aluminum Window Wall - Captured	108" x 60"	+/- 50 PSF	Non-Impact	FL-46491.1 Rev 1
Series 600T	Aluminum Window Wall - Butt Glazed/ Reinforced	108" x 60"	+/- 50 PSF	Non-Impact	FL-46491.1 Rev 1

The product anchors were confirmed via calculations for concrete, wood and steel mounting. Woods screws 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.