

EVALUATION REPORT

Title:	Sliding Glass Door		
Report #:	SM2023-012		
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. Florida # 46718	Date:	October 6, 2023

I. OVERVIEW / SCOPE

The following evaluation report provides a review of a new FBC application for a Sliding Glass Door. This evaluation will review the testing completed as it complies with the 8th Edition (2023) FBC.

II. REFERENCE MATERIAL

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

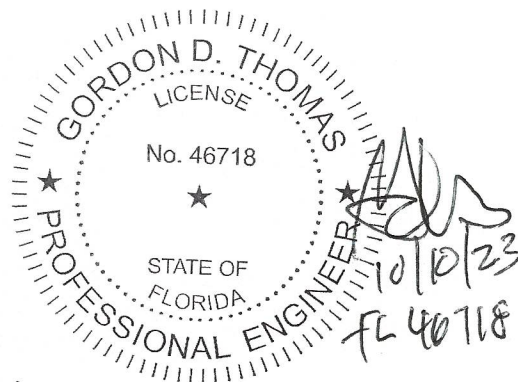
1. Sun Metals Dwg FL-42398.1. Dated 9/12/23.
2. Intertek, 2658 Electronics Way, West Palm Beach FL 33407
Test Report # P7031.01-450-18-r1, Signed and Sealed by Tanya Dolby, P.E, Dated 9/12/23.

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 Section 8 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:

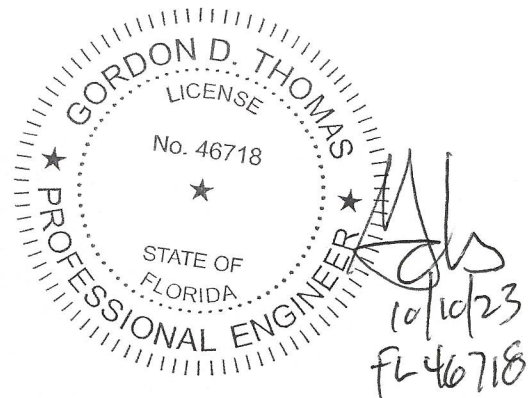
- TAS 201-94, (Impact Test Procedures)
- TAS 202-94, (Uniform Static Air Pressure)
- TAS 203-94, (Cyclic Wind Pressure Loading)
- ASTM E283-04 (2012), (Air Leakage)
- ASTM E330/E330M-14 (Uniform Static Air Pressure)
- ASTM E331-00 (2016), (Water Penetration)
- ASTM E1886-13a, (Cyclic)
- ASTM E1996-14a, (Impact)
- Products listed meet the deflection recovery requirements.
- Products listed meet small missile impact ratings.
- Products listed meet static pressure air infiltration.



The following sliding glass doors were reviewed and approved:

Product Name	Product Type	Size (H x W)	Design Pressures	Impact Rating	Dwg
Sundoor 35000	Sliding Glass Door 3-track	120" x 324"	+/- 115 PSF	Small Missile	FL-42398.1
Sundoor 35000	Sliding Glass Door 3-track	144" x 324"	+/- 75 PSF	Small Missile	FL-42398.1

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.