Vlad Moise, P.E.
Florida Board of Professional Engineers License No. PE84905

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Bradenton, FL 34203
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Product Evaluation Report

Report No.: FL-47825.1
Date: Oct. 5, 2025

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	**Swinging Exterior Doors Assemblies**	**Sarasota Glass and Mirror 3108 Clark Road Sarasota, FL 34231 Ph.: 941-921-4633**	**Opaque and Glazed Fiberglass Single Doors w/ or w/out Sidelites Inswing / Outswing "Impact"**

Scope: Product Evaluation Report issued by Vlad Moise, P.E. for Sarasota Glass and Mirror, based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Department of Business & Professional Regulation. See below:

(d) An evaluation report from a Florida Registered Architect or a licensed Florida Professional Engineer developed and signed and sealed, based upon standard tests or standard comparative or rational analysis, or a combination thereof and indicates that the product was evaluated to be in compliance with the Code and that the product is, for the purpose intended, at least equivalent to that required by the Code.

Vlad Moise, P.E. does not have nor will acquire financial interest in the company manufacturing or distributing the product or in any other entity involved in the approval process of the product named herein.

Restrictions:

1. This product has been evaluated and is in compliance with 8th Edition, 2023 Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone".
2. When used in areas requiring wind borne debris protection, this product complies with FBC sections 1609.1.2 and R301.2.1.2 and does not require an impact resistant covering. This product meets missile level "D" and includes Wind Zone 4 as defined in ASTM E 1996 and FBC Sections 1609.1.2.2 and R301.2.2.2.1.
3. Product anchors shall be listed and spaced as shown in the Bill of Materials and drawing details of the Sarasota Glass and Mirror drawing package. Anchor embedment to base material shall be beyond wall dressing or stucco.
4. For 2X stud framing construction, anchoring of this product shall be the same as shown for 2X buck masonry construction in the door manufacturers drawing packages. Sarasota Glass and Mirror does not use 2X buck installation.
5. See Sarasota Glass and Mirror drawing FL-47825.1 for size and pressures. Configurations are X, OX/XO and OXO. Design Pressure for all configurations is: Positive +50.0 PSF, Negative -50.0 PSF.
6. Site conditions that deviate from the details of the above drawing require further engineering analysis by a licensed engineer or registered architect.

Supporting Documents:

Sarasota Glass and Mirror uses different component suppliers to manufacture Single Swinging Exterior Door Assemblies. See Bill of Materials on the Sarasota Glass and Mirror drawing package for a complete list of suppliers. All components have been tested and certified as Impact Resistant. Supporting documents for each component are available from each individual manufacturer. Approval are as follows:

Door Slab – Plastpro: FL-17184.1

1.

Test Report No.	Test Standard	Testing Laboratory	Signed by
TEL 01391120	TAS 201-94, 202-94 & TAS 203-94	Testing Evaluation Lab	Lyndon F. Schmidt, P.E.
TEL 01390454	ASTM E1886-05/E1996-06 ASTM E330-02, E331-00	Testing Evaluation Lab	V.K. Wright
TEL 01311960	ASTM E330-02, ASTM E1886-05/1996-09	Testing Evaluation Lab	V.K. Wright

Evaluation Report issued by R W Building Consultants, Inc. – Lyndon F. Schmidt, P.E.

Door Jamb – Worldwide Door Components: FL-14969.1

2.

Test Report No.	Test Standard	Test Laboratory	Signed by
TEL 01700413	ASTM E 330-02, E331-00 ASTM E 1886-05/1996-09	Testing Evaluation Laboratory	V. K. Wright
TEL 01700389A	ASTM D 635-03	Testing Evaluation Laboratory	V. K. Wright
TEL 01700389B	ASTM D 2843-99	Testing Evaluation Laboratory	V. K. Wright
TEL 01700389C	ASTM D 1929-96	Testing Evaluation Laboratory	V. K. Wright
TEL 01702337	ASTM E 330-14, E331-00 ASTM E 1886-13a/1996-14a	Testing Evaluation Laboratory	V. K. Wright

Evaluation Report issued by R W Building Consultants, Inc. – Lyndon F. Schmidt, P.E.

Threshold – DLP-Pressrite: FL-1485.8

3.

Test Report No.	Test Standard	Test Laboratory	Signed by
TEL 01390454	ASTM E330-02, E331-00 ASTM E1886-05, E1996-06	Testing Evaluation Laboratory	V. K. Wright
TEL 01391140	ASTM E330-02, E331-00 ASTM E1886-05, E1996-06	Testing Evaluation Laboratory	V. K. Wright
TEL 01391120	TAS 201, 202 & 203-94	Testing Evaluation Laboratory	V. K. Wright

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4. All hardware used in the Sarasota Glass and Mirror door assemblies are per industry standards, stainless steel hinges, stainless steel Tapcon concrete anchors and stainless steel wood screws. See drawings for details.

5. Drawing Number: FL-47825.1	Prepared by: Vlad Moise, P.E	Signed and Sealed by: Vlad Moise, P.E.
6. Calculations: Anchoring ASTM E 1300 Glass Load	Prepared by: Vlad Moise. P.E. Vlad Moise, P.E.	Signed and Sealed by: Vlad Moise, P.E.

7. Quality Assurance:
   Certificate of Participation issued by National Accreditation and Management Institute, certifying that Sarasota Glass and Mirror is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.
   All the component suppliers for Sarasota Glass and Mirror Single Swinging Exterior Door Assemblies are also NAMI certified.

Conclusion:

Based on the tests performed on each component by the manufacturers and by a thorough comparative analysis, I conclude that the Sarasota Glass and Mirror Single Swinging Exterior Door Assemblies are in compliance with the Florida Building Code and can be certified and labeled as “Impact”.

Vlad Moise, P.E.

Vlad Moise

Digitally signed by Vlad Moise
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Date: 2025.10.27 15:21:01 -04'00'

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STATE OF FLORIDA
PROFESSIONAL ENGINEER