



R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

P.O. Box 230 Valrico, FL 33595 Phone 813.659.9197

Florida Board of Professional Engineers Registry License No. 9813

Product Evaluation Report

Report No.: FL-21852.20

Date: July 1, 2026

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	MasterGrain 16566 Highway 12 Midland, Ontario, Canada L4R 4L1 705.527.2939	Fiberglass Glazed Single Door w/ or w/out Sidelite(s) Inswing / Outswing "Impact"

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. (System ID # 1998) for MasterGrain based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Department of Business & Professional Regulation.

R W Building Consultants and Lyndon F. Schmidt, P.E. do 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.

Limitations:

- This product has been evaluated and is in compliance with the 9th Edition (2026) Florida Building Code (FBC) structural requirements excluding the "High Velocity Hurricane Zone" (HVHZ).
- Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
- When used in areas requiring wind borne debris protection, this product complies with FBC Sections 1609.1.2 & 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 E1996.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of drawing FL-21852.20 require further engineering analysis by a licensed engineer or registered architect.
- See drawing FL-21852.20 for size and design pressure limitations.

1. **Test Report No.**

TEL 01680148
TEL 01680149
TEL 01680150
TEL 01682188

Test Standard

ASTM D635-03
ASTM D2843-99
ASTM D1929-96
ASTM E330-02
ASTM E 1886-05/E 1996-09

Testing Laboratory

Testing Evaluation Lab.
Testing Evaluation Lab.
Testing Evaluation Lab.
Testing Evaluation Lab.

Signed by

V.K. Wright
V.K. Wright
V.K. Wright
V.K. Wright

2. **Miami-Dade NOA**

25-0904.04

Materials Testing

Saflex® PVB Interlayer (Eastman Chemical Co.)

3. **Drawing No.**

No. FL-21852.20

Prepared by

RW Building Consultants, Inc. (#9813)

Signed & Sealed by

Lyndon F. Schmidt, P.E.

4. **Calculations**

Product Anchoring
ASTM E 1300 Glass Load

Prepared by

RW Building Consultants, Inc. (#9813)
RW Building Consultants, Inc. (#9813)

Signed & Sealed by

Lyndon F. Schmidt, P.E.

5. **Quality Assurance**

Certificate of Participation issued by National Accreditation and Management Institute, certifying that MasterGrain is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.

Digitally signed by Lyndon F Schmidt

Date: 2026.07.22 17:14:03 -04'00'

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409
This item has been digitally signed and sealed by L. F. Schmidt on 7-22-26.
Printed copies of this document are not considered signed and sealed and the signature must be verified on any electronic copies.
THIS PRODUCT APPROVAL IS VALID ONLY FOR THE STATE OF FLORIDA