



# R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Certificate of Authorization No. 9813

## Product Evaluation Report

Report No.: FL-21852.1

Date: July 1, 2026

| Product Category | Sub Category                      | Manufacturer                                                                        | Product Name                                                                  |
|------------------|-----------------------------------|-------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| Exterior Doors   | Swinging Exterior Door Assemblies | MasterGrain<br>16566 Highway 12<br>Midland, Ontario, Canada L4R 4L1<br>705.527.2939 | 600 Series<br>Fiberglass Opaque Single Door<br>Inswing / Outswing<br>"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:

1. 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).
2. Product anchors shall be as listed and spaced as shown on details. Anchor embedment to base material shall be beyond wall dressing or stucco.
3. 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.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. Site conditions that deviate from the details of drawing FL-21852.1 require further engineering analysis by a licensed engineer or registered architect.
6. See drawing FL-21852.1 for size and design pressure limitations.

|                                                                                           |                                                                                                                    |                                                                                                                                       |                                                                              |
|-------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| 1. <b>Test Report No.</b><br>TEL 01680148<br>TEL 01680149<br>TEL 01680150<br>TEL 01681715 | <b>Test Standard</b><br>ASTM D635-03<br>ASTM D2843-99<br>ASTM D1929-96<br>ASTM E330-02<br>ASTM E 1886-05/E 1996-09 | <b>Testing Laboratory</b><br>Testing Evaluation Lab.<br>Testing Evaluation Lab.<br>Testing Evaluation Lab.<br>Testing Evaluation Lab. | <b>Signed by</b><br>V.K. Wright<br>V.K. Wright<br>V.K. Wright<br>V.K. Wright |
| 2. <b>Drawing No.</b><br>No. FL-21852.1                                                   | <b>Prepared by</b><br>RW Building Consultants, Inc. (#9813)                                                        | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.                                                                              |                                                                              |
| 3. <b>Calculations</b><br>Product Anchoring                                               | <b>Prepared by</b><br>RW Building Consultants, Inc. (#9813)                                                        | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.                                                                              |                                                                              |

4. **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 16:54:42 -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**