

Product Evaluation Report**Report No.: FL-15044.8****Date: August 30, 2023**

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Swinging Exterior Door Assemblies	Abby Iron Doors 4075 Buford Hwy., Suite E Duluth, GA 30096 Phone 770.813.8078	Architectural Glazed Steel Single Door Rectangular or Radius Top Inswing / Outswing "Impact"

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

RW 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 8th Edition (2023) Florida Building Code (FBC) structural requirements including 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
4. 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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
5. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
6. Site conditions that deviate from the details of drawing FL-15044.8 require further engineering analysis by a licensed engineer or registered architect.
7. This product does not meet the water infiltration requirements for the "HVHZ" and shall be installed only in non-habitable areas or at habitable locations protected by an overhang or canopy such that the angle between the edge of canopy or overhang to sill is less than 45 degrees.
8. All steel shall be protected as specified in Section 2222.6 of the FBC.
9. See drawing FL-15044.8 for size and design pressure limitations.

Supporting Documents:

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| 1. Test Report No.
TEL 03251025
TEL 03251026 | Test Standard
TAS 201,202,203-94
ASTM E330-02, E331-00,
ASTM E1886-05/E1996-09 | Testing Laboratory
Testing Evaluation Laboratory
Testing Evaluation Laboratory | Signed by
Lyndon F. Schmidt, P.E.
V.K. Wright |
| 2. Miami Dade NOA
22-1116.01 | Materials Testing
SentryGlas® Interlayer | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 3. Drawing No.
No. FL-15044.8 | 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) | | |
| 5. Quality Assurance
Certificate of Participation issued by National Accreditation and Management Institute, certifying that Abby Iron Doors is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53 | | | |

Digitally signed by
Lyndon F Schmidt
Date: 2023.08.30
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LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409
This item has been digitally signed and sealed by L. F. Schmidt on 8-30-23.
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