



R W Building Consultants, Inc.

Consulting and Engineering Services for the Building Industry

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Florida Board of Professional Engineers Registry License No. 9813

Product Evaluation Report

Report No.: **FL-13727.6**

Date: **August 9, 2023**

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	Exterior Doors Components	AFCO Millwork Products 11000 Green Valley Dr. Olive Branch, MS 38654 Phone 800.238.0183	"A-276", "A-117", "IXO" & "H-497" Series Aluminum Extruded Thresholds in a Single (X) or Double (XX) Door Inswing/Outswing - "Impact"

Scope: Product Evaluation report issued by R W Building Consultants, Inc. & Lyndon F. Schmidt, P.E. (System ID # 1998) for AFCO Millwork Products, 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 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 & 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 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
3. These "IMPACT" thresholds, as components, are to be used as substitutes to a similar threshold, in an impact approved (complies with FBC Sections 1609.1.2 & R301.2.1.2) door system possessing a current Florida Statewide Product Approval.
4. The design pressure of the assembly shall be the lesser of the design pressure for the thresholds shown in this approval or the design pressure of the door assembly used in conjunction with this approval.
5. The maximum width of the threshold shall be the lesser of the maximum width shown in this approval or the width shown in the door approval used in conjunction with this approval.
6. The maximum height of the door assembly shall be the lesser of the maximum height stated in this approval or the maximum height of the door assembly approval used in conjunction with this approval.
7. Site conditions that deviate from the details of drawing FL-13727.6 require further engineering analysis by a licensed engineer or registered architect
8. See drawing FL-13727.6 for size and design pressure limitations.

Supporting Documents:

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|---|---|---|---|
| 1. Test Report No.
TEL 01810248

TEL 01811942

TEL 01811943
TEL 01810565
TEL 01810574
TEL 01813332 | Test Standard
ASTM E330-02, E331-00
ASTM E1886-02, E1996-02
ASTM E330-02, E331-00
ASTM E1886-05, E1996-09
TAS 201, 202 & 203-94
TAS 201, 202 & 203-94
TAS 201, 202 & 203-94
ASTM E330-14, E331-00
ASTM E1886-13a, E1996-14a | Testing Laboratory
Testing Evaluation Laboratory

Testing Evaluation Laboratory

Testing Evaluation Laboratory
Testing Evaluation Laboratory
Testing Evaluation Laboratory
Testing Evaluation Laboratory | Signed by
Lyndon F. Schmidt, P.E.

Vivian K. Wright

William B. Shelton, P.E.
William B. Shelton, P.E.
William B. Shelton, P.E.
Vivian K. Wright |
| 2. Drawing No.
No. FL-13727.6 | Prepared by
RW Building Consultants, Inc. (#9813) | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |
| 3. Calculations
Anchoring | Prepared by
RW Building Consultants, Inc. (#9813) | | Signed & Sealed by
Lyndon F. Schmidt, P.E. |

4. **Quality Assurance**
Certificate of Participation issued by National Accreditation and Management Institute, certifying that AFCO Millwork Products is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.

Digitally signed by
Lyndon F Schmidt
Date: 2023.08.09
15:30:43 -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 8-9-23.
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