R W B C

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 Certificate of Authorization No. 9813

Product Evaluation Report

Report No.: ***FL-20698.2***

Date: ***July 7, 2023***

Product Category	Sub Category	Manufacturer	Product Name
Exterior Doors	**Swinging Exterior Door Assemblies**	**Endura Products** **8817 West Market Street** **Colfax, NC 27235** **Phone: 336.665.4052**	**Z Series Thresholds** **Continuous Head & Sill Frame System** **Inswing / Outswing** **"Non-Impact"**

Scope: Product Evaluation report issued by R W Building Consultants, Inc. & Lyndon F. Schmidt, P.E. (System ID # 1998) for Endura 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" (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 is required to be protected with an impact resistant covering that complies with FBC Sections 1609.1.2 & R301.2.1.2.
4. For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
5. This product has been tested and is approved for use in the door panels as specified in this approval. Substitution into a similar product that possess a comparable current Florida Statewide product approval may be approved for use by the local Authority Having Jurisdiction.
6. Site conditions that deviate from the details of drawing FL-20698.2 require further engineering analysis by a licensed engineer or registered architect.
7. See drawing FL-20698.2 for size and design pressure limitations.

Supporting Documents:

1.

Test Report No.	Test Standard	Testing Laboratory	Signed by
NCTL-110-16337-5	ASTM E330-02	NCTL	Donald R. Kyle, P.E.
NCTL-110-11632-9	ASTM E330-02	NCTL	Donald R. Kyle, P.E.
NCTL 110-11632-10	ASTM E330-02	National Certified Testing Laboritories	Don Kyle
ATI G0465.01-251-47	AAMA/WDMA/CSA101/I.S.2/A440-11	Architectural Testing, Inc.	J. P. McDonald
TEL 03851468	TAS 202-94	Testing Evaluation Lab.,Inc.	William B. Shelton
TEL 03851377	TAS 202-94	Testing Evaluation Lab.,Inc.	William B. Shelton

2.

Drawing No.	Prepared by	Signed & Sealed by
No. FL-20698.2	RW Building Consultants, Inc. (#9813)	Lyndon F. Schmidt, P.E.

3.

Calculations	Prepared by	Signed & Sealed by
Anchoring	RW Building Consultants, Inc. (#9813)	Lyndon F. Schmidt, P.E.
ASTM E1300 Glass Load	RW Building Consultants, Inc. (#9813)	

4. **Quality Assurance**
Certificate of Participation issued by National Accreditation and Management Institute, certifying that Endura 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: 2023.07.31 07:39:29 -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 **7-31-23**.
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