



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-13922.4

Date: July 19, 2023

| Product Category | Sub Category | Manufacturer | Product Name |
|------------------|--------------------------|--|---|
| Exterior Doors | Exterior Door Components | Cal-Royal Products, Inc. 6605 Flotilla Street Commerce, CA 90040 800.876.9258 | "7700-V Series" Fire Exit Device w/ Vertical Rods in a Steel Commercial Door Outswing "Impact" |

Scope: This is a Product Evaluation report issued by R W Building Consultants, Inc. and Lyndon F. Schmidt, P.E. for Cal-Royal Products, Inc. based on Rule Chapter No. 61G20-3, Method 1D of the State of Florida Product Approval, Department 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:

- 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).
- 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 E 1996 and FBC Sections 1609.1.2.2 & R301.2.1.2.1.
- This product has been tested in the door panels as specified in this approval. Substitution into a similar product may be approved for use by the local Authority Having Jurisdiction. In all cases, the steel door used must possess a comparable current Florida Statewide product approval. The door panel size and design pressure (DP) rating shall not exceed the sizes and DP ratings shown in this approval or the steel side hinged swing door approval being used.
- Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
- See drawing FL-13922.4 for size and design pressure limitations.

Supporting Documents:

- | | | | |
|---|--|---|--|
| 1. Test Report No. TEL 01820265 TEL 01821113 | Test Standard ASTM E 330-02 & E 1886-05/1996-06 ASTM E 330-02 & E 1886-05/1996-06 | Testing Laboratory Testing Evaluation Lab., Inc. Testing Evaluation Lab., Inc. | Signed by Lyndon F. Schmidt, P.E. V.K. Wright |
| 2. Drawing No. No. FL-13922.4 | Prepared by RW Building Consultants, Inc. (#9813) | Signed & Sealed by Lyndon F. Schmidt, P.E. | |
3. **Quality Assurance**
Certificate of Participation issued by National Accreditation and Management Institute, certifying that Cal-Royal Products, Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53.

LYNDON F. SCHMIDT, State of Florida, Professional Engineer, License No. 43409
 This item has been digitally signed and sealed by L. F. Schmidt on 7-19-23.
 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