



# 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

<b>Product Evaluation Report</b>	<b>Report No.:</b> <i>FL-13922.10</i>
	<b>Date:</b> <i>July 19, 2023</i>

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	"M Series" Mortise Lock in a Steel Commercial Door Inswing / 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:**

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. 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.
5. Site conditions that deviate from the details of this drawing require further engineering analysis by a licensed engineer or registered architect.
6. 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.
7. When used in the "HVHZ", steel must be protected as specified in FBC Section 2222.6.
8. See drawing FL-13922.10 for size and design pressure limitations.

**Supporting Documents:**

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| 1. <b><u>Test Report No.</u></b><br>TEL 01820457<br>ITS 3053378<br>TEL 01821092 | <b><u>Test Standard</u></b><br>TAS 201, 202 & 203-94<br>UL 10C - 09<br>TAS 201, 202 & 203-94 | <b><u>Testing Laboratory</u></b><br>Testing Evaluation Lab., Inc.<br>Intertek Testing Services<br>Testing Evaluation Lab., Inc. | <b><u>Signed by</u></b><br>William Shelton, P.E.<br>Mike van Geyn<br>William Shelton, P.E. |
| 2. <b><u>Drawing No.</u></b><br>No. FL-13922.10                                 | <b><u>Prepared by</u></b><br>RW Building Consultants, Inc. (#9813)                           | <b><u>Signed &amp; Sealed by</u></b><br>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**