

# Product Evaluation Report

Report No.: FL-26347.1

Date: September 13, 2023

| Product Category | Sub Category                      | Manufacturer                                                               | Product Name                                                                                      |
|------------------|-----------------------------------|----------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------|
| Exterior Doors   | Swinging Exterior Door Assemblies | Latchable, Inc.<br>450 W 33rd Street<br>New York, NY<br>Ph. (585) 734-8680 | "M" SERIES<br>Electronic Smart Lock<br>in a Steel Wood Edge Door<br>Inswing / Outswing - "Impact" |

**Scope:** Product Evaluation report issued by R W Building Consultants, Inc. & Lyndon F. Schmidt, P.E. (System ID # 1998) for Latchable, Inc., 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:

- 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).
- 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 the "HVHZ" this product complies with Section 1626 of the Florida Building Code and does not require an impact resistant covering.
- 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.
- For 2x stud framing construction, anchoring of these units shall be the same as that shown for 2x buck masonry construction.
- Site conditions that deviate from the details of drawing FL-26347.1 require further engineering analysis by a licensed engineer or registered architect.
- Outswing configurations using sill item #16 meet the water infiltration requirements for the "HVHZ". Inswing configurations do 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.
- All steel shall be protected as specified in Section 2222.6 of the FBC.
- See drawing FL-26347.1 for size and design pressure limitations.

## Supporting Documents:

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| 1. <b>Test Report No.</b><br>TEL 07602003<br><br>TEL 07602004<br>ITS J99006660-001<br>TEL 01700389A<br>TEL 01700389B<br>TEL 01700389C<br>TEL 01700389D                                                                                                | <b>Test Standard</b><br>ASTM E330-02,<br>ASTM E1886-05/E1996-06<br>TAS 201, 202 & 203-94<br>ASTM D 1929-91 & ASTM E 84-97<br>ASTM D 635-03<br>ASTM D 2843-99<br>ASTM D 1929-96<br>ASTM G 155-05a, D 638-03 | <b>Testing Laboratory</b><br>Testing Evaluation Laboratory<br><br>Testing Evaluation Laboratory<br>Intertek Testing Services<br>Testing Evaluation Laboratory<br>Testing Evaluation Laboratory<br>Testing Evaluation Laboratory<br>Testing Evaluation Laboratory | <b>Signed by</b><br>V. K. Wright<br><br>William Shelton, P.E.<br>Douglas K. Tucker, P.E.<br>Lyndon F. Schmidt, P.E.<br>Lyndon F. Schmidt, P.E.<br>Lyndon F. Schmidt, P.E.<br>Lyndon F. Schmidt, P.E. |
| 2. <b>Drawing No.</b><br>No. FL-26347.1                                                                                                                                                                                                               | <b>Prepared by</b><br>RW Building Consultants, Inc. (#9813)                                                                                                                                                |                                                                                                                                                                                                                                                                  | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.                                                                                                                                             |
| 3. <b>Calculations</b><br>Anchoring                                                                                                                                                                                                                   | <b>Prepared by</b><br>RW Building Consultants, Inc. (#9813)                                                                                                                                                |                                                                                                                                                                                                                                                                  | <b>Signed &amp; Sealed by</b><br>Lyndon F. Schmidt, P.E.                                                                                                                                             |
| 4. <b>Quality Assurance</b><br>Certificate of Participation issued by Intertek Testing Services NA, Inc., certifying that Latchable, Inc. is manufacturing products within a quality assurance program that complies with ISO/IEC 17020 and Guide 53. |                                                                                                                                                                                                            |                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                      |

Digitally signed by  
Lyndon F Schmidt  
Date: 2023.09.13  
11:07:22 -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 9-13-23.  
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**