Alarm Lock System, LLC subsidiary of NAPCO Security Technologies, Inc.
333 Bayview Avenue,
Amityville, New York, NY 11701

SCOPE:
This NOA is being issued under the applicable rules and regulations governing the use of construction materials. The documentation submitted has been reviewed and accepted by Miami-Dade County RER - Product Control Section to be used in Miami Dade County and other areas where allowed by the Authority Having Jurisdiction (AHJ).
This NOA shall not be valid after the expiration date stated below. The Miami-Dade County Product Control Section (In Miami Dade County) and/or the AHJ (in areas other than Miami Dade County) reserve the right to have this product or material tested for quality assurance purposes. If this product or material fails to perform in the accepted manner, the manufacturer will incur the expense of such testing and the AHJ may immediately revoke, modify, or suspend the use of such product or material within their jurisdiction. RER reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Section that this product or material fails to meet the requirements of the applicable building code.
This product is approved as described herein, and has been designed to comply with the Florida Building Code, including the High Velocity Hurricane Zone.

DESCRIPTION: Alarm Series Cylindrical lock set & Mortise lock w/ dead bolt Hardware-Component Approval

APPROVAL DOCUMENT: Drawing No. “MD-2” Rev C, titled “Hardware-Models”, sheets 1 through 7 of 7, prepared by manufacturer, dated 11/13/15 and last revised on DEC 18, 2018, signed and sealed by Ronald Ogur, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and Revision date by the Miami-Dade County Product Control Section.

MISSILE IMPACT RATING: Large Missile Impact Resistant

Limitations:
1. The locking Hardware components are approved to be used as an equal alternate device in approved outswing single steel doors (36” W X 84” H max panel), having current NOA. Lower design pressure of the component or the door shall control for the entire assembly.
2. Marks series 195 (GR 1) lock body and Marks series 5 (GR1) Mortise body are integral part of the Alarm locks.
3. Electrical device installation is not part of this approval, such installation to be reviewed by AHJ

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, Santa Domingo, Dominican Republic and Series and following statement: "Miami-Dade County Product Control Approved", unless otherwise noted herein.

RENEWAL of this NOA shall be considered after a renewal application has been filed and there has been no change in the applicable building code negatively affecting the performance of this product.

TERMINATION of this NOA will occur after the expiration date or if there has been a revision or change in the materials, use, and/or manufacture of the product or process. Misuse of this NOA as an endorsement of any product, for sales, advertising or any other purposes shall automatically terminate this NOA. Failure to comply with any section of this NOA shall be cause for termination and removal of NOA.

ADVERTISEMET: The NOA number preceded by the words Miami-Dade County, Florida, and followed by the expiration date may be displayed in advertising literature. If any portion of the NOA is displayed, then it shall be done in its entirety.

INSPECTION: A copy of this entire NOA shall be provided to the user by the manufacturer or its distributors and shall be available for inspection at the job site at the request of the Building Official.
This NOA revises NOA # 16-0316.04 and consists of this page 1 and evidence pages E-1 and E-2, as well as approval document mentioned above.
The submitted documentation was reviewed by Ishaq I. Chanda, P.E.

NOA No. 18-1011.08
Expiration Date: December 15, 2021
Approval Date: January 10, 2019
Page 1
NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. Evidence submitted in previous files

A. DRAWINGS
   1. Manufacturer's die drawings and sections.
   2. Drawing No. "MD-2" Rev B, titled "Hardware-Models", sheets 1 through 7 of 7, prepared by manufacturer, dated 11/13/15 and last revised on 12-01-2016, signed and sealed by Ronald Ogur, P.E.

B. TESTS (submitted under file #16-0316.04)
   1. Test reports on: 1) Air Infiltration Test, per FBC, TAS 202-94
      2) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
      3) Water Resistance Test, per FBC, TAS 202-94 (see door approval)
      4) Large Missile Impact Test per FBC, TAS 201-94
      5) Cyclic Wind Pressure Loading per FBC, TAS 203-94
      6) Forced Entry Test, per FBC 2411 3.2.1, TAS 202-94

   Along with marked-up drawings and installation diagram of Single steel doors w/ cylindrical and Mortise locking hardware, prepared by National Certified Testing lab, Inc., Test Report No. NCTL-110-19132-1, dated 09/21/16, signed and sealed by Harold E. Rupp, P. E.
   (Note: This test report has been revised by addendum letters dated 11/21/16, issued by National Certified Testing lab, signed and sealed by Harold E. Rupp, P.E.)

C. CALCULATIONS
   1. None

D. QUALITY ASSURANCE
   1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS
   1. None.

F. STATEMENTS
   1. Statement letter of conformance to FBC 2014(5th Edition) and letter of no financial interest, dated 08/05/2016, signed and sealed by Ronald Ogur, P.E.
   2. Statement letter dated Nov 30th, 2016, issued by NAPCO Security Group Inc., certifying on behalf of company that Alarm Lock System, LLC and Marks USA, LLC are wholly owned subsidiary, signed by Robert Schettino, Controller, Napco Security Technology, Inc.
   3. Statement letter dated 22 November, 2016, issued by Alarm Lock LLC, certifying that Marks USA, LLC is the sister company and Marks USA #195 cylindrical and Marks #5 Mortise lock bodies were used in the Alarm System lock’s hardware component test, signed by George Marks, President Marks USA, LLC.
   4. Lab compliance letter, part of the test report.

G. OTHER
   1. Test proposal # 15-1231R, dated 09/18/15 approved by RER.
   2. Technical Boucher of Alarm lock System.
2. **New Evidence submitted**

A. **DRAWINGS**

B. **Test**
   1. None.

C. **CALCULATIONS**
   1. None.

D. **QUALITY ASSURANCE**
   1. Miami Dade Department of Regulatory and Economic Resources (RER).

E. **MATERIAL CERTIFICATIONS**
   1. None.

F. **STATEMENTS**

G. **OTHER**
   1. This NOA revises # 16-0316.04, expiring 12/15/21.

---

Ishaq I. Chanda, P.E.
Product Control Examiner
NOA No. 18-1011.08
Expiration Date: December 15, 2021
Approval Date: January 10, 2019
### General Notes
1. This product is designed to meet Florida Building Code 6th Edition (2017) for high velocity zone.
2. The lock component hardware products listed in this NOA shall be used in conjunction with current NOA’s utilizing similar components and will be limited by the lesser design pressure. The products can be used with steel side hinged swing doors, holding current NOA.
3. Design pressure rating see Table Page 1.
4. The lock component hardware products listed in this NOA meet the requirements for high velocity hurricane wind borne debris zones as prescribed in Section 1622 of the Florida Building Code. Design pressures are limited by the lower of the component or NOA’s that they are used in conjunction with.

### Residential & Light Commercial 161 Hardware
- **ALARM LOCK: DL, PDL, PL SERIES—CYLINDRICAL LOCK, ANSI/BMA A156.2-2011 GRADE 1**
- **ALARM LOCK: DL, PDL, PL SERIES—MORTISE LOCKS, GRADE 1 ANSI/BMA A156.13-2012 GRADE 1**

### Table of Contents:
- **1. General Notes and Approved Hardware Models**
- **2. Typical Jamb to Buck and Door Cross Section**
- **3. Single Out-Swinging Commercial Steel Door**
- **4. Cylindrical Lock Assy, Exploded View**
- **5. Mortise Lock Assy, Exploded View**
- **6. Cylindrical Locks Installation Template**
- **7. Mortise Locks Installation Template**

### Design Pressure Rating (Single Out Swing Units)

<table>
<thead>
<tr>
<th>Hardware Model (Component Approval)</th>
<th>Door Panel Size, Type &amp; Swing (Under Separate Approval)</th>
<th>Design Pressure (Component)</th>
</tr>
</thead>
<tbody>
<tr>
<td>ALARM LOCK DL, PDL &amp; PL ANSI GRADE 1 CYLINDRICAL LOCKSETS</td>
<td>35 3/4&quot; x 83 1/8&quot; STEEL OUTFRAME</td>
<td>+90.0 psf -90.0 psf</td>
</tr>
<tr>
<td>ALARM LOCK DL, PDL &amp; PL ANSI GRADE 1 MORTISE LOCKSETS</td>
<td>35 3/4&quot; x 83 1/8&quot; STEEL OUTFRAME</td>
<td>+90.0 psf -90.0 psf</td>
</tr>
</tbody>
</table>

**Limitation and Specification Notes**

1. This device is approved to be equal alternative to be used in single steel doors, holding current NOA. The lowest design pressure rating shall apply.
2. Door panel shall be core filled with 3/4" cell paper honeycomb with minimum overall 1.75" thickness or approved foam core, compliance W/FBC.
3. Door panel .050" steel face sheets to be minimum 18 ga. (.050" Min) see test report.
4. Door jambs shall be minimum 2" wide x 5.75" deep 16 ga. (.057" Min) hollow metal steel frame or thicker.
5. This device shall be installed in a single door panel or wider than 35 3/4" and higher than 83 1/8" (see design pressure table).
6. Electrical/electronic function and installation other than self contained electronic device, is not part of this approval and such installation must be reviewed by corresponding building authority.
7. Lock reinforcement for mortise locks shall be .074" minimum roll formed steel, 1.6875" wide x 4.75" deep with .035" lock clip, glued to face sheets. Two lock mounting tabs, minimum .074" welded to door edge 4 places each. Prepared for #12-24 lock mounting screws. See sheet 6.
8. Lock reinforcement for cylindrical locks shall be minimum .078" roll formed steel, 1" wide, 66" deep, welded to door edge 4 places prepared for #8-32 lock mounting screws. See sheet 5.
DOOR AND FRAME:
MINIMUM DOOR THICKNESS OF 1–3/4"
STEEL FRAME: BRAKE FORMED STEEL, .057" MINIMUM WITH DIE MITERED, CONTINUOUSLY WELDED CORNERS.

LOCK AND STRIKE MOUNTING SCREWS:
MORTISE LOCK AND STRIKE: 12–24 x 1” FLAT HEAD COMBINATION THREAD
CYLINDRICAL LOCK: 8–32 x 3/4” FLAT HEAD COMBINATION THREAD
CYLINDRICAL LOCK STRIKE: 12–24 x 1” FLAT HEAD COMBINATION THREAD

Cylindrical and Mortise Lock Series (Component Approval)

In

Typical Flush Single Out Swing Commercial Steel (Under Separate Approval)
LOCK HARDWARE COMPONENT APPROVAL
IN SINGLE OUT-SWING COMMERCIAL STEEL ENTRANCE DOOR
(UNDER SEPARATE APPROVAL)

TYPICAL ELEVATION

Test Specimen #1
3 Hinges - 4\(\frac{3}{4}\)" x 4\(\frac{3}{4}\)" Regular Weight
with 12-24 MS
ALARM LOCK SYSTEMS,
Series: DL, PDL, PL Cylindrical Lockset

Test Specimen #2
3 Hinges - 4\(\frac{3}{4}\)" x 4\(\frac{3}{4}\)" Regular Weight
with 12-24 MS
ALARM LOCK SYSTEMS,
Series: DL, PDL, PL Mortise Lockset

16Gj
HM
FRAME

Gasketing@
Head & Jambs
#120 NA
#6x3/4" SMS Screws

18Gj HM DOOR
Honeycomb Core

#10x1 1/2"FH screws
10"O.C.
(Tapcon Screws
Recommended for
Concrete Floor)

RONALD OGUR
LICENSE:
No. 22894

STATE OF
FLORIDA
PROFESSIONAL ENGINEER
12-18-16

ALARM LOCK SYSTEMS, LLC
SUBSIDIARY OF NAPCO SECURITY
TECHNOLOGIES INC.

Project Name: Windstorm Test

<table>
<thead>
<tr>
<th>Rev. #</th>
<th>Description</th>
<th>Date</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td></td>
<td>3</td>
</tr>
<tr>
<td>2</td>
<td></td>
<td>4</td>
</tr>
</tbody>
</table>

Sheet # 3 of 7

Date: 4/29/16
NOTE: 1) CONSULT FACTORY TO ENSURE TEMPLATE IS LATEST REVISION.
2) ADD 1/64" WHEN DUST BOX IS USED

COMMON Q. OF LOCK & STRIKE

LOCK & LATCH CASE SUPPORT REQUIRED BY DOOR MANUFACTURER

OUTSIDE OF DOOR

NOTE: SINGLE OUTSWING STEEL DOOR (UNDER SEPARATE APPROVAL)

LOCKSET SERIES: DL CYLINDRICAL LOCKS
PDL CYLINDRICAL LOCKS
PL CYLINDRICAL LOCKS

FRAME DIMENSIONS

ALARM LOCK SYSTEMS, LLC
SUBSIDIARY OF NAPCO SECURITY TECHNOLOGIES, INC.

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION WHICH SHALL NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF ALARM LOCK SYSTEM INC.

TITLE: CYLINDRICAL LOCKSETS INSTALLATION TEMPLATE, STEEL DOOR

SCALE: 1:2
DWG. SIZE: B
DWG. NO.: MD2
SHEET 6 OF 7

DO NOT SCALE DRAWING

April 2015
11/28/16
B
UPDATED DRAWING
E.B.

NOTE: 2)
ADD 1/64" WHEN DUST BOX IS USED

LOCK & LATCH CASE SUPPORT REQUIRED BY DOOR MANUFACTURER

OUTSIDE OF DOOR

NOTE: SINGLE OUTSWING STEEL DOOR (UNDER SEPARATE APPROVAL)

LOCKSET SERIES: DL CYLINDRICAL LOCKS
PDL CYLINDRICAL LOCKS
PL CYLINDRICAL LOCKS

FRAME DIMENSIONS

ALARM LOCK SYSTEMS, LLC
SUBSIDIARY OF NAPCO SECURITY TECHNOLOGIES, INC.

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION WHICH SHALL NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF ALARM LOCK SYSTEM INC.

TITLE: CYLINDRICAL LOCKSETS INSTALLATION TEMPLATE, STEEL DOOR

SCALE: 1:2
DWG. SIZE: B
DWG. NO.: MD2
SHEET 6 OF 7

DO NOT SCALE DRAWING

April 2015
11/28/16
B
UPDATED DRAWING
E.B.

NOTE: 2)
ADD 1/64" WHEN DUST BOX IS USED

LOCK & LATCH CASE SUPPORT REQUIRED BY DOOR MANUFACTURER

OUTSIDE OF DOOR

NOTE: SINGLE OUTSWING STEEL DOOR (UNDER SEPARATE APPROVAL)

LOCKSET SERIES: DL CYLINDRICAL LOCKS
PDL CYLINDRICAL LOCKS
PL CYLINDRICAL LOCKS

FRAME DIMENSIONS

ALARM LOCK SYSTEMS, LLC
SUBSIDIARY OF NAPCO SECURITY TECHNOLOGIES, INC.

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION WHICH SHALL NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF ALARM LOCK SYSTEM INC.

TITLE: CYLINDRICAL LOCKSETS INSTALLATION TEMPLATE, STEEL DOOR

SCALE: 1:2
DWG. SIZE: B
DWG. NO.: MD2
SHEET 6 OF 7

DO NOT SCALE DRAWING

April 2015
11/28/16
B
UPDATED DRAWING
E.B.

NOTE: 2)
ADD 1/64" WHEN DUST BOX IS USED

LOCK & LATCH CASE SUPPORT REQUIRED BY DOOR MANUFACTURER

OUTSIDE OF DOOR

NOTE: SINGLE OUTSWING STEEL DOOR (UNDER SEPARATE APPROVAL)

LOCKSET SERIES: DL CYLINDRICAL LOCKS
PDL CYLINDRICAL LOCKS
PL CYLINDRICAL LOCKS

FRAME DIMENSIONS

ALARM LOCK SYSTEMS, LLC
SUBSIDIARY OF NAPCO SECURITY TECHNOLOGIES, INC.

THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION WHICH SHALL NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF ALARM LOCK SYSTEM INC.

TITLE: CYLINDRICAL LOCKSETS INSTALLATION TEMPLATE, STEEL DOOR

SCALE: 1:2
DWG. SIZE: B
DWG. NO.: MD2
SHEET 6 OF 7

DO NOT SCALE DRAWING

April 2015
11/28/16
B
UPDATED DRAWING
E.B.
NOTES:
1. CONSULT FACTORY TO ENSURE TEMPLATE IS LATEST REVISION.
2. ADD 1/64" WHEN DUST BOX IS USED.

OUTSIDE OF DOOR
FLOOR

AS REQ'D

NOTE: SINGLE OUTSWING STEEL DOOR (UNDER SEPARATE APPROVAL)

LOCK CASE SUPPORT IS REQ'D FROM DOOR MFR.

DATE  REV  DESCRIPTION  AUTH  DR
11/28/16  B  UPDATED DRAWING  E.B.  E.B.

COMMON & LOCK & STRIKE

BACKSET

12-24 TAP (2 HOLES)

.750

6 Holes

.3/8" THRU

.750

3/4" THRU HOLE

1/4" MIN.

LOCK EDGE

INSIDE OF DOOR

LEVER KNOB

Lever Spacing:

MANDATORY AS COMPLIANT WITH THE FLORIDA BUILDING CODE
Acceptance No.
Exp. Date.

FRAME DIMENSIONS

1/2" MIN.

1/16" MIN.

LOCK SERIES: DL MORTISE LOCKS
PD, MORTISE LOCKS
PL MORTISE LOCKS

ALARM LOCK SYSTEMS, LLC
SUBSIDIARY OF NAPCO SECURITY TECHNOLOGIES, INC.

SCALE
1:2

DRAWN BY
E.B.

CHECKED BY
E.B.

APPROVED BY

TOLERANCES
DECIMAL ±.005
FRACTIONAL ±1/64

TITLE INSTALLATION TEMPLATE, STEEL DOOR WITH STANDARD MORTISE LOCK FRONT

ANGULAR ±1°

DATE 11-08-15

REV. MD2

SHEET 7 OF 7