



DEPARTMENT OF REGULATORY AND ECONOMIC RESOURCES (RER)
BOARD AND CODE ADMINISTRATION DIVISION

NOTICE OF ACCEPTANCE (NOA)

MIAMI-DADE COUNTY
PRODUCT CONTROL SECTION

11805 SW 26 Street, Room 208
T (786) 315-2590 F (786) 315-2599

www.miamidade.gov/economy

Marks USA I, LLC subsidiary of NAPCO Security Technologies, Inc.

365 Bayview Avenue
Amityville, 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: Component Approval – Marks USA I, LLC Series 5, 130, 165, 175, 195 & Z50S Lockset Hardware and Model M9900H & Model M9900FH Rim Exit Devices for Commercial Steel Doors – L.M.I.

APPROVAL DOCUMENT: Drawing No. MD1 Rev D, titled "Marks USA I, LLC", sheets 1 through 10 of 10, dated 06/09/16 and last revised on 05-09-2024, prepared by manufacturer, signed and sealed by Ronald Ogur, P.E., bearing the Miami-Dade County Product Control Revision stamp with the Notice of Acceptance number and expiration 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 (see sheet 1) or the door shall control for the entire assembly.
2. Marks series 195 lock body and Marks series 5 Mortise body are grade G-1.
3. New added part iLOQ Z50S (Rose shell only) allowed.
4. 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, city, state, model/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.

ADVERTISEMENT: 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.

The submitted documentation was reviewed by **Ishaq I. Chanda, P.E.**

Ishaq I. Chanda

MIAMI-DADE COUNTY
APPROVED

NOA No. 24-0321.10
Expiration Date: October 27, 2026
Approval Date: May 23, 2024
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

1. EVIDENCE SUBMITTED UNDER PREVIOUS NOA's

A. DRAWINGS

1. Manufacturer's die drawings and sections.
(Submitted under NOA's No. 03-1112.01 and No. 08-1204.03)
2. Drawing No **MD1**, titled "Marks USA ILLC", sheets 1 through 8 of 8, dated 02/13/04, 11/09/15, 11/13/16 and 11/17/16, prepared by manufacturer, signed and sealed by Ronald Ogur, P.E.

B. TESTS

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
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 3603.2 (b) TAS 202-94
along with marked-up drawings and installation diagram of 3 specimens of a commercial steel door (X), prepared by National Certified Testing Laboratories, Test Report No. **NCTL-110-19130-01**, dated 05/06/16, revised on 06/23/16 and 09/20/16, signed and sealed by Harold E. Rupp, P.E.
2. 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
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 3603.2 (b) TAS 202-94
along with marked-up drawings and installation diagram of 3 specimens of a commercial steel door (X), prepared by Hurricane Test Laboratory, Inc., Test Report No. **HTL-0279-1017-01**, dated 10/17/01, signed and sealed by Vinu J. Abraham, P.E.
(Submitted under NOA No. 03-1112.01)

C. CALCULATIONS:

1. (For reference only from door approval file)

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 24-0321.10
Expiration Date: October 27, 2026
Approval Date: May 23, 2024

Marks USA I, LLC subsidiary of NAPCO Security Technologies, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC-5th Edition (2014)**, and of no financial interest, dated June 17, 2016, issued, signed and sealed by Ronald Ogur, P.E.
2. Proposal No. **15-1231R** issued by the Product Control Section, dated September 18, 2015 and revised on November 30, 2015, signed by Manuel Perez, P.E.

G. OTHER

1. Notice of Acceptance No. **08-1204.03**, issued to Marks USA, a subsidiary of NAPCO Security Systems, Inc., for their Component Approval – Marks Series 5, 130 & 170 Lockset Hardware Devices-for Commercial Steel Doors – L.M.I., approved on 06/10/09 and expiring on 04/01/14.

2. EVIDENCE SUBMITTED under previous approval

A. DRAWINGS

1. Drawing No **MD1**, titled “Marks USA 1LLC”, sheets 1 through 10 of 10, dated 02/13/04, 11/09/15, 11/13/16 and 11/17/16, with revision B dated 09/19/17, prepared by manufacturer, signed and sealed by Ronald Ogur, P.E.

B. TESTS

1. Test reports on: 1) Uniform Static Air Pressure Test, Loading per FBC TAS 202-94
2) Large Missile Impact Test per FBC, TAS 201-94
3) Cyclic Wind Pressure Loading per FBC, TAS 203-94
4) Forced Entry Test, per FBC 3603.2 (b) TAS 202-94
along with marked-up drawings and installation diagram of 1 specimen of a model M9900FH/M9900H Exit Devices on commercial steel door (X), prepared by National Certified Testing Laboratories, Test Report No. **NCTL-110-19130-01 Addendum**, dated 10/05/17, signed and sealed by Harold E. Rupp, P.E. and addendum letter submitted by Justin L. Bupp.

C. CALCULATIONS

1. None

D. QUALITY ASSURANCE

1. Miami-Dade Department of Regulatory and Economic Resources (RER).

E. MATERIAL CERTIFICATIONS

1. None.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit Supervisor
NOA No. 24-0321.10
Expiration Date: October 27, 2026
Approval Date: May 23, 2024

Marks USA I, LLC subsidiary of NAPCO Security Technologies, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

F. STATEMENTS

1. Statement letter of conformance, complying with **FBC 5th Edition (2014)** and **FBC 6th Edition (2017)**, and of no financial interest, dated November 29, 2017, issued by Ronald Ogur, P.C. Consulting Engineer, signed and sealed by Ronald Ogur, P.E.

G. OTHERS

1. Notice of Acceptance No. **16-0316.03**, issued to Marks USA I, LLC, subsidiary of NAPCO Security Technologies, Inc., expiring on 10/27/21.

3. Evidence submitted under previous approval

A. DRAWINGS

1. Drawing No. **MD1 Rev C**, titled "Marks USA 1, LLC", sheets 1 through 10 of 10, dated 09/19/17 and last revised on 09/17/21, prepared by manufacturer, signed and sealed by Ronald Ogur, P.E.

Note: This is renewal with no change, except code update note.

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

1. Statement letter dated 09/21/2021 of conformance to FBC 2020 (7th Edition) and No financial interest, signed and sealed by Ronald Ogur, P.E.

G. OTHER

1. This NOA **revises & renews # 17-1020.08**, expiring 10/27/26.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit supervisor
NOA No. 24-0321.10
Expiration Date: October 27, 2026
Approval Date: May 23, 2024

Marks USA I, LLC subsidiary of NAPCO Security Technologies, Inc.

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

4. New Evidence submitted

A. DRAWINGS

1. Drawing No. **MD1 Rev D**, titled “Marks USA 1, LLC”, sheets 1 through 10 of 10, dated 06/09/16 and last revised on 05-09-2024, prepared by manufacturer, signed and sealed by Ronald Ogur, P.E.

Note: This is revision with code update note and addition of iLOQ Z50 S (Rose Shell) part only, in sheet 8.

B. Test

1. UL report # R9948 issued to Mark, USA for Single point Lock & latches (GYJT) issued on 07/13/15 and revised on 09/15/23, reviewed by Alec Hauser, Safety Engineer.

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 dated 02/21/2024 of conformance to FBC 2023 (8th Edition) and No financial interest, signed and sealed by Ronald Ogur, P.E.
2. Statement letter dated 04/29/24, issued by iLOQ, authorizing Mark, USA, subsidiary of NAPCO Security Technologies, Inc., to use part “iLOQ Z50S” in Mark, USA NOA, signed by Tim Ainali, CTO, iLOQ OY.

G. OTHER

1. This NOA **revises # 21-1013.04**, expiring 10/27/26.
2. BHMA certificate of compliance dated 04/26/24, Mark, USA as BHMA listed company for ANSI/BHMA A156-2, for Bored and Pre assembled lock & latches.

Ishaq I. Chanda

Ishaq I. Chanda, P.E.
Product Control Unit supervisor
NOA No. 24-0321.10
Expiration Date: October 27, 2026
Approval Date: May 23, 2024

MARKS USA 1LLC
SUBSIDIARY OF NAPCO SECURITY TECHNOLOGIES INC.
365 BAYVIEW AVE.
AMITYVILLE, NY 11701

MIAMI-DADE APPROVED
HARDWARE COMPONENTS

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET FLORIDA BUILDING CODE 8TH EDITION, 2023 FOR HIGH VELOCITY HURRICANE ZONE.
2. THE LOCK 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 HARDWARE PRODUCTS LISTED IN THIS NOA MEET THE REQUIREMENTS FOR HIGH VELOCITY HURRICANE WIND BORNE DEBRIS ZONES AS PRESCRIBED IN SECTION 1626 OF THE FLORIDA BUILDING CODE, DESIGN PRESSURES ARE LIMITED BY THE NOA'S THAT THEY ARE USED IN CONJUNCTION WITH.

RESIDENTIAL & LIGHT COMMERCIAL 161 HARDWARE

MARKS USA 175 SERIES-CYLINDRICAL LOCK, GRADE 2 WITH
MARKS USA 130 SERIES-SINGLE CYLINDER DEAD BOLT LOCK, GRADE 2.
MARKS USA 165 SERIES-CYLINDRICAL LOCK, GRADE 1
MARKS USA 195 SERIES-CYLINDRICAL LOCK, GRADE 1
MARKS USA Z50S SERIES-CYLINDRICAL LOCK, GRADE 1
MARKS USA 5 SERIES-MORTISE LOCKSET, GRADE 1
MARKS USA M9900FH AND M9900H EXIT DEVICES,

TABLE OF CONTENTS:

SHEET#	DESCRIPTION
1	GENERAL NOTES AND APPROVED HARDWARE MODELS
2	TYPICAL JAMB TO BUCK AND DOOR CROSS SECTION
3	MARKS USA, 5 SERIES MORTISE LOCK INSTALLATION TEMPLATE
4	MARKS USA, 165, 175, 195 AND 475 SERIES CYLINDRICAL LOCKS INSTALLATION TEMPLATE
5	MARKS USA, 130 SERIES DEADBOLT WITH 175 CYLINDRICAL LOCK INSTALLATION TEMPLATE
6	MARKS USA 5 SERIES MORTISE LOCK SPECIFICATIONS
7	MARKS USA 175-475 SERIES CYLINDRICAL & 130 SERIES TUBULAR DEADBOLT SPECIFICATIONS
8	MARKS USA 165-465 SERIES CYLINDRICAL LOCK SPECIFICATIONS MARKS USA 195-495 SERIES CYLINDRICAL LOCK SPECIFICATIONS MARKS USA Z50S SERIES CYLINDRICAL LOCK SPECIFICATIONS
9	MARKS USA EXIT DEVICE INSTALLATION TEMPLATE
10	MARKS USA M9900FH AND M9900H EXIT DEVICES EXPLODED VIEW

DATE	REV.	DESCRIPTION	AUTH.	DRWN.
06/09/16	A	UPDATED SPEC'S; REMOVED EXIT DEVICES	G.M.	L.M.
09/19/17	B	ADDED EXIT DEVICES	E.B.	E.B.
09/02/21	C	UPDATED SPECIFICATION TO 7th ADDITION, 2020	E.B.	E.B.
02/13/24	D	UPDATED SPECIFICATION TO 8TH ADDITION, 2023	E.B.	E.B.

DESIGN PRESSURE RATING OUT/INSWING UNITS

HARDWARE MODEL	DOOR SIZE, TYPE & SWING (UNDER SEPARATE APPROVAL)	HARDWARE MODEL
MARKS USA 175 SERIES ANSI GRADE 2 CYLINDRICAL LOCKSET WITH 130 SERIES ANSI GRADE 2 DEADBOLT	35 3/4" X 83 1/8" STEEL OUT-SWING	+90.0 psf -90.0 psf
MARKS USA 165 SERIES ANSI GRADE 1 CYLINDRICAL LOCKS MARKS USA 195 SERIES ANSI GRADE 1 CYLINDRICAL LOCKS MARKS USA Z50S SERIES ANSI GRADE 1 CYLINDRICAL LOCKS	35 3/4" X 83 1/8" STEEL OUT-SWING	+90.0 psf -90.0 psf
MARKS USA 5 SERIES ANSI GRADE 1 MORTISE LOCKS	35 3/4" X 83 1/8" STEEL OUT-SWING	+90.0 psf -90.0 psf
MARKS USA M9900FH AND M9900H EXIT DEVICES	48 X 83 1/8" STEEL OUT-SWING	+80.0 psf -80.0 psf

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.
3. DOOR PANEL FACE SHEETS TO BE MINIMUM 18 GA. (.045"MIN) OR BETTER FOR STEEL DOORS.
4. DOOR JAMBS SHALL BE MINIMUM 2" WIDE x 5.75" DEEP 16 GA. (.057"MIN) HOLLOW METAL STEEL FRAME OR BETTER.
5. LOCKS SHALL BE INSTALLED IN A SINGLE DOOR NO WIDER THAN 35 3/4" AND HIGHER THAN 83 1/8" (SEE DESIGN PRESSURE TABLE).
6. EXIT DEVICES SHALL BE INSTALLED IN A SINGLE DOOR NO WIDER THAN 48" AND HIGHER THAN 83 1/8" (SEE DESIGN PRESSURE TABLE).
7. 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.
8. LOCK REINFORCEMENT FOR MORTISE LOCKS SHALL BE .074" MINIMUM ROLL FORMED STEEL, 1.6875" WIDE, 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.
9. LOCK REINFORCEMENT FOR CYLINDRICAL AND TUBULAR 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.
10. LOCK REINFORCEMENT FOR EXIT DEVICES SHALL BE MIN. .078 ROLL FORMED STEEL 1" WIDE, .66" DEEP, WELDED TO DOOR EDGE 4 PLACES.

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 24-0321.10

Expiration Date 10/27/2026

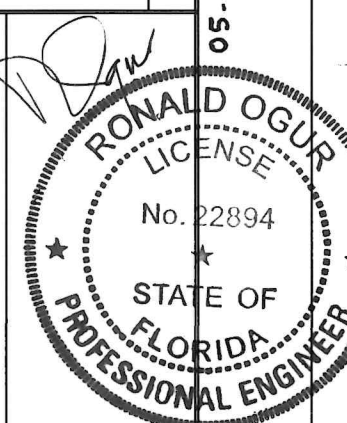
By Ishag I. Chande
Miami-Dade Product Control

APPROVALS
DATE 11-13-
DRAWN: E.B.
CHECKED:
APPROVED:

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

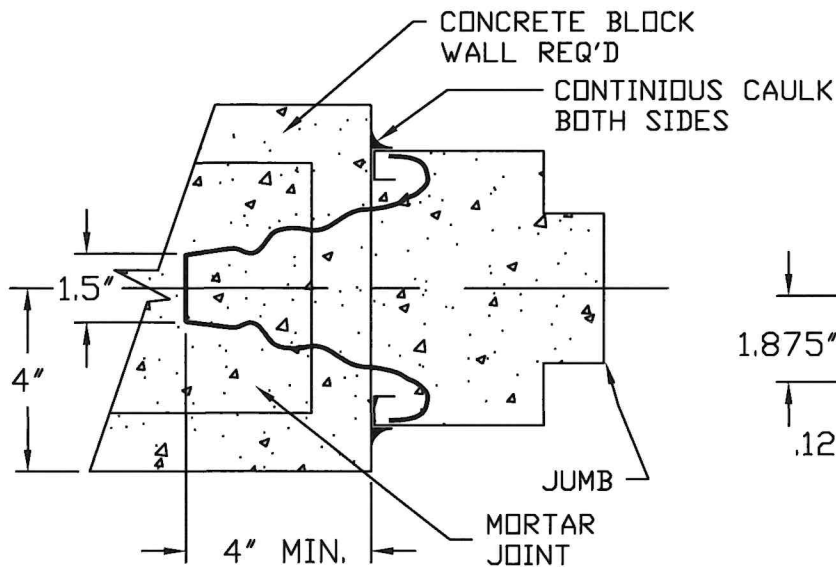
TOLERANCES ARE:
FRACTIONS ± 1/64
DECIMALS .XXX ± .005
ANGLES ± 1°
DO NOT SCALE DRAWING

PREPARED BY:
RONALD OGUR
FPE # 22894
STRUCTURAL AND CIVIL ENGINEER
40 UNDERHILL BLVD.
SYOSSET, N.Y. 11791



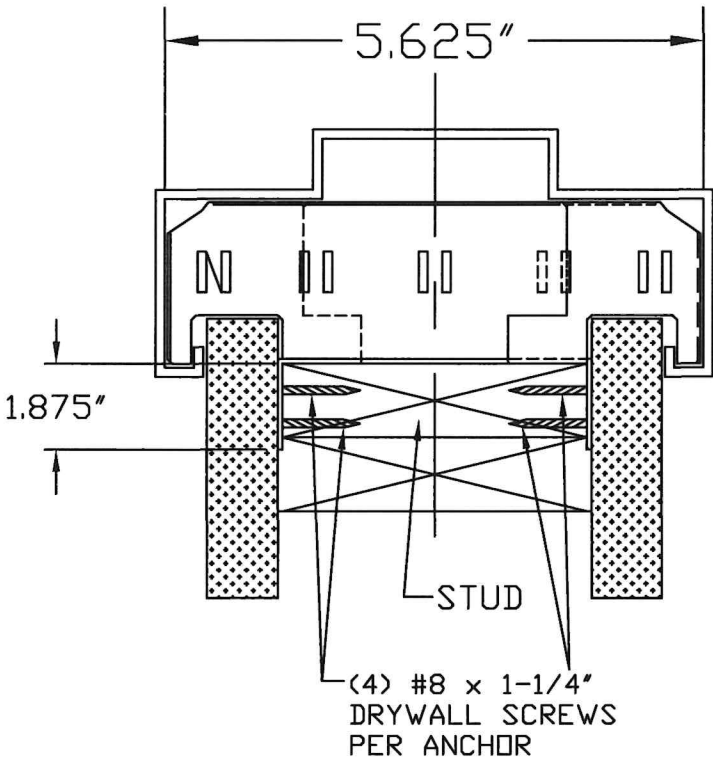
05-01-2024

DATE	REV.	DESCRIPTION	AUTH.	DRWN.
06/09/16	A	UPDATED SHEET #	G.M.	L.M.
11/28/17	B	NO CHANGES ON THIS SHEET	G.M.	E.B.
09/02/21	C	NO CHANGES ON THIS SHEET	E.B.	E.B.
02/13/24	D	NO CHANGES ON THIS SHEET	E.B.	E.B.

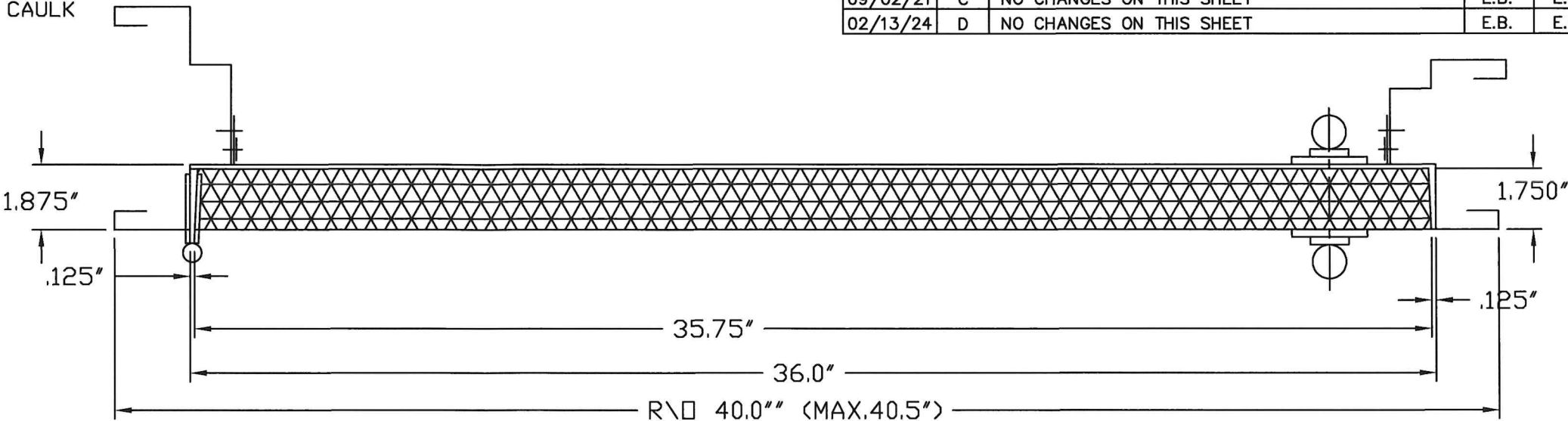


MASONRY WIRE ANCHORS (0.175" DIA.)
IN HORIZ. MORTAR JOINTS;
FILL LAMBS SOLID WITH MORTAR

WIRE ANCHOR DETAIL



STUD ANCHOR DETAIL



TYPICAL FLUSH OUTSWING COMMERCIAL STEEL

PRODUCT REVISED
as complying with the Florida
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NOA-No. 24-0321.10
Expiration Date 10/27/2026
By Ishag I. Chandra
Miami-Dade Product Control

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 3/4" FLAT HEAD COMBINATION THREAD
CYLINDRICAL LOCK: 8-32 x 3/4" FLAT HEAD COMBINATION THREAD
CYLINDRICAL LOCK STRIKE: 12-24 x 3/4" FLAT HEAD COMBINATION THREAD
DEADBOLT LOCK AND STRIKE: 8-32 x 3/4" FLAT HEAD COMBINATION THREAD



PREPARED BY: RONALD OGUR FPE # 22894 STRUCTURAL AND CIVIL ENGINEER 40 UNDERHILL BLVD. SYOSSET, N.Y. 11791	APPROVALS		DATE		MARKS USA 1LLC SUBSIDIARY OF NAPCO SECURITY TECHNOLOGIES INC.					
	DRAWN: E.B.		11/13/15							
	CHECKED:									
	APPROVED:									
	UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.				TITLE: TYPICAL JAMB TO BUCK & DOOR CROSS SECTIONS					
	TOLERANCES ARE:									
	FRACTIONS	DECIMALS	ANGLES		SCALE: NONE		DWG. NO.	MD 1		REV: D
	± 1 64	.XXX ±0.005	± 1°							
DO NOT SCALE DRAWING				SHEET 2 OF 10						

FUNCTIONS	HOLE	HOLES REQUIRED									
		OUTSIDE OF DOOR			INSIDE OF DOOR					THRU	
		a	b	f	a	b	f	e	c	d	
	DIA.	1 1/4	5/8	7/8	1 1/4	5/8	7/8	1 5/8	1	3/8	
A, B, BW, F, FD, FS, FW, H		●				●	●		●	●	
AC, C, FA, FC, FX, G, GC, GL, WW		●			●				●	●	
D, DW, E, EL, EU, EW, J, JM		●							●	●	
HOTELW/IND.		●		●		●	●		●	●	
L, LF, LJ			●			●	●		●	●	
LH		●	●			●	●		●	●	
N									●	●	
P		●				●	●				
S		●									
SC		●						●			
T		●			●						

NOTE: 1. CONSULT FACTORY TO INSURE TEMPLATE IS LATEST REVISION.
2. ADD 1/64" WHEN DUST BOX IS USED.

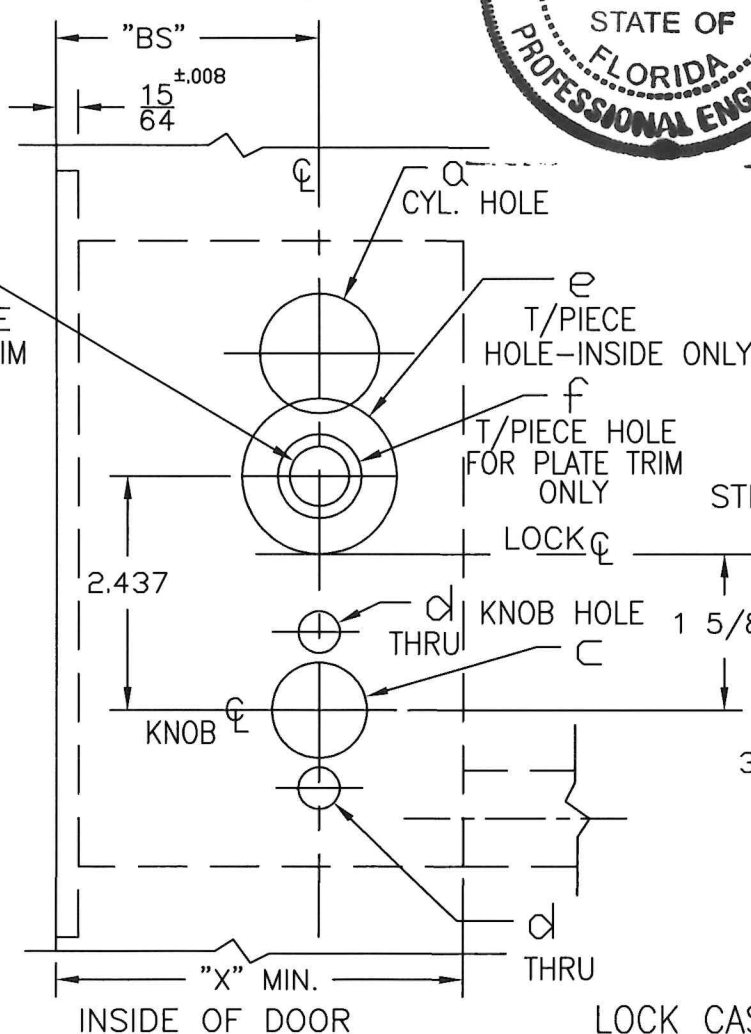
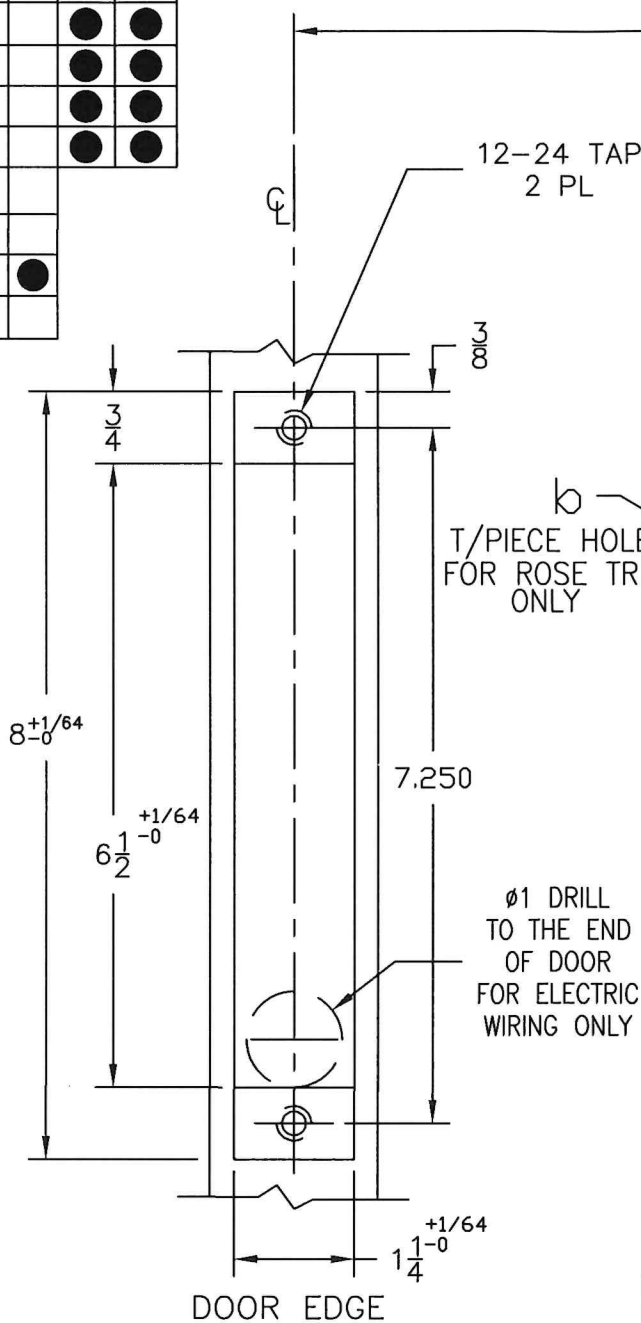
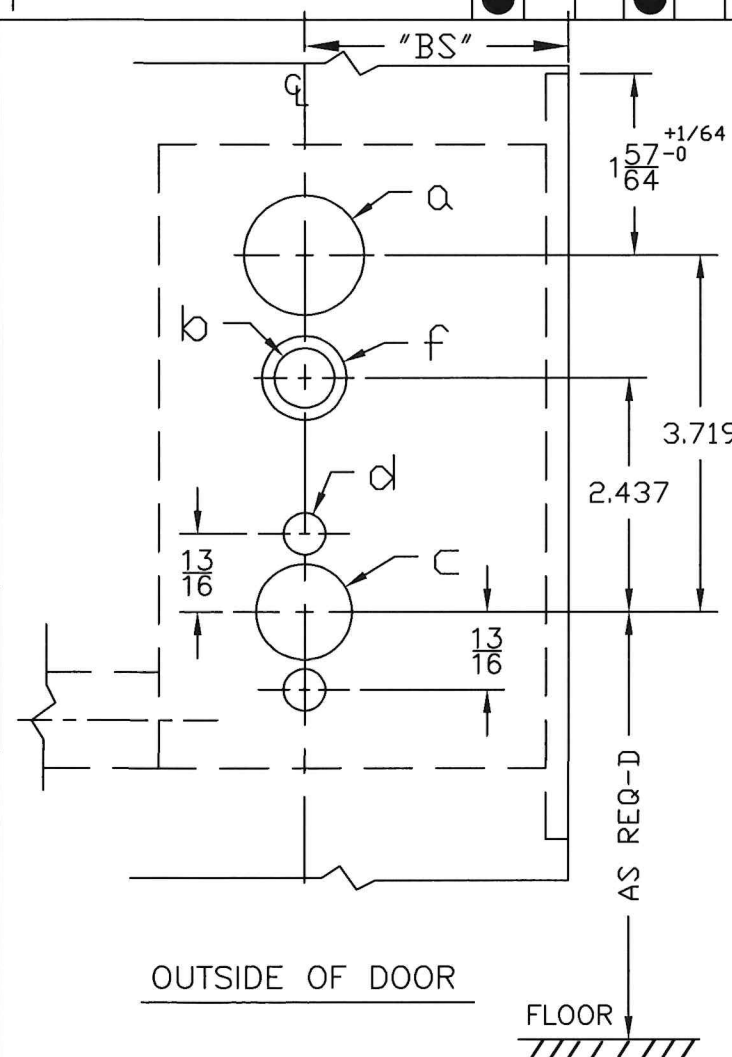
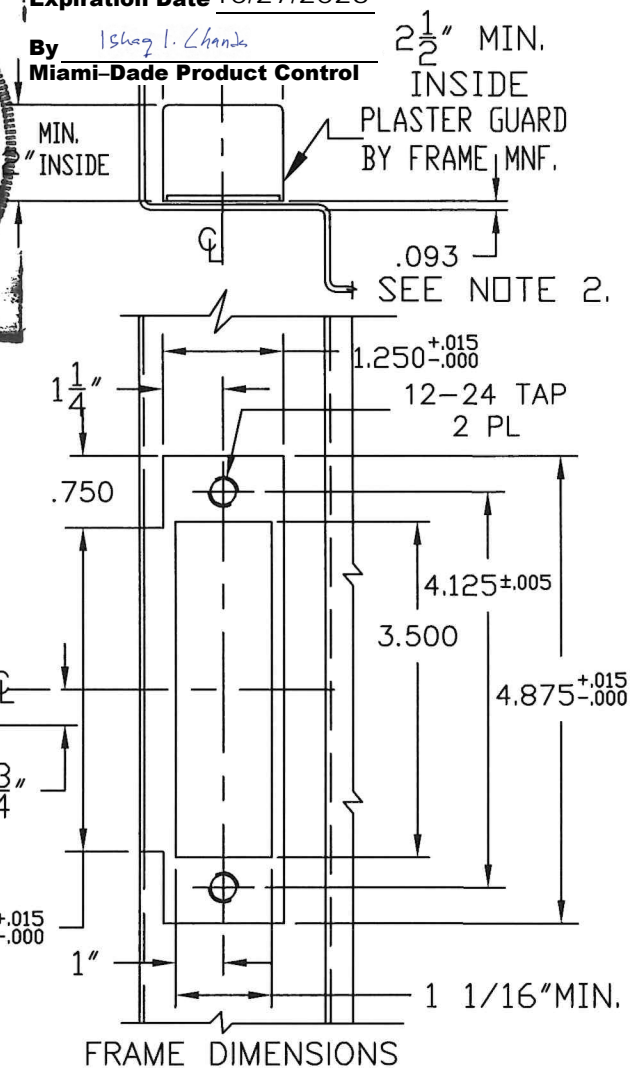
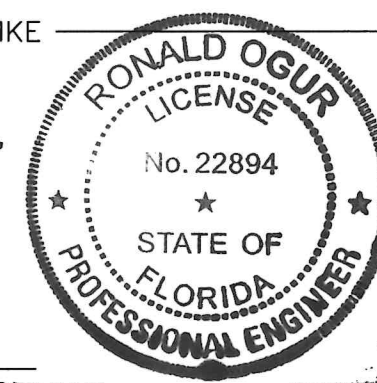
DATE	REV.	DESCRIPTION	AUTH.	DRWN.
06/09/16	A	UPDATED TITLE AND SHEET #	G.M.	L.M.
11/28/17	B	NO CHANGES ON THIS SHEET	G.M.	E.B.
09/02/21	C	NO CHANGES ON THIS SHEET	E.B.	E.B.
02/13/24	D	NO CHANGES ON THIS SHEET	E.B.	E.B.

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 24-0321.10

Expiration Date 10/27/2026

By Ishag I. Chank
Miami-Dade Product Control



LOCK CASE SUPPORT IS REQ'D FROM DOOR MFR.

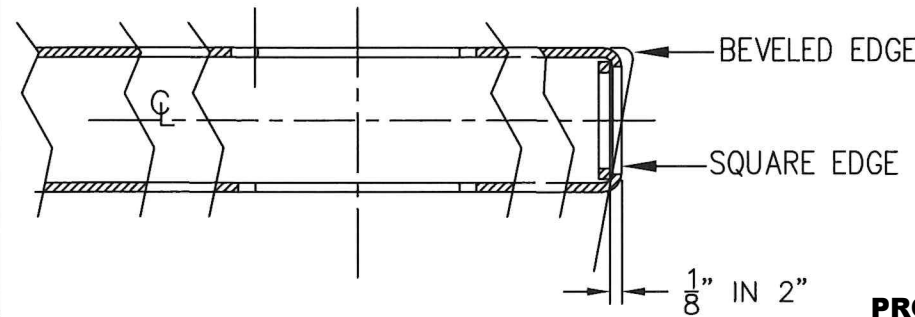
NOTE: TOLERANCES SHOWN ARE FOR CUTOUTS.

ISSUED DATE:

© 2004 MARKS USA 1LLC

LOCKSET SERIES	"BS"	"X" MIN.
5	2 3/4	4 1/4
55	2 1/2	4

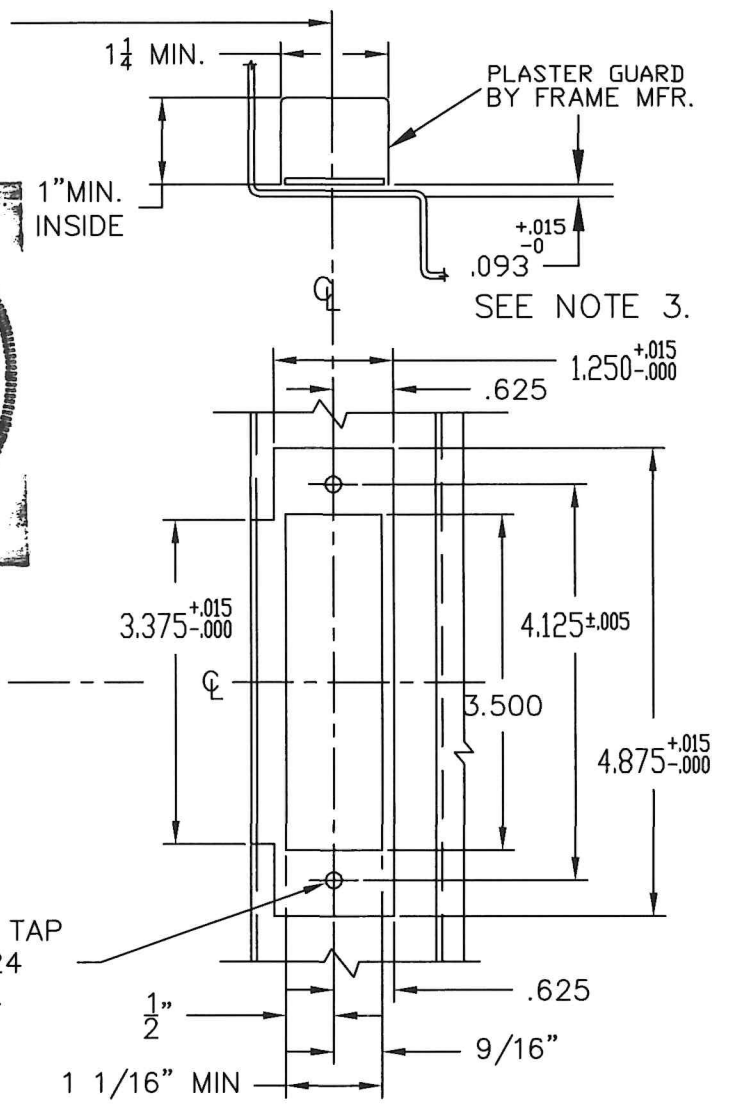
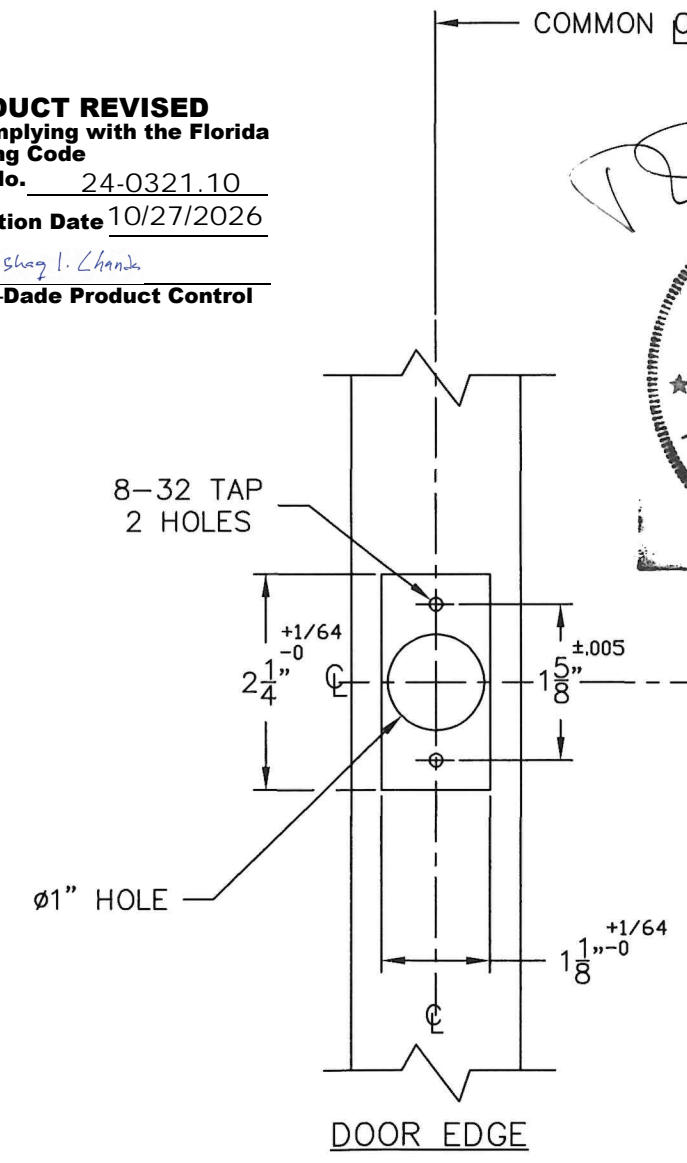
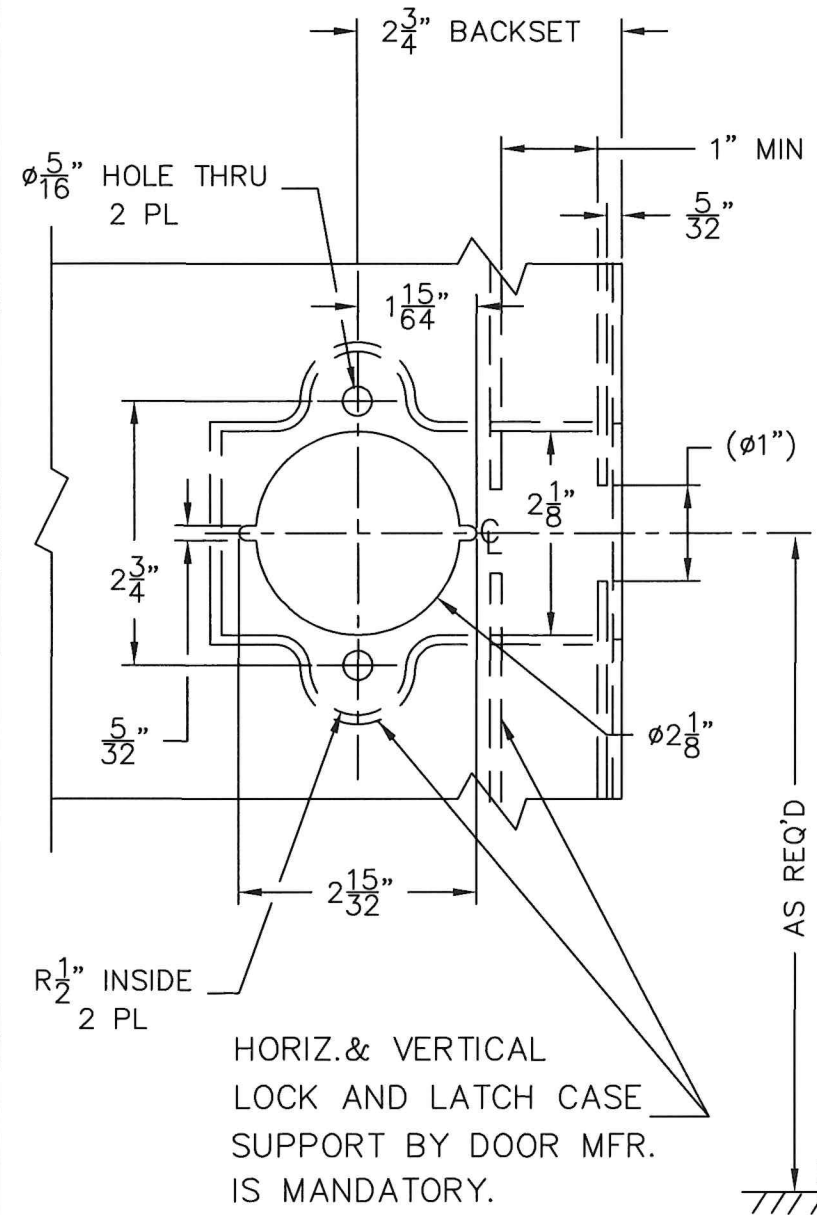
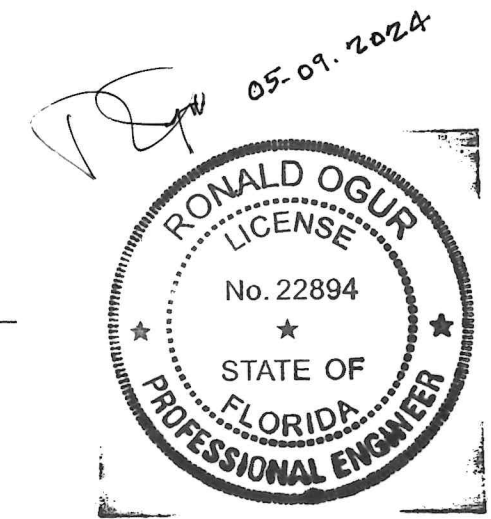
PREPARED BY: RONALD OGUR FPE # 22894 STRUCTURAL AND CIVIL ENGINEER 40 UNDERHILL BLVD. SYOSSET, N.Y. 11791	TOLERANCES (EXCEPT AS NOTED)		MARKS USA 1LLC	
	DECIMAL	±.005	SCALE 1:2	DRAWN BY: E.B.
	FRACTIONAL	±1/64"	TITLE MARKS USA, 5 SERIES MORTISE LOCK INSTALLATION TEMPLATE	
	ANGULAR	±1°	DATE 02-13-04	DWG. SIZE: B
			DRAWING NUMBER MD1	REV. D
			SHEET 3	OF 10



NOTE: 1. CONSULT FACTORY TO INSURE TEMPLATE IS LATEST REVISION.
 2. LOCK CASE SUPPORT IS REQUIRED FROM DOOR MFR.
 3. ADD 1/32" WHEN DUST BOX AND STRIKE .080±.002 THICKNESS ARE USED

DATE	REV.	DESCRIPTION	AUTH.	DRWN.
06/09/16	A	UPDATED TITLE AND SHEET #	G.M.	L.M.
11/28/17	B	NO CHANGES ON THIS SHEET	G.M.	E.B.
09/02/21	C	NO CHANGES ON THIS SHEET	E.B.	E.B.
02/13/24	D	NO CHANGES ON THIS SHEET	E.B.	E.B.

PRODUCT REVISED
 as complying with the Florida Building Code
 NOA-No. 24-0321.10
 Expiration Date 10/27/2026
 By Ishag I. Chank
 Miami-Dade Product Control



FRAME DIMENSIONS
 NOTE: TOLERANCES SHOWN ARE FOR CUTOUTS.

OUTSIDE OF DOOR

FUNCTIONS :						
AB	DA	DC	DW	F	H	—
L	N	NB	P	S	SB	—
RAB	RDA	RDC	RDW	RF	RS	RSB

PREPARED BY: RONALD OGUR FPE # 22894 STRUCTURAL AND CIVIL ENGINEER 40 UNDERHILL BLVD. SYOSSET, N.Y. 11791	TOLERANCES (EXCEPT AS NOTED)		MARKS USA 1LLC		
	DECIMAL	±.005	SCALE	1:2	DRAWN BY: E.B.
	FRACTIONAL	±1/64"	TITLE MARKS USA 175,195 AND 475 SERIES CYLINDRICAL LOCK INSTALLATION TEMPLATE		
	ANGULAR	±1°	DATE	DWG. SIZE	DRAWING NUMBER
			02-13-04	B	MD1
			SHEET 4		OF 10
					REV. D

ISSUED DATE:
 © 2004 MARKS USA 1LLC

MD1

DATE	REV.	DESCRIPTION	AUTH.	DRWN.
06/09/16	A	UPDATED TITLE AND SHEET #	G.M.	L.M.
11/28/17	B	NO CHANGES ON THIS SHEET	G.M.	L.M.
09/02/21	C	UPDATED ANSI SPECIFICATION TO A156.13-2017	E.B.	E.B.
02/13/24	D	NO CHANGES ON THIS SHEET	E.B.	E.B.

MORTISE LOCK SPECIFICATION:

5-SERIES = ANSI A156.13 - 2017

GRADE 1 OPERATIONAL

GRADE 1 SECURITY

UL LISTED FOR 3 HOUR DOORS

EXPOSED TRIM: FORGED BRASS AND STAINLESS STEEL LEVERS OR KNOBS

WROUGHT BRASS, BRONZE AND STAINLESS STEEL ROSES.

WROUGHT AND COLD FORGED ESCUTCHEONS.

KEYING: 6 PIN BRASS CYLINDERS WITH NICKEL SILVER KEYS.

BACK SET: 2 3/4", 2 1/2" AVAILABLE

LATCHES: 3/4" THROW - STAINLESS STEEL.

DEAD BOLT: 1" THROW - STAINLESS STEEL.

STRIKE: ANSI 1 1/4" X 4 7/8" X 1 3/16" LIP STANDARD.

LATCHBOLT/DEADBOLT DIMENSIONS:

LATCHBOLT: 3/4" THROW, .640" X 1.000"

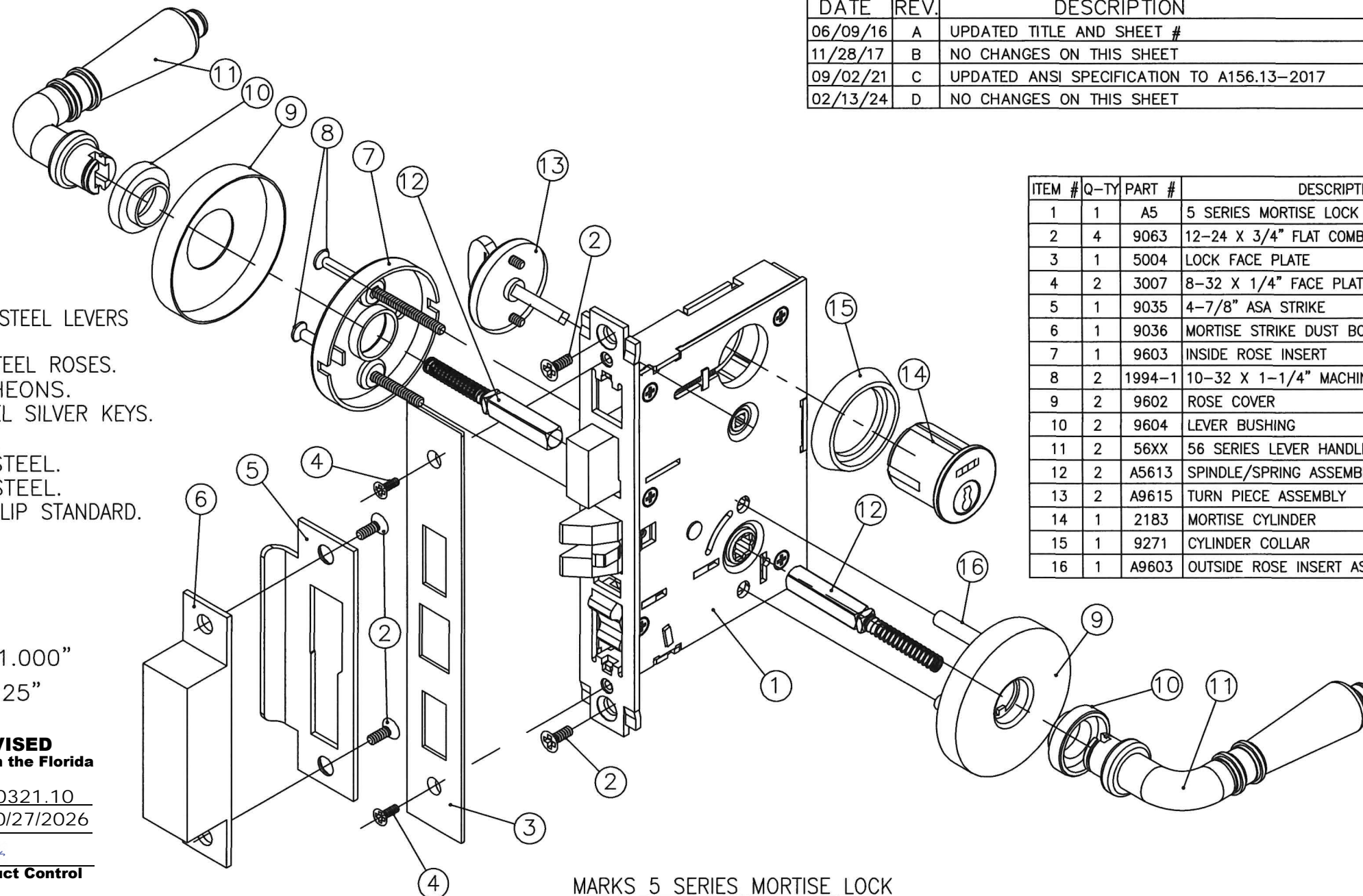
DEADBOLT: 1" THROW, .500" X 1.125"

PRODUCT REVISED
as complying with the Florida
Building Code

NOA-No. 24-0321.10

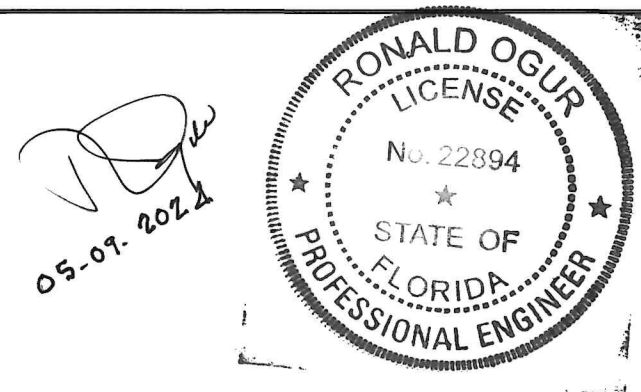
Expiration Date 10/27/2026

By Ishag I. Chanda
Miami-Dade Product Control



ITEM #	Q-TY	PART #	DESCRIPTION
1	1	A5	5 SERIES MORTISE LOCK BODY
2	4	9063	12-24 X 3/4" FLAT COMBO THREAD SCREW
3	1	5004	LOCK FACE PLATE
4	2	3007	8-32 X 1/4" FACE PLATE SCREW
5	1	9035	4-7/8" ASA STRIKE
6	1	9036	MORTISE STRIKE DUST BOX
7	1	9603	INSIDE ROSE INSERT
8	2	1994-1	10-32 X 1-1/4" MACHINE SREW
9	2	9602	ROSE COVER
10	2	9604	LEVER BUSHING
11	2	56XX	56 SERIES LEVER HANDLES
12	2	A5613	SPINDLE/SPRING ASSEMBLY
13	2	A9615	TURN PIECE ASSEMBLY
14	1	2183	MORTISE CYLINDER
15	1	9271	CYLINDER COLLAR
16	1	A9603	OUTSIDE ROSE INSERT ASSEMBLY

MARKS 5 SERIES MORTISE LOCK



PREPARED BY:
RONALD OGUR
FPE # 22894
STRUCTURAL AND CIVIL ENGINEER
40 UNDERHILL BLVD.
SYOSSET, N.Y. 11791

APPROVALS	DATE
DRAWN: E.B.	11-09-15
CHECKED:	
APPROVED:	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.	
TOLERANCES ARE:	
FRACTIONS ± 1/64	DECIMALS .XXX ± .005 .XX ± .010
ANGLES ± 1°	
DO NOT SCALE DRAWING	

MARKS USA 1LLC
SUBSIDIARY OF NAPCO SECURITY TECHNOLOGIES INC.

TITLE: MARKS USA 5 SERIES MORTISE
LOCK SPECIFICATIONS

DWG. NO.	MD1	REV: D
SCALE: N.T.S.	SHEET 6 OF 10	

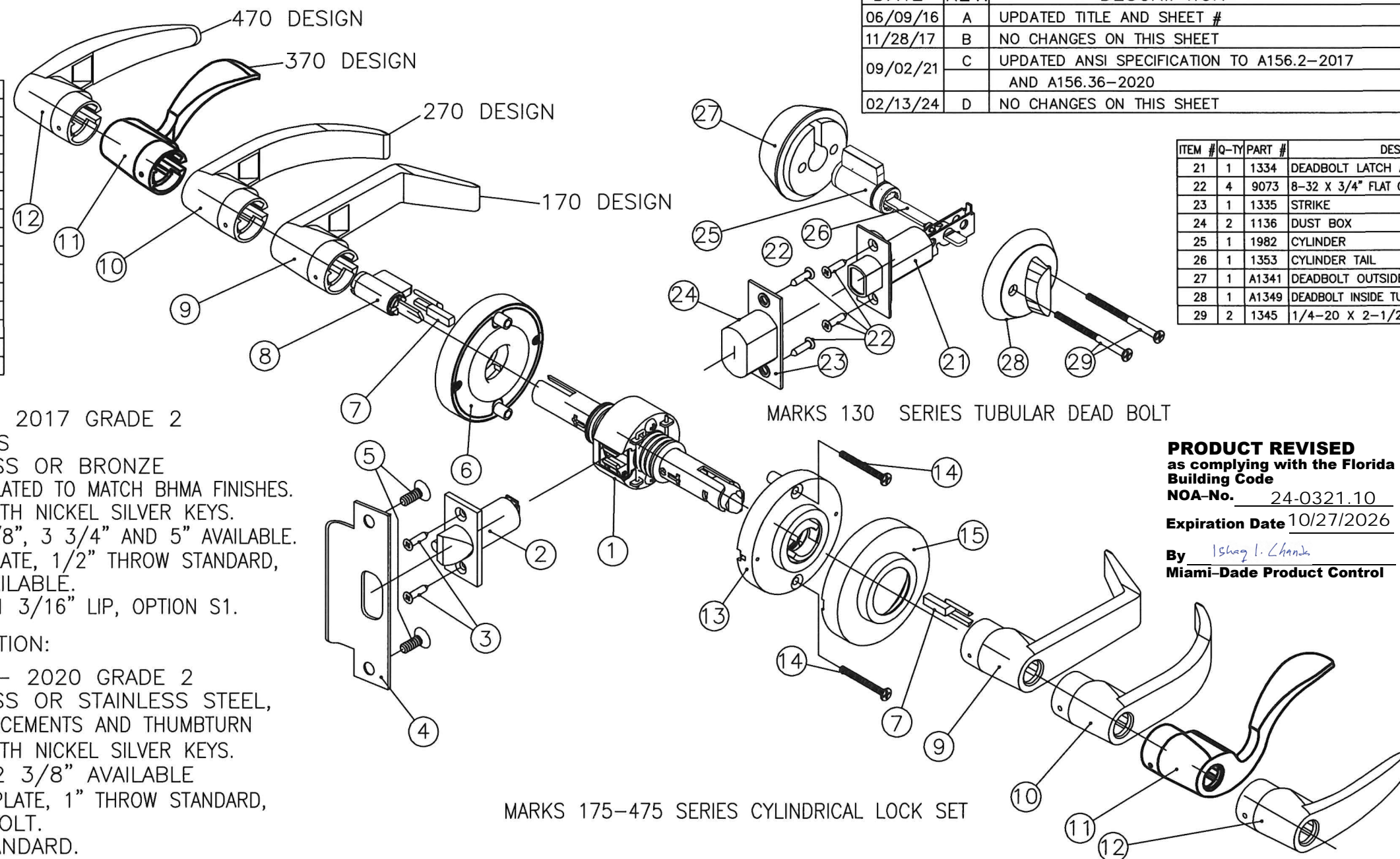
MD1

ITEM #	Q-TY	PART #	DESCRIPTION
1	1	A170	CYLINDRICAL LOCK CHASSIS
2	1	1134	LATCH ASSEMBLY
3	1	9073	8-32 X 3/4" FLAT COMBO THREAD SCREW
4	2	1135	STRIKE
5	2	9063	12-24 X 3/4" FLAT COMBO THREAD SCREW
6	1	A1973	EXTERIOR ROSE INSERT ASSEMBLY
7	1	1997	CYLINDER RETAINER
8	1	1982	CYLINDER
9	2	1752	LEVER, "AMERICAN"
10	2	2752	LEVER, "CRESCENT"
11	2	3752	LEVER, "MONACO"
12	2	4752	LEVER, "TITAN"
13	1	A1971	INTERIOR ROSE INSERT ASSEMBLY
14	2	1985	10-32 X 2-1/2" FLAT HEAD MACHINE SCREW
15	1	1978	ROSE SHELL

175-SERIES = ANSI A156.2 - 2017 GRADE 2
UL LISTED FOR 3 HOUR DOORS
EXPOSED TRIM: WROUGHT BRASS OR BRONZE
LEVERS ARE PRESSURE CAST ZINC, PLATED TO MATCH BHMA FINISHES.
KEYING: 6 PIN BRASS CYLINDERS WITH NICKEL SILVER KEYS.
BACK SET: 2 3/4" STANDARD, 2 3/8", 3 3/4" AND 5" AVAILABLE.
LATCHES: 1 1/8" X 2 1/4" FACEPLATE, 1/2" THROW STANDARD,
BRASS BOLT, 3/4" THROW AVAILABLE.
STRIKE: ANSI 1 1/4" X 4 7/8" X 1 3/16" LIP, OPTION S1.

DEAD BOLT SPECIFICATION:

130-SERIES = ANSI A156.36 - 2020 GRADE 2
EXPOSED TRIM: WROUGHT BRASS OR STAINLESS STEEL,
WITH PRESSURE CAST ZINC REINFORCEMENTS AND THUMBTURN
KEYING: 6 PIN BRASS CYLINDERS WITH NICKEL SILVER KEYS.
BACKSET: 2 3/4" STANDARD, 2 3/8" AVAILABLE
DEADBOLT: 1 1/8" X 2 1/4" FACEPLATE, 1" THROW STANDARD,
HIGH STRENGTH CAST ALLOY BOLT.
STRIKE: 1 1/8" X 2 3/4" STANDARD.



DATE	REV.	DESCRIPTION	AUTH.	DRWN.
06/09/16	A	UPDATED TITLE AND SHEET #	G.M.	L.M.
11/28/17	B	NO CHANGES ON THIS SHEET	G.M.	E.B.
09/02/21	C	UPDATED ANSI SPECIFICATION TO A156.2-2017 AND A156.36-2020	E.B.	E.B.
02/13/24	D	NO CHANGES ON THIS SHEET	E.B.	E.B.

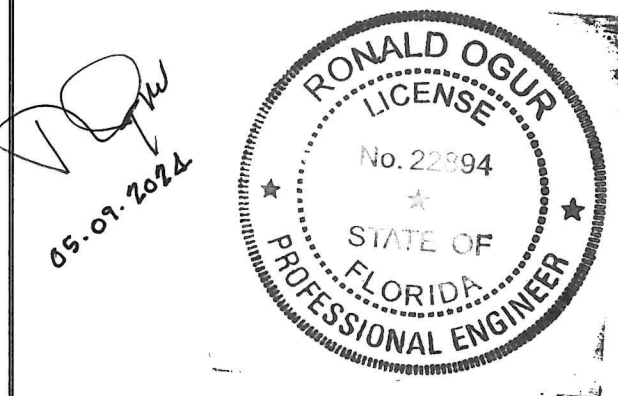
ITEM #	Q-TY	PART #	DESCRIPTION
21	1	1334	DEADBOLT LATCH ASSEMBLY
22	4	9073	8-32 X 3/4" FLAT COMBO THREAD SCREW
23	1	1335	STRIKE
24	2	1136	DUST BOX
25	1	1982	CYLINDER
26	1	1353	CYLINDER TAIL
27	1	A1341	DEADBOLT OUTSIDE ASSEMBLY
28	1	A1349	DEADBOLT INSIDE TURNPIECE ASSEMBLY
29	2	1345	1/4-20 X 2-1/2" SCREW

PRODUCT REVISED
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NOA-No. 24-0321.10

Expiration Date 10/27/2026

By Ishaq I. Chandra
Miami-Dade Product Control

MARKS 175-475 SERIES CYLINDRICAL LOCK SET




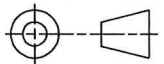
PREPARED BY:
RONALD OGUR
FPE # 22894
STRUCTURAL AND CIVIL ENGINEER
40 UNDERHILL BLVD.
SYOSSET, N.Y. 11791

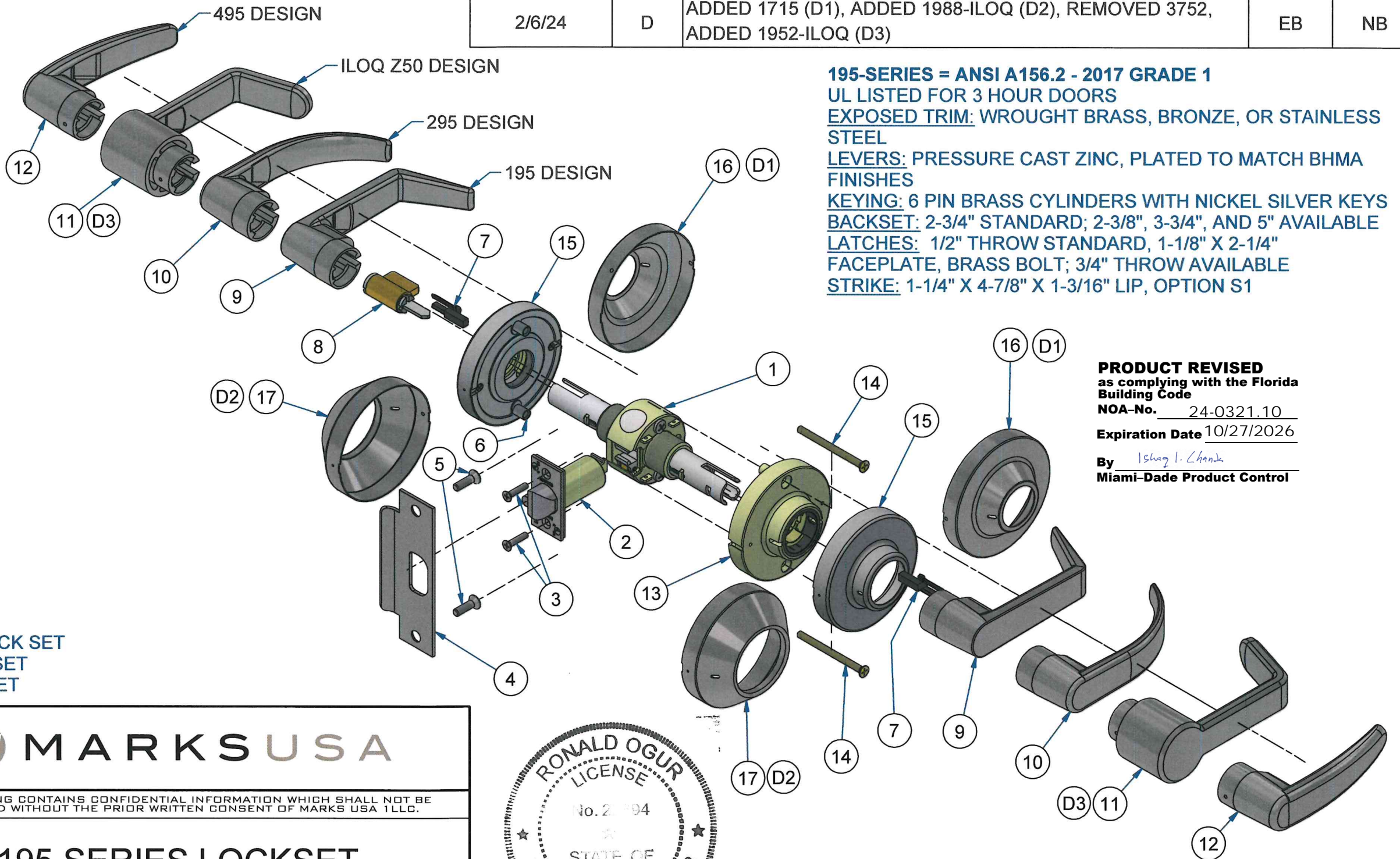
APPROVALS		DATE
DRAWN:	E.B.	11-09-15
CHECKED:		
APPROVED:		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES.		
TOLERANCES ARE:		
FRACTIONS	DECIMALS	ANGLES
± 1/64	.XXX ± .005 .XX ± .010	± 1°
DO NOT SCALE DRAWING		

MARKS USA 1LLC SUBSIDIARY OF NAPCO SECURITY TECHNOLOGIES INC.		
TITLE: MARKS USA 175 / 475 SERIES CYLINDRICAL & 130 SERIES TUBULAR DEADBOLT SPECIFICATIONS		
DWG. NO.	MD1	REV: D
SCALE: N.T.S.	SHEET	7 OF 10

Parts List			
ITEM	QTY	PART #	DESCRIPTION
1	1	A190	CYLINDRICAL LOCK CHASSIS
2	1	1134	LATCH ASSEMBLY, GRADE 1
3	2	9073	8-32 X 3/4" FLAT COMBO SCREW
4	1	1135	STRIKE
5	2	9063	12-24 X 3/4" FLAT COMBO SCREW
6	1	A1973	EXTERIOR ROSE INSERT ASSY
7	2	1997	CYLINDER COVER
8	1	1982	CYLINDER
9	2	1752	LEVER, "AMERICAN"
10	2	2752	LEVER, "CRESCENT"
11	2	1752-ILOQ	LEVER, "ILOQ"
12	2	4752	LEVER, "TITAN"
13	1	A1971	INTERIOR ROSE INSERT ASSY
14	2	1985	10-32 X 2-1/2" FLAT HEAD MACHINE SCREW
15	2	1988	ROSE SHELL
16	2	1715	165 SERIES ROSE SHELL
17	2	1988-ILOQ	ILOQ ROSE SHELL

MARKS 195-495 SERIES CYLINDRICAL LOCK SET
MARKS 165 SERIES CYLINDRICAL LOCK SET
ILOQ Z50S SERIES CYLINDRICAL LOCK SET

DRAWN	NB	12/31/2019		
CHECKED				
MFG				
APPROVED			THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION WHICH SHALL NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF MARKS USA 1LLC.	
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE	
TOLERANCES ARE:			195 SERIES LOCKSET	
FRACTIONS ±1/64	DECIMALS .xxx ± .005 .xx ± .010	ANGLES ± 1°	SIZE B	THIRD ANGLE PROJECTION 
DO NOT SCALE DRAWING			DWG NO MD1	REV D
SCALE 1 / 3			SHEET 8 OF 10	



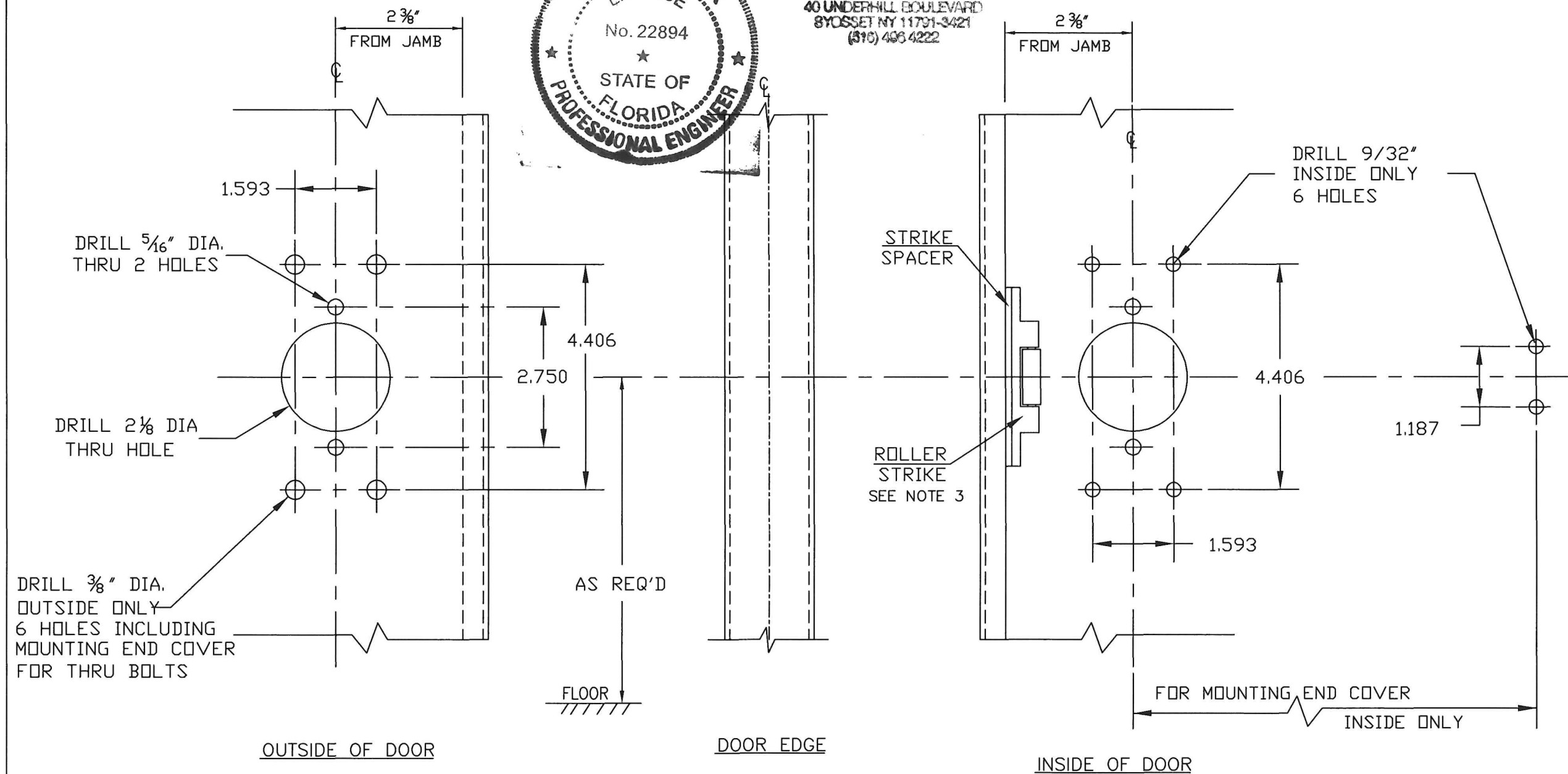
195-SERIES = ANSI A156.2 - 2017 GRADE 1
UL LISTED FOR 3 HOUR DOORS
EXPOSED TRIM: WROUGHT BRASS, BRONZE, OR STAINLESS STEEL
LEVERS: PRESSURE CAST ZINC, PLATED TO MATCH BHMA FINISHES
KEYING: 6 PIN BRASS CYLINDERS WITH NICKEL SILVER KEYS
BACKSET: 2-3/4" STANDARD; 2-3/8", 3-3/4", AND 5" AVAILABLE
LATCHES: 1/2" THROW STANDARD, 1-1/8" X 2-1/4"
FACEPLATE, BRASS BOLT; 3/4" THROW AVAILABLE
STRIKE: 1-1/4" X 4-7/8" X 1-3/16" LIP, OPTION S1

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0321.10
Expiration Date 10/27/2026
By *Ishay L. Chank*
Miami-Dade Product Control



RONALD OGUR P.E.
40 UNDERHILL BOULEVARD
SYOSSET NY 11791-3421
(516) 496 4222

DATE	REV.	DESCRIPTION	AUTH.	DRWN.
06/09/16	A	UPDATED TITLE AND SHEET #	G.M.	E.B.
11/28/17	B	NO CHANGES ON THIS SHEET	G.M.	E.B.
09/02/21	C	NO CHANGES ON THIS SHEET	E.B.	E.B.
02/13/24	D	NO CHANGES ON THIS SHEET	E.B.	E.B.



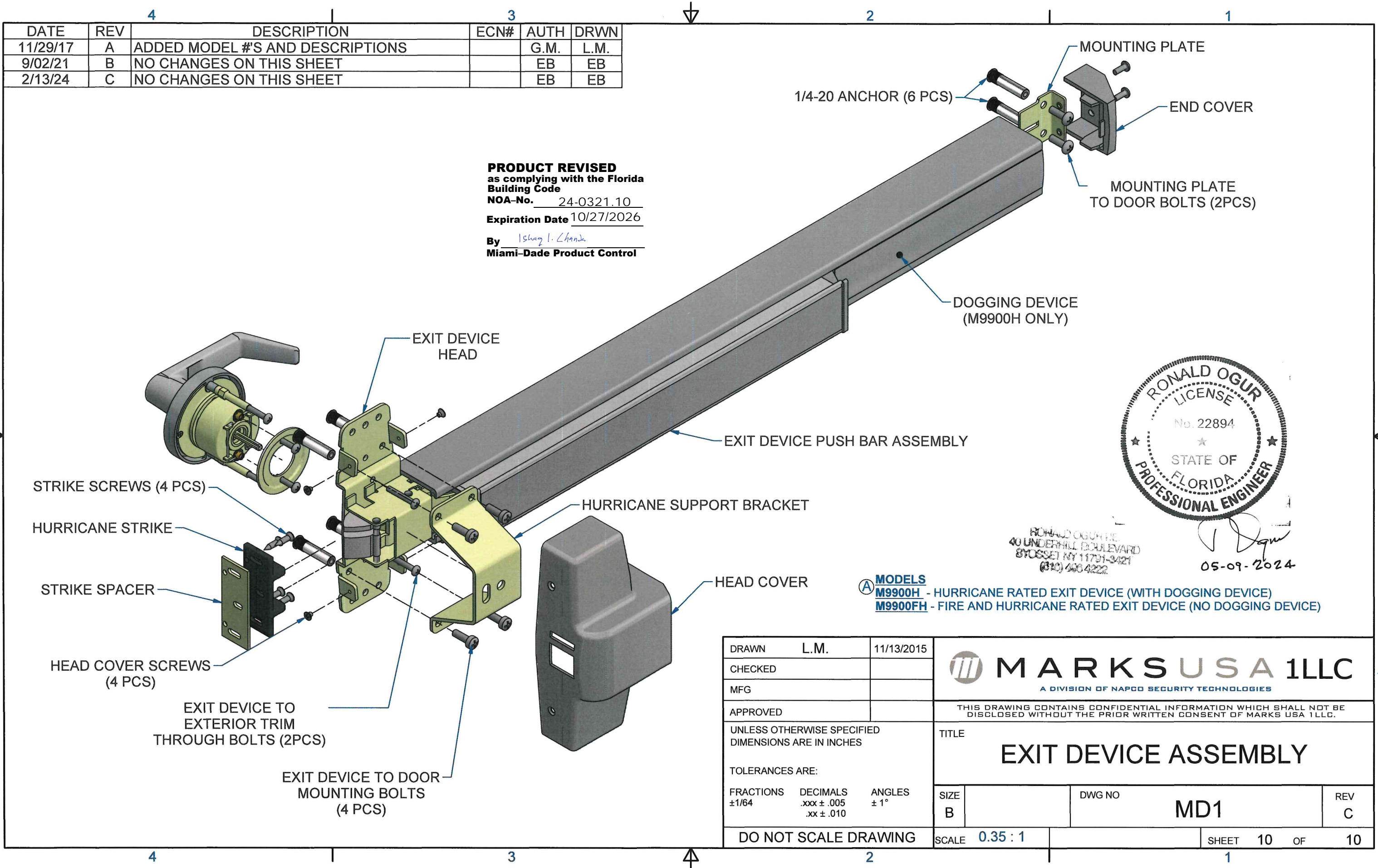
NOTES:

1. CONSULT FACTORY TO ENSURE TEMPLATE IS LATEST REVISION.
2. DOOR SUPPORT FOR EXIT DEVICE AND TRIM IS REQUIRED FROM DOOR MFG.
3. FOR ROLLER STRIKE DRILL AND TAP 1/4-20 THD. 3 HOLES FOR FLAT HEAD MACHINE SCREWS.

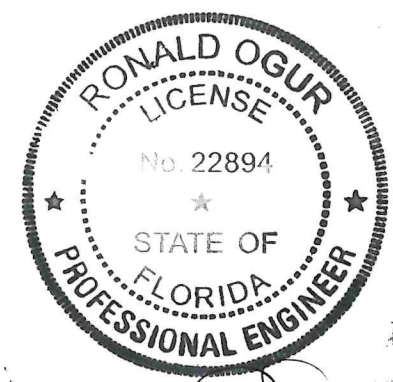
MARKS M9900FH AND M9900H - EXIT DEVICES

PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0321.10
Expiration Date 10/27/2026
By Ishag I. Chandra
Miami-Dade Product Control

		<u>MARKS USA 1LLC</u>			
TOLERANCES (EXCEPT AS NOTED)			SCALE 1: 2	DRAWN BY: E.B.	
DECIMAL ±.005				CHECKED BY:	
				APPROVED BY:	
FRACTIONAL ±1/64"		TITLE INSTALLATION TEMPLATE, STEEL DOOR EXIT DEVICES—LEVER/ROSE TRIM			
ANGULAR ±1°		DATE 11-16-15	DWG. SIZE: B	DWG NO. MD1	REV. D
				SHEET 9 OF 10	




PRODUCT REVISED
as complying with the Florida
Building Code
NOA-No. 24-0321.10
Expiration Date 10/27/2026
By Ishag I. Chande
Miami-Dade Product Control



RONALD OGUR P.E.
40 UNDERHILL BOULEVARD
BOCA RATON, FL 33431
(310) 496 4222

[Signature]
05-09-2024

MODELS
M9900H - HURRICANE RATED EXIT DEVICE (WITH DOGGING DEVICE)
M9900FH - FIRE AND HURRICANE RATED EXIT DEVICE (NO DOGGING DEVICE)

DRAWN	L.M.	11/13/2015	 MARKS USA 1LLC A DIVISION OF NAPCO SECURITY TECHNOLOGIES		
CHECKED					
MFG					
APPROVED			THIS DRAWING CONTAINS CONFIDENTIAL INFORMATION WHICH SHALL NOT BE DISCLOSED WITHOUT THE PRIOR WRITTEN CONSENT OF MARKS USA 1LLC.		
UNLESS OTHERWISE SPECIFIED DIMENSIONS ARE IN INCHES			TITLE EXIT DEVICE ASSEMBLY		
TOLERANCES ARE:			SIZE B	DWG NO MD1	REV C
FRACTIONS ±1/64	DECIMALS .xxx ± .005 .xx ± .010	ANGLES ± 1°	DO NOT SCALE DRAWING		
			SCALE 0.35 : 1	SHEET 10 OF	10