



MIAMI-DADE COUNTY
BUILDING CODE COMPLIANCE OFFICE (BCCO)
PRODUCT CONTROL DIVISION

MIAMI-DADE COUNTY, FLORIDA
METRO-DADE FLAGLER BUILDING
140 WEST FLAGLER STREET, SUITE 1603
MIAMI, FLORIDA 33130-1563
 (305) 375-2901 FAX (305) 372-6339

NOTICE OF ACCEPTANCE (NOA)

www.miamidade.gov/buildingcode

Marks USA, a subsidiary of NAPCO Security Systems, Inc.
5300 New Horizons Blvd.
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 by Miami-Dade County Product Control Division and accepted by the Board of Rules and Appeals (BORA) 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 Division (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. BORA reserves the right to revoke this acceptance, if it is determined by Miami-Dade County Product Control Division 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 Series 5, 130 & 170 Lockset Hardware Devices for Commercial Steel Doors – L.M.I.

APPROVAL DOCUMENT: Drawing No. **MD-1**, titled “Miami Dade Approved Hardware Components”, sheets 1 through 7 of 7, dated 02/09/04 and 02/13/04, prepared by manufacturer, signed and sealed by Ronald Ogur, P.E., bearing the Miami-Dade County Product Control Renewal stamp with the Notice of Acceptance number and expiration date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large and Small Missile Impact Resistant

LABELING: Each unit shall bear a permanent label with the manufacturer's name or logo, city, state 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. This NOA **renews NOA # 03-1112.01** and consists of this page 1 and evidence page E-1, as well as approval document mentioned above.

The submitted documentation was reviewed by **Manuel Perez, P.E.**



NOA No. 08-1204.03
Expiration Date: April 1, 2014
Approval Date: June 10, 2009
Page 1

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's die drawings and sections.
2. Drawing No **MD-1**, Sheets 1 through 7 of 7, titled "Miami Dade Approved Hardware Components", and dated 02/09/04 and 02/13/04, 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 202-94along 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 10/17-18/01, signed and sealed by Vinu J. Abraham, P.E. *(Submitted under previous NOA#03-1112.01)*

C. CALCULATIONS: (For reference only from door approval file)

1. None

D. QUALITY ASSURANCE

1. Miami Dade Building Code Compliance Office (BCCO).

E. MATERIAL CERTIFICATIONS

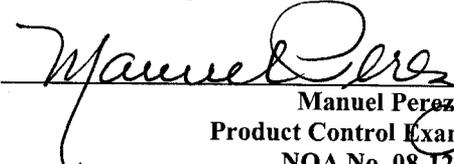
1. None.

F. STATEMENTS

1. Statement letter that there are no changes at this time from the original submittal, and also stating that the company has been acquired by Napco Security Systems dated November 19, 2008, signed by George Marks, President.
2. Statement letter from original engineer confirming he remains active in the engineering business, dated November 19, 2008, signed by Ronald Ogur, P.E.

G. OTHERS

1. Notice of Acceptance No. **03-1112.01**, issued to G. Marks Hardware, Inc., for their Component Approval – Marks Series 5, 130 & 170 Lockset Hardware Devices-for Commercial Steel Doors, approved on 04/01/04 and expiring on 04/01/09.


Manuel Perez, P.E.
Product Control Examiner
NOA No. 08-1204.03

Expiration Date: April 1, 2014
Approval Date: June 10, 2009

MARKS HARDWARE, INC.

5300 NEW HORIZONS BLVD.
AMITYVILLE, NY 11701

MIAMI-DADE APPROVED HARDWARE COMPONENTS

GENERAL NOTES

1. THIS PRODUCT IS DESIGNED TO MEET FLORIDA BUILDING CODE FOR HIGH VELOCITY 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 170 SERIES-CYLINDRICAL LOCK, GRADE 2 WITH
MARKS USA 130 SERIES-SINGLE CYLINDER DEAD BOLT LOCK, GRADE 1.
MARKS USA 5 SERIES-MORTISE LOCK SET, GRADE 1

TABLE OF CONTENTS:

SHEET#	DESCRIPTION
1	GENERAL NOTES AND APPROVED HARDWARE MODELS
2	TYPICAL JAMB TO BUCK CROSS SECTION
3	TYPICAL DOOR CROSS SECTION, MORTISE LOCK
4	TYPICAL DOOR CROSS SECTION, CYLINDRICAL LOCK
5	TYPICAL DOOR CROSS SECTION, DEADBOLT LOCK
6	MARKS USA MORTISE LOCK
7	MARKS USA CYLINDRICAL & TUBULAR LOCK

DESIGN PRESSURE RATING OUT/IN SWING UNITS

HARDWARE MODEL	DOOR SIZE, TYPE & SWING (UNDER SEPARATE APPROVAL)	HARDWARE MODEL
MARKS USA 170 SERIES WITH 130 SERIES DEADBOLT	35 3/4" X 83 1/8" STEEL OUT-SWING	+90.0 psf -90.0 psf
MARKS USA 5 SERIES MORTISE LOCK	35 3/4" X 83 1/8" STEEL OUT-SWING	+90.0 psf -90.0 psf

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No 08-1204.03
Expiration Date APRIL 1, 2014
By *Manuel Perez*
Miami Dade Product Control
Division

Approved as complying with the
Florida Building Code
Date APRIL 1, 2004
NOA# 03-1112.01
Miami Dade Product Control
Division
By *Manuel Perez*

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. THIS DEVICE SHALL BE INSTALLED IN A SINGLE DOOR NO 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, 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.
8. 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.

HARDWARE, INC.



GENERAL NOTES AND APPROVED HARDWARE MODELS

APPROVALS	DATE
L.B.	02-09-04
R.O.	02-09-04
APPROVED:	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

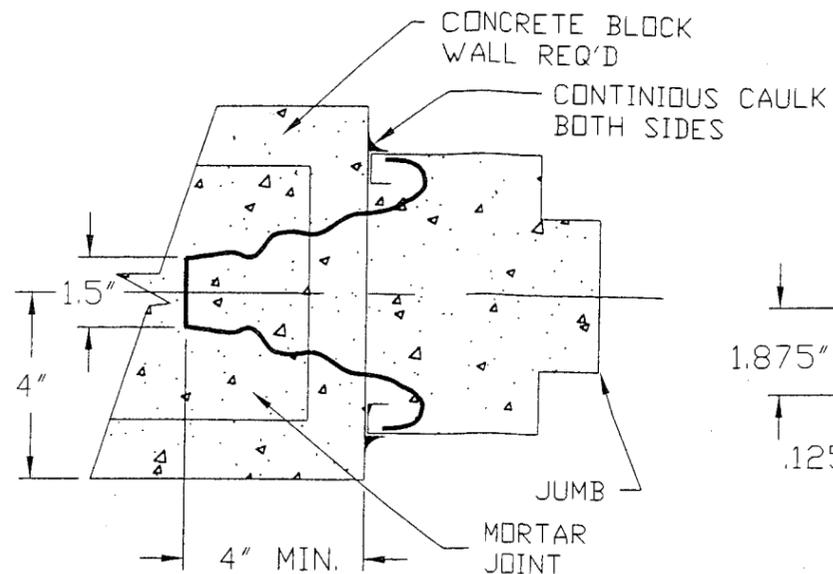
TOLERANCES ARE:

FRACTIONS	DECIMALS	ANGLES
± 1/64	.XXX ± .005	± 1'
	.XX ± .010	

DO NOT SCALE DRAWING

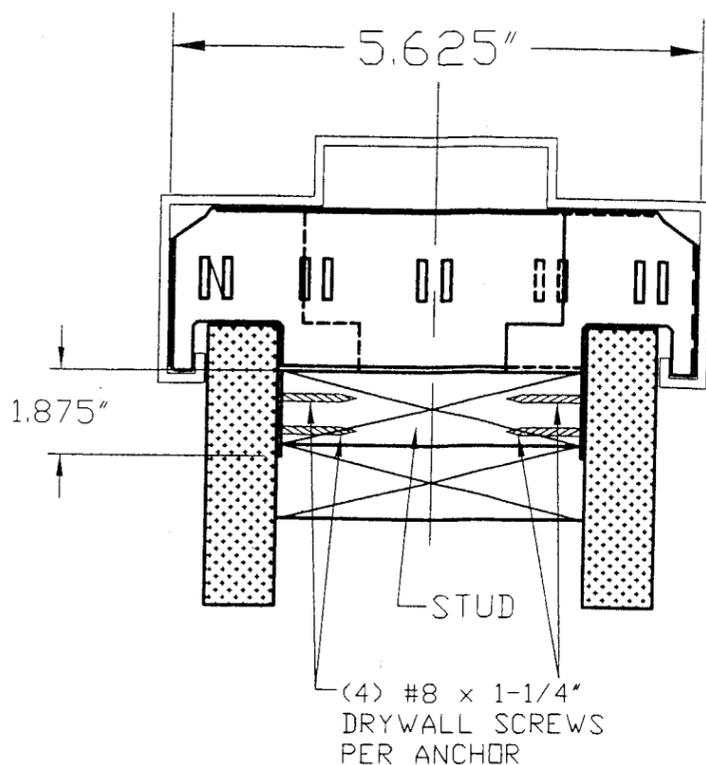
PREPARED BY:
RONALD OGUR
FPE # 22894
STRUCTURAL AND CIVIL ENGINEER
40 UNDERHILL BLVD.
SYOSSET, N.Y. 11791

DWG. NO. MD1
REV. -
SCALE: N.T.S.
SHEET 1 OF 7

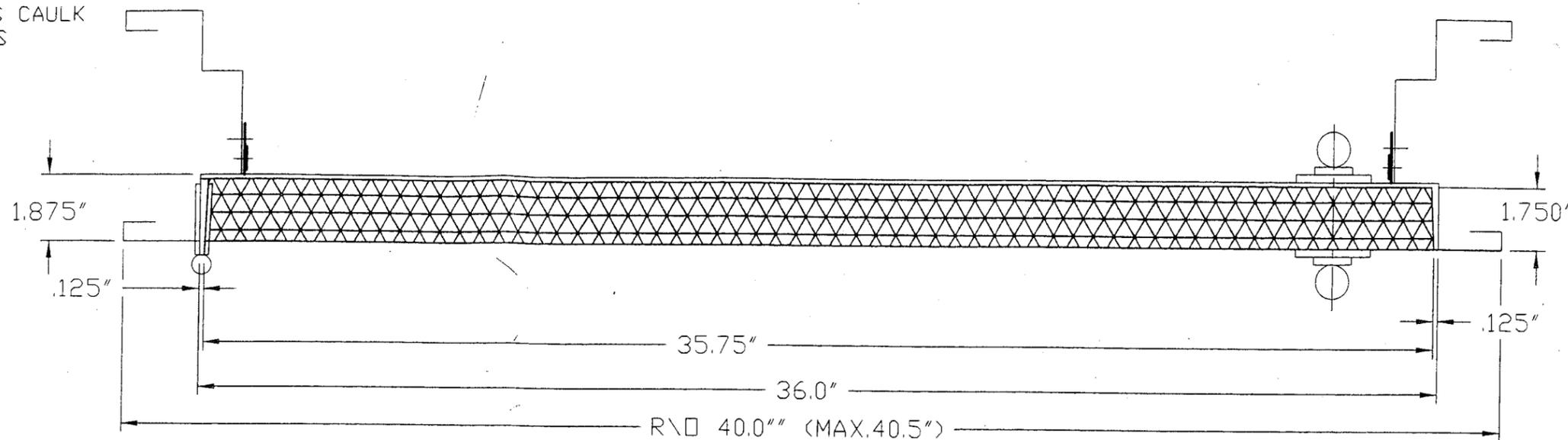


MASONRY WIRE ANCHORS (0.175" DIA.)
IN HORIZ. MORTAR JOINTS;
FILL LAMBS SOLID WITH MORTAR

WIRE ANCHOR DETAIL



STUD ANCHOR DETAIL



TYPICAL FLUSH OUTSWING COMMERCIAL STEEL

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

PRODUCT REVIEWED
as complying with the Florida
Building Code
Acceptance No 08-1204.03
Expiration Date APRIL 1, 2014

By *Manuel Perry*
Miami Dade Product Control
Division

Approved as complying with the
Florida Building Code
Date APRIL 1, 2004
NOA# 03-1112.01
Miami Dade Product Control
Division
By *Manuel Perry*

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

RO

APPROVALS	DATE
DRAWN: L.B.	2/13/04
CHECKED:	
APPROVED:	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:

FRACTIONS	DECIMALS	ANGLES
± 1/64	.XXX ± 0.005	± 1'

DO NOT SCALE DRAWING

MARKS HARDWARE, INC.

TITLE: TYPICAL JAMB TO BUCK
& DOOR CROSS SECTIONS

SCALE: NONE DWG. NO. MD 1 REV:

SHEET 2 OF 7

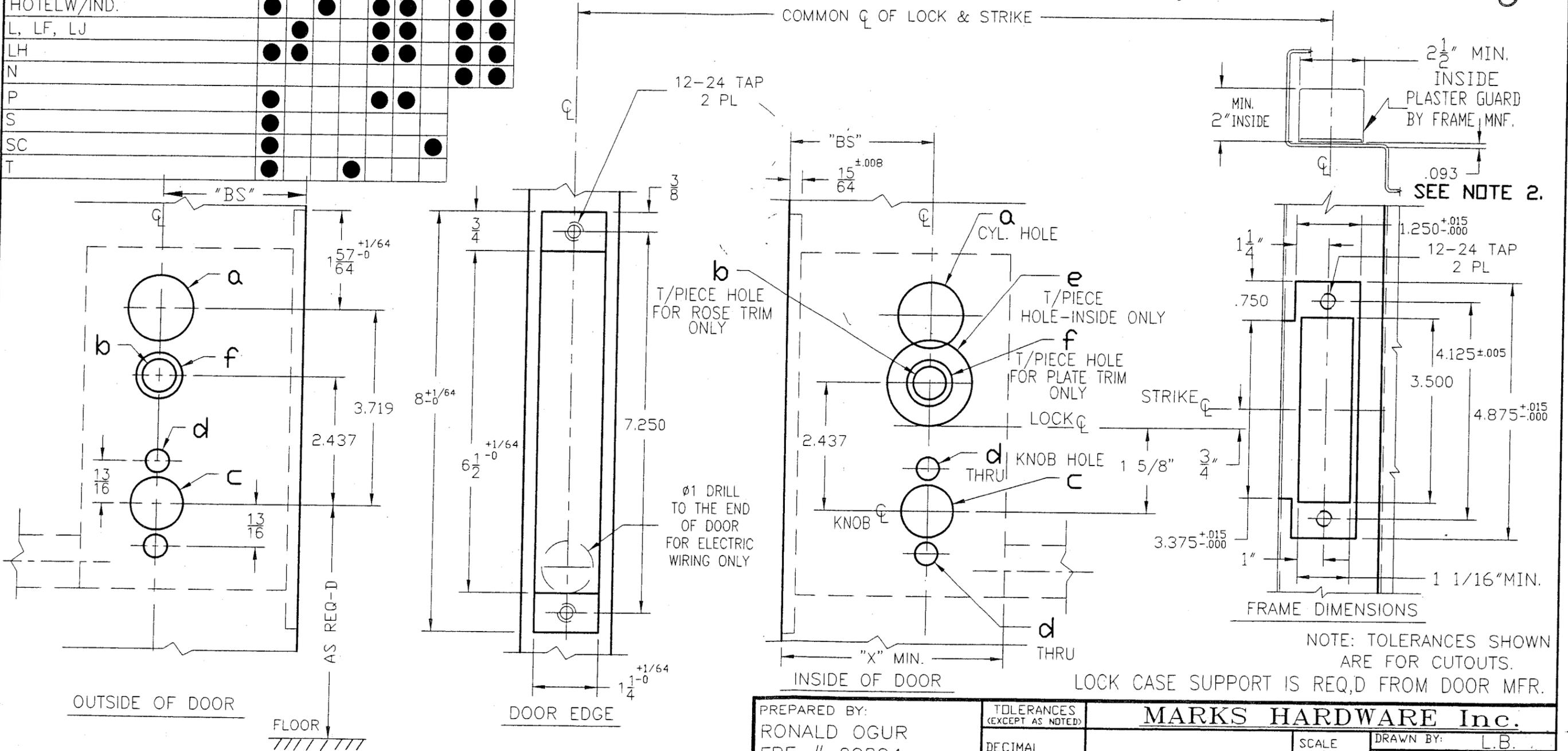
FUNCTIONS	HOLES REQUIRED									
	OUTSIDE OF DOOR			INSIDE OF DOOR				THRU		
	a	b	f	a	b	f	e	c	d	
HOLE DIA.	1/4	5/8	7/8	1/4	5/8	7/8	5/8	1	3/8	
A, B, BW, F, FD, FS, FW, H	●			●	●			●	●	
AC, C, FA, FC, FX, G, GC, GL, WW	●			●				●	●	
D, DW, E, EL, EU, EW, J, JM	●							●	●	
HOTELW/IND.	●		●	●	●			●	●	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

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No. 08-1204.03
Expiration Date APRIL 1, 2014
By *Manuel Perez*
Miami/Dade Product Control Division

Approved as complying with the Florida Building Code
Date APRIL 1, 2004
MOA# 03-1112.01
Miami/Dade Product Control Division
By *Manuel Perez*



ISSUED DATE:

© 2004 MARKS HARDWARE INC.

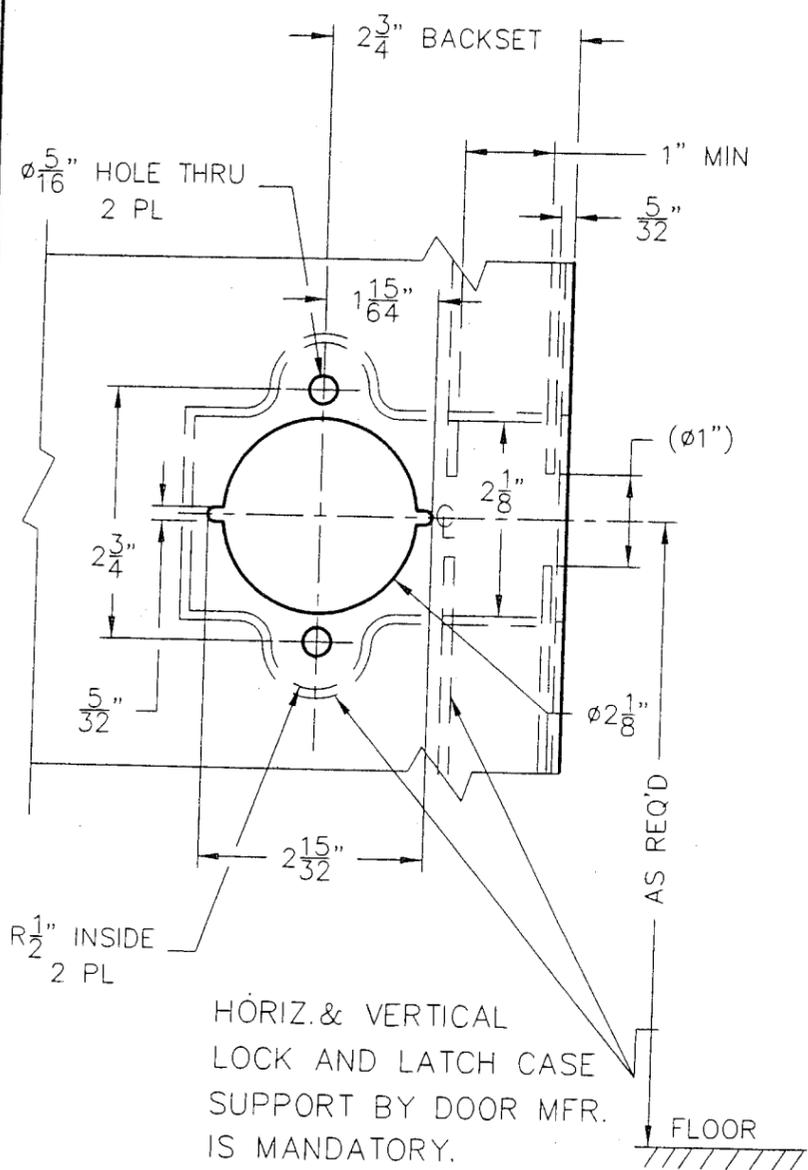
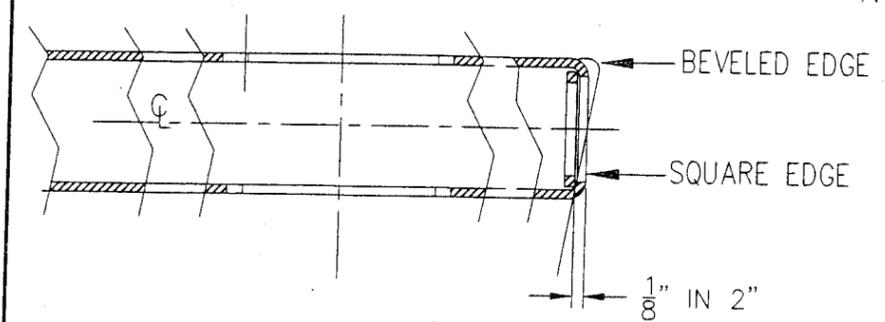
LOCKSET SERIES	"BS"	"X" MIN.
5	2 3/4	4 1/4
55	2 1/2	4

PREPARED BY: RONALD OGUR FPE # 22894 STRUCTURAL AND CIVIL ENGINEER 40 UNDERHILL BLVD. SYOSSET, N.Y. 11791	TOLERANCES (EXCEPT AS NOTED) DECIMAL ±.005 FRACTIONAL ±1/64" ANGULAR ±1°		MARKS HARDWARE Inc. SCALE 1:2 DRAWN BY: L.B. CHECKED BY: APPROVED BY: G.M.	
	TITLE INSTALLATION TEMPLATE, STEEL DOOR WITH STANDARD LOCK FRONT			
	DATE 02-13-04	DWG. SIZE B	DRAWING NUMBER MD1	REV. -

SHEET 3 OF 7

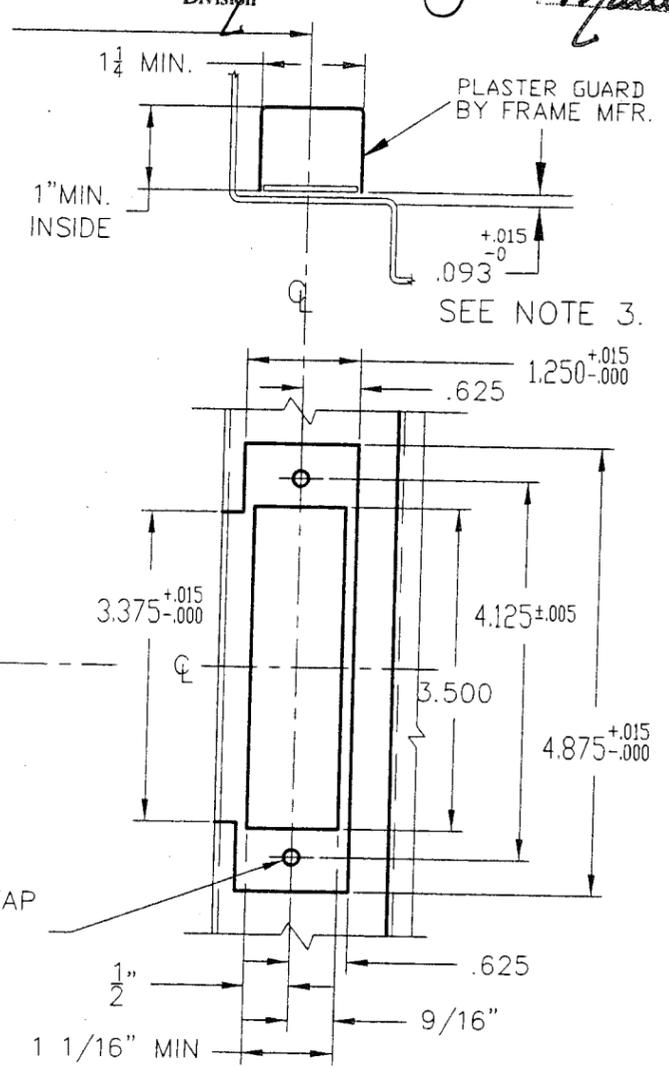
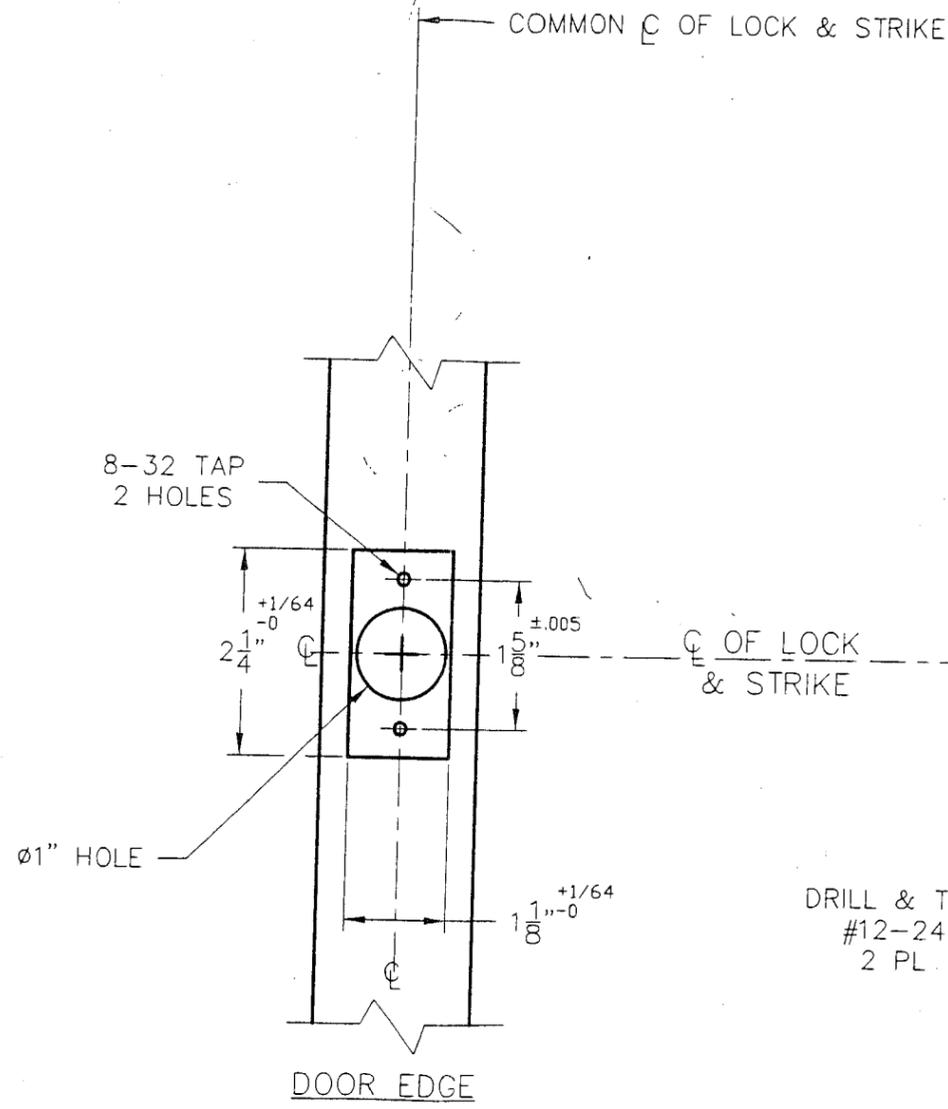
NOTE: 1. CONSULT FACTORY TO INSURE TEMPLATE IS LATEST REVISION.
 2. LOCK CASE SUPPORT IS REQUIRED FROM DOOR MFR.
 3. ADD 1/32" WHEN DUST BOX AND STRIKE .080±.002 THICKNESS ARE USED

PRODUCT REVIEWED as complying with the Florida Building Code
 Acceptance No 08-1204.03
 Expiration Date APRIL 1, 2014
 Approved as complying with the Florida Building Code
 Date APRIL 1, 2004
 NO. 03-1112.01
 Miami Trade Product Control
 Division



HORIZ. & VERTICAL LOCK AND LATCH CASE SUPPORT BY DOOR MFR. IS MANDATORY.

OUTSIDE OF DOOR



FRAME DIMENSIONS
 NOTE: TOLERANCES SHOWN ARE FOR CUTOUTS.

ISSUED DATE:
 © 2004 MARKS HARDWARE INC.

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 HARDWARE Inc.			
DECIMAL	±.005	SCALE	1:2		
FRACTIONAL	±1/64"	DRAWN BY:	L.B.		
ANGULAR	±1°	CHECKED BY:	G.M.		
TITLE		DATE	DWG. SIZE:	DRAWING NUMBER	REV.
INSTALLATION TEMPLATE, STEEL DOOR WITH STANDARD LOCK FRONT		02-13-04	B	MD1	-
SHEET		4		OF	7

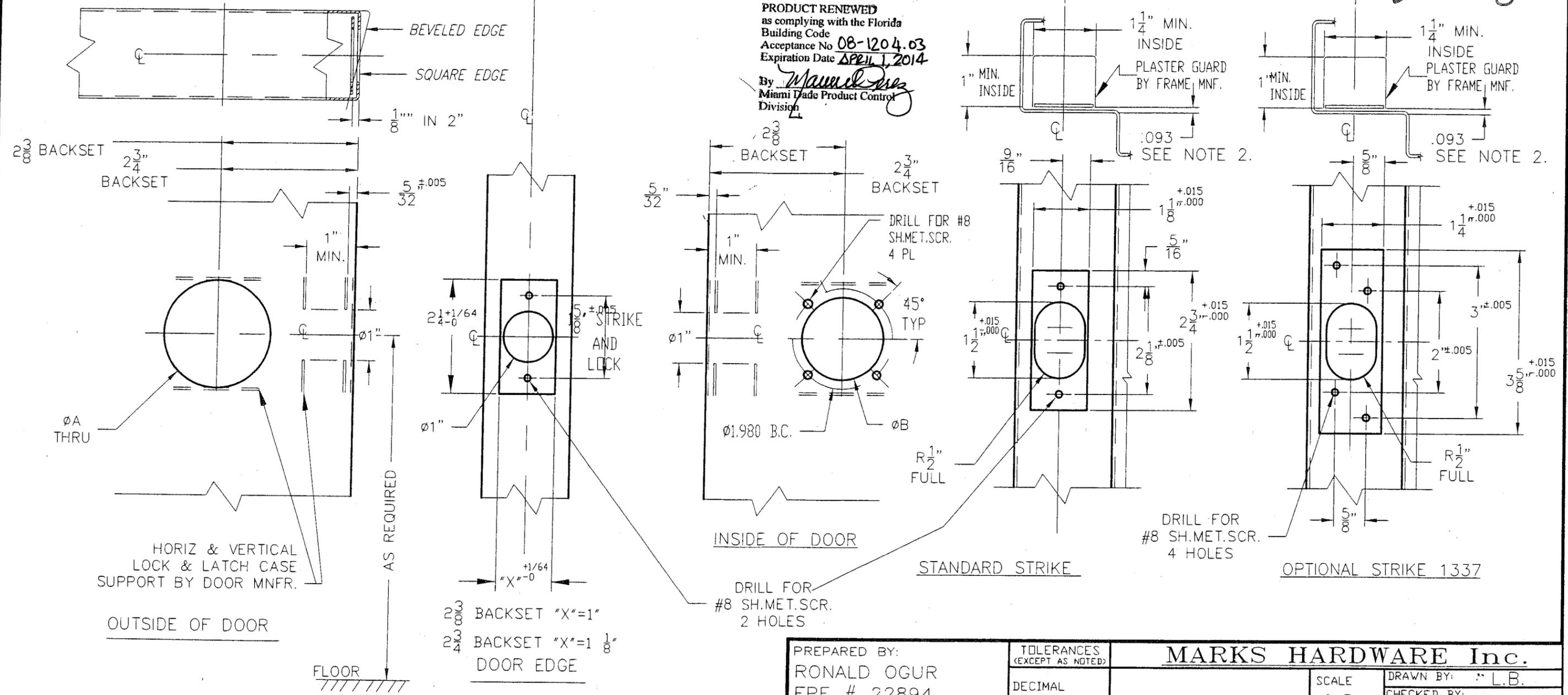
LOCK SET SERIES	HOLES REQUIRED	
	INSIDE OF DOOR	THRU
	HOLE DIA.	A
130 K, L, M, S	$\frac{5}{8}$	$\frac{1}{8}$
130 RK, RL, RM, RS		
130 X		

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

DATE	REV.	REVISION	AUTH.	DRAWN	CHKD.

Approved as complying with the Florida Building Code
Date **APRIL 1, 2004**
NO. **03-1112.01**
Miami Dade Product Control Division
By *Manuel Perez*

PRODUCT RENEWED
as complying with the Florida Building Code
Acceptance No **08-1204.03**
Expiration Date **APRIL 1, 2014**
By *Manuel Perez*
Miami Dade Product Control Division



LOCK SET SERIES: 130 K,L,M,S
130 RK,RL,RM,RS
130 X

ISSUED DATE:
© 2004 MARKS HARDWARE INC.

PREPARED BY: RONALD OGUR FPE # 22894 STRUCTURAL AND CIVIL ENGINEER 40 UNDERHILL BLVD. SYOSSET, N.Y. 11791	TOLERANCES (EXCEPT AS NOTED)	MARKS HARDWARE Inc.		
	DECIMAL ±.005	SCALE 1:2	DRAWN BY: L.B. CHECKED BY: APPROVED BY: G.M.	
	FRACTIONAL ±1/64"	TITLE INSTALLATION TEMPLATE, STEEL DOOR WITH STANDARD LOCK FRONT		
	ANGULAR ±1°	DATE 02-13-04	DWG. SIZE: B	DRAWING NUMBER MD1
		SHEET 5 OF 7		REV. -

DATE	REV	DESCRIPTION	ECN #	AUTH	DRWN	CHKD
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MORTISE LOCK SPECIFICATION:

5-SERIES = ANSI A156.13 - 2002
 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.

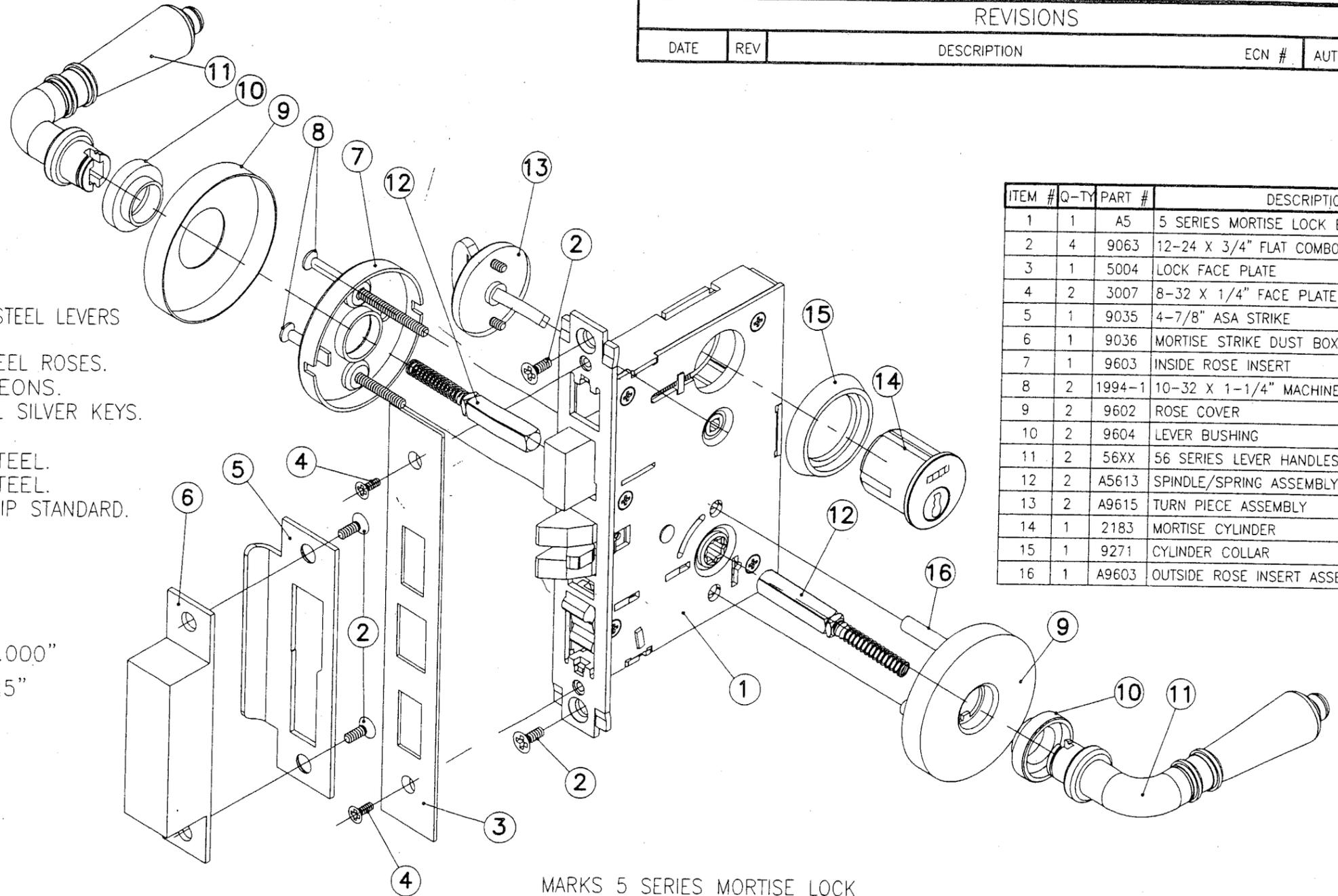
DEAD BOLT: 1" THROW - STAINLESS STEEL.

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"



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

PRODUCT RENEWED
 as complying with the Florida
 Building Code
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 Expiration Date APRIL 1, 2014
 By *Manuel Perez*
 Miami Dade Product Control
 Division

Approved as complying with the
 Florida Building Code
 Date APRIL 1, 2004
 NOAH 03-1112.01
 Miami Dade Product Control
 Division
 By *Manuel Perez*

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

ROG

APPROVALS	DATE
DRAWN: L.B.	02-09-04
CHECKED: R.O.	02-09-04
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 HARDWARE, INC.

TITLE: HURRICANE/TORNADO SPECIFICATION

DWG. NO. MD1	REV: A
SCALE: N.T.S.	SHEET 6 OF 7

MD1

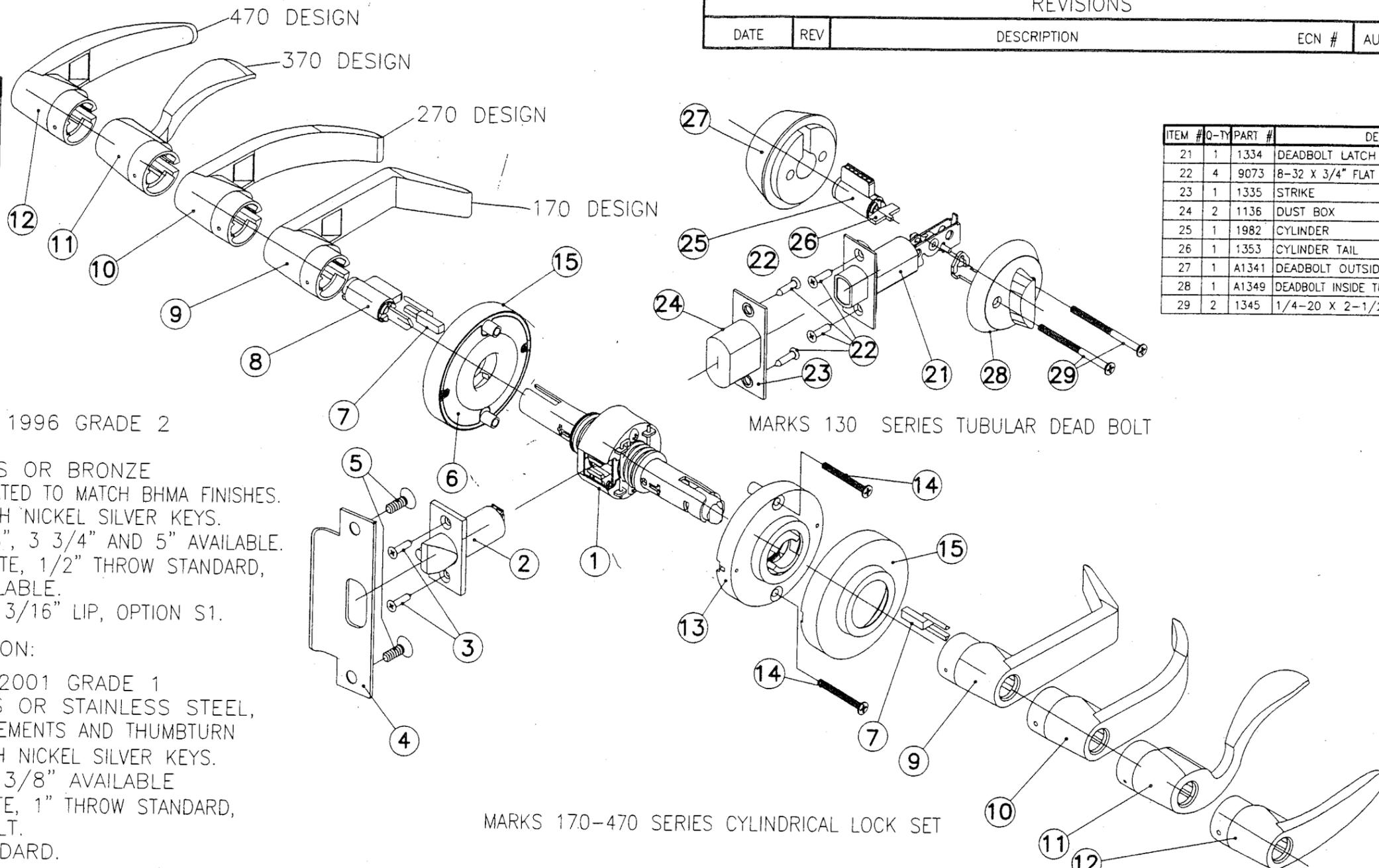
SHEET 7 OF 7

REVISIONS

DATE	REV	DESCRIPTION	ECN #	AUTH	DRWN	CHKD

ITEM #	Q-TY	PART #	DESCRIPTION
1	1	A190	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	1952	LEVER, "AMERICAN"
10	2	2952	LEVER, "CRESCENT"
11	2	3952	LEVER, "MONACO"
12	2	4952	LEVER, "TITAN"
13	1	A1971	INTERIOR ROSE INSERT ASSEMBLY
14	2	1985	10-32 X 2-1/2" FLAT HEAD MACHINE SCREW
15	2	1978	ROSE SHELL

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



170-SERIES = ANSI A156.2 - 1996 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 A156.5 - 2001 GRADE 1
 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
 LATCHES: 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.

PRODUCT RENEWED
 as complying with the Florida
 Building Code
 Acceptance No. 08-1204-03
 Expiration Date APRIL 1, 2014
 By *Manuel Perez*
 Miami Dade Product Control
 Division

Approved as complying with the
 Florida Building Code
 Date APRIL 1, 2004
 NOA# 03-1112-01
 Miami Dade Product Control
 Division
 By *Manuel Perez*

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

RO

APPROVALS	DATE
DRAWN: L.B.	02-09-04
CHECKED: R.O.	02-09-04
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 HARDWARE, INC.

TITLE: HURRICANE/TORNADO
 SPECIFICATION

DWG. NO. MD1	REV: A
SCALE: N.T.S.	SHEET 7 OF 7