



**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) 375-2908**

NOTICE OF ACCEPTANCE (NOA)

**Dorma Architectural Hardware
1003 West Broadway
Steeleville, IL 62288**

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 - Series MK9000 and ML9000 Mortise Lockset Hardware Devices for Commercial Steel Doors

APPROVAL DOCUMENT: Drawing No. ML/MK9000DADE, titled "General Notes and Approved Hardware Models", sheets 1 through 3 of 3, dated 08/16/04; prepared by the manufacturer, signed and sealed by Ronald Ogur, P.E., bearing the Miami-Dade County Product Control Approval stamp with the Notice of Acceptance number and approval date by the Miami-Dade County Product Control Division.

MISSILE IMPACT RATING: Large 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 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 04-0715.01
Expiration Date October 28, 2009
Approval Date: October 28, 2004
Page 1**

Dorma Architectural Hardware

NOTICE OF ACCEPTANCE: EVIDENCE SUBMITTED

A. DRAWINGS

1. Manufacturer's parts and sections drawings.
2. Drawing No. **ML/MK9000DADE**, titled "General Notes and Approved Hardware Models", sheets 1 through 3 of 3, dated 08/16/04, prepared by the 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) and 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.

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. Letter of conformance dated November 5, 2003, signed and sealed by Ronald Ogur, P.E.
2. Notarized letter of "No financial interest" dated November 4, 2003, , signed by Ronald Ogur, P.E., certification engineer.
3. Laboratory Statement of compliance, part of the test report **CTLA-882-W2**, signed and sealed by Ramesh C. Patel, P.E.
4. Letter from Daybar Industries Limited authorizing G. Marks Hardware, Inc. to use their test report, dated August 29, 2003, with a notarized illegible signature representing Daybar Industries Limited.

G. OTHER

1. None.


Manuel Perez, P.E.
Product Control Examiner
NOA No 04-0715.01

Expiration Date October 28, 2009
Approval Date: October 28, 2004

DESIGN PRESSURE RATING OUT/IN SWING UNITS		
HARDWARE MODEL	DOOR SIZE, TYPE & SWING (UNDER SEPARATE APPROVAL)	HARDWARE MODEL
DORMA ML/MK9000 SERIES MORTISE LOCK	35 3/4" X 83 1/8" STEEL OUT-SWING	+90.0 psf -90.0 psf

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
DORMA ML/MK9000 SERIES-MORTISE LOCK SET, GRADE 1

TABLE OF CONTENTS:	
SHEET#	DESCRIPTION
1	GENERAL NOTES AND APPROVED HARDWARE MODELS
2	TYPICAL DOOR CROSS SECTION, MORTISE LOCK
3	DORMA ML/MK9000 SERIES MORTISE LOCK

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.

Approved as complying with the
Florida Building Code
Date OCT. 28 2004
NOA# 04-0115.01
Miami Dade Product Control
Division
By [Signature]

[Signature]
09/17/04

DORMA DOOR CONTROLS INC.
1003 W. BROADWAY
STEELEVILLE, ILLINOIS 62288



GENERAL NOTES AND
APPROVED HARDWARE MODELS

APPROVALS	DATE
DRAWN: T.A.	08-16-04
CHECKED: S.M.	08-16-04
APPROVED:	

UNLESS OTHERWISE SPECIFIED
DIMENSIONS ARE IN INCHES.

TOLERANCES ARE:
FRACTIONS ± 1/64
DECIMALS .XXX ± .005
 .XX ± .010
ANGLES ± 1°

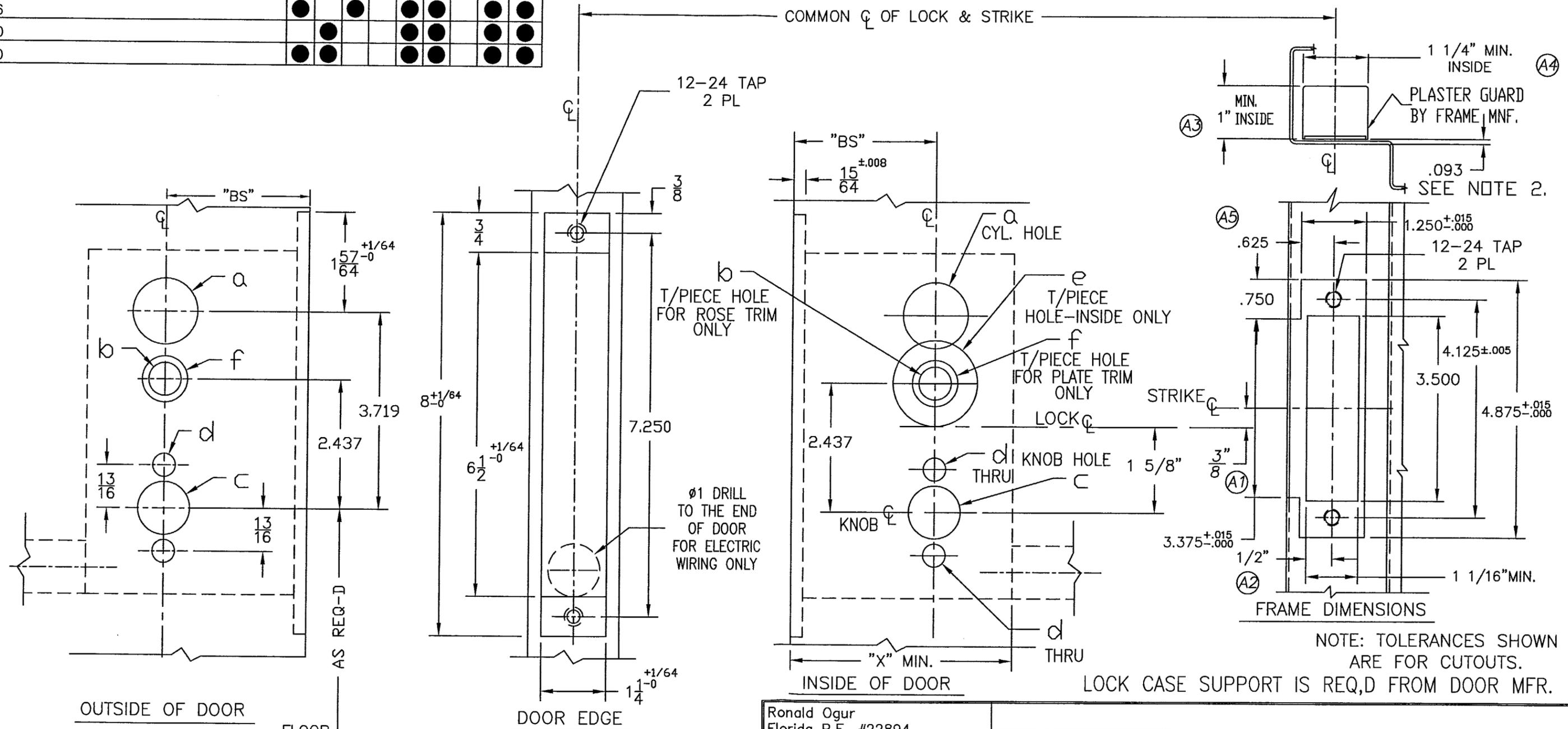
DO NOT SCALE DRAWING

DWG. NO.	ML/MK9000DADE	REV.	—
SCALE:	N.T.S.	SHEET	1 OF 3

Ronald Ogur
Florida P.E. #22894
Structural and Civil Engineer
40 Underhill Boulevard
Syosset, New York 11791
Phone: (516) 496-4222
Fax: (516) 496-4969

FUNCTIONS	HOLES REQUIRED									
	OUTSIDE OF DOOR			INSIDE OF DOOR				THRU		
	a	b	f	a	b	f	e	c	d	
	1 1/4	5/8	7/8	1 1/4	5/8	7/8	1 5/8	1	3/8	
9060, 9973, 9953, 9956, 9985	●			●	●			●	●	
9958, 9966, 9967, 9957, 9968	●			●				●	●	
9050, 9080EL, 9980EU, 9980, 9070, 9076	●							●	●	
9986	●		●	●	●			●	●	
9040		●		●	●			●	●	
9940	●	●		●	●			●	●	

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



Approved as complying with the Florida Building Code
Date 09/28/04
NOA# 04-0715-01
Miami Dade Product Control Division
By M. Perez
09/17/04

LOCKSET SERIES	"BS"	"X" MIN.
ML/MK9000	2 3/4	4 1/4

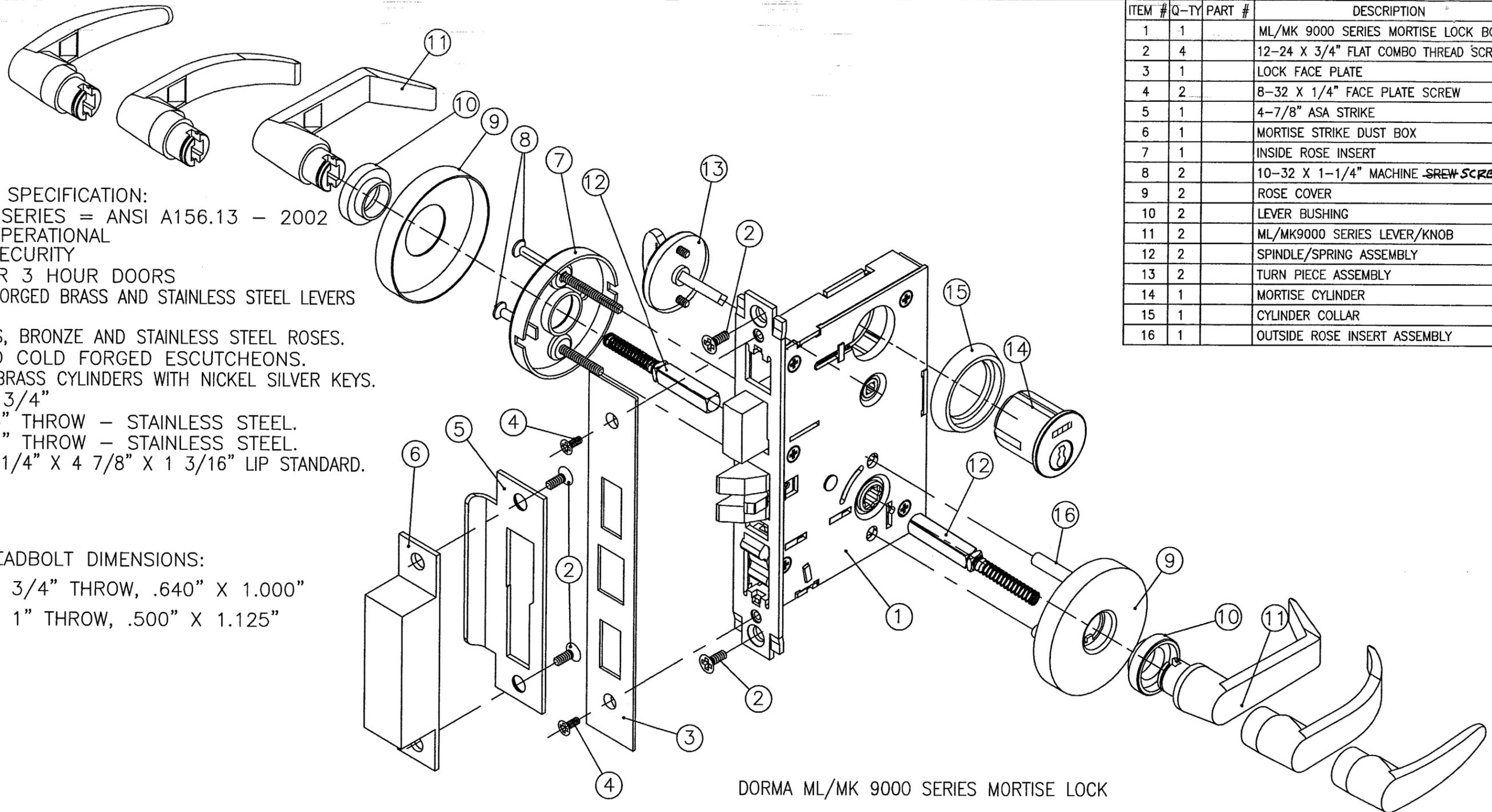
Ronald Ogur
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DORMA DORMA DOOR CONTROLS INC.
1003 W. BROADWAY
STEELEVILLE, ILLINOIS 62288

DRAWN BY: T.A.
CHECKED BY: S.M.
APPROVED BY:

TITLE: INSTALLATION TEMPLATE, STEEL DOOR WITH STANDARD LOCK FRONT

SCALE: 1:2 DATE: 08-15-04 DRAWING NUMBER: ML/MK9000 DADE REV. SHEET 2 of 3



ITEM #	Q-TY	PART #	DESCRIPTION
1	1		ML/MK 9000 SERIES MORTISE LOCK BODY
2	4		12-24 X 3/4" FLAT COMBO THREAD SCREW
3	1		LOCK FACE PLATE
4	2		8-32 X 1/4" FACE PLATE SCREW
5	1		4-7/8" ASA STRIKE
6	1		MORTISE STRIKE DUST BOX
7	1		INSIDE ROSE INSERT
8	2		10-32 X 1-1/4" MACHINE SCREW
9	2		ROSE COVER
10	2		LEVER BUSHING
11	2		ML/MK9000 SERIES LEVER/KNOB
12	2		SPINDLE/SPRING ASSEMBLY
13	2		TURN PIECE ASSEMBLY
14	1		MORTISE CYLINDER
15	1		CYLINDER COLLAR
16	1		OUTSIDE ROSE INSERT ASSEMBLY

MORTISE LOCK SPECIFICATION:

ML/MK 9000 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"

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"

DORMA ML/MK 9000 SERIES MORTISE LOCK

Handwritten signature and date: 09/17/04

Approved as complying with the Florida Building Code
 Date OCT. 28, 2004
 NOA# 04-0715-01
 Miami Dade Product Control Division
 By *Manuel Perez*

APPROVALS	DATE
DRAWN: T.A.	08-16-04
CHECKED: S.M.	08-16-04
APPROVED: R.O.	09/17/04

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 STEELEVILLE, ILLINOIS 62288

TITLE:
HURRICANE SPECIFICATION

SCALE: N.T.S.	DWG. NO. ML/MK 9000 DADE	REV:
SHEET 3 OF 3		