

dormakaba USA, Inc.

M1000 MORTISE LOCKSETS WITH/WITHOUT DEADLOCK MORTISE DEADLOCKS (COMPONENT APPROVAL)

GENERAL NOTES:

1. THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO COMPLY WITH THE CURRENT FLORIDA BUILDING CODE (FBC) INCLUDING PROVISIONS SET FORTH FOR HIGH-VELOCITY HURRICANE ZONES (HVHZ). THE PRODUCT IS RATED FOR LARGE AND SMALL MISSILE IMPACT AND HAS BEEN EVALUATED TO THE FOLLOWING TEST PROTOCOLS:
1.1. TAS 201-94
1.2. TAS 202-94
1.3. TAS 203-94
2. STRIKES, HINGES, AND ALL APPLICABLE REINFORCEMENTS AS REQUIRED ON DETAIL DRAWING IN THIS APPROVAL.
3. LOCKING HARDWARE SHALL BE INSTALLED AS PER MANUFACTURER'S INSTALLATION INSTRUCTIONS.
4. ALL FASTENERS AND ASSOCIATED HARDWARE MUST BE MADE OF CORROSION RESISTANT MATERIAL OR HAVE A CORROSION RESISTANT COATING.
5. STEEL COMPONENTS SHALL BE COATED OR COMPLY WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH CHAPTER 22 OF THE FBC.
6. QUALIFIED FUNCTION DESIGNATIONS FOR M1000 WITHOUT DEADBOLT: A, AT, D, R, RHB, LT, N, NX, C, CHB, INL, W, XR, XRHB, ZD
7. QUALIFIED FUNCTION DESIGNATIONS FOR M1000 WITH DEADBOLT: AB, H, HJ, T, TA, TD, L, G, INA, S, AD, RD, YD, WD
8. QUALIFIED STRIKE PLATE DESIGNATIONS: S1, S5, & S6.

LIMITATIONS OF USE:

1. THE MORTISE LOCKSET COMPONENT APPROVAL IS TO BE USED AS AN EQUIVALENT ALTERNATE INTO SINGLE OR PAIR STEEL OUTSWING DOORS HAVING A SEPARATE, CURRENT SEPARATE FLORIDA PRODUCT APPROVAL OR MIAMI-DADE NOA. THE LOWER DESIGN PRESSURE OF DOOR OR THE MORTISE LOCKSET COMPONENT APPROVAL HEREIN SHALL CONTROL.
2. THE MORTISE LOCKSET COMPONENT DESCRIBED HEREIN SHALL BE USED WITH DOOR PANEL FACE SHEETS TO BE OF MIN. 18 GA. (0.048") AND FRAME JAMBS TO BE MIN. 16 GA. (0.053" MIN.) STEEL. MAX. DOOR PANEL DIMENSIONS: 48" (W) X 96" (H)
3. SINGLE OR DOUBLE DOOR LEAF SHALL BE NO WIDER THAN 48" OR HIGHER THAN 96".
4. THIS DEVICE CAN BE INSTALLED AS PART OF A LARGE MISSILE IMPACT RESISTANT ASSEMBLY.
5. THE DOORS, UNDER SEPARATE APPROVAL, SHALL MEET THE FOLLOWING MINIMUM REQUIREMENTS:
5.1. THE DOOR PANELS SHALL BE MAX. 48" (W) X 96" (H) X 1-3/4" MIN. OVERALL THICKNESS
5.2. DOOR FACE SHEETS TO BE OF MIN. 18 GA. (0.048") STEEL AND DOOR FRAME TO BE MIN 16 GA. (0.053") STEEL.
5.3. DOOR PANEL SHALL BE STIFFENED WITH 20 GA. (0.029") "HAT-STIFFENERS", MAX. 6" O.C.
5.4. HINGE REINFORCEMENTS AT DOOR PANEL AND AT FRAME SHALL BE A MINIMUM OF 9 GA. (0.132") THICK STEEL.
5.5. MIN. 16 GA. (0.053" MIN.) STEEL DOOR REINFORCEMENT AT MORTISE LOCK.
5.6. MIN. 14 GA. (0.067" MIN.) STEEL FULL LENGTH C-CHANNEL AT HINGE & LOCK STILES.
5.7. PLEASE REFER TO DOOR ELEVATIONS, SHEET 2, AND CORRESPONDING DETAILS FOR APPLICABILITY OF REINFORCEMENT REQUIREMENTS.
6. ELECTRICAL HARDWARE SHOWN HEREIN IS APPROVED FOR STRUCTURAL WIND LOAD AND IMPACT RESISTANCE. ELECTRICAL ASPECTS ARE UNDER SEPARATE APPROVAL AND SHALL BE REVIEWED BY AUTHORITY HAVING JURISDICTION(AHJ).
7. COMPLIANCE WITH BUILDING EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

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DORMAKABA USA Inc.
6161 E. 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288

TITLE: M1000 MORTISE LOCKSET
W/OUT DEADBOLTS

GENERAL NOTES

PREPARED BY:

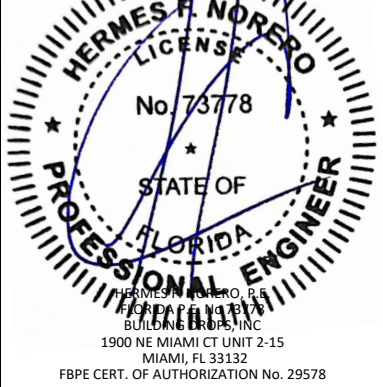
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
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FAX: (954) 744-4738
WEB: www.buildingdrops.com


BUILDING DROPS

REMARKS	BY	DATE
ELECTRIFIED LOCK	FB	01/23

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Digitally signed by Hermes F. Norero, P.E.
Reason: I am approving this document
Date: 2024.08.19 13:02:00 -0500



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DATE: 08.19.22

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CHK. BY: HFN

SCALE: NTS

DWG. #: DOR020

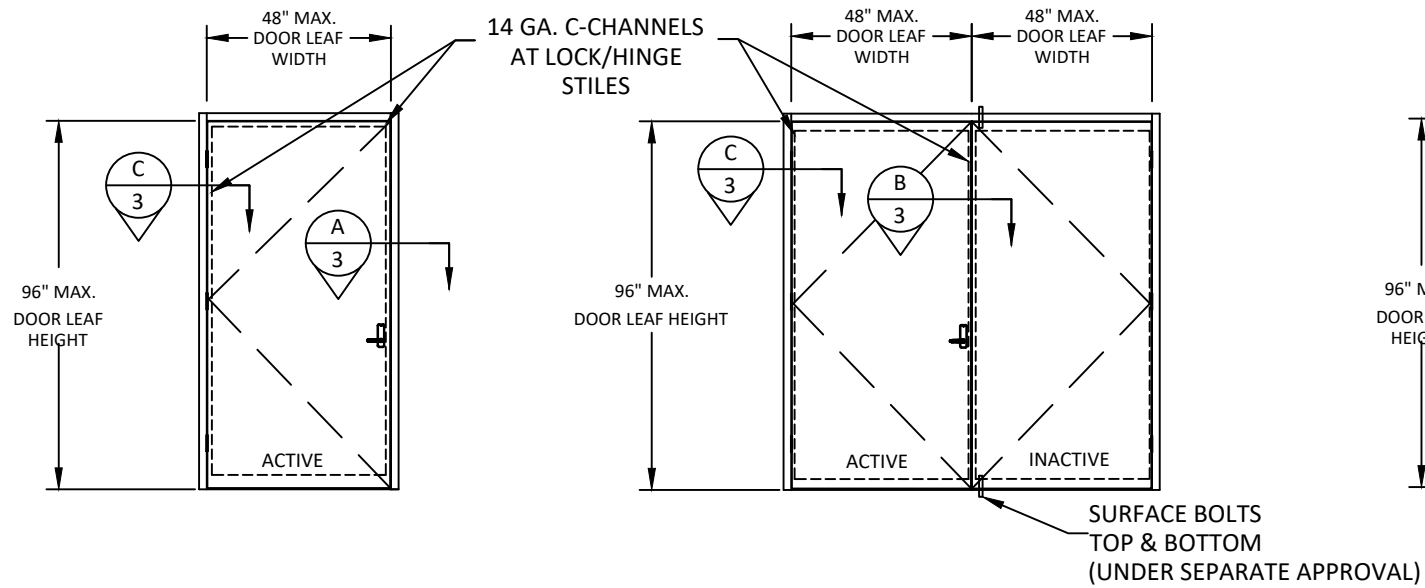
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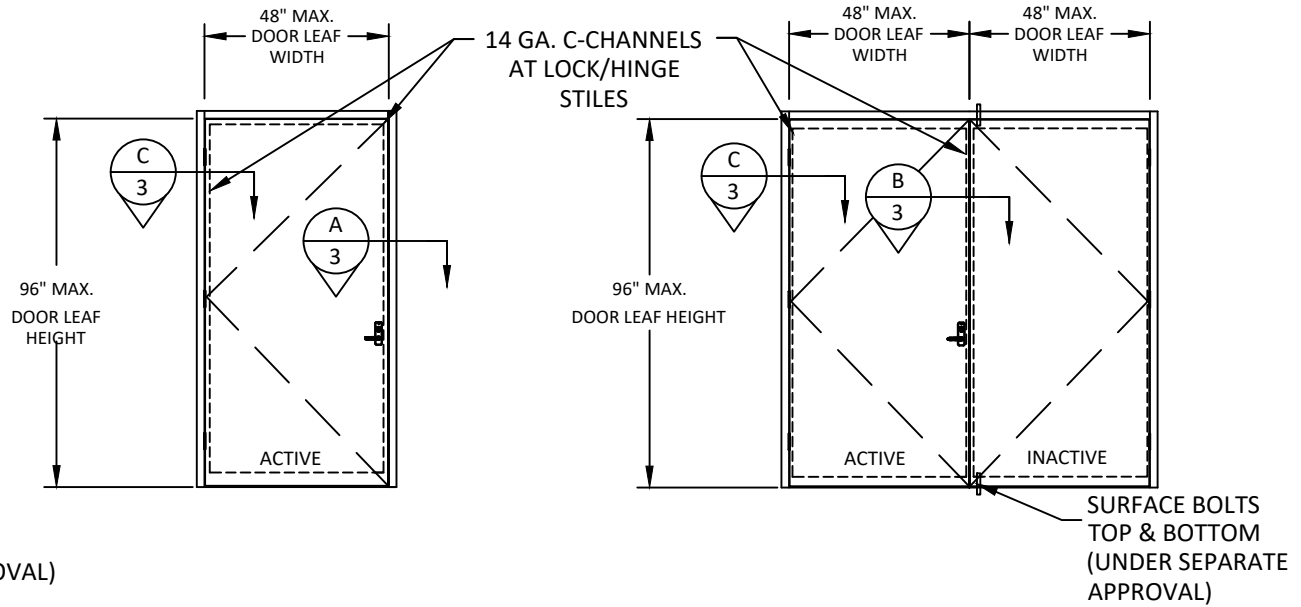
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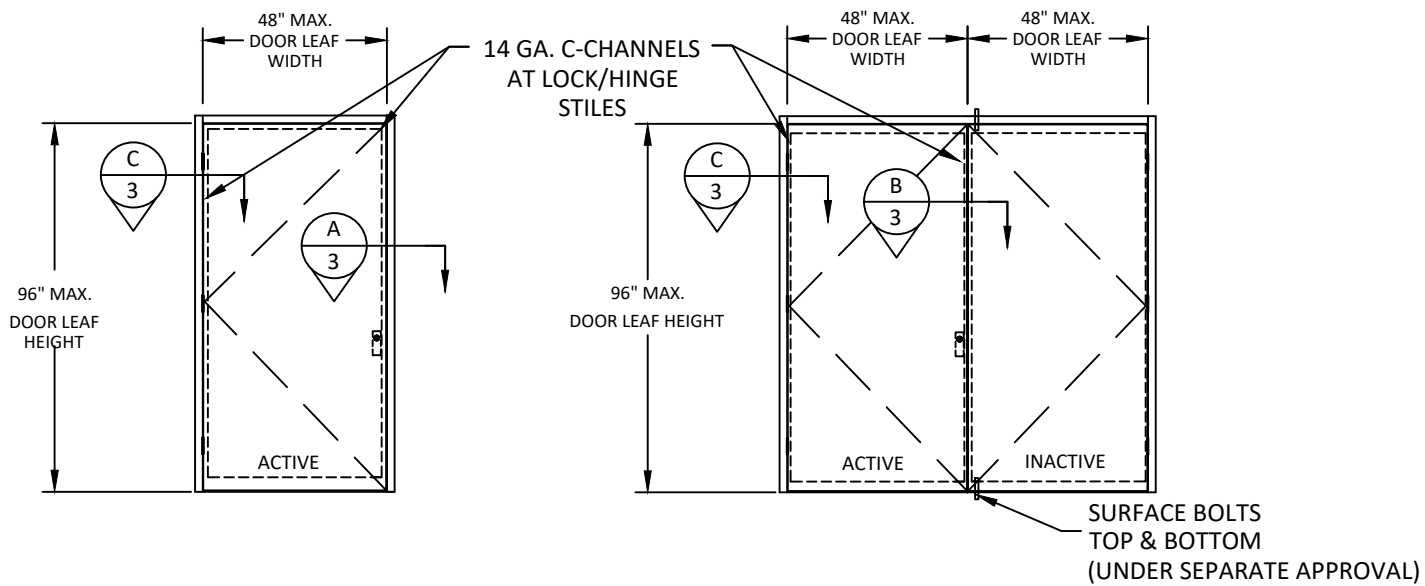
OUTSWING SINGLE STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
M1000 MORTISE LOCKSET WITHOUT DEADBOLT
SEE DESIGN PRESSURE TABLE, SHEET 4

OUTSWING PAIR STEEL DOORS
DOORS UNDER SEPARATE APPROVAL
M1000 MORTISE LOCKSET WITHOUT DEADBOLT
SEE DESIGN PRESSURE TABLE, SHEET 4



OUTSWING SINGLE STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
M1000 MORTISE LOCKSET WITH DEADBOLT
SEE DESIGN PRESSURE TABLE, SHEET 5

OUTSWING PAIR STEEL DOORS
DOORS UNDER SEPARATE APPROVAL
M1000 MORTISE LOCKSET WITH DEADBOLT
SEE DESIGN PRESSURE TABLE, SHEET 5



OUTSWING SINGLE STEEL DOOR
DOORS UNDER SEPARATE APPROVAL
MD100 MORTISE DEADLOCK
SEE DESIGN PRESSURE TABLE, SHEET 6

OUTSWING PAIR STEEL DOORS
DOORS UNDER SEPARATE APPROVAL
MD100 MORTISE DEADLOCK
SEE DESIGN PRESSURE TABLE, SHEET 6



M1000 MORTISE LOCKSET WITH DEADBOLT



MD100 MORTISE DEADLOCK



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W/OUT DEADBOLTS
DOOR ELEVATIONS

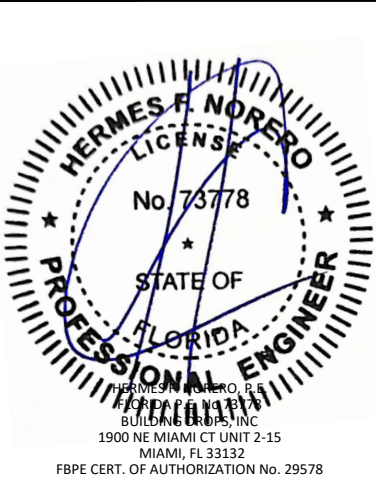
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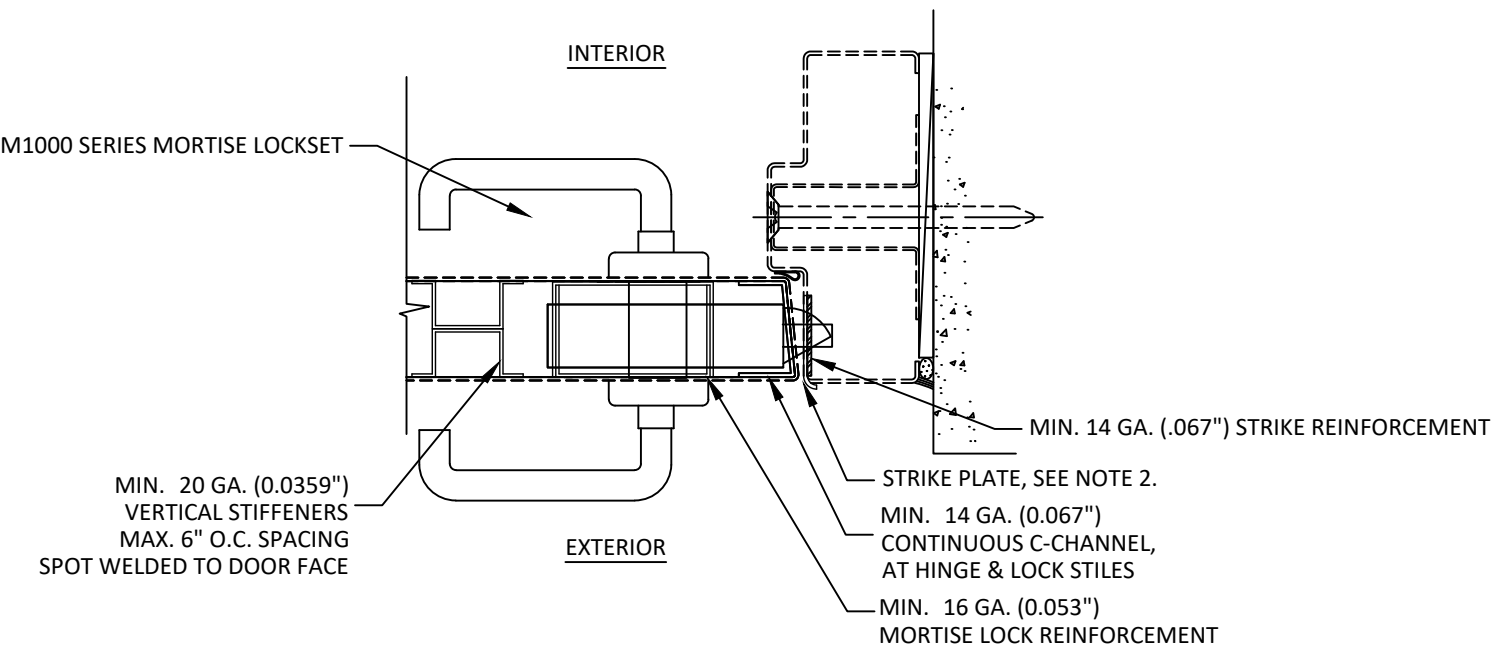
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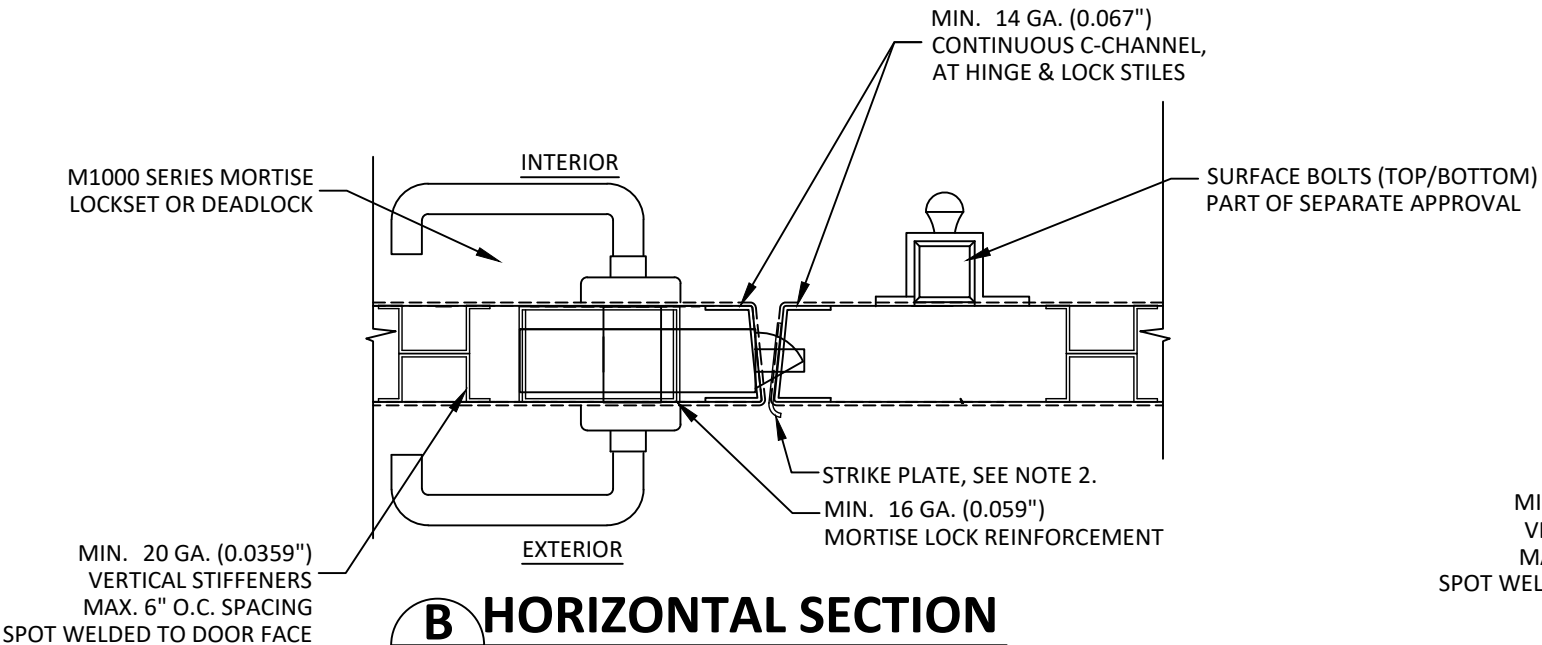
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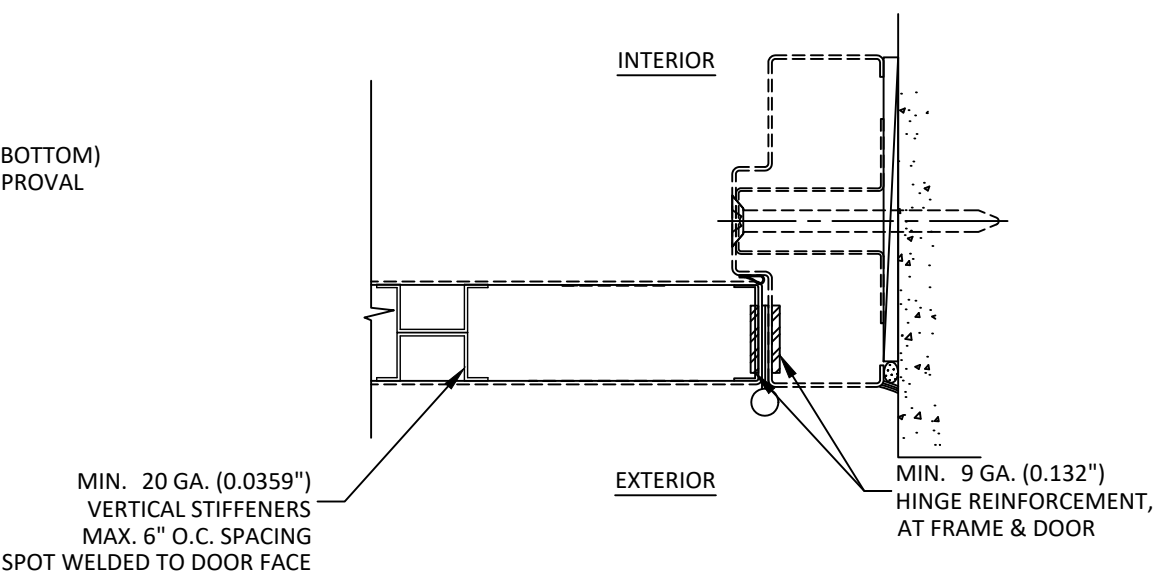
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A
3 **HORIZONTAL SECTION**
M1000 SERIES MORTISE LOCKSET
SINGLE DOOR



B
3 **HORIZONTAL SECTION**
M1000 SERIES MORTISE LOCKSET
DOUBLE DOOR



C
3 **HORIZONTAL SECTION**
M1000 SERIES MORTISE LOCKSET
SINGLE/DOUBLE DOOR

- NOTE:
1. SEE DOOR UNDER SEPARATE APPROVAL FOR DOOR CONSTRUCTION, DESIGN LOAD RATING, AND INSTALLATION DETAILS.
 2. STRIKE PLATES SHALL BE FASTENED WITH TWO (2) #12-24 PHF HMS, SAE GR. 5.
 3. SERIES M1000 HORIZONTAL CROSS-SECTION SHOWN GENERIC AND APPLICABLE TO M1000 MORTISE LOCKSET W/WO DEADBOLT AND M1000 MORTISE DEADBOLT



DORMAKABA USA Inc.
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TITLE: M1000 MORTISE LOCKSET
W/OUT DEADBOLTS
HORIZONTAL SECTIONS

PREPARED BY: BUILDING DROPS, INC.
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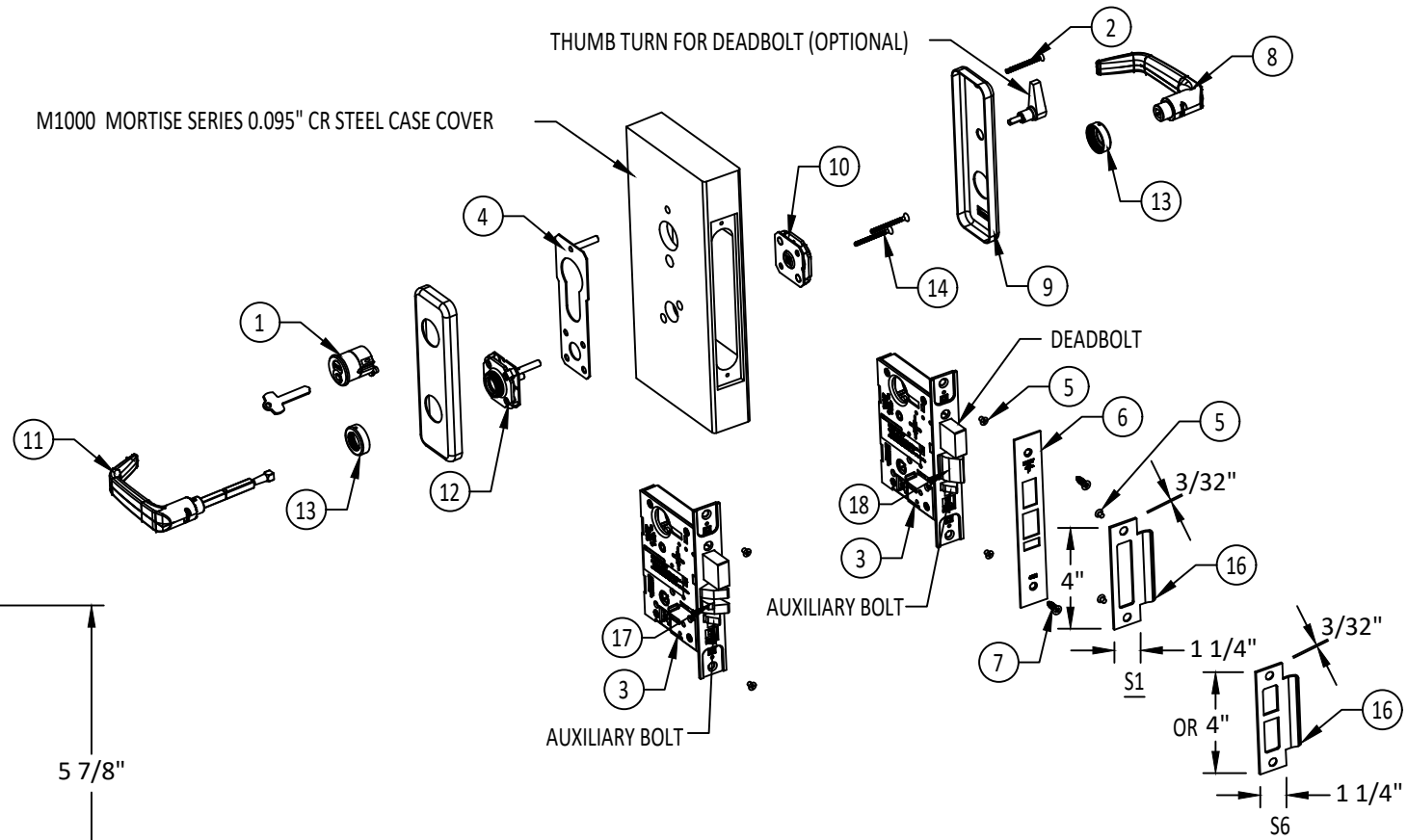
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M1000 MORTISE LOCKSET WITH DEADBOLT MAX. DESIGN PRESSURE	
SINGLE DOOR	+/- 60 PSF
PAIR DOORS	+/- 35 PSF

THROW DISTANCE	
LATCH (STEEL)	3/4"
DEADBOLT (STEEL)	1"

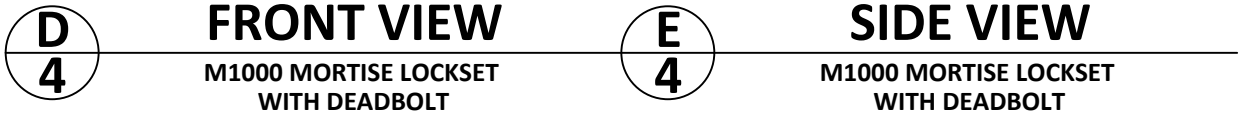
M1000 MORTISE LOCK WITH DEADBOLT - B.O.M.				
ITEM	DRAWING	DESCRIPTION	REQ'D	MATERIAL
1	B34077	C258 CYLINDER CAM	1	BRASS
2	A44241	TRIM ALIGNMENT PLATE MOUNTING SCREW, #8-32 X 1.75" UNC-2A POHMS	1	STAINLESS STEEL
3	-	AB FUNCTION MORTISE LOCK FINAL ASSEMBLY	1	-
4	A35466	ALIGNMENT PLATE ASSEMBLY	1	STEEL
5	A18724	CASE AND STRIKE MOUNT SCREW, #12-24 X 3/4" PHFHMS GRADE 5	4	STEEL
6	D44030	FACEPLATE	1	BRASS/STAINLESS STEEL
7	A18722	FACEPLATE SCREW, #8-32 X 1/4" PHFHMS	2	STAINLESS STEEL
8	B45150	INSIDE LEVER AND SET SCREW ASSEMBLY	1	BRASS
9	B45200	INSIDE ESCUTCHEON AND TURNKNOB ASSEMBLY	1	BRASS
10	B45071	INSIDE TRIM CASSETTE	1	-
11	B45160	OUTSIDE LEVER AND SPINDLE ASSEMBLY	1	BRASS/STEEL
12	D44092	OUTSIDE STAMPED ESCHUTCHEON	1	BRASS
13	B45081	OUTSIDE TRIM CASSETTE	1	-
14	B44182	ROSE RING	2	BRASS
15	A44215	TRIM CASSETTE MOUNTING SCREW #8-32	2	STAINLESS STEEL
16	C44004	UNIVERSAL STRIKE - 3/32" MIN. THICKNESS, S1 OR S6	1	BRASS
17	C90752	SPLIT LATCH	1	STAINLESS STEEL
18	C44580	SOLID LATCH	1	STAINLESS STEEL



M1000 MORTISE LOCKSET WITH DEADBOLT

SEE DETAILS D/4 & E/4 FOR FRONT & SIDE VIEW

SPECIFICATIONS:
ANSI A156.13 SERIES 1000 GRADE 1
BACKSET = 2 3/4"
LATCH THROW (SS) = 3/4" MIN.
BOLT THROW (SS) = 1" MIN.



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W/OUT DEADBOLTS
M1000 MORTISE LOCK
WITH DEADBOLT

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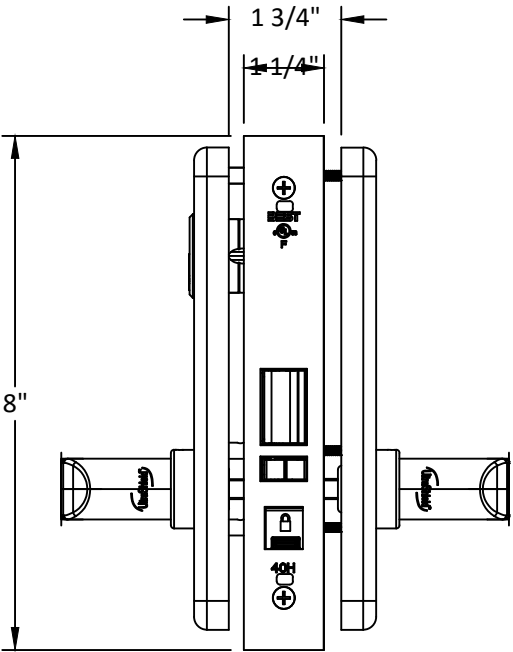
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M1000 MORTISE LOCKSET WITHOUT DEADBOLT MAX. DESIGN PRESSURE	
SINGLE DOOR	+/- 60 PSF
PAIR DOORS	+/- 35 PSF

THROW DISTANCE	
LATCH (STEEL)	3/4"

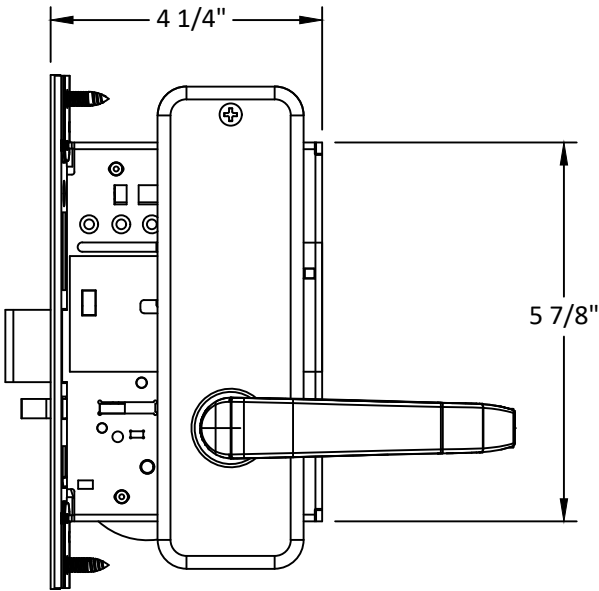
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3	-	A FUNCTION MORTISE LOCK FINAL ASSEMBLY	1	-
4	A35466	ALIGNMENT PLATE ASSEMBLY	1	STEEL
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13	B45081	OUTSIDE TRIM CASSETTE	1	-
14	B44182	ROSE RING	2	BRASS
15	A44215	TRIM CASSETTE MOUNTING SCREW #8-32	2	STAINLESS STEEL
16	C44004	UNIVERSAL STRIKE - 3/32" MIN. THICKNESS, S1 OR S5	1	BRASS
17	C90752	SPLIT LATCH	1	STAINLESS STEEL
18	C44580	SOLID LATCH	1	STAINLESS STEEL

M1000 MORTISE LOCKSET WITHOUT DEADBOLT



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5

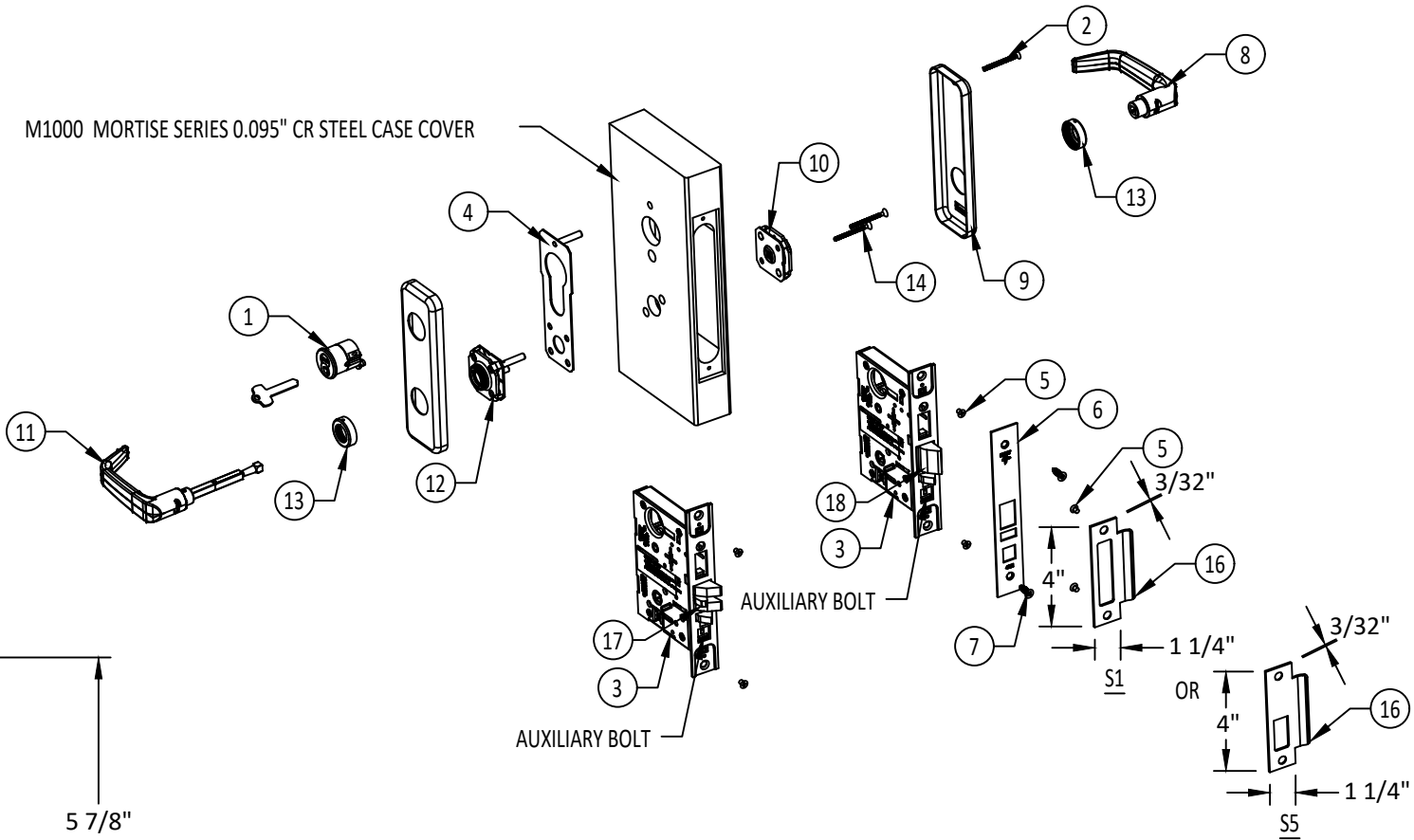
FRONT VIEW
M1000 MORTISE LOCKSET
WITHOUT DEADBOLT



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SIDE VIEW
M1000 MORTISE LOCKSET
WITHOUT DEADBOLT

M1000 MORTISE SERIES 0.095" CR STEEL CASE COVER



M1000 MORTISE LOCKSET WITHOUT DEADBOLT
SEE DETAILS F/5 & G/5 FOR FRONT & SIDE VIEW

SPECIFICATIONS:
ANSI A156.13 SERIES 1000 GRADE 1
BACKSET = 2 3/4"
LATCH THROW (SS) = 3/4" MIN.

dormakaba

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M1000 MORTISE LOCKSET
W/OUT DEADBOLTS
M1000 MORTISE LOCK
WITHOUT DEADBOLT

PREPARED BY:

BUILDING DROPS, INC.

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ELECTRIFIED LOCK	FB	01/23

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M1000 MORTISE LOCKSET WITHOUT DEADBOLT MAX. DESIGN PRESSURE	
SINGLE DOOR	+/- 60 PSF
PAIR DOORS	+/- 35 PSF

THROW DISTANCE	
LATCH (STEEL)	3/4"

M1000 MORTISE ELECTRIFIED LOCKSET - B.O.M.			
PART NO.	QTY.	DRAWING NUMBER	PART NAME
1	1	C90880-C90886	MORTISE ELECTRIFIED CASE
2	1	B94057/B94062/B94063/B94067/B94072/B94076	OUTSIDE TRIM
3	1	B94051/B94056/B94068/B94071/B94077/B94080	INSIDE TRIM
4	1 OR 2	C90804	INSIDE/OUTSIDE CYLINDER RING
5	1	C90801/C90802/C90803	INSIDE/OUTSIDE CYLINDER
6	1	C44004	UNIVERSAL STRIKE - 3/32", IM. THICKNESS- S1
6A	1	C44004	UNIVERSAL STRIKE - 3/32", IM. THICKNESS- S5
-	-	B91900	M1000/MD100 SCREW PACK
-	-	B95420	TORX SCREW PACK 40H AND MI
7	1	D90770-D90779	FACEPLATE

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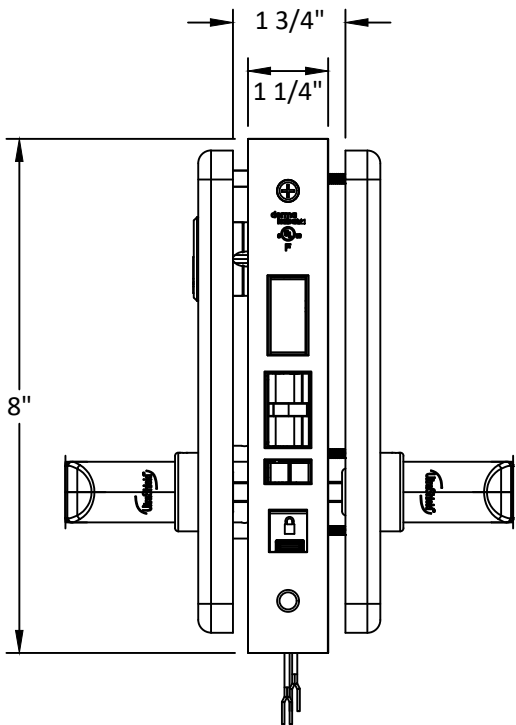
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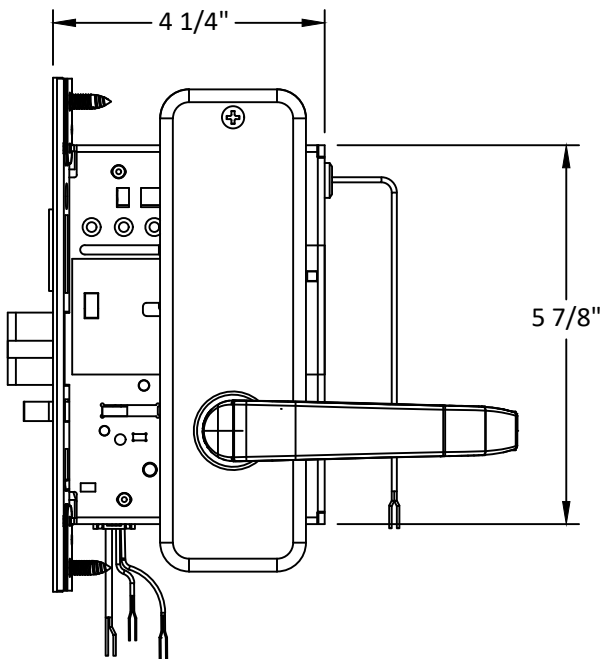
M1000 MORTISE ELECTRIFIED LOCKSET



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FRONT VIEW

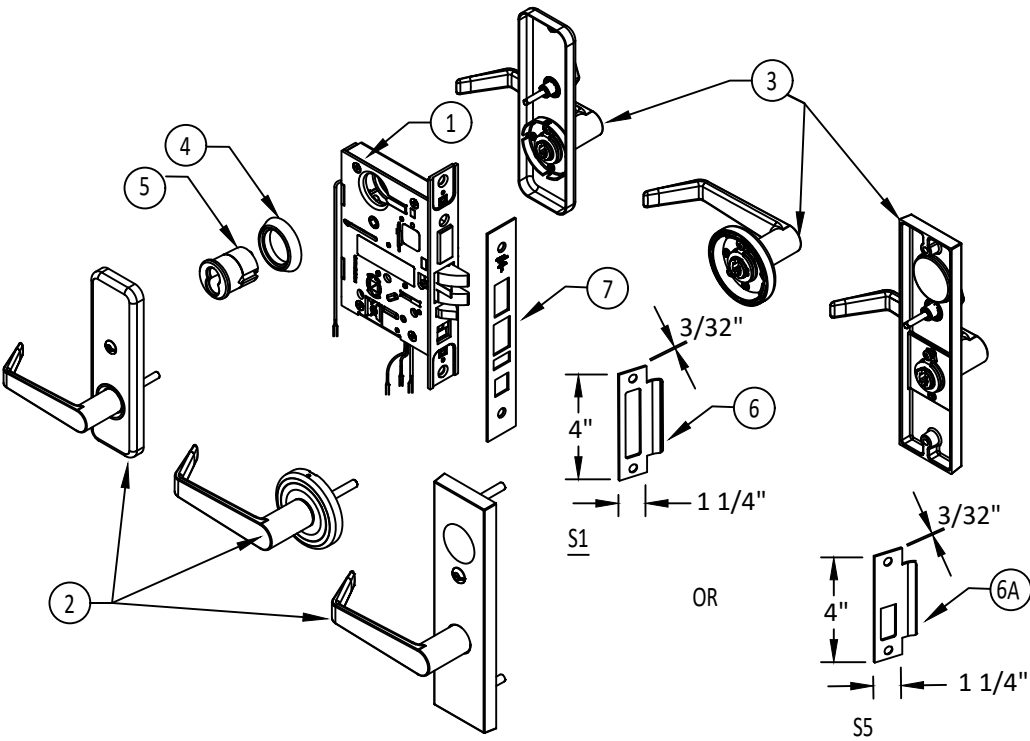
M1000 MORTISE LOCKSET
ELECTRIFIED



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SIDE VIEW

M1000 MORTISE LOCKSET
ELECTRIFIED



M1000 MORTISE ELECTRIFIED LOCKSET

SEE DETAILS H/6 & I/6 FOR FRONT & SIDE VIEW

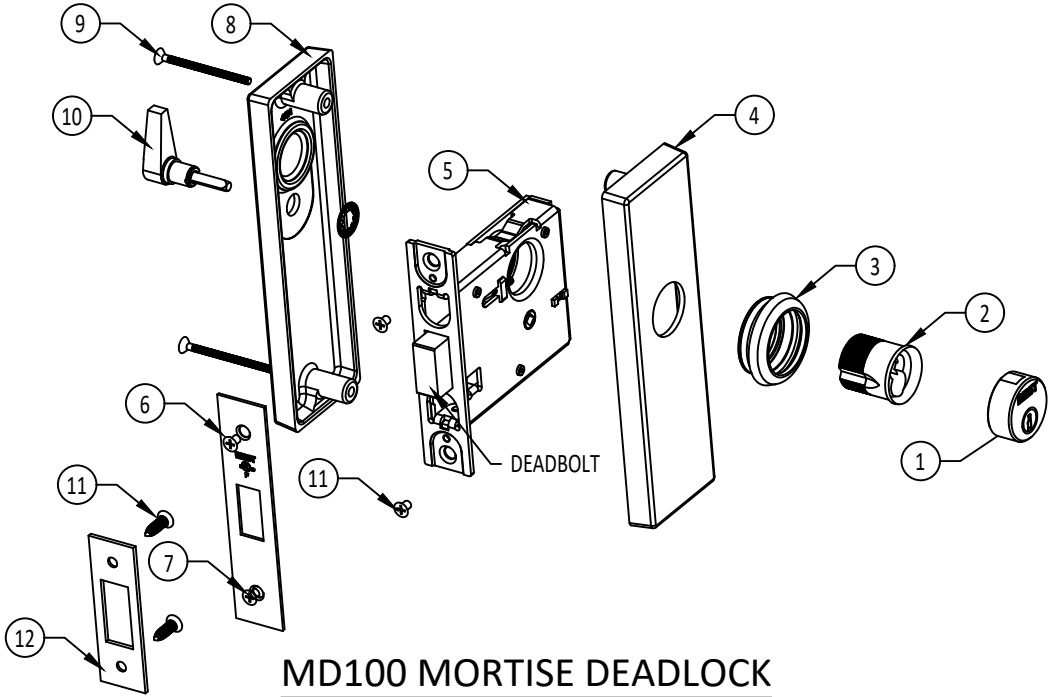
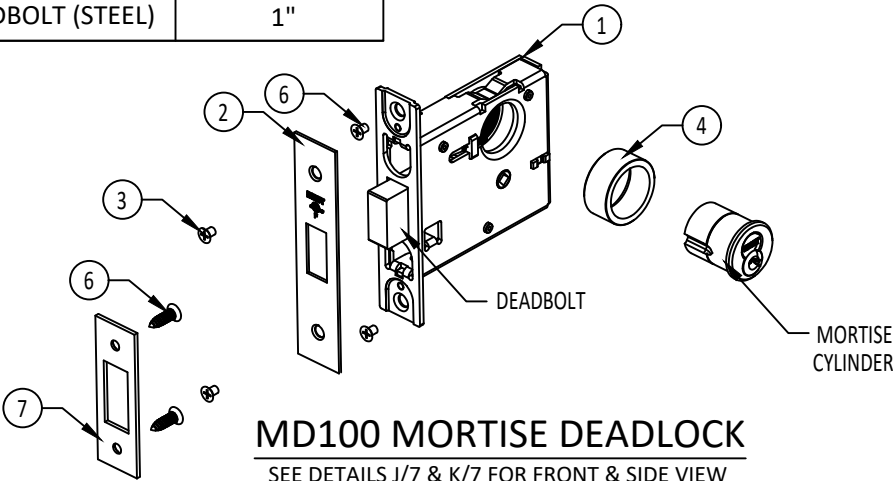
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MD100 MORTISE DEADLOCK MAX. DESIGN PRESSURE	
SINGLE DOOR	+/- 40.5 PSF
PAIR DOORS	+/- 40.5 PSF

THROW DISTANCE	
DEADBOLT (STEEL)	1"

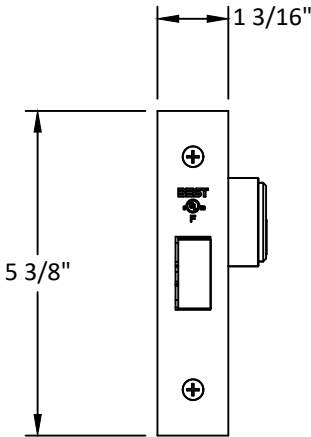
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DEADBOLT THROW (SS) = 1" MIN.
CASE: 0.095" CR STEEL



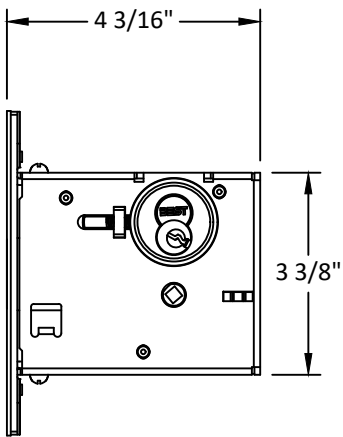
MD100 MORTISE DEADLOCK
SEE DETAILS L/7 & M/7 FOR FRONT & SIDE VIEW

MD100 MORTISE DEADBOLT - B.O.M.				
ITEM	DRAWING	DESCRIPTION	REQ'D	MATERIAL
1	-	MORTISE DEADBOLT FINAL ASSEMBLY	1	STAINLESS STEEL
2	C34351	FACEPLATE	1	BRASS
3	A18722	FACEPLATE SCREW, #8-32 X 1/4" PHFHMS	2	STEEL
4	B35103	CYLINDER RING	1	BRASS
5	-	CYLINDER ASSEMBLY	1	BRASS
6	A18724	CASE AND STRIKE MOUNT SCREW, #12-24 X 3/4" PHFHMS	4	STEEL
7	C44004	UNIVERSAL STRIKE - 3/32" MIN. THICKNESS	1	BRASS

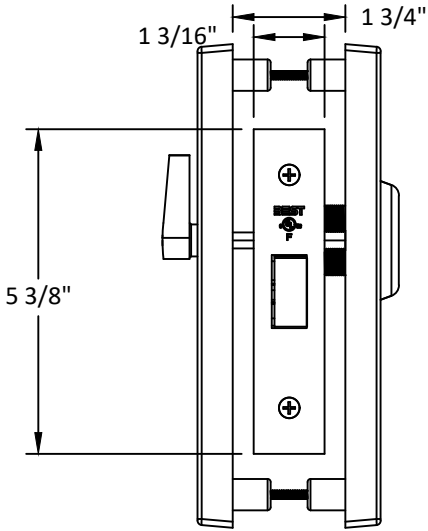
MD100 MORTISE DEADBOLT - B.O.M.				
ITEM	DRAWING	DESCRIPTION	REQ'D	MATERIAL
1	B19436	HIGH SECURITY CYLINDER	1	BRASS
2	B19446	UL CYLINDER FACE	1	STEEL
3	C44470	HIGH SECURITY CYLINDER RING	1	STAINLESS STEEL
4	B45221	OUTSIDE ESCUTCHEON	1	STAINLESS STEEL
5	-	MORTISE FINAL ASSEMBLY	4	-
6	B34353	FACEPLATE	1	BRASS
7	A18722	FACEPLATE SCREW, #8-32 X 1/4" PHFHMS	2	STAINLESS STEEL
8	B45213	INSIDE ESCUTCHEON	1	STAINLESS STEEL
9	-	ESCUTCHEON MOUNTING SCREW, #10-32 x 2 1/8"	2	STAINLESS STEEL
10	A45203	TURN KNOB AND SPINDLE ASSEMBLY	1	BRASS/STEEL
11	A18724	CASE AND STRIKE MOUNT SCREW, #12-24 X 3/4" PHFHMS	4	STEEL
12	C44004	UNIVERSAL STRIKE - 3/32" MIN. THICKNESS	1	BRASS



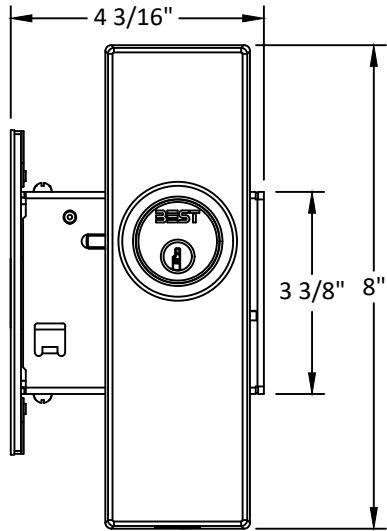
J
7
FRONT VIEW
MD100 MORTISE DEADLOCK



K
7
SIDE VIEW
MD100 MORTISE DEADLOCK



L
7
FRONT VIEW
MD100 MORTISE DEADLOCK



M
7
SIDE VIEW
MD100 MORTISE DEADLOCK



DORMAKABA USA Inc.
6161 E. 75TH STREET
INDIANAPOLIS, IN 46250
PH: (317) 806-3288

TITLE: M1000 MORTISE LOCKSET
W/OUT DEADBOLTS
MD100 MORTISE DEADLOCK

PREPARED BY: BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
PH: (954) 399-8478
FAX: (954) 744-4738
WEB: www.buildingdrops.com



REMARKS	BY	DATE
ELECTRIFIED LOCK	FB	01/23

THE INSTALLATION DETAILS DESCRIBED HEREIN ARE GENERIC AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECIFIC SITE. IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIATE FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSED ENGINEER OR ARCHITECT SHALL PREPARE SITE SPECIFIC DOCUMENTS FOR USE WITH THIS DOCUMENT.



HERMES F. NORERO
LICENSE
No. 73778
STATE OF
FLORIDA
PROFESSIONAL ENGINEER
HERMES F. NORERO, P.E.
BUILDING DROPS, INC.
1900 NE MIAMI CT UNIT 2-15
MIAMI, FL 33132
FBPE CERT. OF AUTHORIZATION No. 29578

FL30725

DATE: 08.19.22

DWG. BY: CA	CHK. BY: HFN
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SCALE: NTS

DWG. #: DOR020

SHEET: 7

OF 7