BEST ACCESS SERIES 45H & 47H MORTISE LOCKSETS WITH/WITHOUT DEADLOCK AND 48H & 49H MORTISE DEADLOCKS (COMPONENT APPROVAL)

GENERAL NOTES:

- 1. THIS PRODUCT HAS BEEN DESIGNED AND MANUFACTURED TO COMPLY WITH THE 6TH EDITION 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:
- 1.2. TAS 202-94
- 1.3. TAS 203-94
- 2. STRIKES, HINGES, AND ALL APPLICABLE REINFORCEMENTS AS REQUIRED ON DETAIL DRAWING IN THIS APPROVAL.
- 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
- 5. STEEL COMPONENTS SHALL BE COATED OR COMPLY WITH CORROSION RESISTANCE PROTECTION IN CONFORMANCE WITH CHAPTER 22 OF
- 6. QUALIFIED FUNCTION DESIGNATIONS FOR 45H OR 47H WITHOUT DEADBOLT: A, AT, D, R, RHB, LT, N, NX, C, CHB, INL, W, XR, XRHB, ZD
- 7. QUALIFIED FUNCTION DESIGNATIONS FOR 45H OR 47 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 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/ELECTRONIC FUNCTION AND INSTALLATION OTHER THAN SELF CONTAINED ELECTRONIC DEVICES ARE NOT PART OF THIS APPROVAL AND MUST BE REVIEWED BY AUTHORITY HAVING JURISDICTION(AHJ).
- 7. COMPLIANCE WITH BUILDING EGRESS REQUIREMENTS TO BE REVIEWED BY BUILDING OFFICIAL.

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SHEET REVISION SHEET DESCRIPTION				
1	ı	GENERAL NOTES		
2	-	DOOR ELEVATIONS		
3	-	HORIZONTAL SECTIONS		
4	-	45H/47H MORTISE LOCK WITH DEADBOLT		
5	-	45H/47H MORTISE LOCK WITHOUT DEADBOLT		
6	-	48H & 49H MORTISE DEADLOCK		

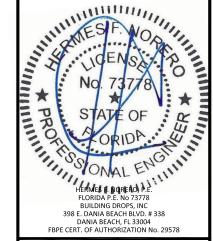


dormakaba USA Inc. 6161 E. 75TH STREET INDIANAPOLIS, IN 46250 PH: (317) 806-3288

DROPS, INC. EACH BLVD., STE. 338 :ACH, FL 33004 :4)399-8478 54)744.4738 D BY:
BUILDING DR
398 E. DANIA BEACH
DANIA BEACH,
PH: (954)39
FAX: (954)37

REMARKS BY DATE

AND MAY NOT REFLECT ACTUAL CONDITIONS FOR A SPECI SITE, IF SITE CONDITIONS CAUSE INSTALLATION TO DEVIAT FROM THE REQUIREMENTS DETAILED HEREIN, A LICENSEI



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DATE: 12.11.18

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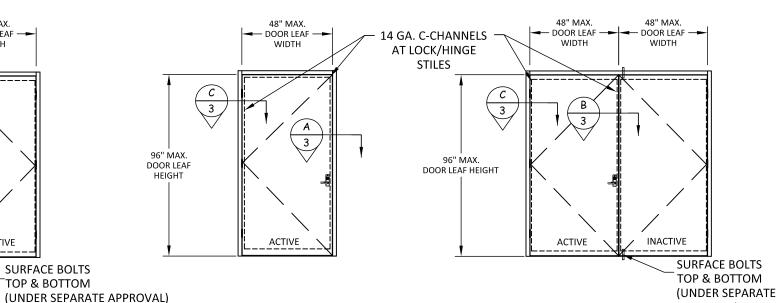
NTS DWG. #: **DOR005**

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OF 6

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OUTWSWING SINGLE STEEL DOOR DOORS UNDER SEPARATE APPROVAL 45H/47H MORTISE LOCKSET WITHOUT DEADBOLT SEE DESIGN PRESSURE TABLE, SHEET 4

OUTWSWING PAIR STEEL DOORS DOORS UNDER SEPARATE APPROVAL 45H/47H MORTISE LOCKSET WITHOUT DEADBOLT SEE DESIGN PRESSURE TABLE, SHEET 4

OUTWSWING SINGLE STEEL DOOR DOORS UNDER SEPARATE APPROVAL 45H/47H MORTISE LOCKSET WITH DEADBOLT SEE DESIGN PRESSURE TABLE, SHEET 5

OUTWSWING PAIR STEEL DOORS DOORS UNDER SEPARATE APPROVAL 45H/47H MORTISE LOCKSET WITH DEADBOLT SEE DESIGN PRESSURE TABLE, SHEET 5

APPROVAL)

48" MAX. 48" MAX. 48" MAX. DOOR LEAF - DOOR LEAF - Door Leaf --14 GA. C-CHANNELS WIDTH AT LOCK/HINGE STILES 3 3 96" MAX 96" MAX. DOOR LEAF DOOR LEAF HEIGHT HEIGHT ACTIVE ACTIVE INACTIVE SURFACE BOLTS **TOP & BOTTOM** (UNDER SEPARATE APPROVAL)

OUTWSWING SINGLE STEEL DOOR DOORS UNDER SEPARATE APPROVAL 48H/49H MORTISE DEADLOCK SEE DESIGN PRESSURE TABLE, SHEET 6

OUTWSWING PAIR STEEL DOORS DOORS UNDER SEPARATE APPROVAL 48H/49H MORTISE DEADLOCK SEE DESIGN PRESSURE TABLE, SHEET 6



45H/47H MORTISE LOCKSET WITH DEADBOLT



48H/49H MORTISE DEADLOCK



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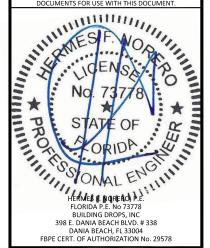
T ACCESS SERIES 45TH , 47H, 1, & 49H MORTISE LOCKSET W/OUT DEADBOLTS

BEST / 48H,

PREPARED BY:
BUILDING DROPS, IN
398 E. DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)744.4738

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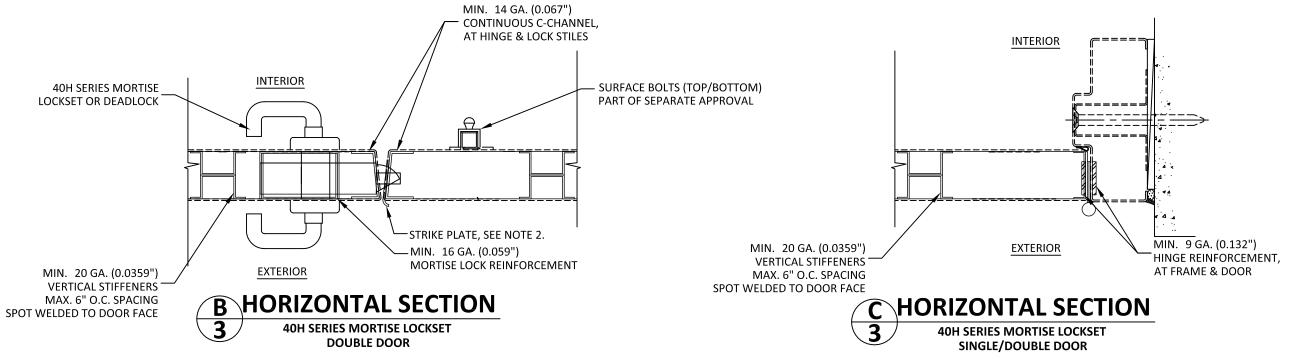
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- 1. SEE DOOR UNDER SEPARATE APPROVAL FOR DOOR CONSTRUCTION, DESIGN LOAD RATING, AND INSTALLATION DETAILS.
- 2. STRIKE PLATES SHALL BE FASTENED WITH TWO (2) #12-24 PHFHMS, SAE GR. 5.
- SERIES 40H HORIZONTAL CROSS-SECTION SHOWN GENERIC AND APPLICABLE TO 45H/475 MORTISE LOCKSET W/WO DEADBOLT AND 48H/49H MORTISE DEADBOLT







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BEST ACCESS SERIES 45TH , 47H 48H, & 49H MORTISE LOCKSET W/OUT DEADBOLTS

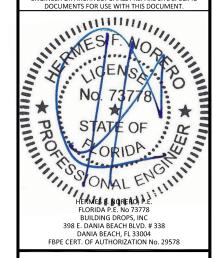
REMARKS

PREPARED BY:

BUILDING DROPS, INC.
398 E. DANIA BEACH BLVD, STE. 338
DANIA BEACH, FL 33004
PH: (954)399-8478
FAX: (954)399-8478

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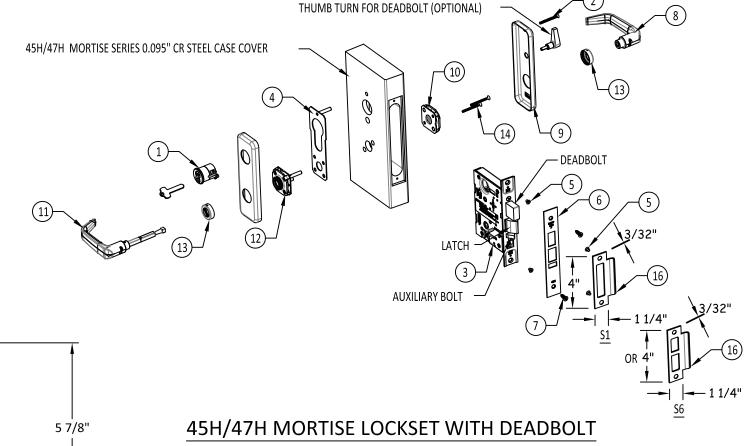
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45H & 47H MORTISE LOCKSET		
WITH DEADBOLT		
MAX. DESIGN PRESSURE		
SINGLE DOOR +/- 60 PSF		
PAIR DOORS	+/- 35 PSF	

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

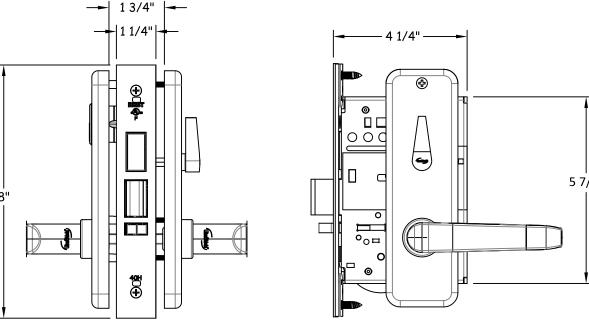
45H/47H MORTISE LOCK WITH DEADBOLT - B.O.M.				
ITEM	DRAWING	DESCRIPTION	REQ'D	MATERIAL
1	B34077	C258 CYLINDER CAM	1	BRASS
2	A44241	TRIM ALIGNMENT PLATE MOUNTING SCREW, #8-32 X 1.75" UNC-2A POHMS	1	STAINLESS STEEL
3	-	AB FUNCTION MORTISE LOCK FINAL ASSEMBLY	1	-
4	A35466	ALIGNMENT PLATE ASSEMBLY	1	STEEL
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



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.

45H/47H MORTISE LOCKSET WITH DEADBOLT



FRONT VIEW

45H/47H MORTISE LOCKSET WITH DEADBOLT



SIDE VIEW

45H/47H MORTISE LOCKSET WITH DEADBOLT

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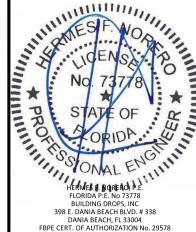
BUILDING DROPS, INC.

398 E. DANIA BEACH BLVD., STE. 338
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PH: (954)399-8478
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.... huildingdrops.com

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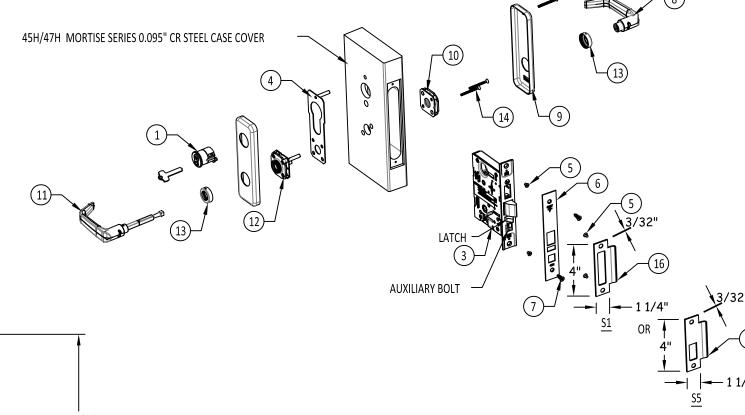
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45H & 47H MORTISE LOCKSET		
WITHOUT DEADBOLT		
MAX. DESIGN PRESSURE		
SINGLE DOOR	+/- 60 PSF	
PAIR DOORS +/- 35 PSF		

THROW DISTANCE		
	LATCH (STEEL)	3/4"

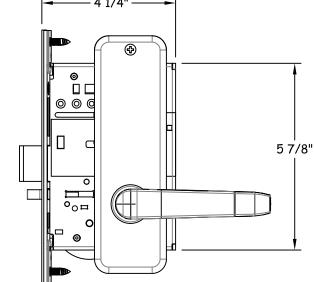
45H/47H MORTISE LOCKSET WITHOUT DEADBOLT

45H/47H MORTISE LOCK WITHOUT 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	-	A 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	D44081	INSIDE ESCUTCHEON	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 S5	1	BRASS



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45H/47H 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.

FRONT VIEW 45H/47H MORTISE LOCKSET WITHOUT DEADBOLT

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SIDE VIEW 45H/47H MORTISE LOCKSET WITHOUT DEADBOLT

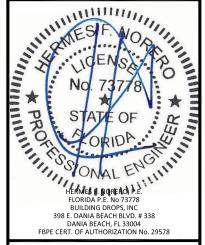
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PREPARED BY:
BUILDING DROPS, INC

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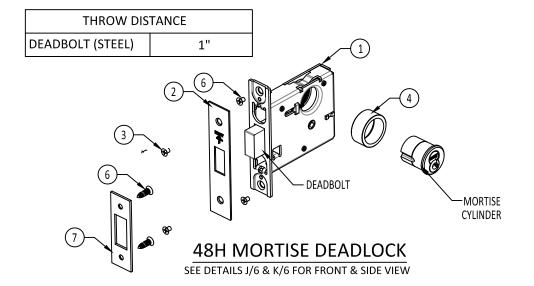


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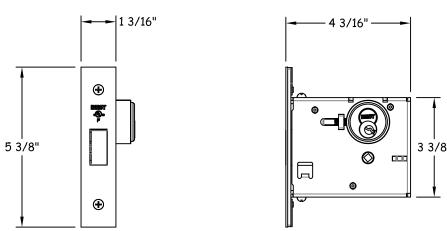
OF 6

SINGLE DOOR +/- 40.5 PSF PAIR DOORS +/- 40.5 PSF

SPECIFICATIONS: BACKSET = 2 3/4" DEADBOLT THROW (SS) = 1" MIN. CASE: 0.095" CR STEEL

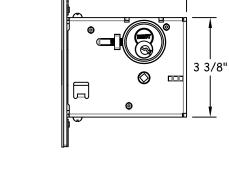


		48H MORTISE DEADBOLT - B.O.M.		
ITEM	DRAWING	DESCRIPTION	REQ'D	MATERIAL
1	-	MORTISE DEADBOLT FINAL ASSEMBLY	1	STAINLESS STEEL
2	C34351	FACEPLATE	1	BRASS
3	A18722	FACEPLATE SCREW, #8-32 X 1/4" PHFHMS	2	STEEL
4	B35103	CYLINDER RING	1	BRASS
5	-	CYLINDER ASSEMBLY	1	BRASS
6	A18724	CASE AND STRIKE MOUNT SCREW, #12-24 X 3/4" PHFHMS	4	STEEL
7	C44004	UNITYERSAL STRIKE - 3/32" MIN THICKNESSS	1	BR A.S.S



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1	FRONT VIEW
6	48H MORTISE DEADLOCK



SIDE VIEW 48H MORTISE DEADLOCK



5 3/8"

FRONT VIEW

ITEM DRAWING DESCRIPTION

B34353 FACEPLATE

8 B45213 INSIDE ESCUTCHEON

A18722

A45203

1 3/16"

2

6

10

B19436 HIGH SECURITY CYLINDER

C44470 HIGH SECURITY CYLINDER RING

MORTISE FINAL ASSEMBLY

12 C44004 UNIVERSAL STRIKE - 3/32" MIN. THICKNESS

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FACEPLATE SCREW, #8-32 X 1/4" PHFHMS

TURN KNOB AND SPINDLE ASSEMBLY

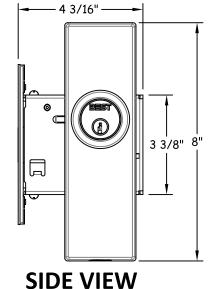
B19446 UL CYLINDER FACE

B45221 OUTSIDE ESCUTCHEON

49H MORTISE DEADLOCK

49H MORTISE DEADLOCK SEE DETAILS H/6 & I/6 FOR FRONT & SIDE VIEW 49H MORTISE DEADBOLT - B.O.M. REQ'D MATERIAL BRASS STEEL STAINLESS STEEL STAINLESS STEEL BRASS STAINLESS STEEL STAINLESS STEEL ESCUTCHEON MOUNTING SCREW, #10-32 × 2 1/8" STAINLESS STEEL BRASS/STEEL A18724 CASE AND STRIKE MOUNT SCREW, #12-24 X 3/4" PHFHMS STEEL BRASS

- DEADBOLT



49H MORTISE DEADLOCK

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48H & 49H MORTISE DEADLOCK

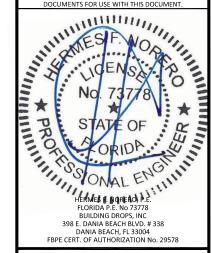
BEST ACCESS SERIES 45TH , 47H 48H, & 49H MORTISE LOCKSET W/OUT DEADBOLTS

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HFN SM NTS SCALE:

DOR005 DWG. #:

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