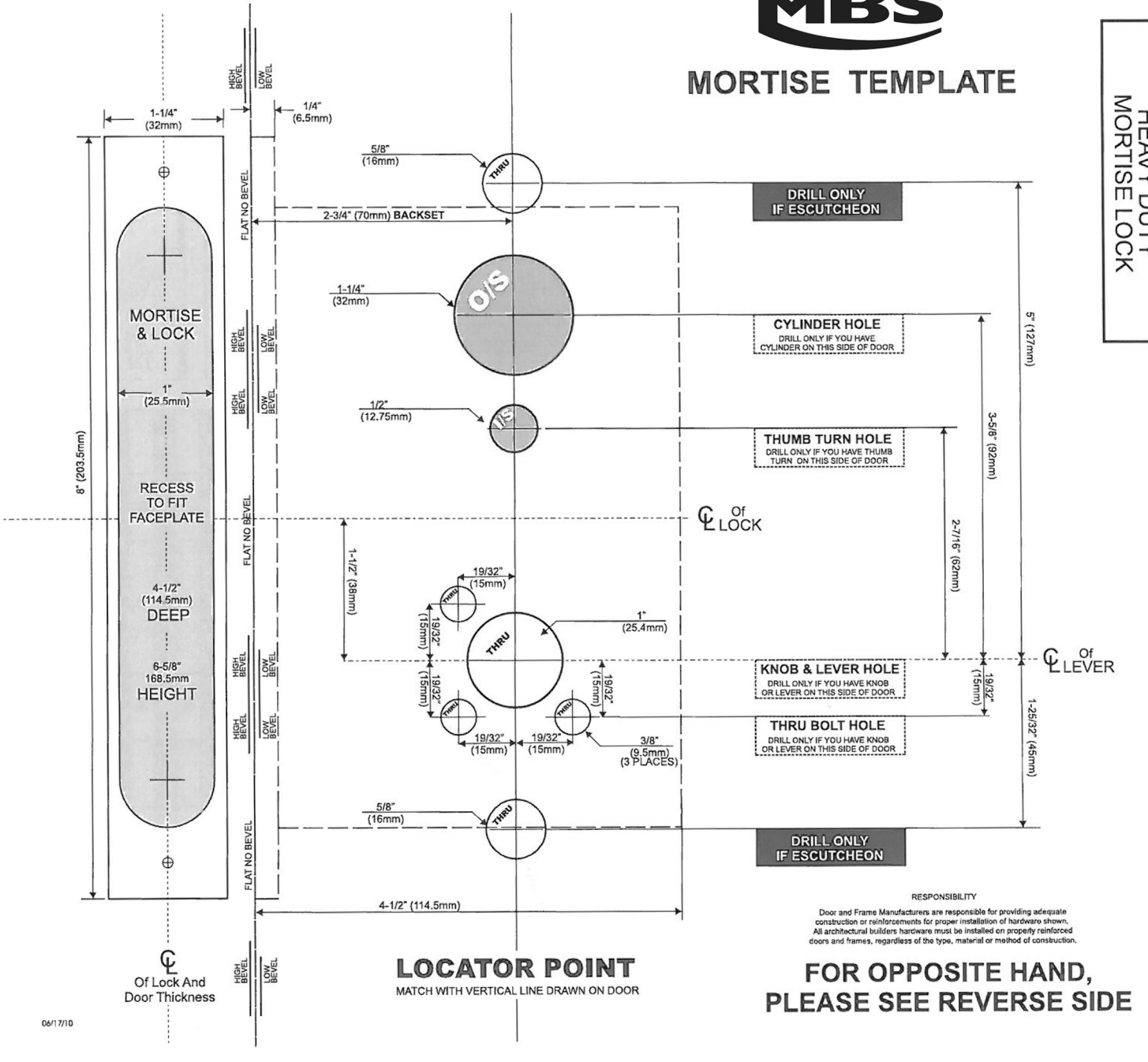
MORTISE TEMPLATE

HEAVY DUTY
MORTISE LOCK



RESPONSIBILITY

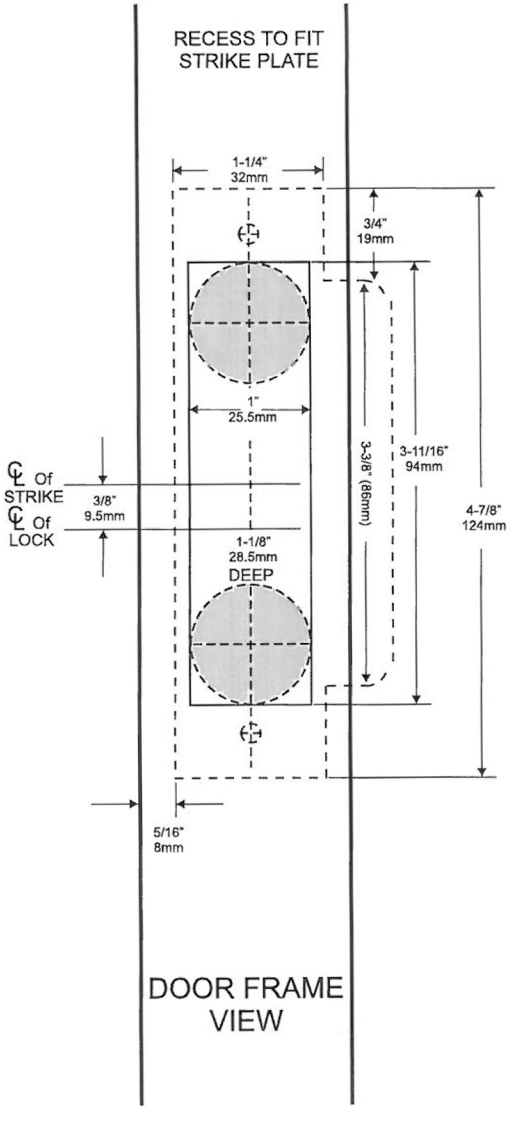
Door and Frame Manufacturers are responsible for providing adequate construction or reinforcements for proper installation of hardware shown. All architectural builders hardware must be installed on properly reinforced doors and frames, regardless of the type, material or method of construction.

LOCATOR POINT
MATCH WITH VERTICAL LINE DRAWN ON DOOR

FOR OPPOSITE HAND, PLEASE SEE REVERSE SIDE

06/17/10

REGULAR



STRIKE TEMPLATE

MORTISE TEMPLATE

HEAVY DUTY
MORTISE LOCK

DOOR PREPARATION CHART

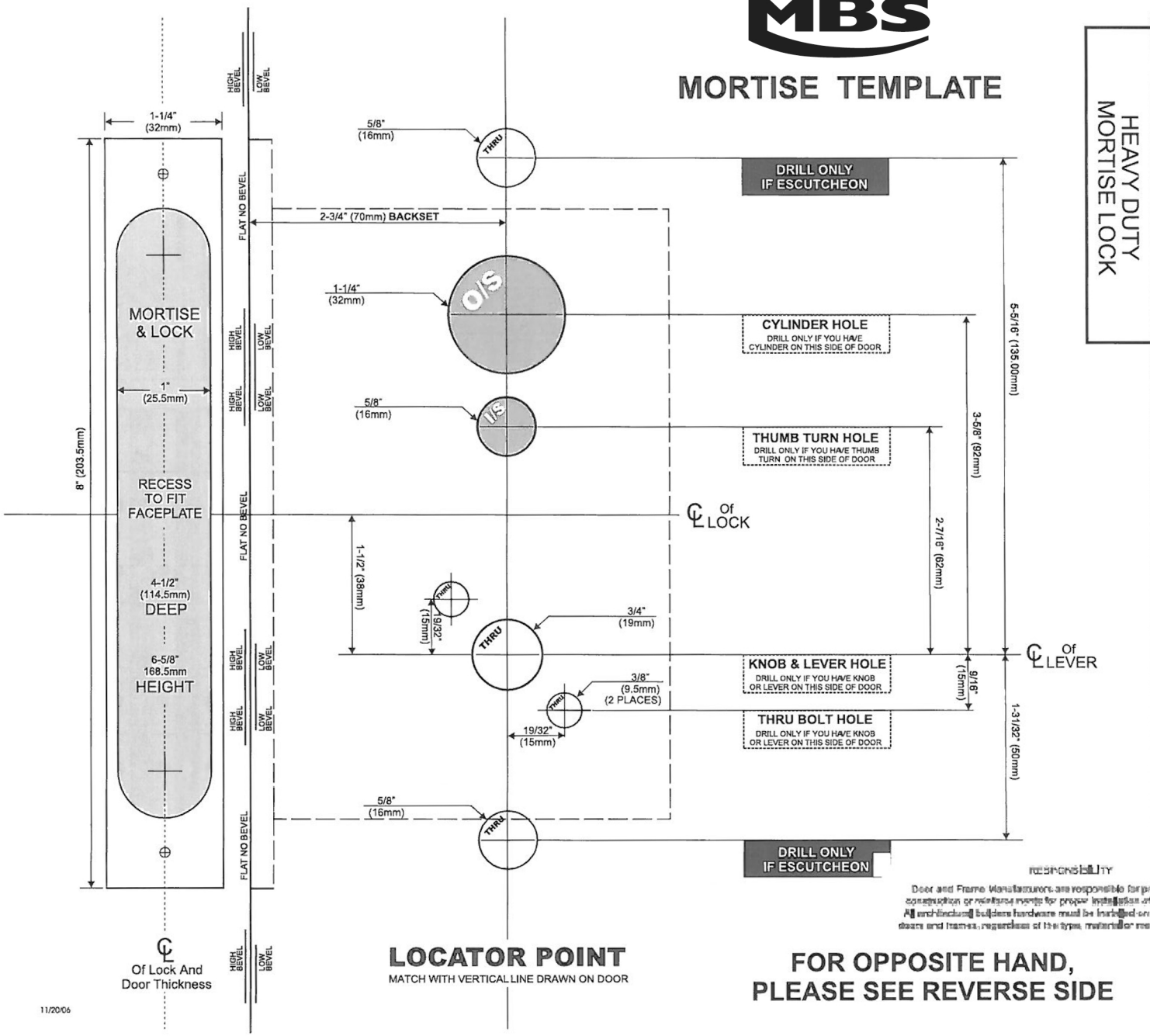
LOCK FUNCTION	OUTSIDE: Lever Hole	OUTSIDE: Cylinder Hole	OUTSIDE: Thumb Turn Hole	INSIDE: Lever Hole	INSIDE: Cylinder Hole	INSIDE: Thumb Turn Hole
01	●			●		
04 / 05 / 06 / 07		●			●	
08 / 12 / 13 / 15 / 20 / 21 / 26		●			●	●
09 / 11 / 14 / 30 / 32 / 34 / 35		●			●	
2 / 19 / 22	●		●	●		●
18	●					
17 / 29	●					
16				●		

REGULAR

08/17/10

MORTISE TEMPLATE

HEAVY DUTY
MORTISE LOCK



11/20/06

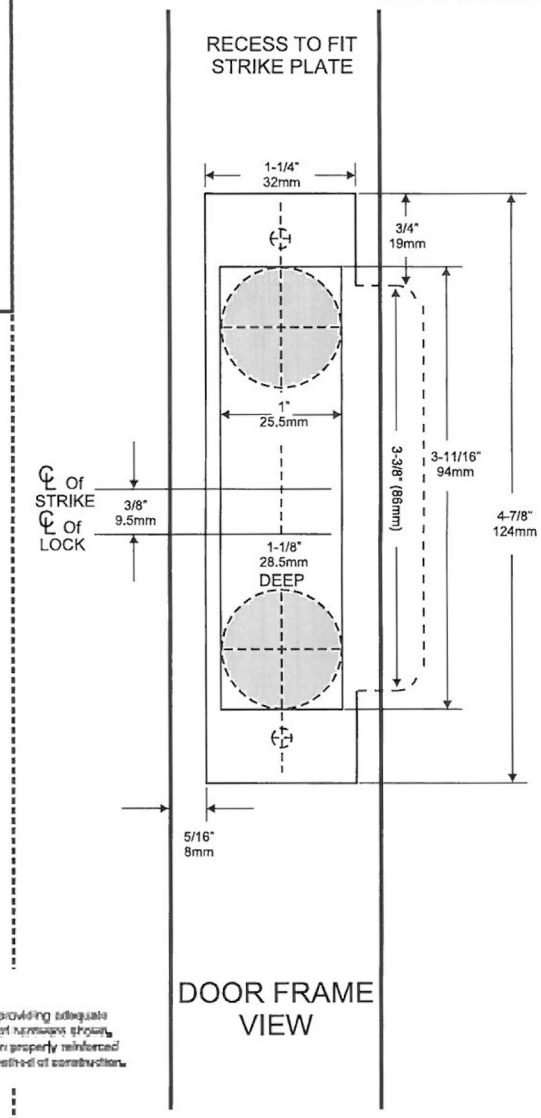
LOCATOR POINT
MATCH WITH VERTICAL LINE DRAWN ON DOOR

RESPONSIBILITY

Door and Frame Manufacturers are responsible for providing adequate
reinforcement or reinforcing inserts for proper installation of hardware shown.
All architectural builders hardware must be installed on properly reinforced
doors and frames, regardless of the type, material or method of construction.

**FOR OPPOSITE HAND,
PLEASE SEE REVERSE SIDE**

WIDE



STRIKE TEMPLATE

MBS

MORTISE TEMPLATE

HEAVY DUTY
MORTISE LOCK

WIDE

LOCATOR POINT
MATCH WITH VERTICAL LINE DRAWN ON DOOR

11/20/06

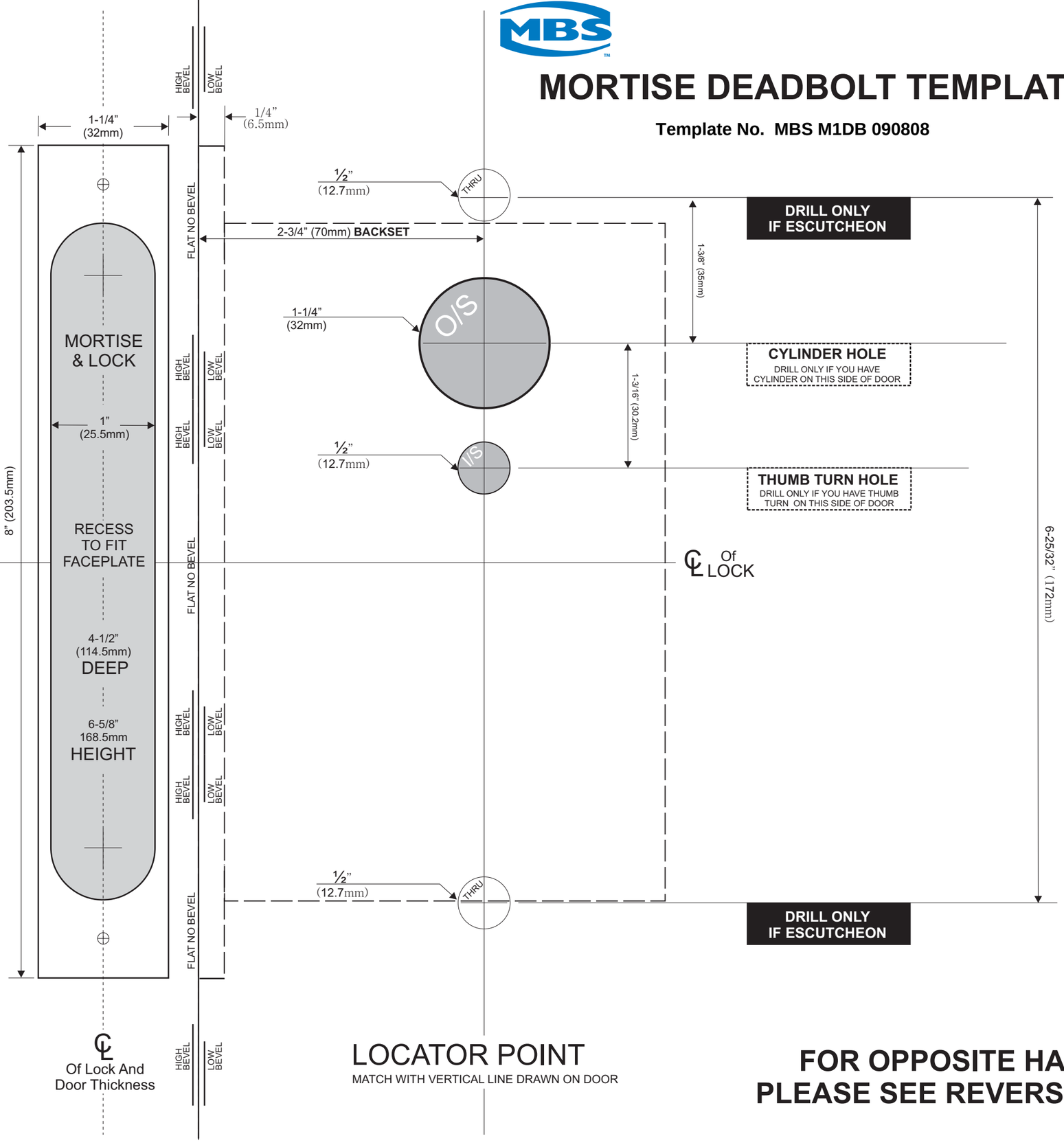
DOOR PREPARATION CHART

LOCK FUNCTION	OUTSIDE		INSIDE	
	Lever Hole	Cylinder Hole	Thumb Turn Hole	Lever Hole	Cylinder Hole	Thumb Turn Hole
01	●	●	●	●	●	●
04	●	●	●	●	●	●
05	●	●	●	●	●	●
07	●	●	●	●		
13	●	●	●	●		●
14	●	●	●		●	
15	●	●	●	●	●	●
19	●	●	●	●		●
20	●	●	●	●	●	●

MORTISE DEADBOLT TEMPLATE

Template No. MBS M1DB 090808

HEAVY DUTY
MORTISE LOCK

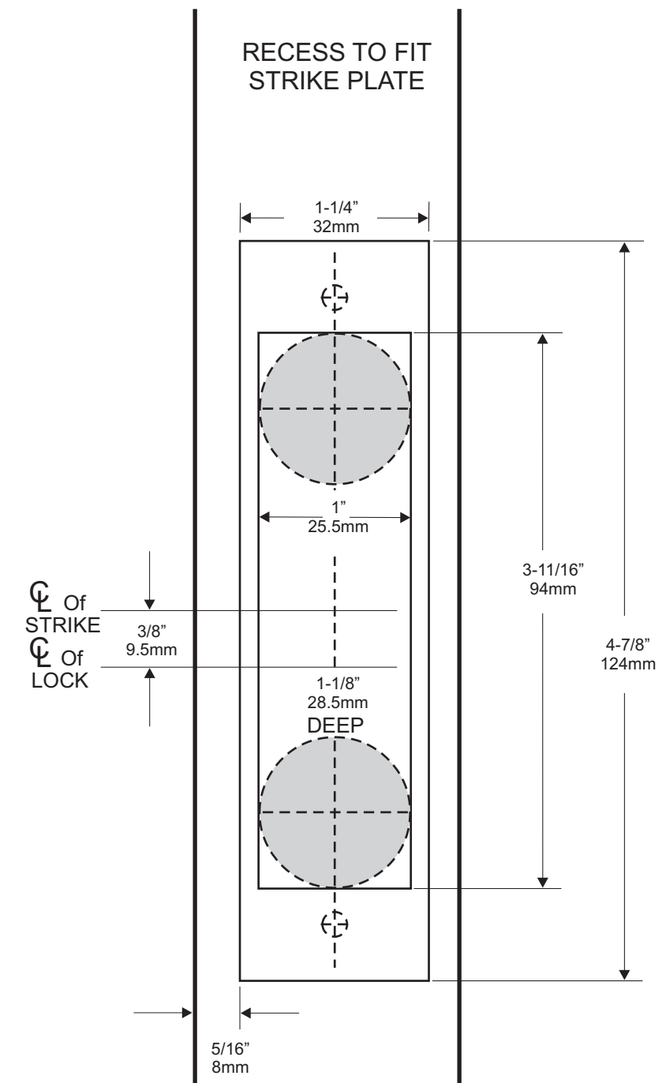


LOCATOR POINT
MATCH WITH VERTICAL LINE DRAWN ON DOOR

**FOR OPPOSITE HAND,
PLEASE SEE REVERSE SIDE**

09/08/08

REGULAR



STRIKE TEMPLATE

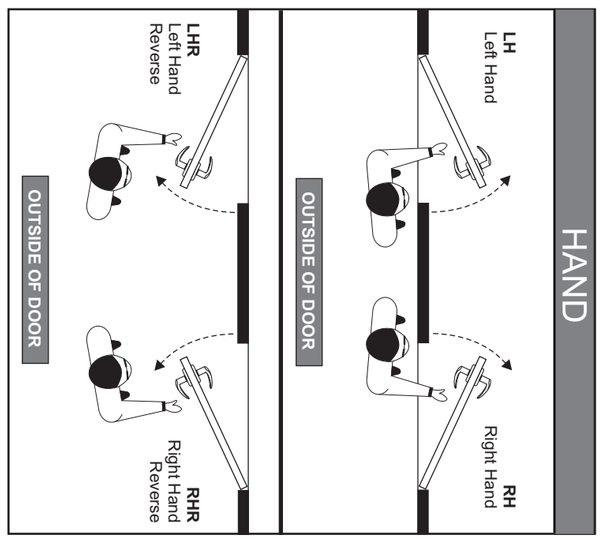
MORTISE DEADBOLT TEMPLATE

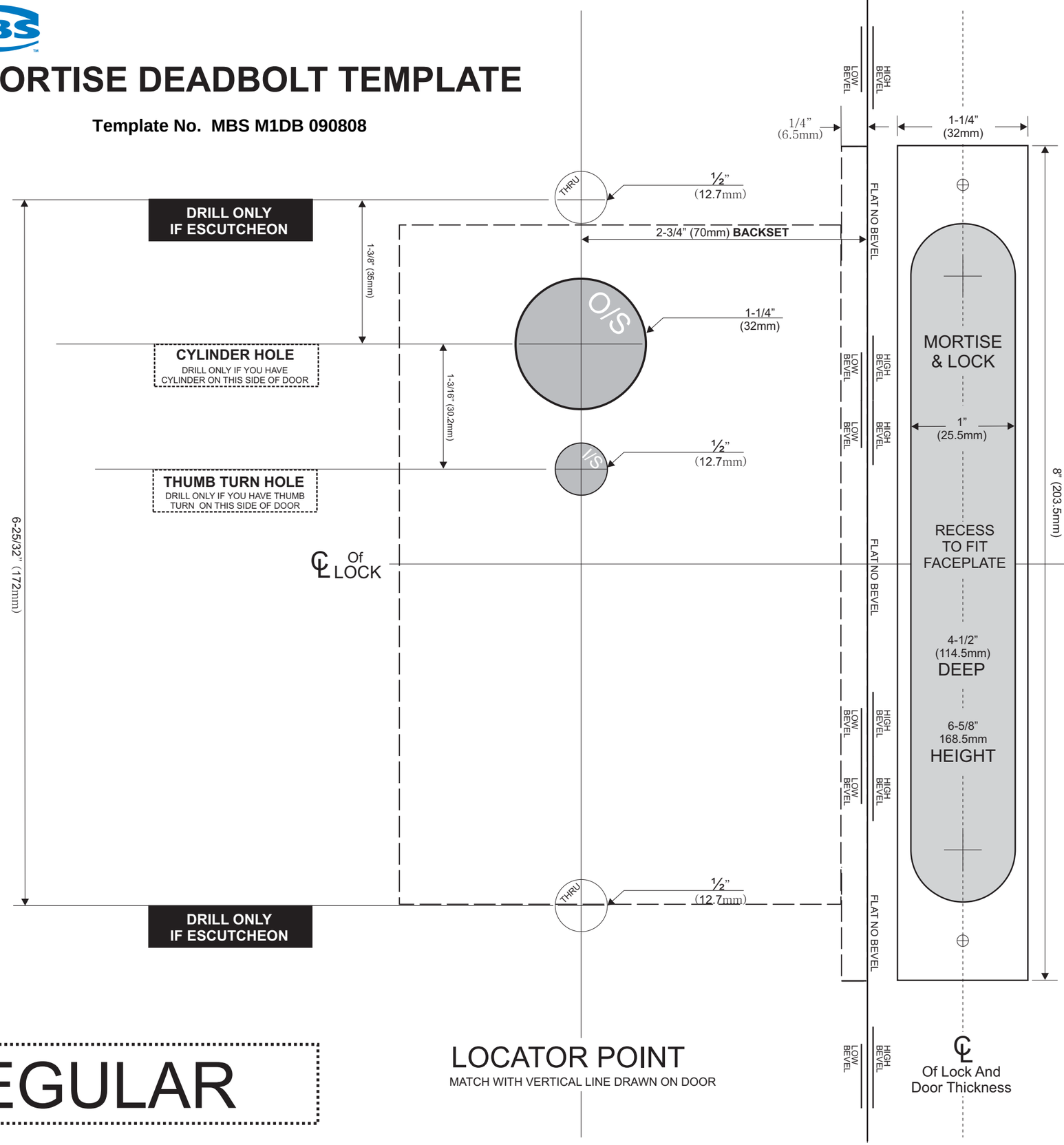
Template No. MBS M1DB 090808

HEAVY DUTY
MORTISE LOCK

DOOR PREPARATION CHART

LOCK FUNCTION		F16	F17	F18
Cylinder Hole	OUTSIDE	●	●	●
Thumb Turn Hole				
Cylinder Hole	INSIDE	●		
Thumb Turn Hole			●	





REGULAR

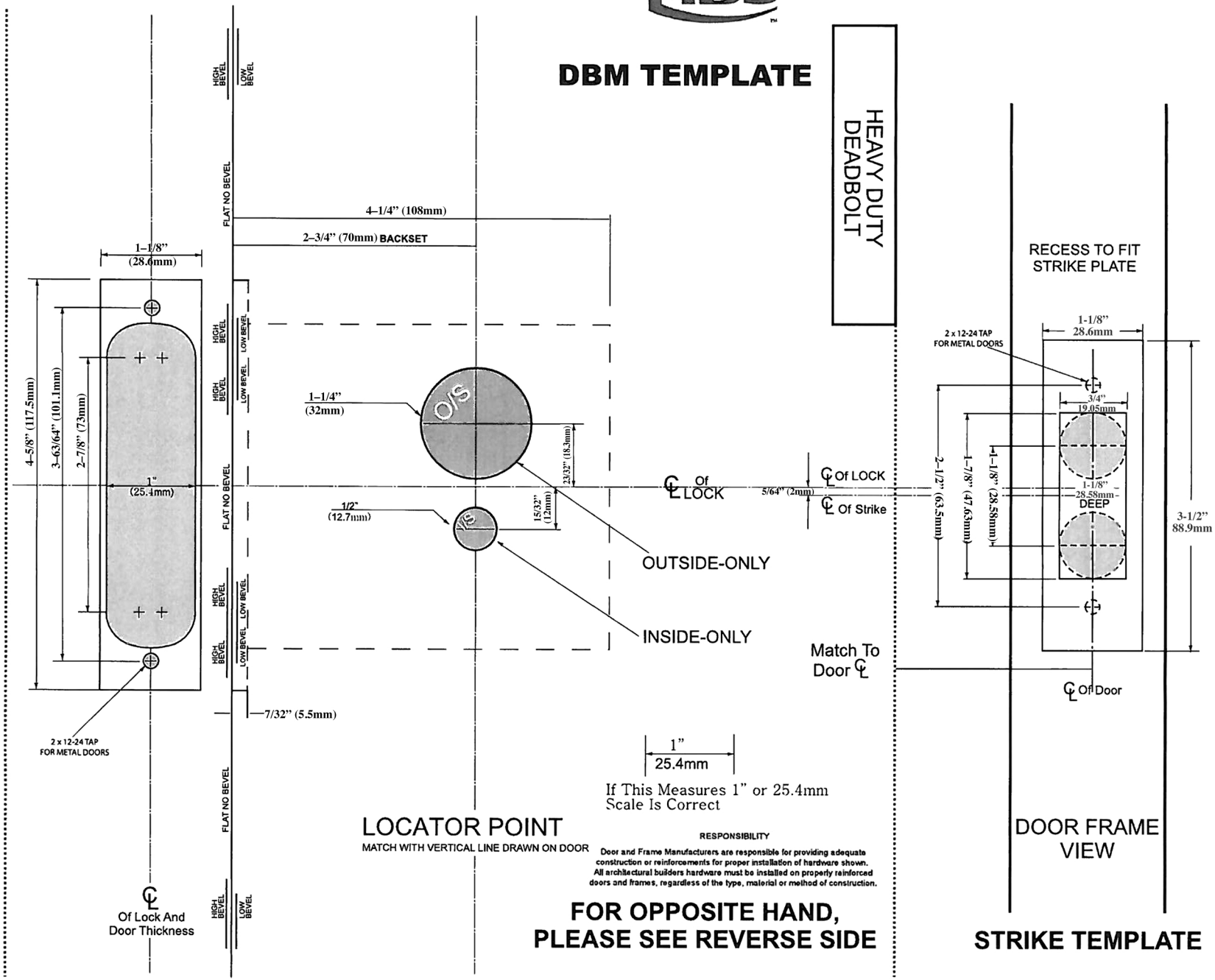
LOCATOR POINT
MATCH WITH VERTICAL LINE DRAWN ON DOOR

09/08/08

DBM TEMPLATE

DOOR PREPARATION CHART

LOCK FUNCTION	OUTSIDE	INSIDE
15	Cylinder Hole	Cylinder Hole
16	Thumb Turn Hole	Thumb Turn Hole
17		
18		
29		



LOCATOR POINT
MATCH WITH VERTICAL LINE DRAWN ON DOOR

RESPONSIBILITY

Door and Frame Manufacturers are responsible for providing adequate construction or reinforcements for proper installation of hardware shown. All architectural builders hardware must be installed on properly reinforced doors and frames, regardless of the type, material or method of construction.

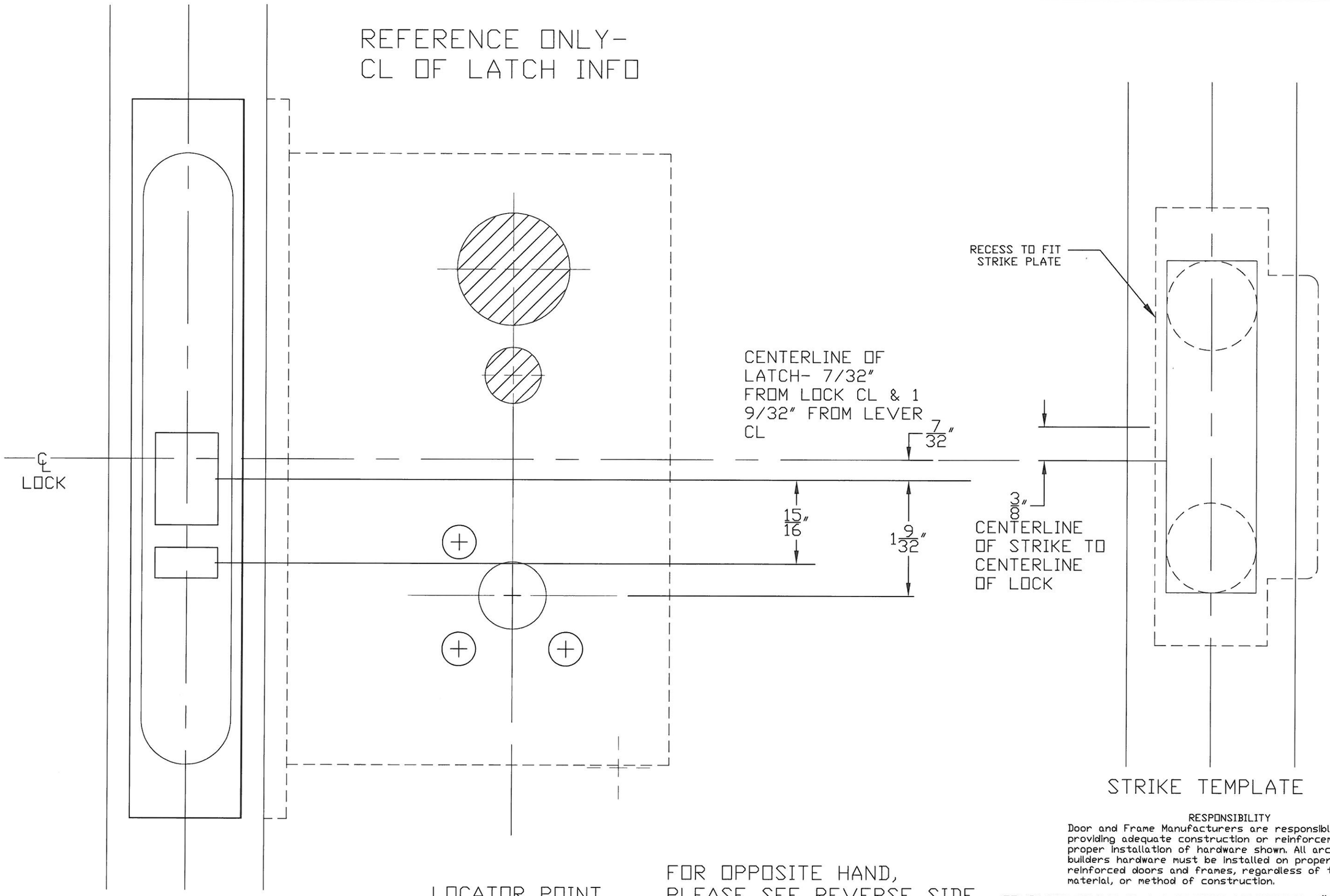
FOR OPPOSITE HAND, PLEASE SEE REVERSE SIDE

DOOR FRAME VIEW

STRIKE TEMPLATE

03/13/12

REFERENCE ONLY-
CL OF LATCH INFO



LOCATOR POINT

FOR OPPOSITE HAND,
PLEASE SEE REVERSE SIDE

STRIKE TEMPLATE

RESPONSIBILITY

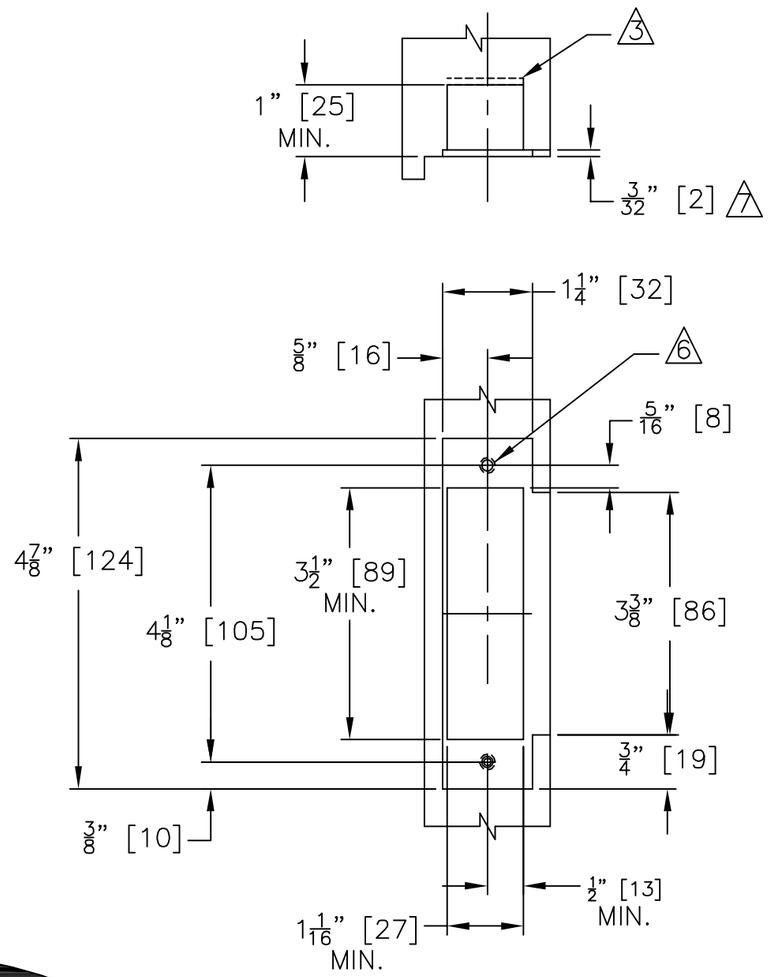
Door and Frame Manufacturers are responsible for providing adequate construction or reinforcements for proper installation of hardware shown. All architectural builders hardware must be installed on properly reinforced doors and frames, regardless of the type, material, or method of construction.

TEMPLATE SCALE IS 1:1 IF THIS MEASURES 1":

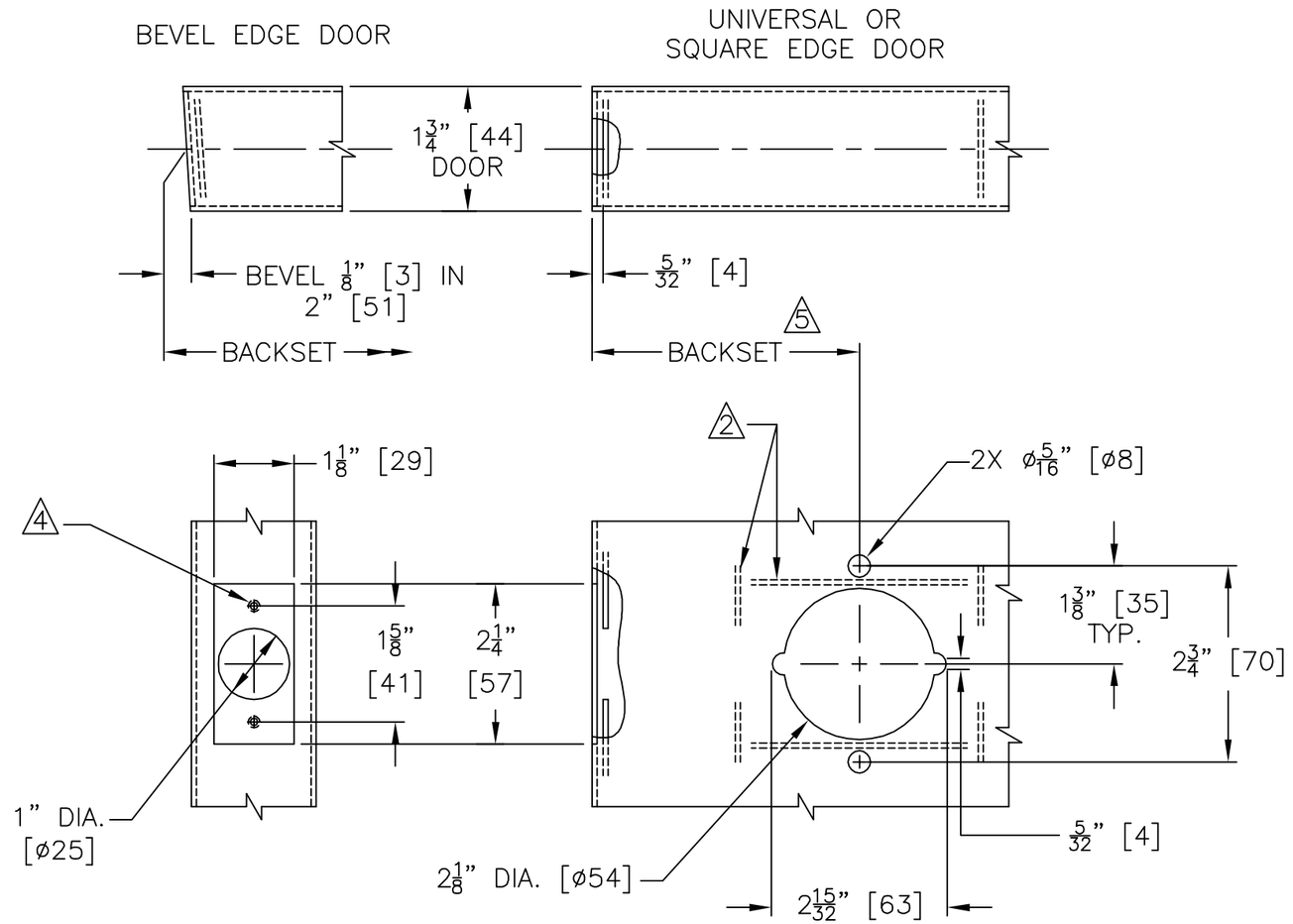
2/4/09

NOTES:

1. ALLOW PLUS TOLERANCE FOR CLEARANCE PER ANSI A115.2.
2. LOCK & LATCH CASE SUPPORT BY DOOR MANUFACTURER.
3. PLASTER GUARD BY DOOR MANUFACTURER.
4. FOR WOOD: $\frac{1}{8}$" [4] PILOT HOLE IN TWO PLACES.
   FOR METAL: DRILL & TAP FOR #8–32 FHMS [M4] IN TWO PLACES.
5. 2 $\frac{3}{8}$" [60], 2 $\frac{3}{4}$" [70], 3 $\frac{3}{4}$" [95], 5" [127]
6. FOR METAL: DRILL & TAP FOR #12–24 FHMS [M4] IN TWO PLACES.
7. WHEN A STRIKE BOX IS USED, $\frac{9}{64}$".



FRAME PREPARATION



DOOR PREPARATION

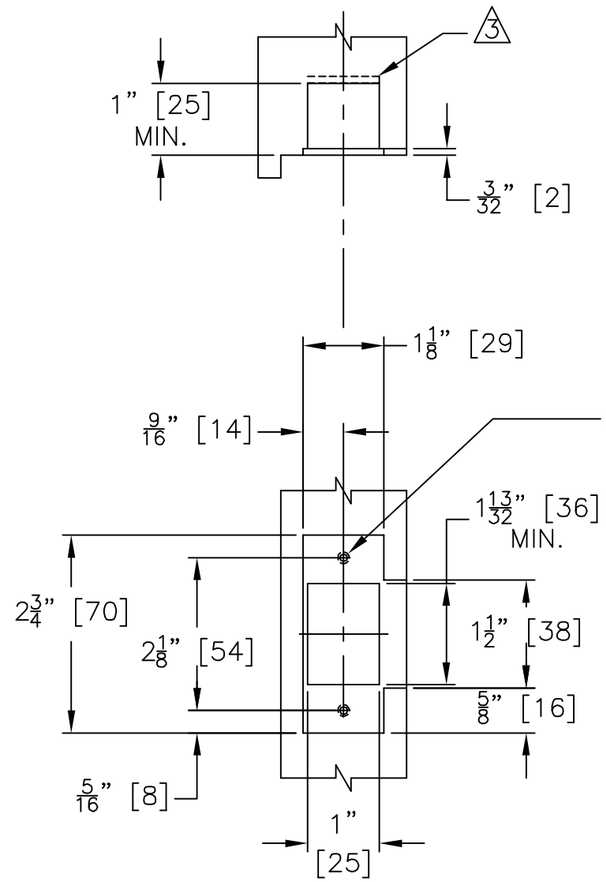
MARSHALL BEST SECURITY

DOOR & FRAME PREPARATION FOR MB1A AND MB2A CYLINDRICAL LOCKS
LARGE ANSI STRIKE (S1), 1–$\frac{3}{4}$" DOOR THICKNESS

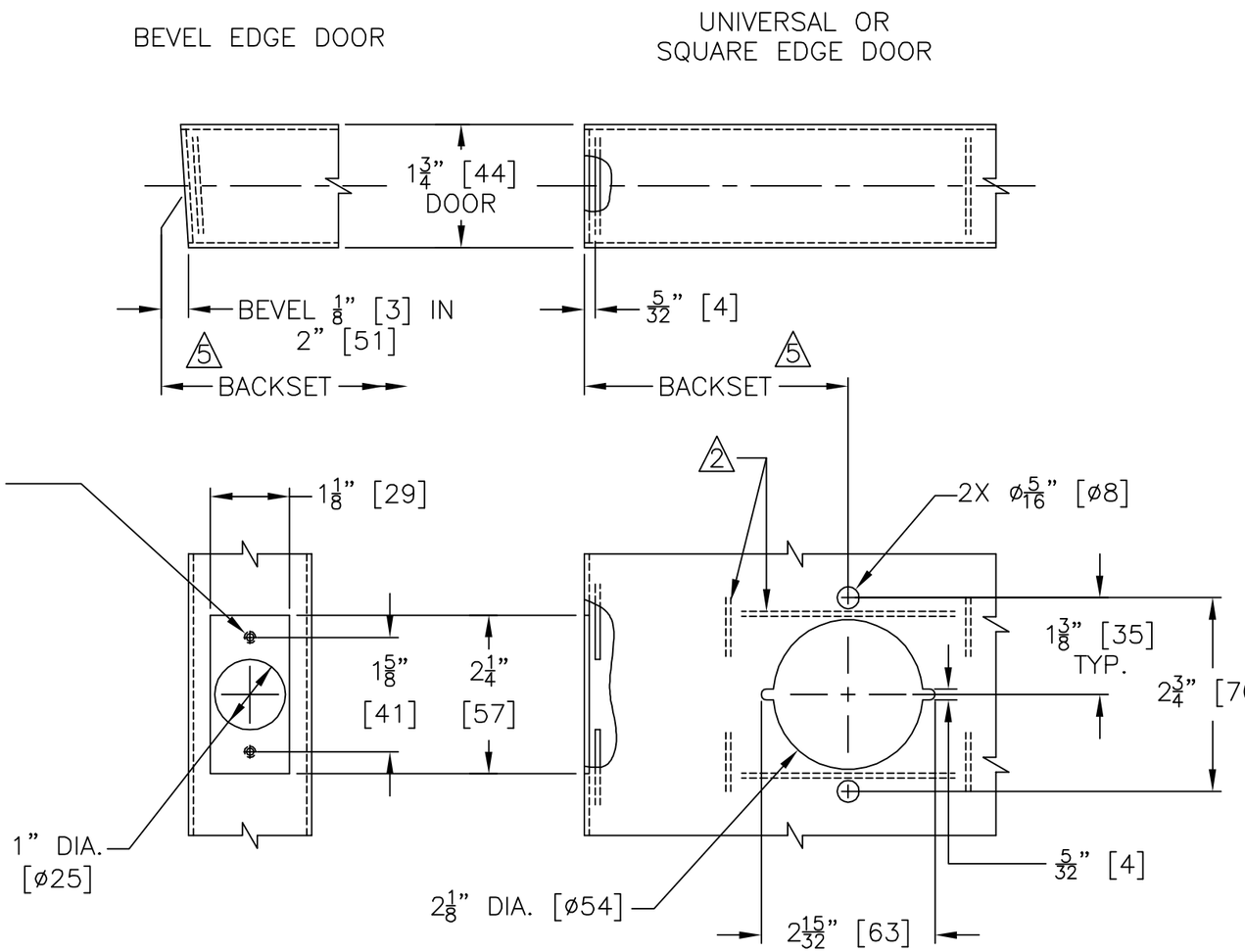
TEMPLATE MB1AMB2A–S1
JULY 2009

NOTES:

1. ALLOW PLUS TOLERANCE FOR CLEARANCE PER ANSI A115.2.
2. LOCK & LATCH CASE SUPPORT BY DOOR MANUFACTURER.
3. PLASTER GUARD BY DOOR MANUFACTURER.
4. FOR WOOD: $\frac{1}{8}$" [4] PILOT HOLE IN TWO PLACES.
   FOR METAL: DRILL & TAP FOR #8–32 FHMS [M4] IN TWO PLACES.
5. 2 $\frac{3}{8}$" [60], 2 $\frac{3}{4}$" [70], 3 $\frac{3}{4}$" [95], 5" [127]



FRAME PREPARATION



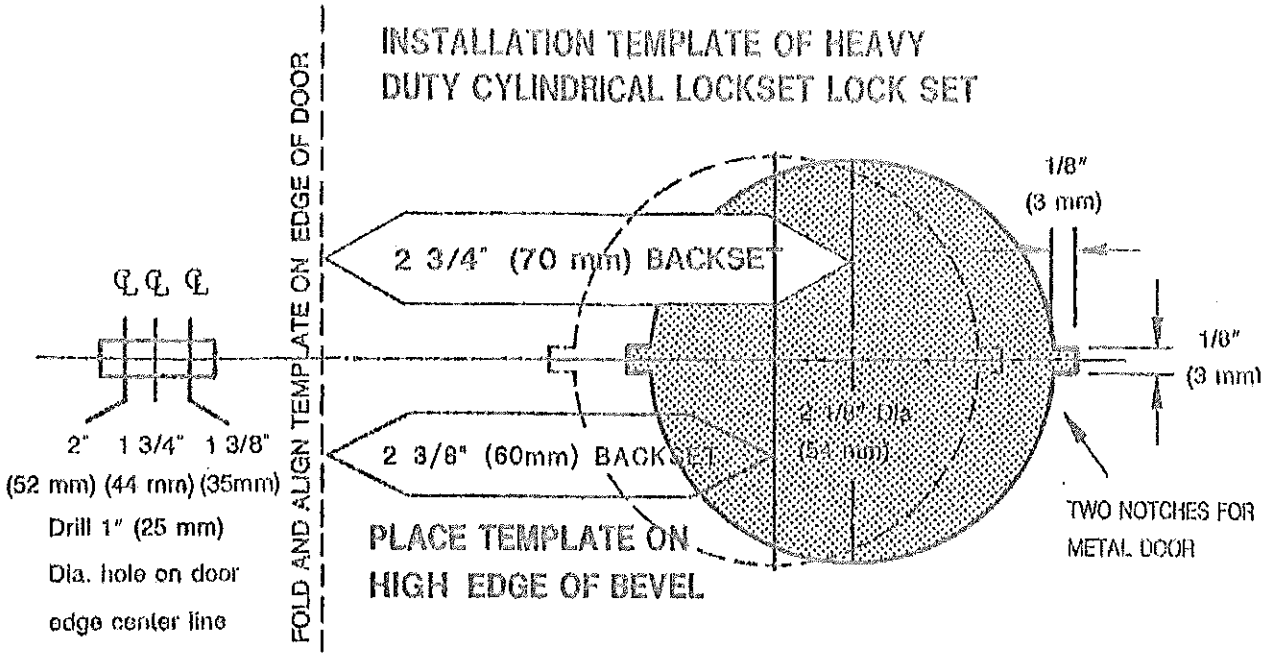
DOOR PREPARATION

MARSHALL BEST SECURITY

DOOR & FRAME PREPARATION FOR MB1A AND MB2A CYLINDRICAL LOCKS
SMALL ANSI STRIKE (S2), 1–$\frac{3}{4}$" DOOR THICKNESS

TEMPLATE MB1AMB2A–S2
JULY 2009

MBK1 & MBK2 TEMPLATE

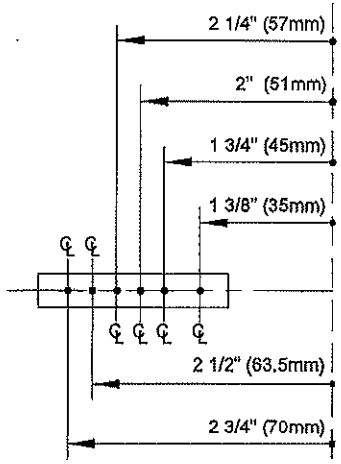


MARSHALL BEST SECURITY

Installation Template of Electrified Lever Set

IMPORTANT :

Check door thickness before drilling.

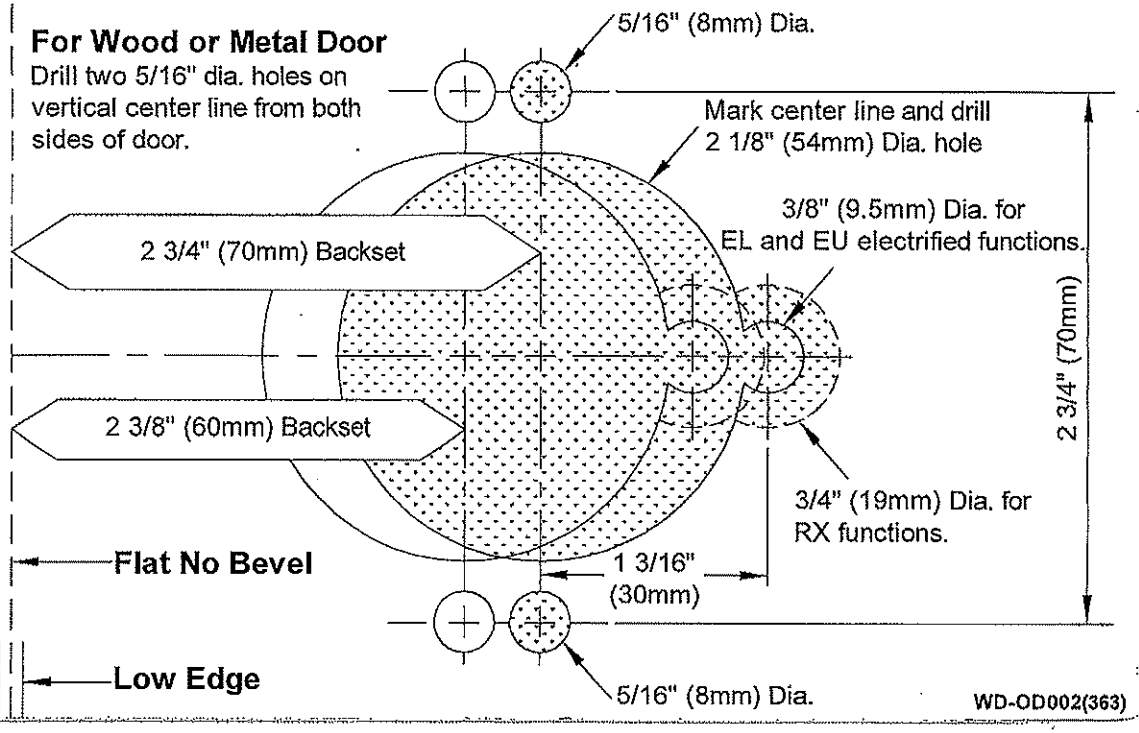


Drill 1" (25mm) Dia. hole on door edge center line

Fold and Align Template on Edge of Door

For Wood or Metal Door

Drill two 5/16" dia. holes on vertical center line from both sides of door.



High Edge — **Low Edge**

WD-OD002(363)

Title
Installation Specification Template for MBT & MBT2
Tubular Deadbolt Locks with Standard Strike

Series:
MBT & MBT2

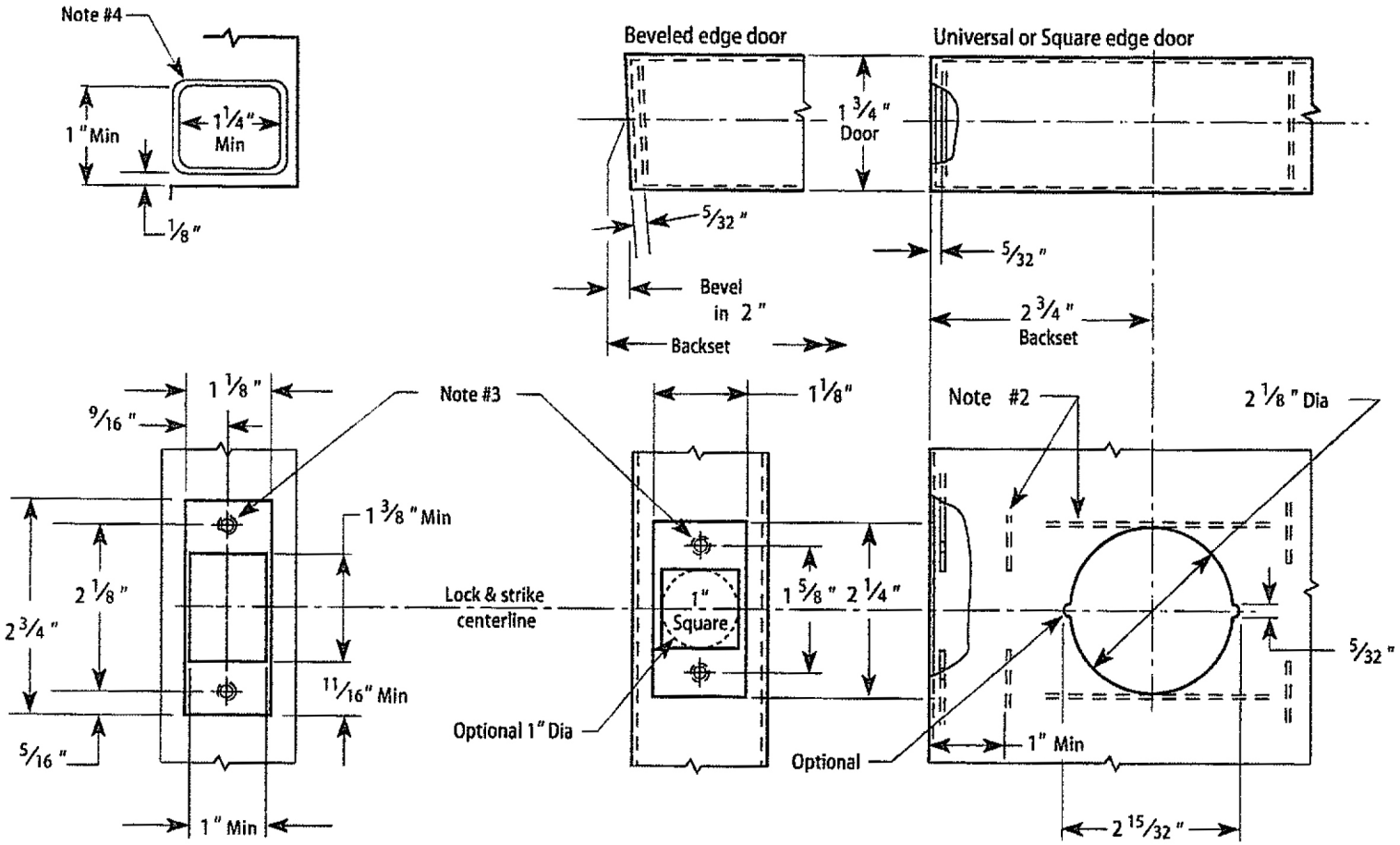
Backset:
2 3/4"

Door Thickness:
1 3/8" – 2"

Marshall Best Security

Notes

1 Allow plus tolerance for clearance per ANSI A115.2.
2 Lock and latch case support by door manufacturer.
3 Prepare for a #8--32 screw.
4 Plaster guard by door manufacturer.



Frame Preparation

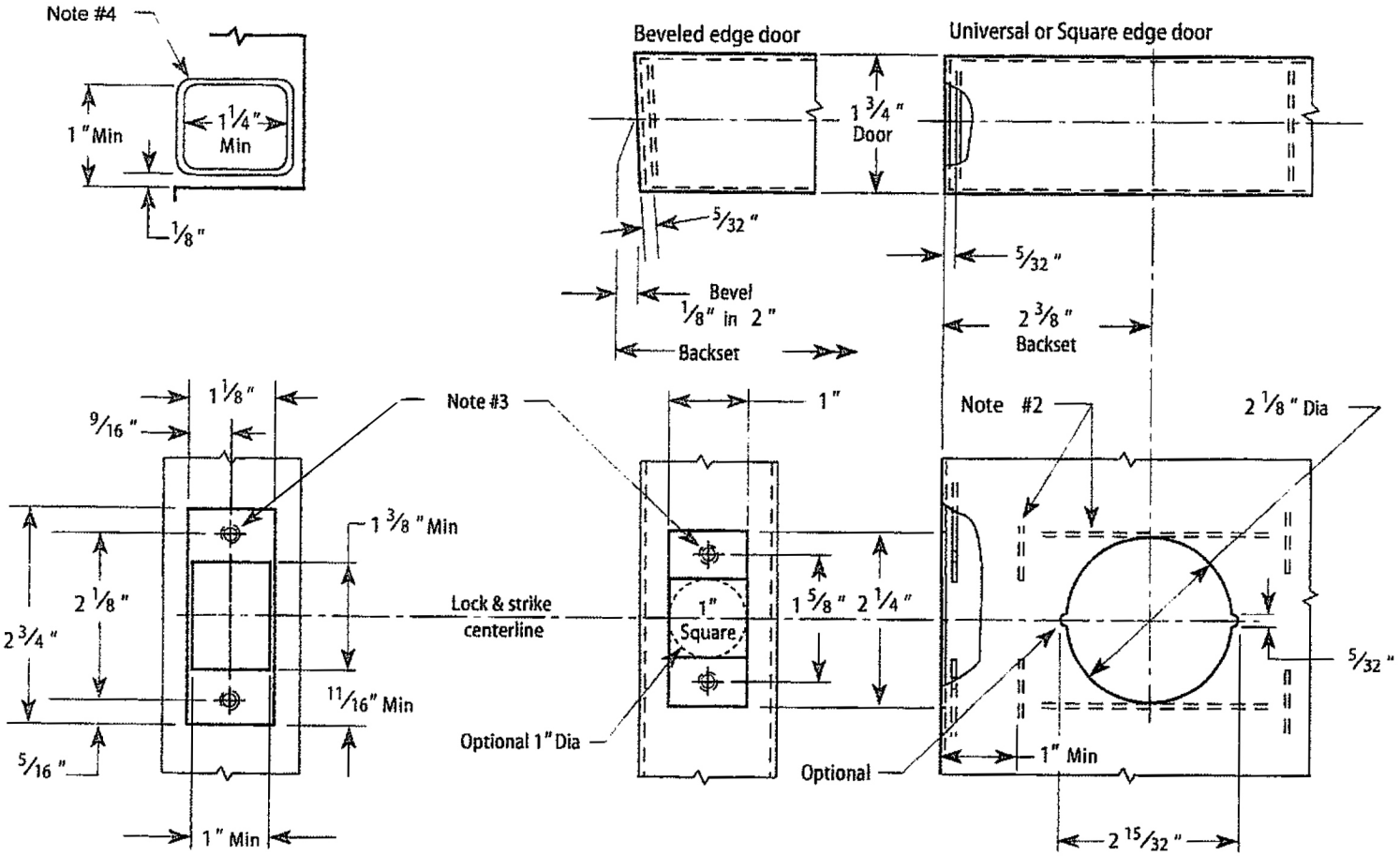
2 3/4" Backset Door Preparation

Title	Series:	Backset:	Door Thickness:
Installation Specification Template for MBT & MBT2 Tubular Deadbolt Locks with Standard Strike	MBT & MBT2	2 3/8"	1 3/8" – 2"

Marshall Best Security

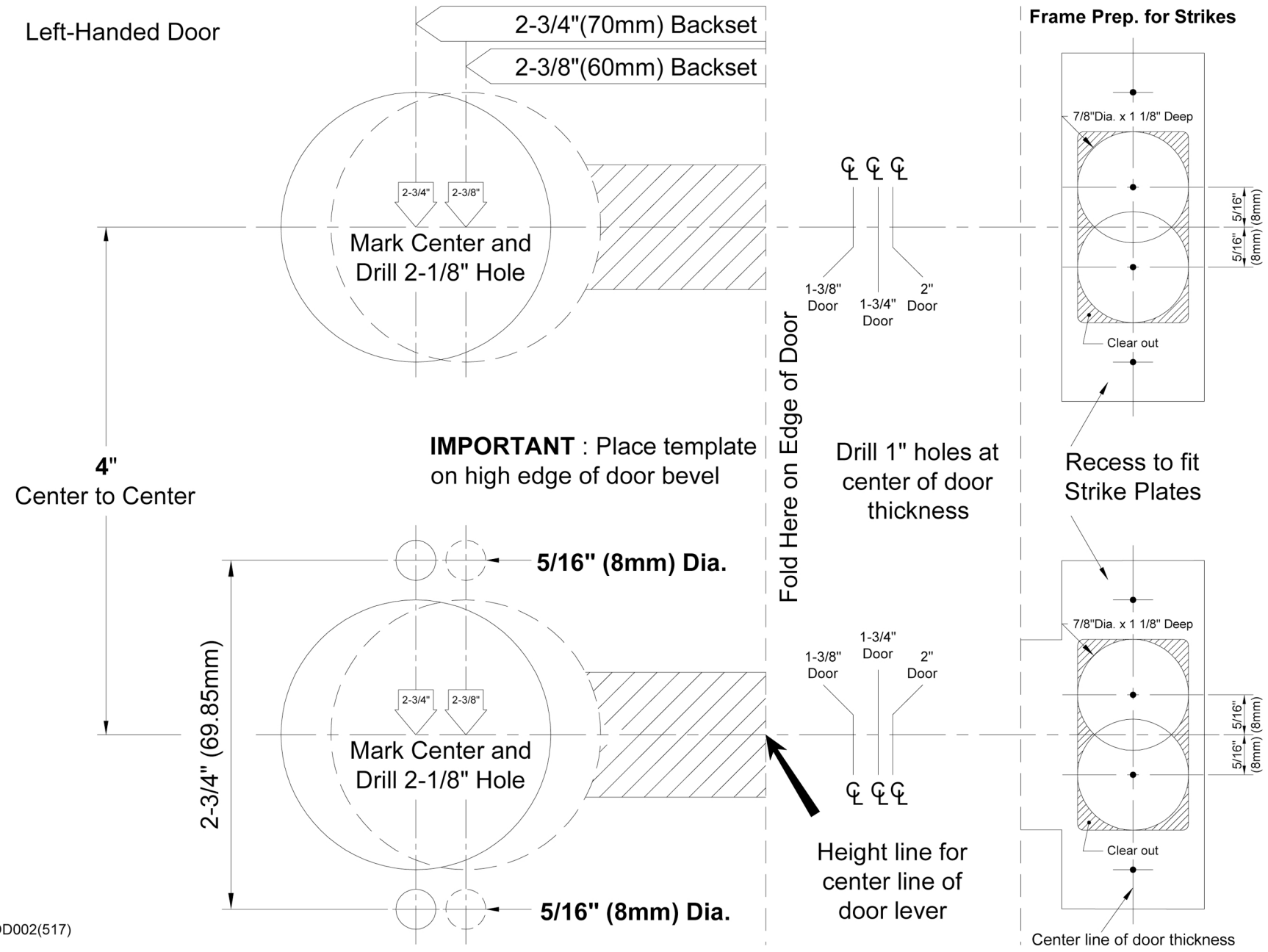
Notes

1. Allow plus tolerance for clearance per ANSI A115.2.
2. Lock and latch case support by door manufacturer.
3. Prepare for a #8-32 screw.
4. Plaster guard by door manufacturer.



GF2 Series

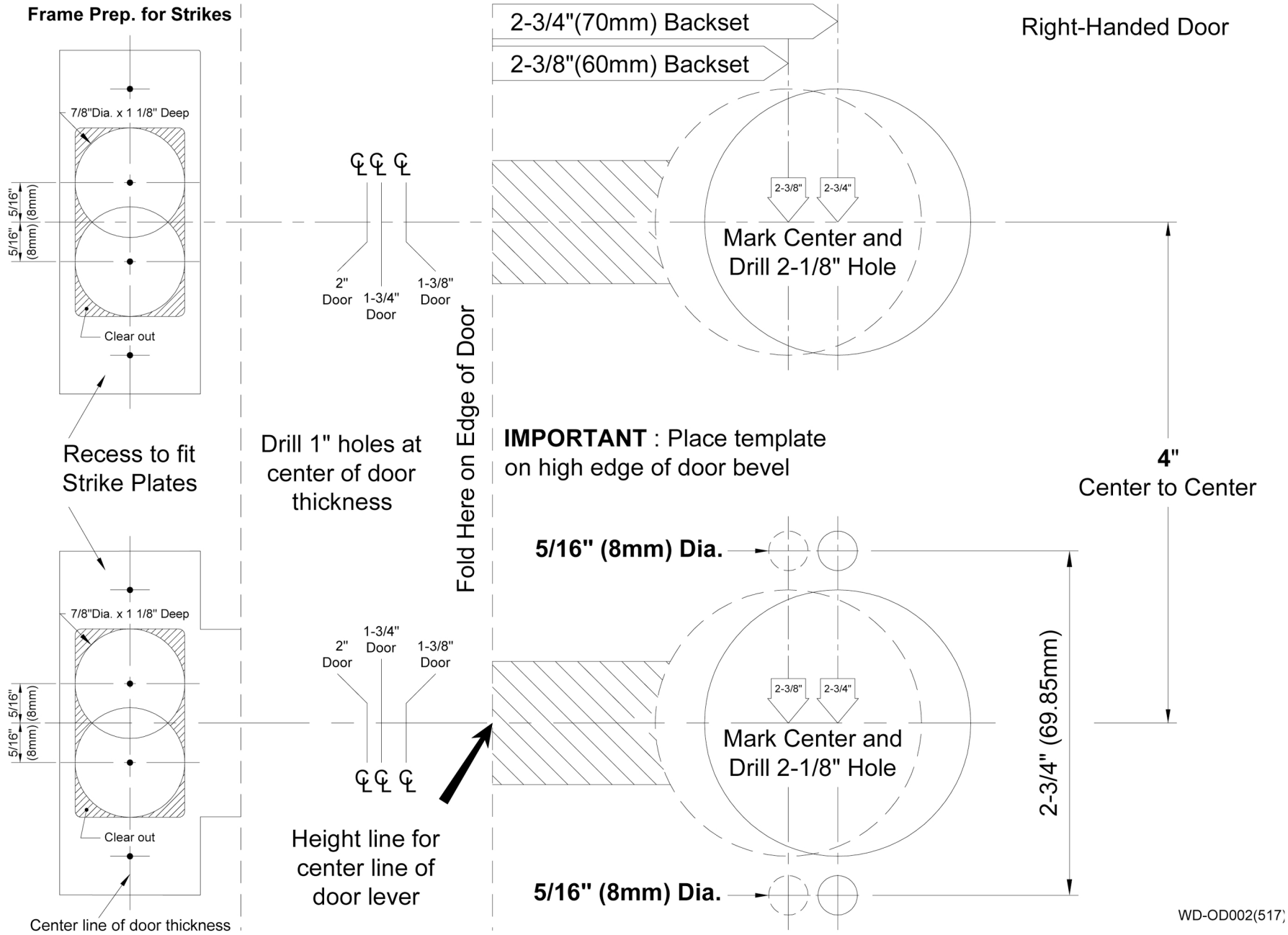
Installation Template of Interconnected Lock



WD-OD002(517)

GF2 Series

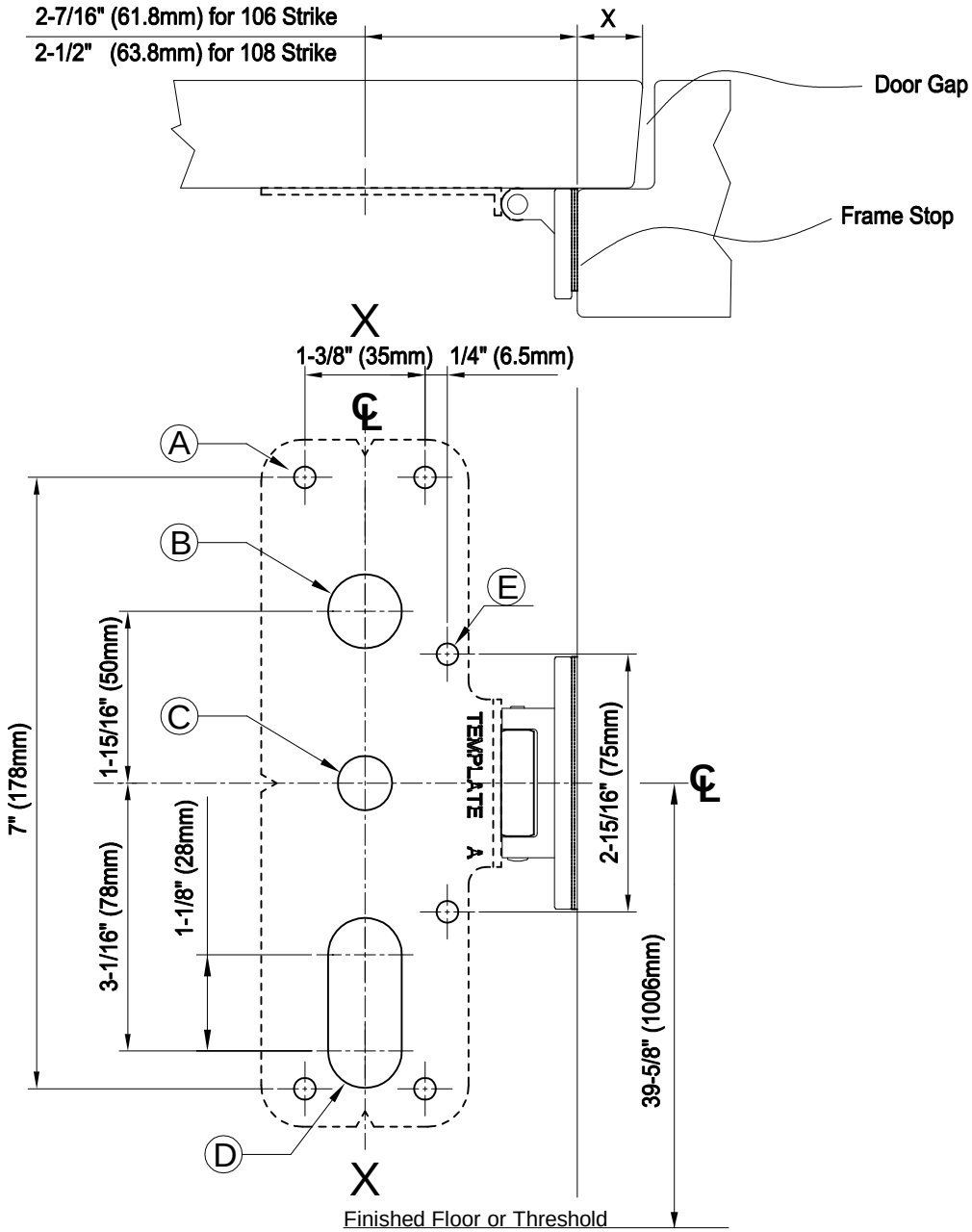
Installation Template of Interconnected Lock



WD-OD002(517)

Templates

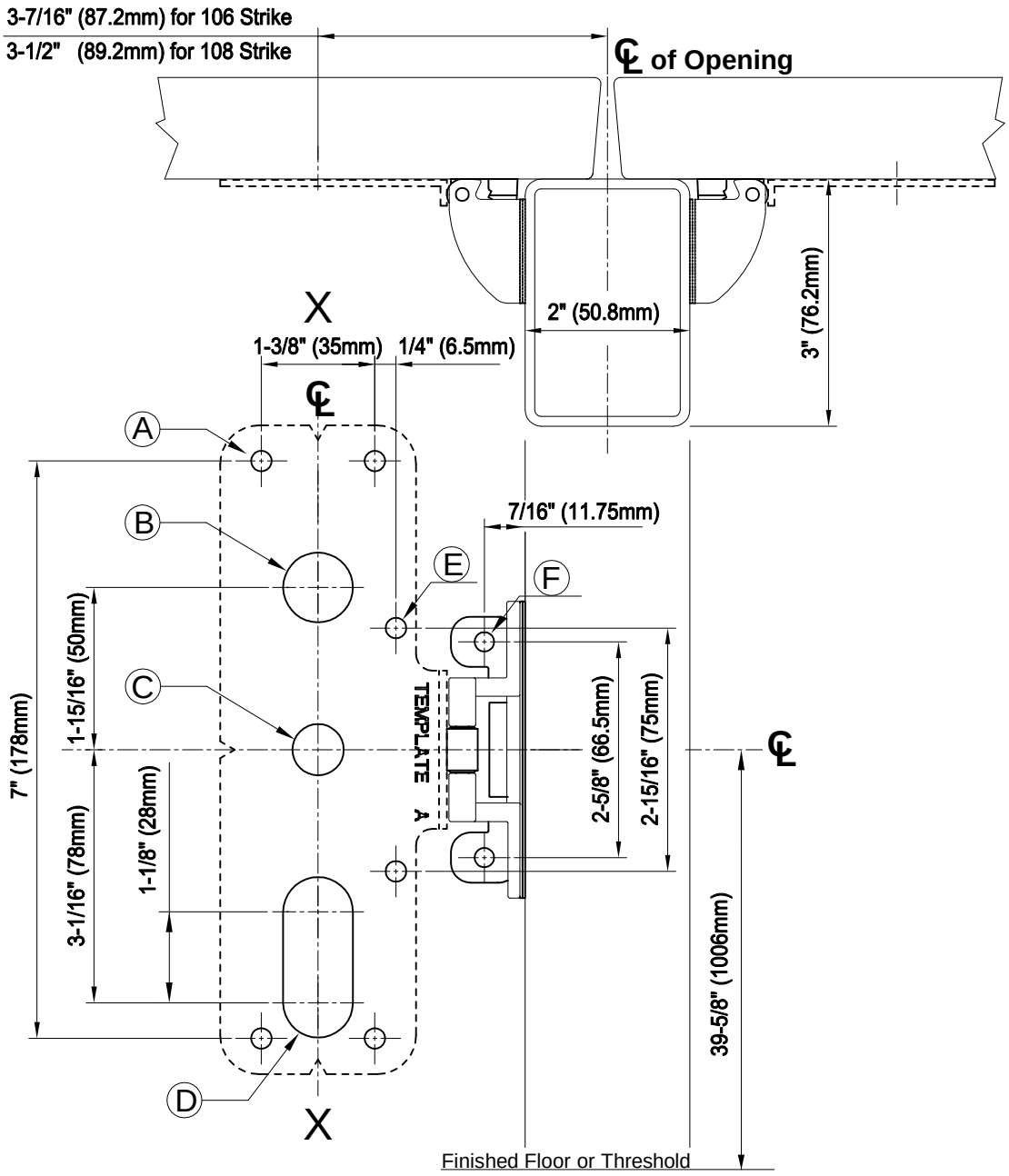
Preparation for RIM/3PT with 106/108 Strike



NOTATION	ILL.	APPLICATIONS	DIMENSION	
			METAL	WOOD
A	o	EXIT ONLY	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
		SEX BOLT OR TRIM	6 (1/4") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (TRIM SIDE)	
B	○	DOUBLE CYLINDER	22 (7/8") DRILL (CUT DEVICE SIDE)	
C	○	OUTSIDE CYLINDER	16 (5/8") DRILL (CUT DEVICE SIDE)	16 (5/8") DRILL (CUT THRU)
D	▯	TRIM WITH WORKING LEVER	22 (7/8") DRILL (CUT DEVICE SIDE ONLY)	
E	o	SUPPORT BRACKET	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP

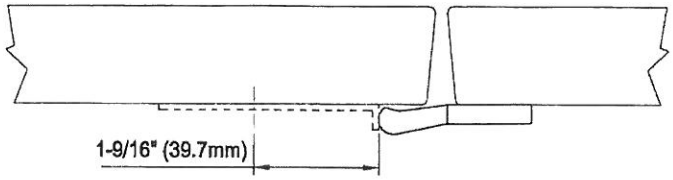
Templates

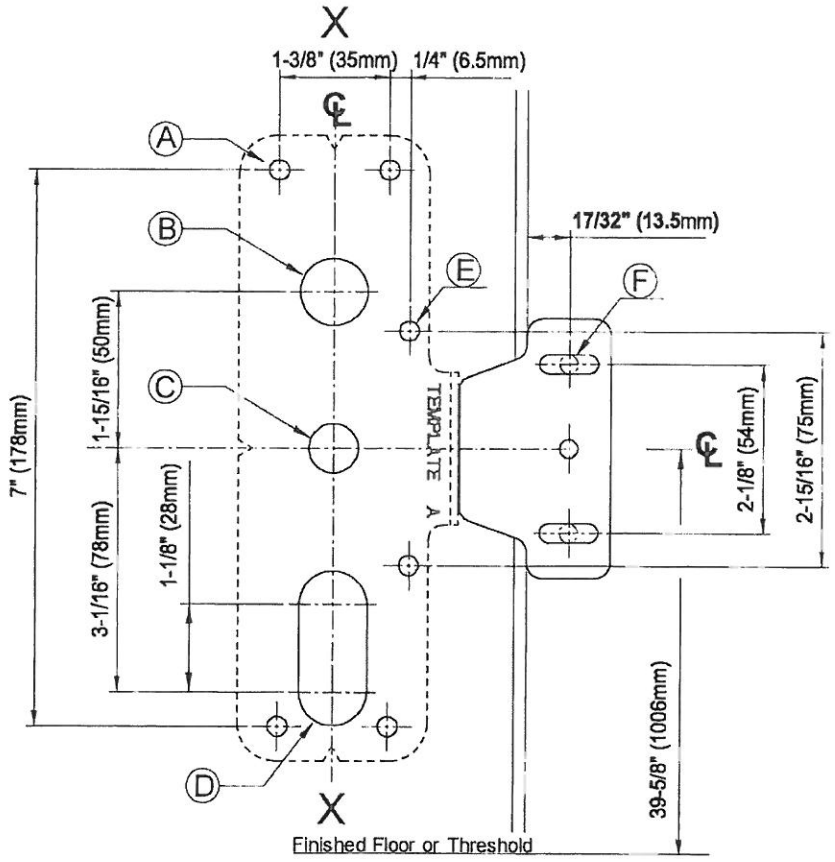
Preparation for RIM/3PT with 106/108 Strike & Mullion



NOTATION	ILL.	APPLICATIONS	DIMENSION	
			METAL	WOOD
A	o	EXIT ONLY	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
		SEX BOLT OR TRIM	6 (1/4") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (TRIM SIDE)	
B	○	DOUBLE CYLINDER	22 (7/8") DRILL (CUT THRU)	
C	○	OUTSIDE CYLINDER	16 (5/8") DRILL (CUT DEVICE SIDE)	16 (5/8") DRILL (CUT THRU)
D	▯	TRIM WITH WORKING LEVER	22 (7/8") DRILL (CUT DEVICE SIDE ONLY)	
E	o	SUPPORT BRACKET	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
F	o	108 STRIKE	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP

Template for Q1100/Q1500 Series Exit Devices With 136 Strike





NOTATION	ILL.	APPLICATIONS	DIMENSION	
			METAL	WOOD
A	o	EXIT ONLY	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
		SEX BOLT OR TRIM	6 (1/4") DRILL (DEVICE SIDE) 10 3 (13/32") DRILL (TRIM SIDE)	
B	○	DOUBLE CYLINDER	22 (7/8") DRILL (CUT THRU)	
C	○	OUTSIDE CYLINDER	16 (5/8") DRILL (CUT DEVICE SIDE)	16 (5/8") DRILL (CUT THRU)
D	▯	TRIM WITH WORKING LEVER	22 (7/8") DRILL (CUT DEVICE SIDE ONLY)	
E	o	SUPPORT BRACKET	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
F	o	136 STRIKE	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP

Not scale to 1:1

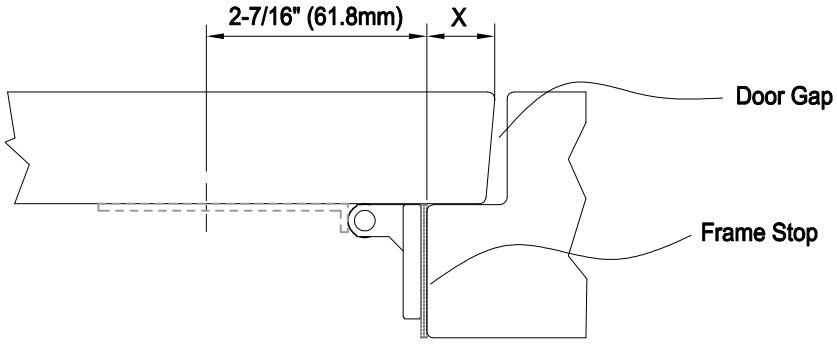
Template

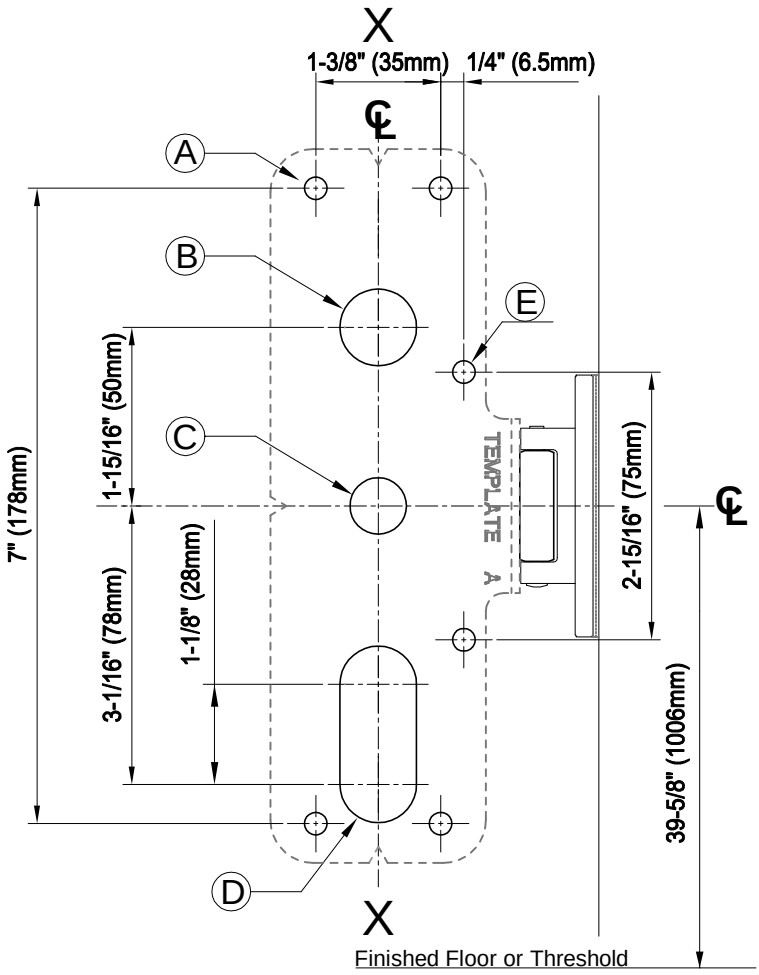
Preparation for RIM/3PT with 106 Strike

Note:

As this is door prep. for single door, we can only provide you the distance (2-7/16” or 61.8mm) between device center line and the strike.
Please note the distance marked as (X) needs to be determined by your end due to the distance (X) is the measurement of Frame stop minizes its door gap.

** Hence, the unknown factor is the its door gap and we don’t know how your door installers are going to set up the doors with the unknown door gap.

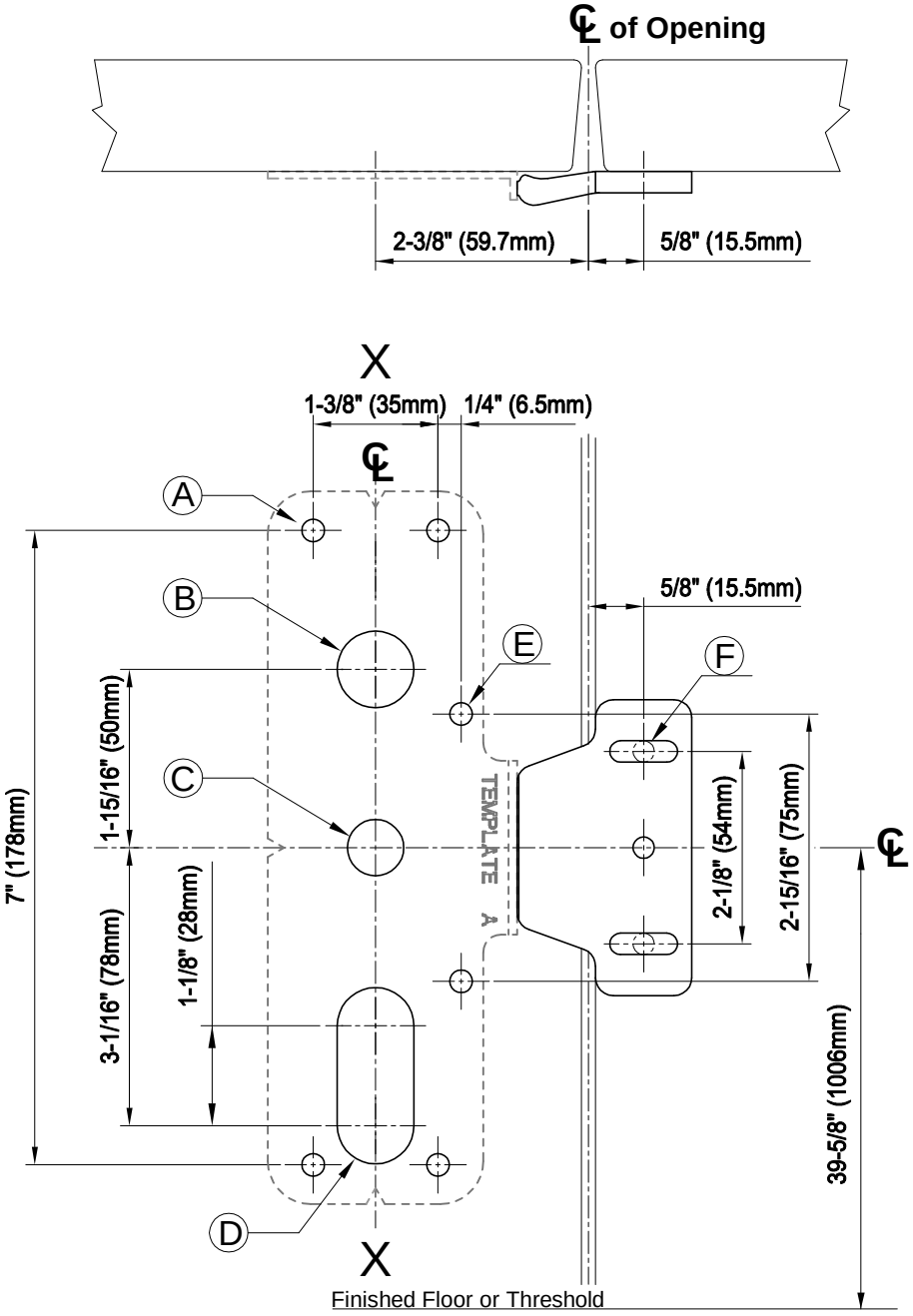




NOTATION	ILL.	APPLICATIONS	DIMENSION	
			METAL	WOOD
A	○	EXIT ONLY	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
		SEX BOLT OR TRIM	6 (1/4") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (TRIM SIDE)	
B	◯	DOUBLE CYLINDER	22 (7/8") DRILL (CUT DEVICE SIDE)	
C	◯	OUTSIDE CYLINDER	16 (5/8") DRILL (CUT DEVICE SIDE)	16 (5/8") DRILL (CUT THRU)
D	▯	TRIM WITH WORKING LEVER	22 (7/8") DRILL (CUT DEVICE SIDE ONLY)	
E	○	SUPPORT BRACKET	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP

Template

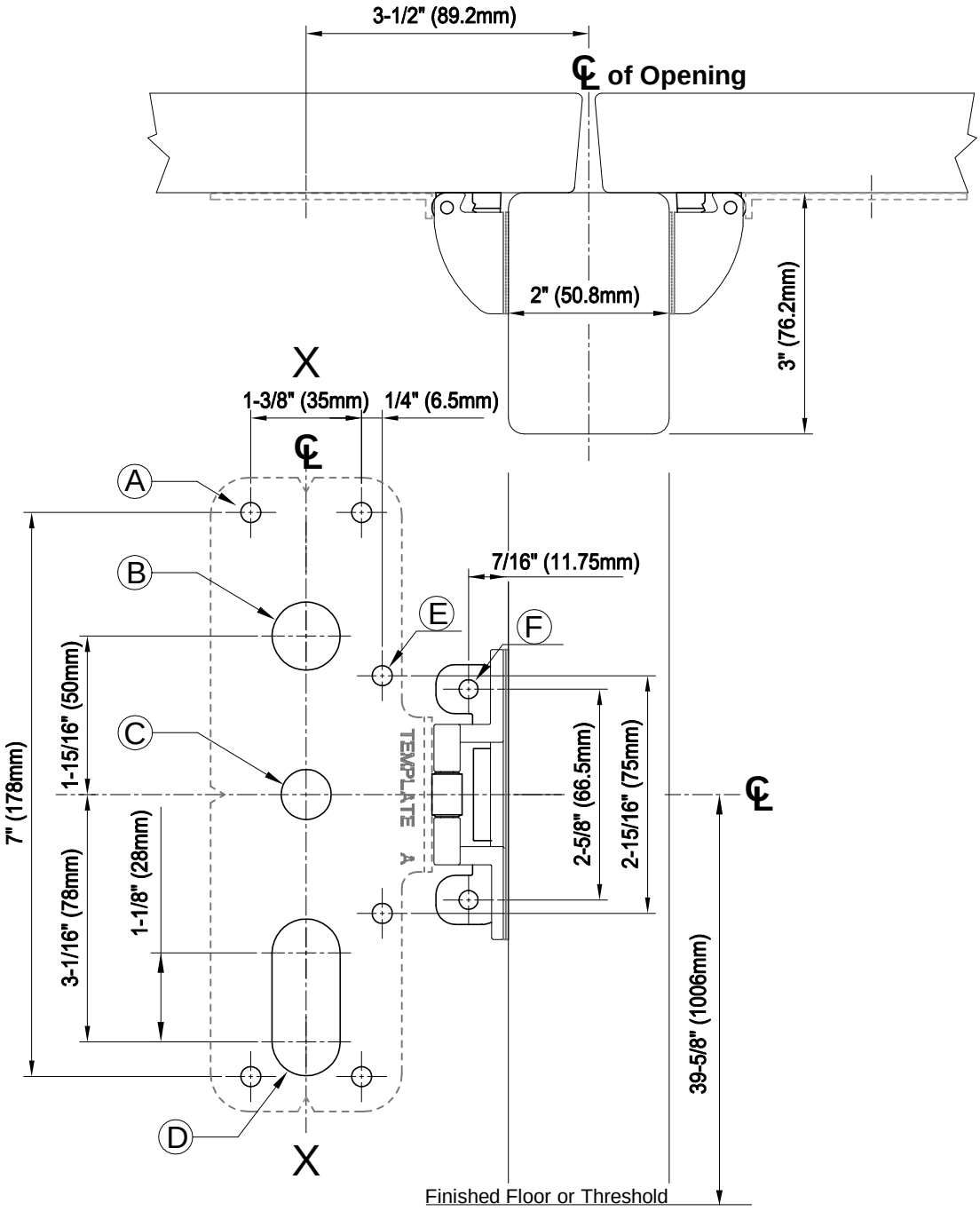
Preparation for RIM/3PT with 136 Strike



NOTATION	ILL.	APPLICATIONS	DIMENSION	
			METAL	WOOD
A	○	EXIT ONLY	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
		SEX BOLT OR TRIM	6 (1/4") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (TRIM SIDE)	
B	◯	DOUBLE CYLINDER	22 (7/8") DRILL (CUT THRU)	
C	◯	OUTSIDE CYLINDER	16 (5/8") DRILL (CUT DEVICE SIDE)	16 (5/8") DRILL (CUT THRU)
D	▯	TRIM WITH WORKING LEVER	22 (7/8") DRILL (CUT DEVICE SIDE ONLY)	
E	○	SUPPORT BRACKET	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
F	○	136 STRIKE	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP

Template

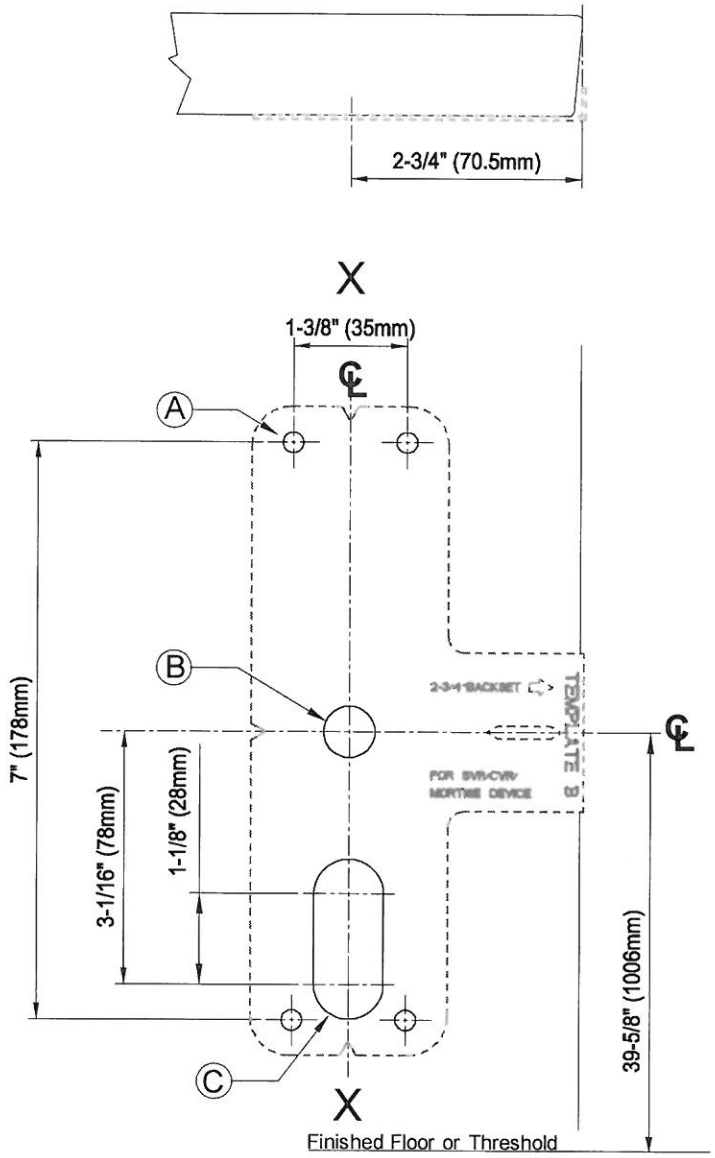
Preparation for RIM/3PT with 108 Strike & Mullion



NOTATION	ILL.	APPLICATIONS	DIMENSION	
			METAL	WOOD
A	○	EXIT ONLY	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
		SEX BOLT OR TRIM	6 (1/4") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (TRIM SIDE)	
B	◯	DOUBLE CYLINDER	22 (7/8") DRILL (CUT THRU)	
C	◯	OUTSIDE CYLINDER	16 (5/8") DRILL (CUT DEVICE SIDE)	16 (5/8") DRILL (CUT THRU)
D	▯	TRIM WITH WORKING LEVER	22 (7/8") DRILL (CUT DEVICE SIDE ONLY)	
E	○	SUPPORT BRACKET	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
F	○	108 STRIKE	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP

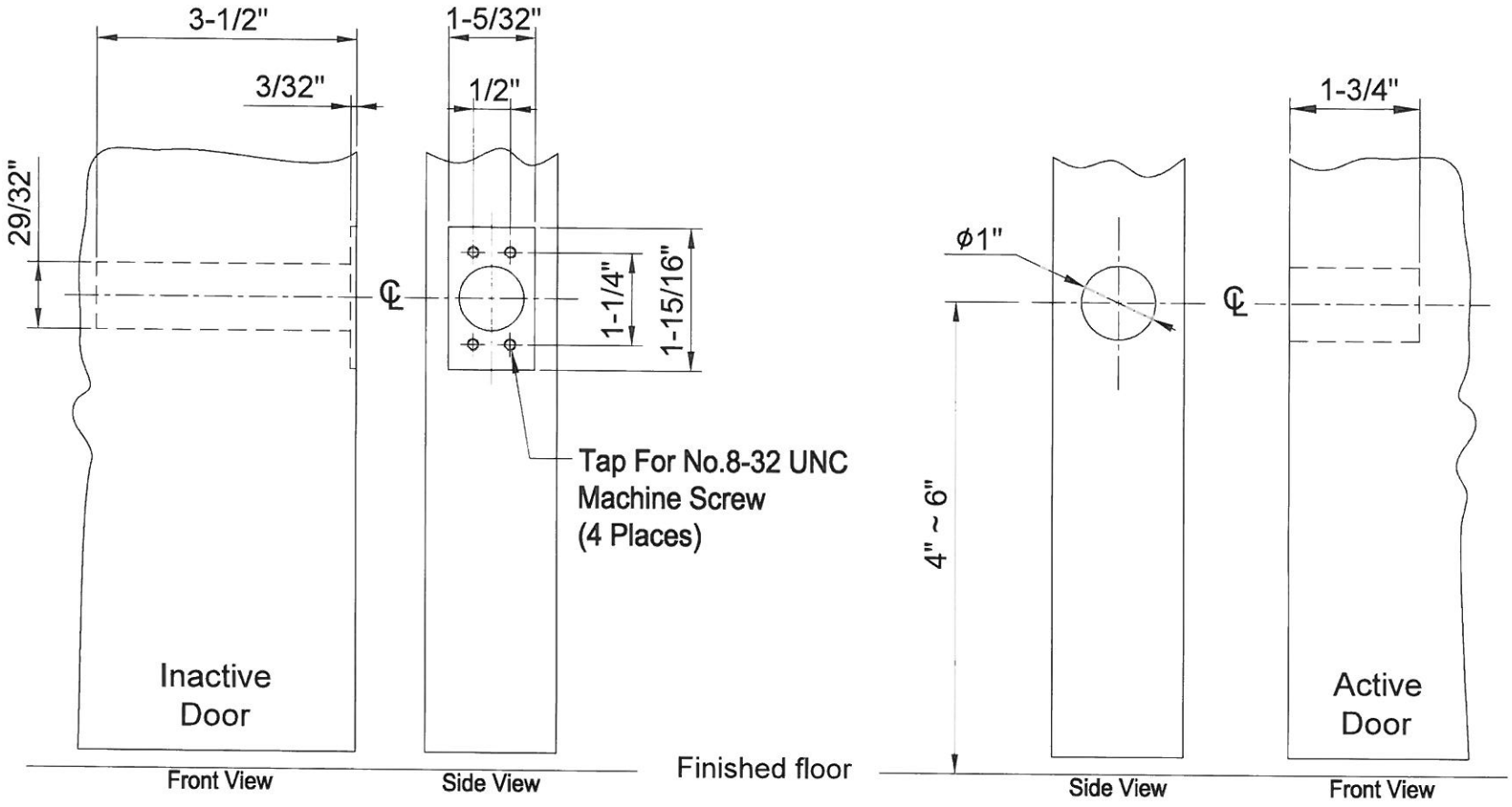
Template Q1200

Preparation for SVR



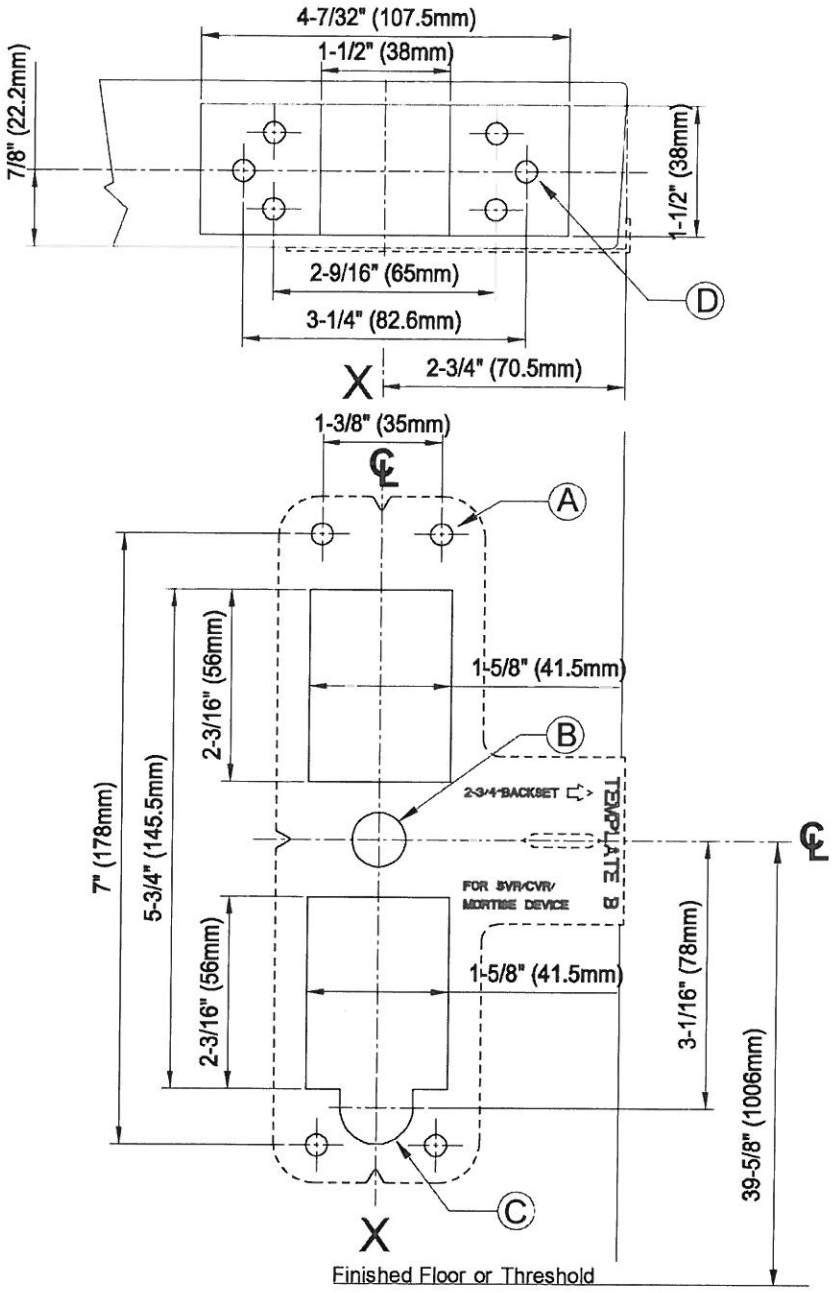
NOTATION	ILL.	APPLICATIONS	DIMENSION	
			METAL	WOOD
A	○	EXIT ONLY	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
		SEX BOLT OR TRIM	6 (1/4") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (TRIM SIDE)	
B	◯	OUTSIDE CYLINDER	16 (5/8") DRILL (CUT DEVICE SIDE)	16 (5/8") DRILL (CUT THRU)
C	▯	TRIM WITH WORKING LEVER	22 (7/8") DRILL (CUT DEVICE SIDE ONLY)	

PREPARATION FOR FIRE BOLT



WD-OD002(465)

Template for Q1300 Series Exit Devices

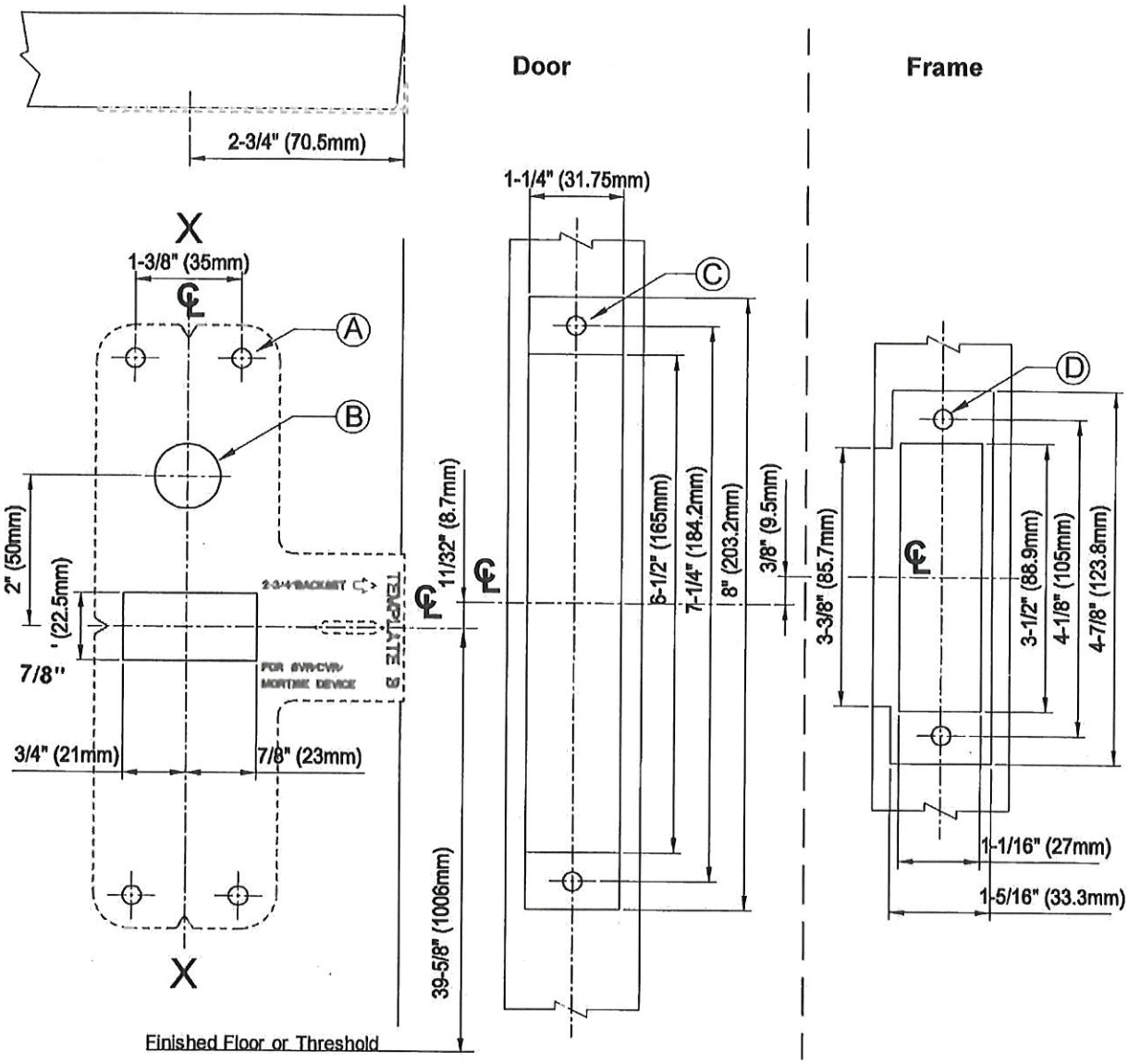


NOTATION	ILL.	APPLICATIONS	DIMENSION	
			METAL	WOOD
A	o	EXIT ONLY	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
		SEX BOLT OR TRIM	6 (1/4") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (TRIM SIDE)	
B	○	OUTSIDE CYLINDER	16 (5/8") DRILL (CUT DEVICE SIDE)	16 (5/8") DRILL (CUT THRU)
C	⌐	TRIM WITH WORKING LEVER	22 (7/8") DRILL (CUT DEVICE SIDE ONLY)	
D	o	TOP & BOTTOM LATCH	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP

Not scale to 1:1

Template Q1400

Preparation for Mortise lock

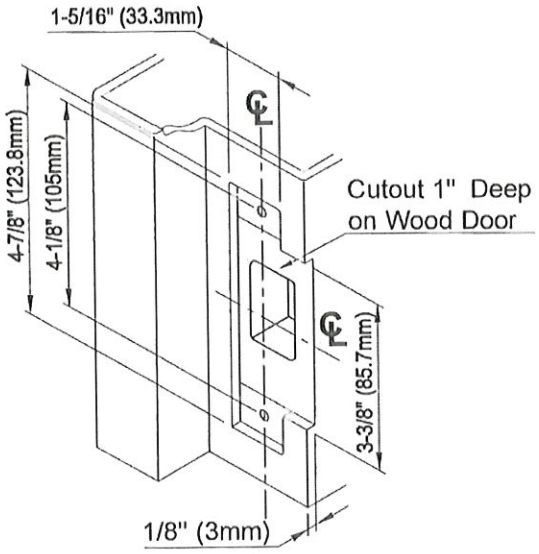


NOTATION	ILL.	APPLICATIONS	DIMENSION	
			METAL	WOOD
A	o	EXIT ONLY	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
		SEX BOLT OR TRIM	6 (1/4") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (TRIM SIDE)	
B	○	DOUBLE CYLINDER	22 (7/8") DRILL (CUT DEVICE SIDE)	
C	o	MORTISE LOCK CASE	#16 DRILL #12-24 TAP	4 (5/32") DRILL PILOT 1" DEEP
D	o	STRIKE	#16 DRILL #12-24 TAP	4 (5/32") DRILL PILOT 1" DEEP

Template

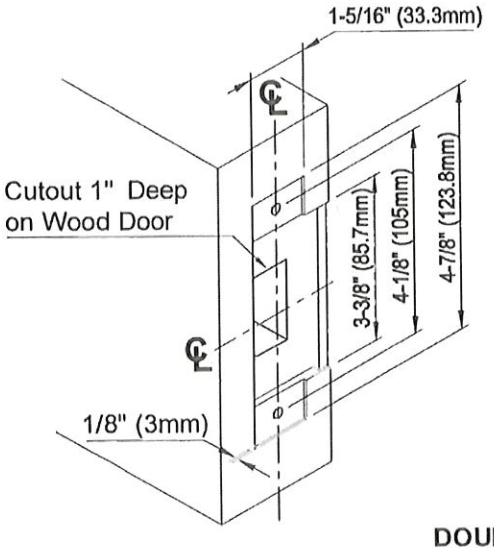
Preparation of Strike for Mortise Lock

306 STRIKE

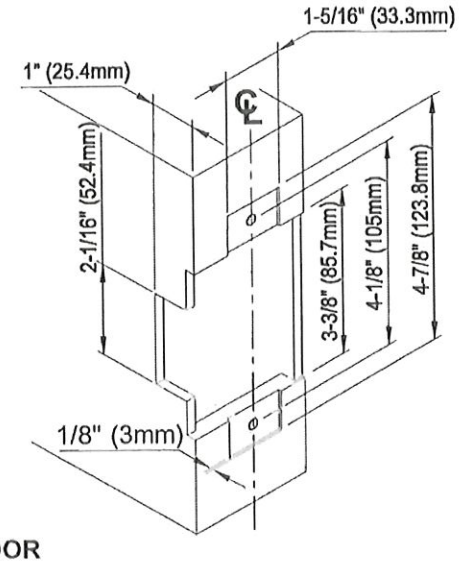


SINGLE DOOR

306/336 STRIKE



337/338 OPEN BACK STRIKE

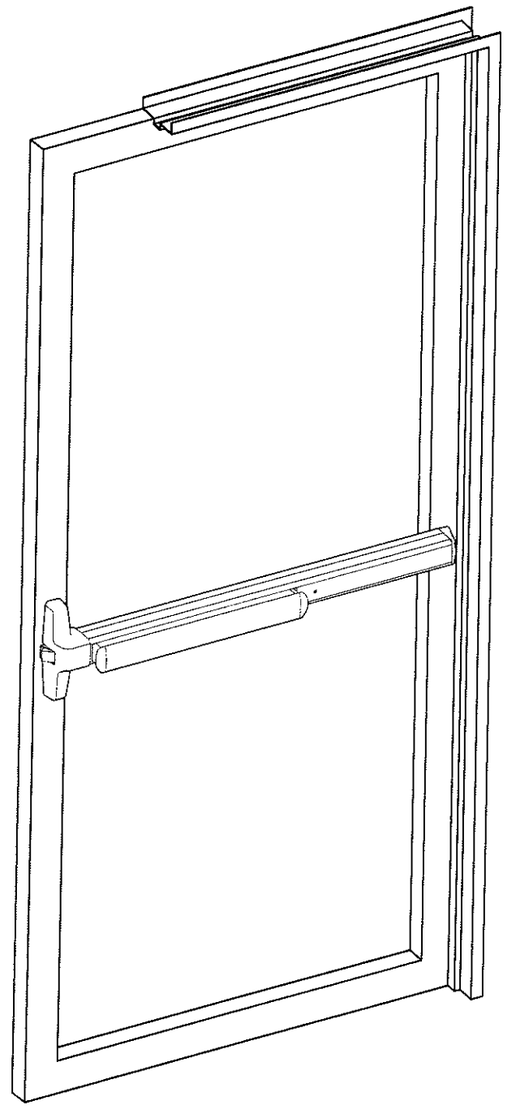


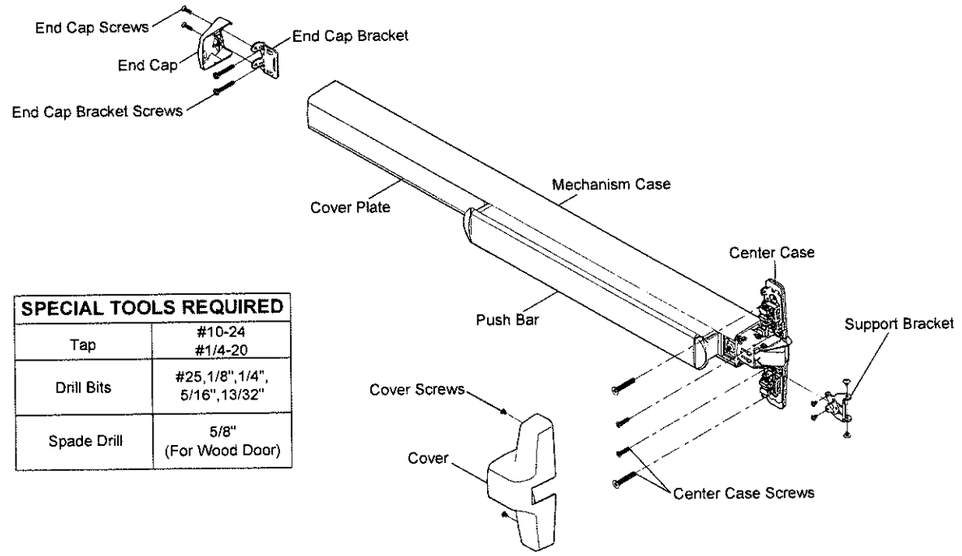
DOUBLE DOOR

ILL.	APPLICATIONS	DIMENSION	
		METAL	WOOD
O	STRIKE SCREWS	#16 DRILL #12-24 TAP	4 (5/32") DRILL PILOT 1" DEEP

2100 /F2100 SERIES
RIM EXIT DEVICE

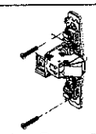
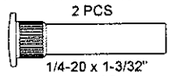
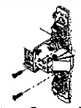
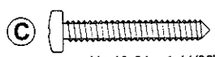
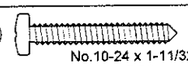
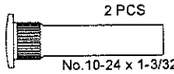
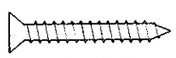
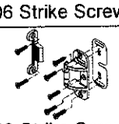
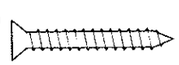
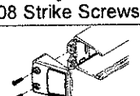
INSTALLATION INSTRUCTIONS



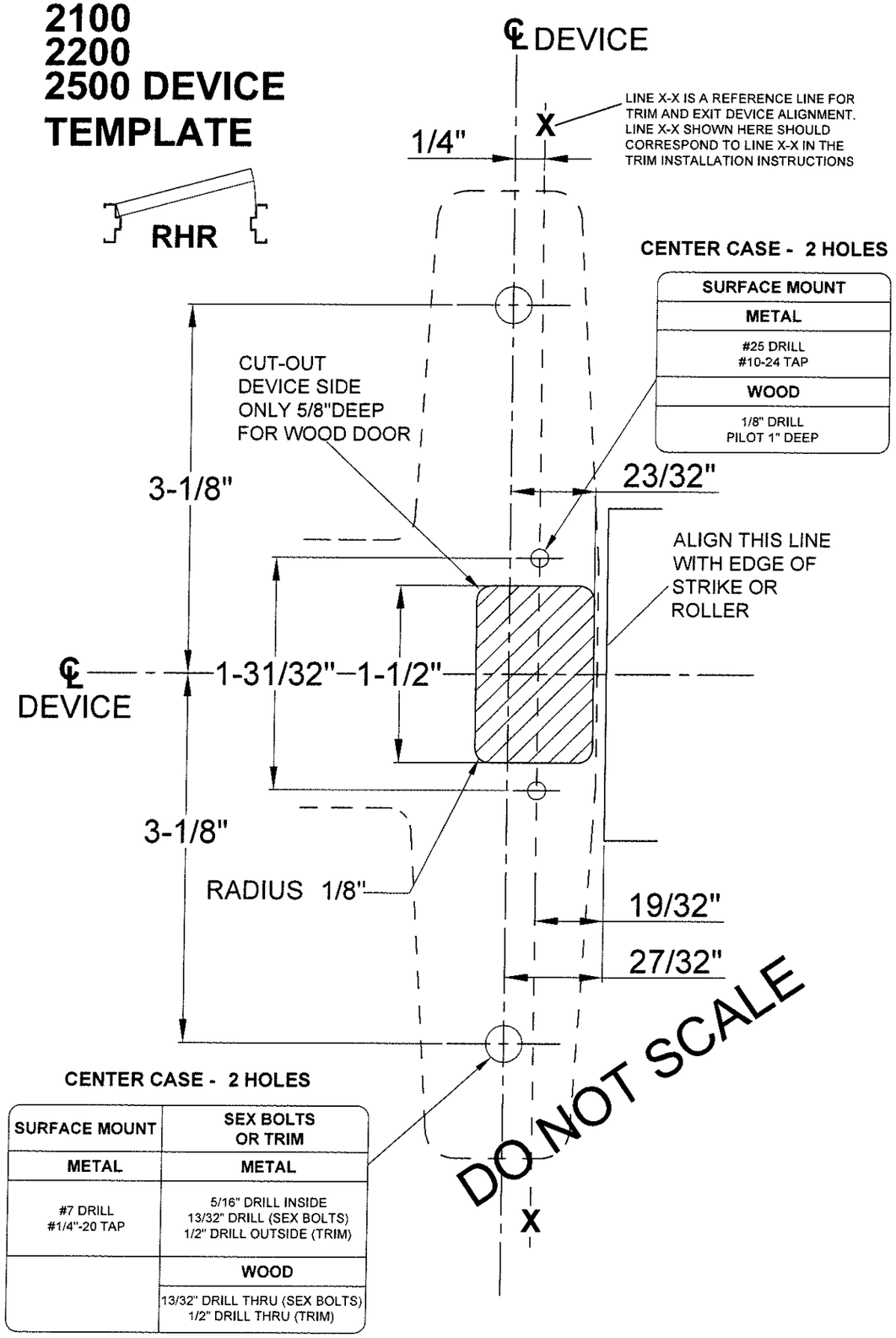


SPECIAL TOOLS REQUIRED	
Tap	#10-24 #1/4-20
Drill Bits	#25,1/8",1/4", 5/16",13/32"
Spade Drill	5/8" (For Wood Door)

SCREW CHART

LOCATION	METAL	SEX BOLTS	WOOD
 Center Case Screws	(F)  1/4-20 x 1-1/8" 2 PCS	(F)  1/4-20 x 1-1/8" 2 PCS (H)  1/4-20 x 1-3/32" 2 PCS	Trim mount or sex bolts
 Center Case Screws	(E)  No.10-24 x 11/16" 2 PCS		(A)  No.10-12 x 1-11/32" 2 PCS
 End Cap Bracket Screws	(C)  No.10-24 x 1-11/32" 2 PCS	(C)  No.10-24 x 1-11/32" 2 PCS (G)  No.10-24 x 1-3/32" 2 PCS	(A)  No.10-12 x 1-11/32" 2 PCS
 103 Strike Screws	(E)  No.10-24 x 11/16" 4 PCS		(B)  No.10-12 x 1-11/32" 4 PCS
 106 Strike Screws	(E)  No.10-24 x 11/16" 3 PCS		(B)  No.10-12 x 1-11/32" 3 PCS
 108 Strike Screws	(E)  No.10-24 x 11/16" 7 PCS		(B)  No.10-12 x 1-11/32" 7 PCS
 End Cap Screws	(J)  No.8-32 x 5/8" 2 PCS		
 Cover Screws	(I)  No.8-32 x 5/32" 2 PCS		

2100
2200
2500 DEVICE TEMPLATE



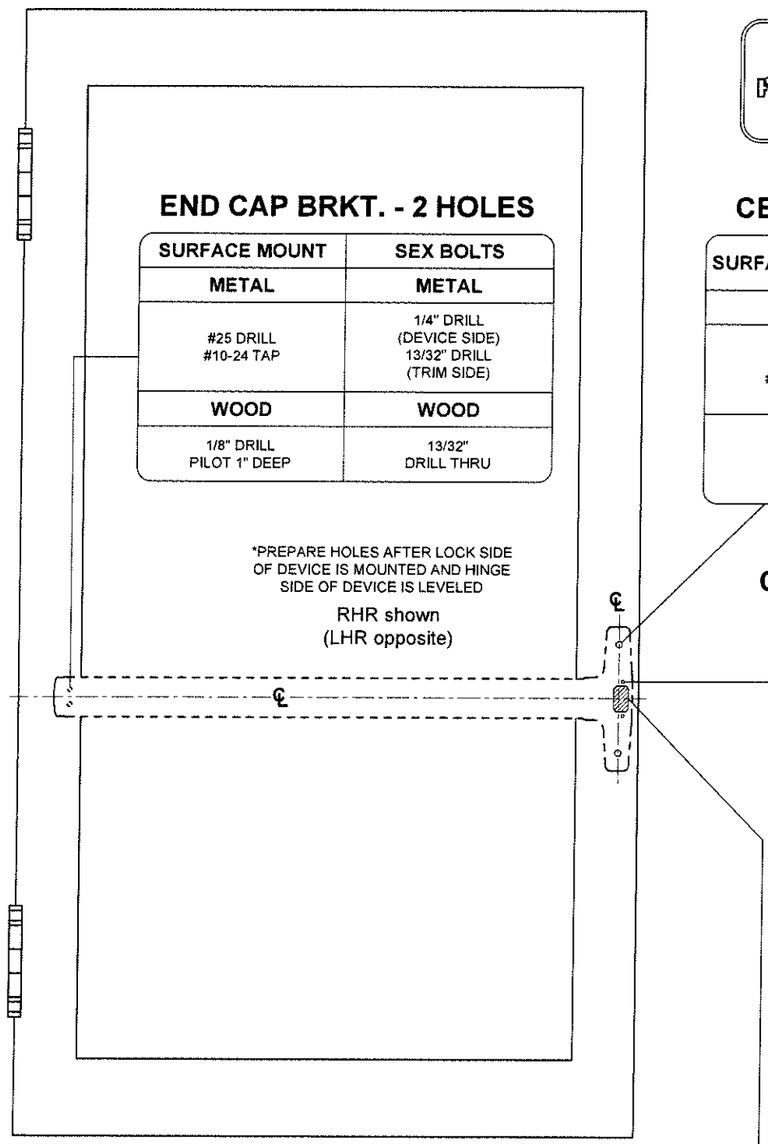
CENTER CASE - 2 HOLES

SURFACE MOUNT
METAL
#25 DRILL #10-24 TAP
WOOD
1/8" DRILL PILOT 1" DEEP

CENTER CASE - 2 HOLES

SURFACE MOUNT	SEX BOLTS OR TRIM
METAL	METAL
#7 DRILL #1/4"-20 TAP	5/16" DRILL INSIDE 13/32" DRILL (SEX BOLTS) 1/2" DRILL OUTSIDE (TRIM)
	WOOD
	13/32" DRILL THRU (SEX BOLTS) 1/2" DRILL THRU (TRIM)

DOOR PREPARATION CHART



END CAP BRKT. - 2 HOLES

SURFACE MOUNT	SEX BOLTS
METAL	METAL
#25 DRILL #10-24 TAP	1/4" DRILL (DEVICE SIDE) 13/32" DRILL (TRIM SIDE)
WOOD	WOOD
1/8" DRILL PILOT 1" DEEP	13/32" DRILL THRU

*PREPARE HOLES AFTER LOCK SIDE OF DEVICE IS MOUNTED AND HINGE SIDE OF DEVICE IS LEVELED

RHR shown
(LHR opposite)

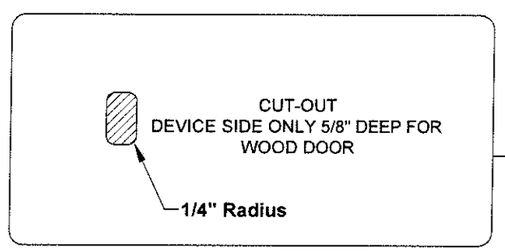
CENTER CASE - 2 HOLES

SURFACE MOUNT	SEX BOLTS OR TRIM
METAL	METAL
#7 DRILL #1/4"-20 TAP	5/16" DRILL INSIDE 13/32" DRILL (SEX BOLTS) 1/2" DRILL OUTSIDE (TRIM)
N/A	WOOD
	13/32" DRILL THRU (SEX BOLTS) 1/2" DRILL THRU (TRIM)

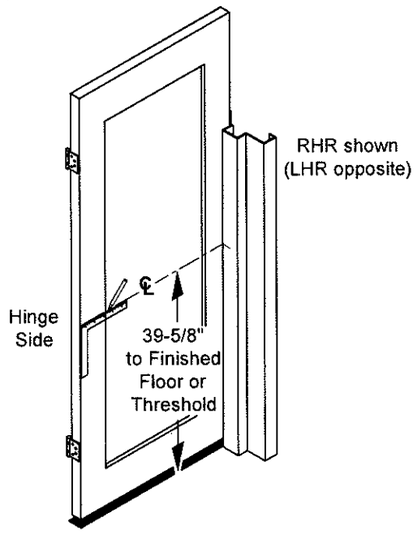
CENTER CASE - 2 HOLES

SURFACE MOUNT
METAL
#25 DRILL #10-24 TAP
WOOD
1/8" DRILL PILOT 1" DEEP

DOOR CUT-OUTS

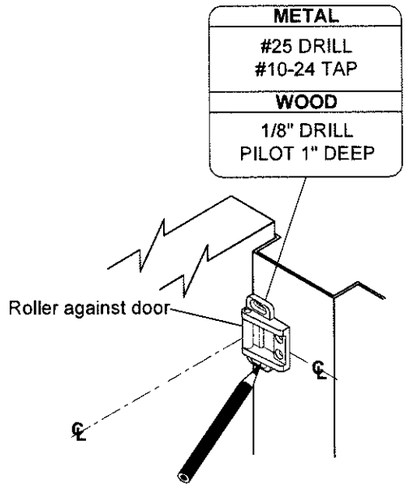


1 DRAW HORIZONTAL DEVICE AND STRIKE CENTERLINE.



Close door, mark horizontal centerline on inner side of door and on door stop. The distance of centerline measured from finished floor should be of 39-5/8". If trim is used, horizontal centerline should be measured on outer side of door as well.

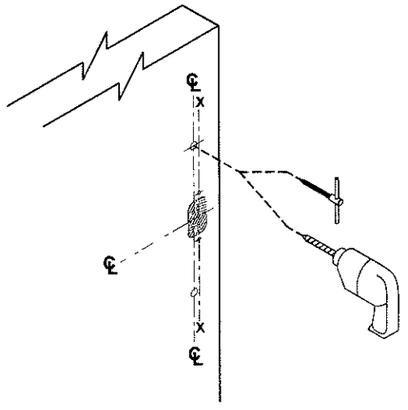
2 ALIGN STRIKE ON HORIZONTAL CENTERLINE (℄) AND MARK TWO(2) SLOTTED HOLES.



Use strike as template and place it against inner side of door and door stop such that strike is aligned both with centerlines on door and on stop. Mark centers and drill / tap holes as required.

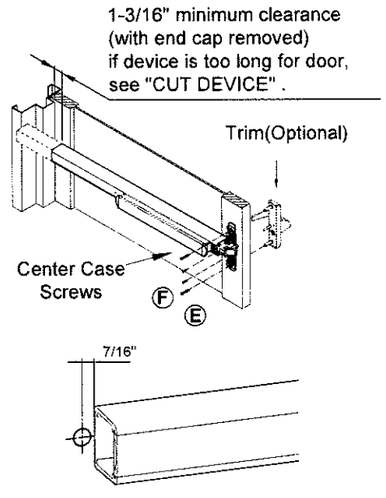
5 PREPARE DOOR FOR DEVICE AND TRIM.

See trim instructions for outside door preparation.
Locate same vertical centerline for both sides.
Be extra careful if edge of door is beveled.
Be sure X-X vertical centerline is parallel to edge of door.



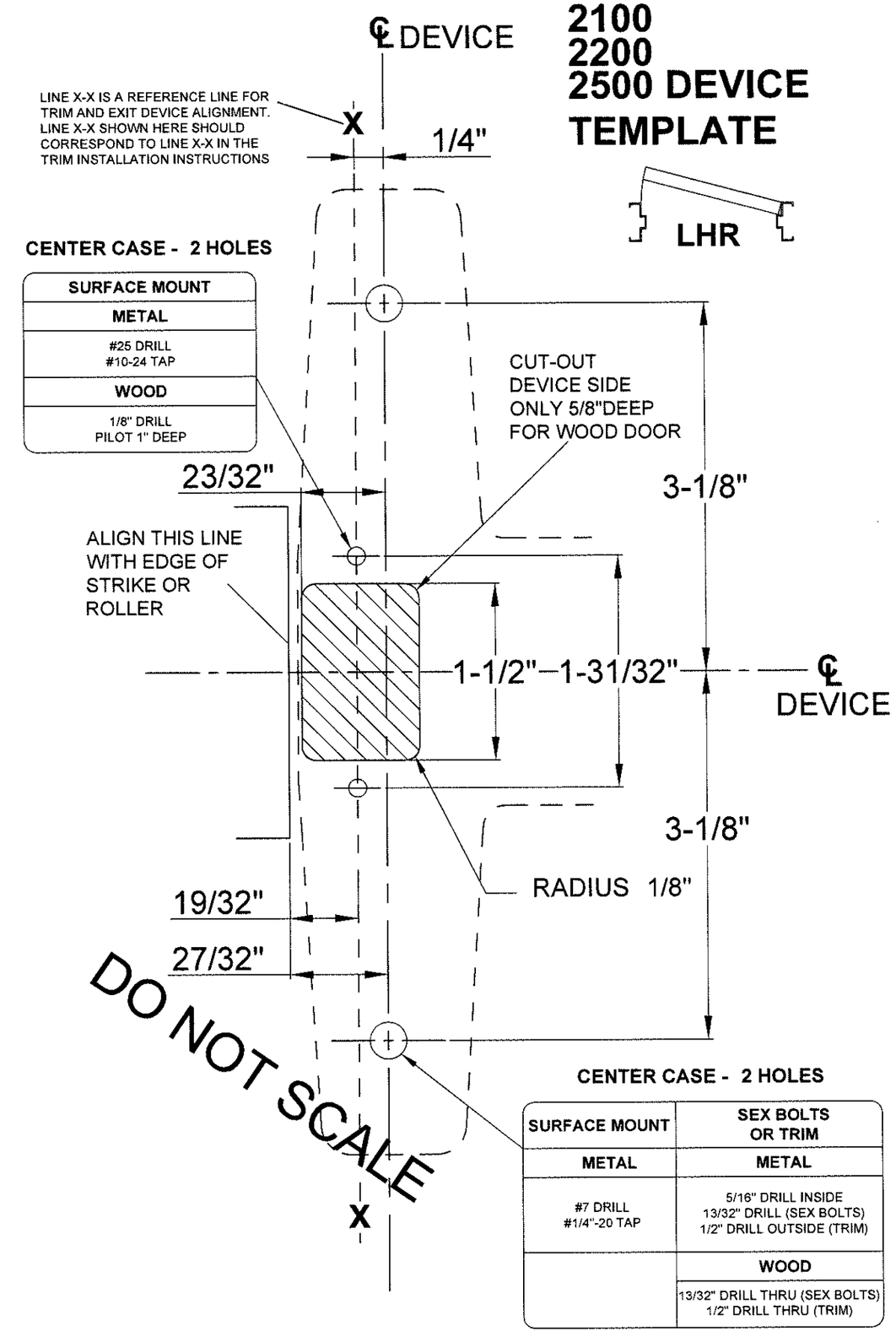
See "DOOR PREPARATION CHART" on page 3 for drill, tap and cut-out information.

6 MEASURE TO DETERMINE LENGTH TO CUT DEVICE



If 5/8" diameter wire access hole has been predrilled in door , cut device 7/16" measured from center of hole.

2100 2200 2500 DEVICE TEMPLATE

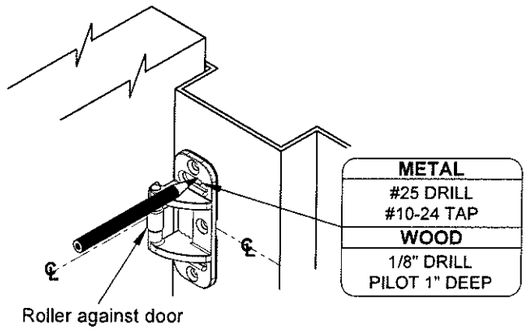


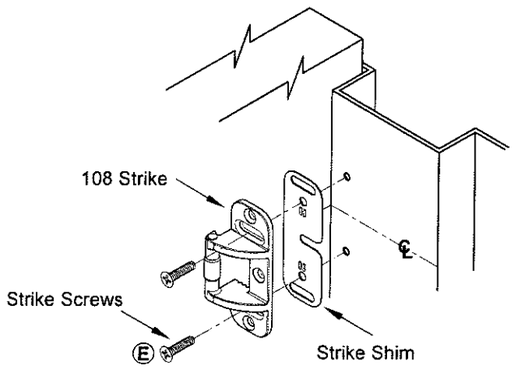
CENTER CASE - 2 HOLES

SURFACE MOUNT	SEX BOLTS OR TRIM
METAL	METAL
#7 DRILL #1/4"-20 TAP	5/16" DRILL INSIDE 13/32" DRILL (SEX BOLTS) 1/2" DRILL OUTSIDE (TRIM)
	WOOD
	13/32" DRILL THRU (SEX BOLTS) 1/2" DRILL THRU (TRIM)

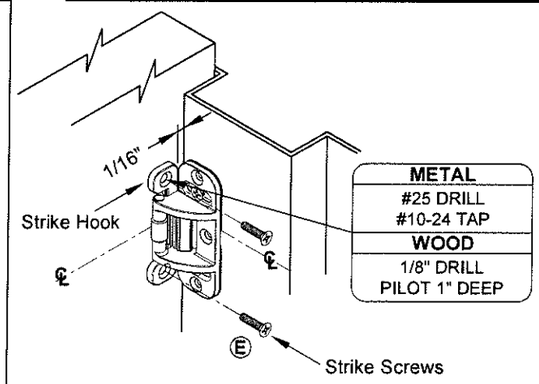
108 STRIKE INSTALLATION

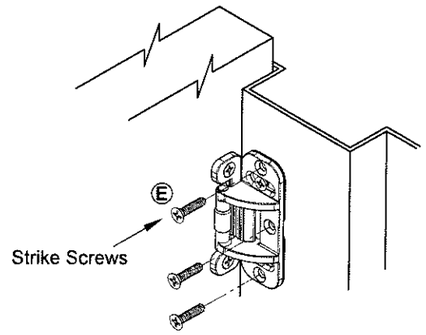
1 PREPARE AND INSTALL SCREWS THROUGH 2 STRIKE SLOTS.



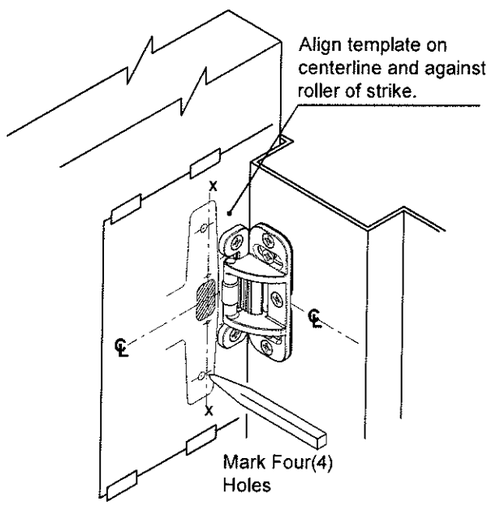


2 INSTALL STRIKE HOOK AND ADDITIONAL STRIKE SCREWS.

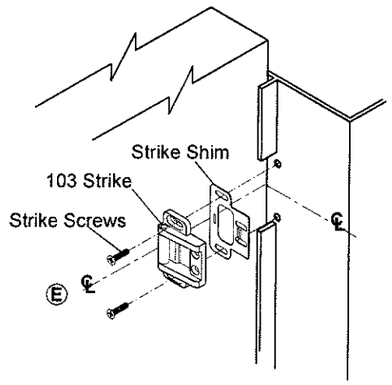




3 TEMPLATE ALIGNS AS SHOWN.



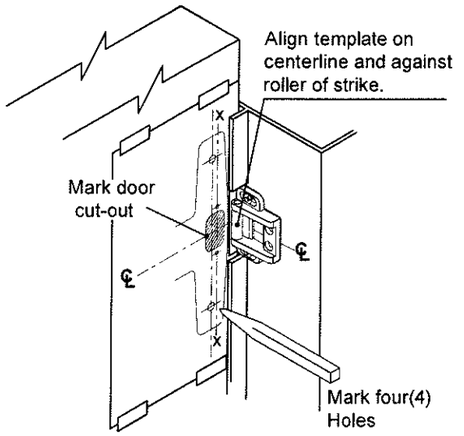
3 INSTALL STRIKE AND SHIM.



Prepare two(2) holes and install a screw through each slot.

For 106 and 108 strikes, refer to page 7 and page 8 of this instruction manual.

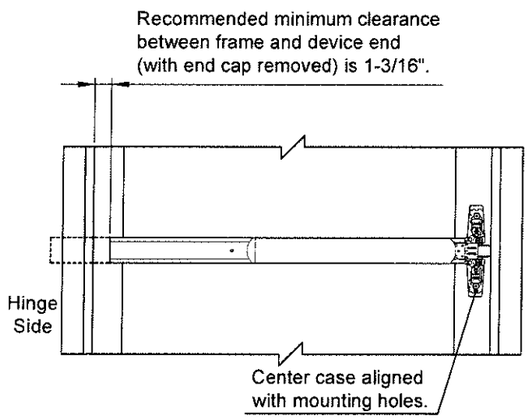
4 POSITION TEMPLATE AGAINST STRIKE AND ON ℄ AND MARK DOOR.

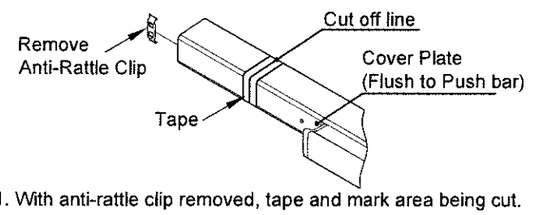


Paper Template (Page 9 and 10)

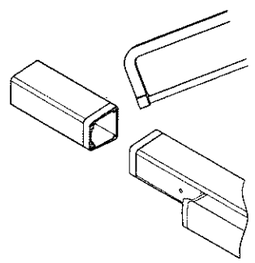
Position and tape template (and trim template if trim is used), making sure the centerlines of the template and door are aligned, as show in above figure. Mark centers and drill / tap the required holes as indicated on the template.

7 CUT DEVICE (IF REQUIRED)

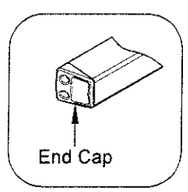




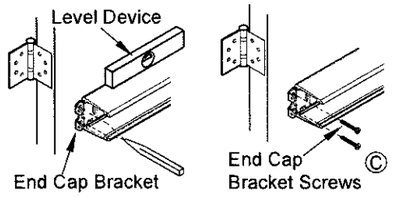
1. With anti-rattle clip removed, tape and mark area being cut.



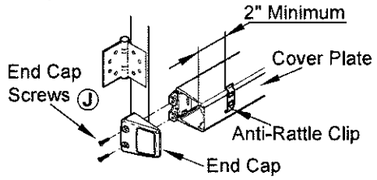
2. Cut off device and deburr.
NOTE: Device must be cut square for proper end cap fit.



8 INSTALL MOUNTING BRACKET AND END CAP.

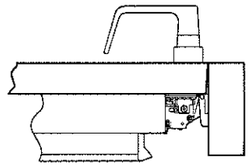


1. Remove cover plate, insert end cap bracket into push bar assembly against mechanism case. Level device, mark and drill two(2) holes for Bracket Screws. Fasten end cap bracket screws to door.

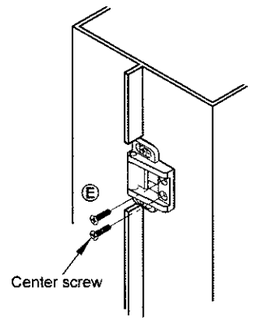


2. Insert cover plate, slide anti-rattle clip in position (2" minimum from end), and attach end cap with two(2) end cap screws.

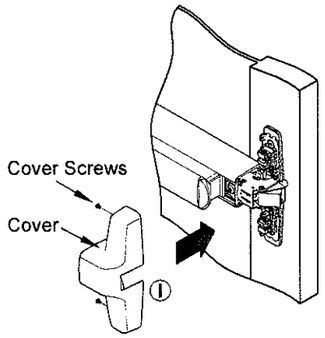
9 ADJUST AND SECURE STRIKE.



Fasten strike to frame and adjust strike so that the device latches tightly without binding, apply center screw once adjustment is complete.



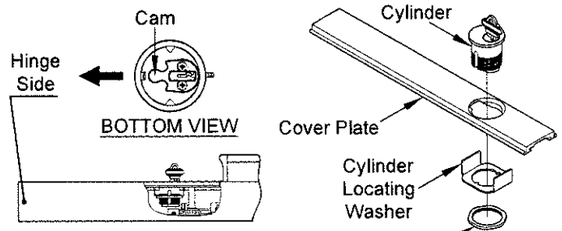
10 INSTALL COVER.



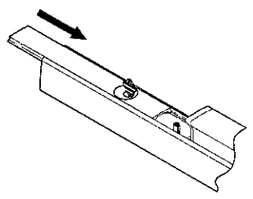
Attach cover to center case with two(2) center case screws.

OPTIONAL DOGGING

CYLINDER DOGGING

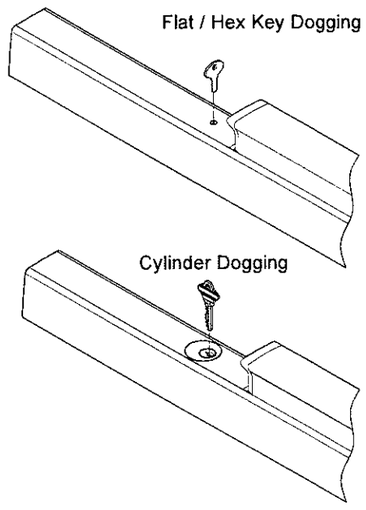


Install cylinder to the cover plate with cam facing towards hinge.



Slide cover plate in position in the mechanism case.

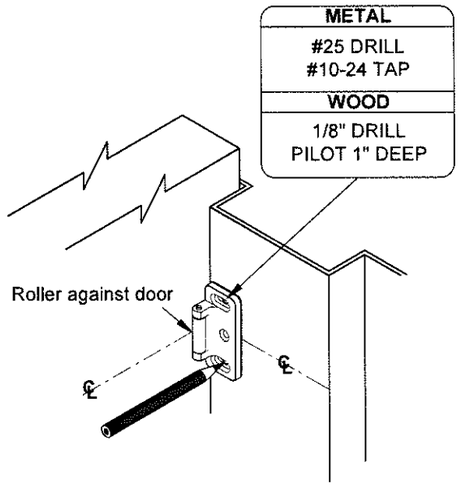
DOGGING CHECK



Depress push bar and turn flat / hex wrench or key one full turn for dogging check.

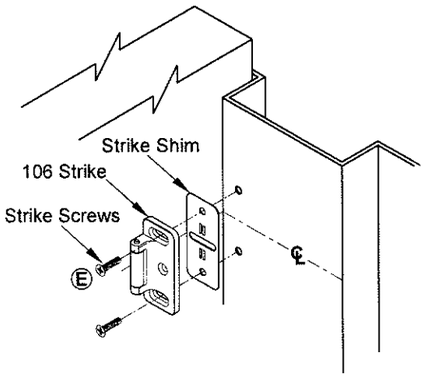
106 STRIKE INSTALLATION

1 ALIGN STRIKE ON HORIZONTAL CENTERLINE (℄) AND MARK TWO(2) SLOTTED HOLES.



Use strike as template and place on door stop and against inside face of door, so the horizontal centerline on strike lines up with the horizontal centerline on door stop and door. Mark centers and drill / tap holes as required.

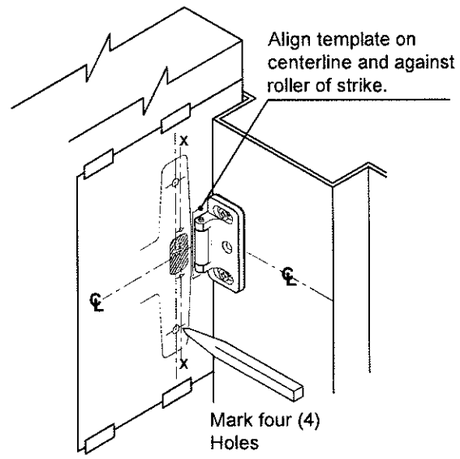
2 INSTALL STRIKE AND SHIM.



Prepare two(2) holes and install a screw through each slot.

For 108 strike see back cover of this page.

3 TEMPLATE ALIGNS AS SHOW



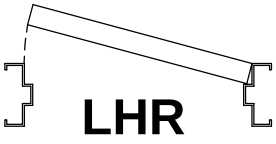
2100
2200
2500 DEVICE TEMPLATE

RHR

CENTER CASE - 2 HOLES

SURFACE MOUNT	SEX BOLTS OR TRIM
METAL	**METAL**
#7 DRILL #1/4"-20 TAP	5/16" DRILL INSIDE 13/32" DRILL (SEX BOLTS) 1/2" DRILL OUTSIDE (TRIM)
	WOOD
	13/32" DRILL THRU (SEX BOLTS) 1/2" DRILL THRU (TRIM)

2100
2200
2500 DEVICE TEMPLATE



LHR

℄ DEVICE

LINE X-X IS A REFERENCE LINE FOR TRIM AND EXIT DEVICE ALIGNMENT. LINE X-X SHOWN HERE SHOULD CORRESPOND TO LINE X-X IN THE TRIM INSTALLATION INSTRUCTIONS

X

1/4"

CENTER CASE - 2 HOLES

SURFACE MOUNT
METAL
#25 DRILL #10-24 TAP
WOOD
1/8" DRILL PILOT 1" DEEP

CUT-OUT
DEVICE SIDE
ONLY 5/8"DEEP
FOR WOOD DOOR

23/32"

3-1/8"

ALIGN THIS LINE
WITH EDGE OF
STRIKE OR
ROLLER

1-1/2"

1-31/32"

℄ DEVICE

1"

3-1/8"

RADIUS 1/8"

19/32"

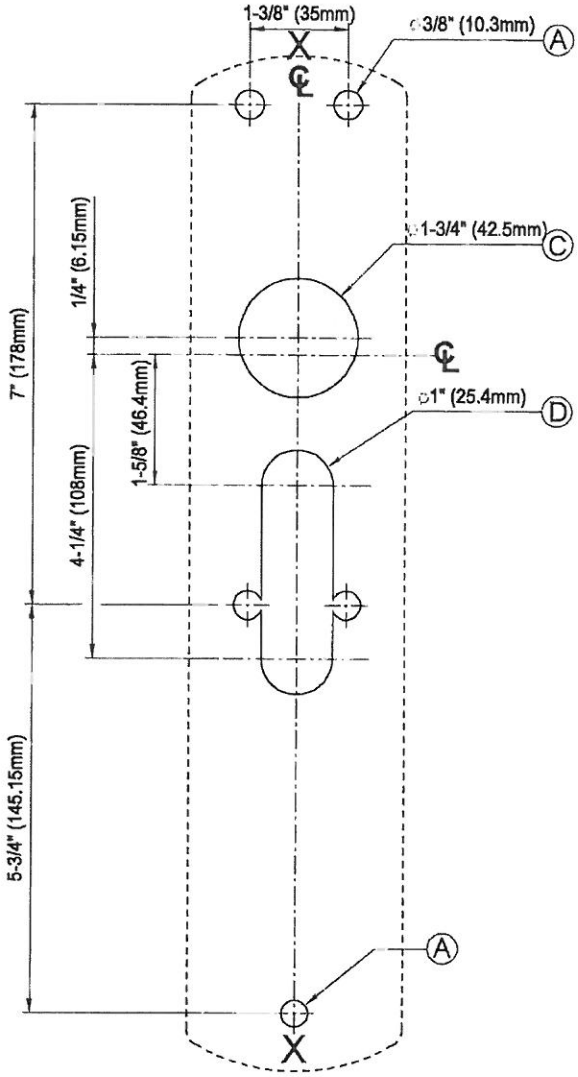
27/32"

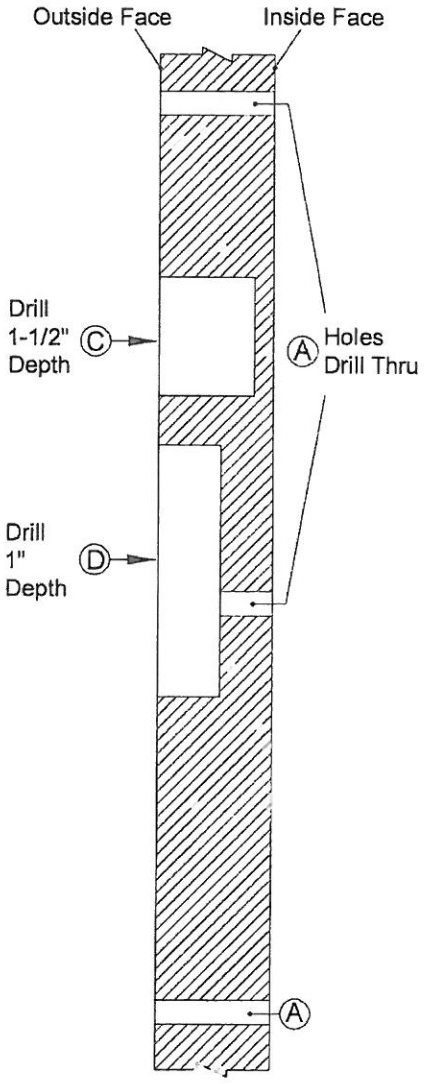
X

CENTER CASE - 2 HOLES

SURFACE MOUNT	SEX BOLTS OR TRIM
METAL	METAL
#7 DRILL #1/4"-20 TAP	5/16" DRILL INSIDE 13/32" DRILL (SEX BOLTS) 1/2" DRILL OUTSIDE (TRIM)
	WOOD
	13/32" DRILL THRU (SEX BOLTS) 1/2" DRILL THRU (TRIM)

Template for Q200 Trims for Q1100/1200/1300 Series Exit Devices



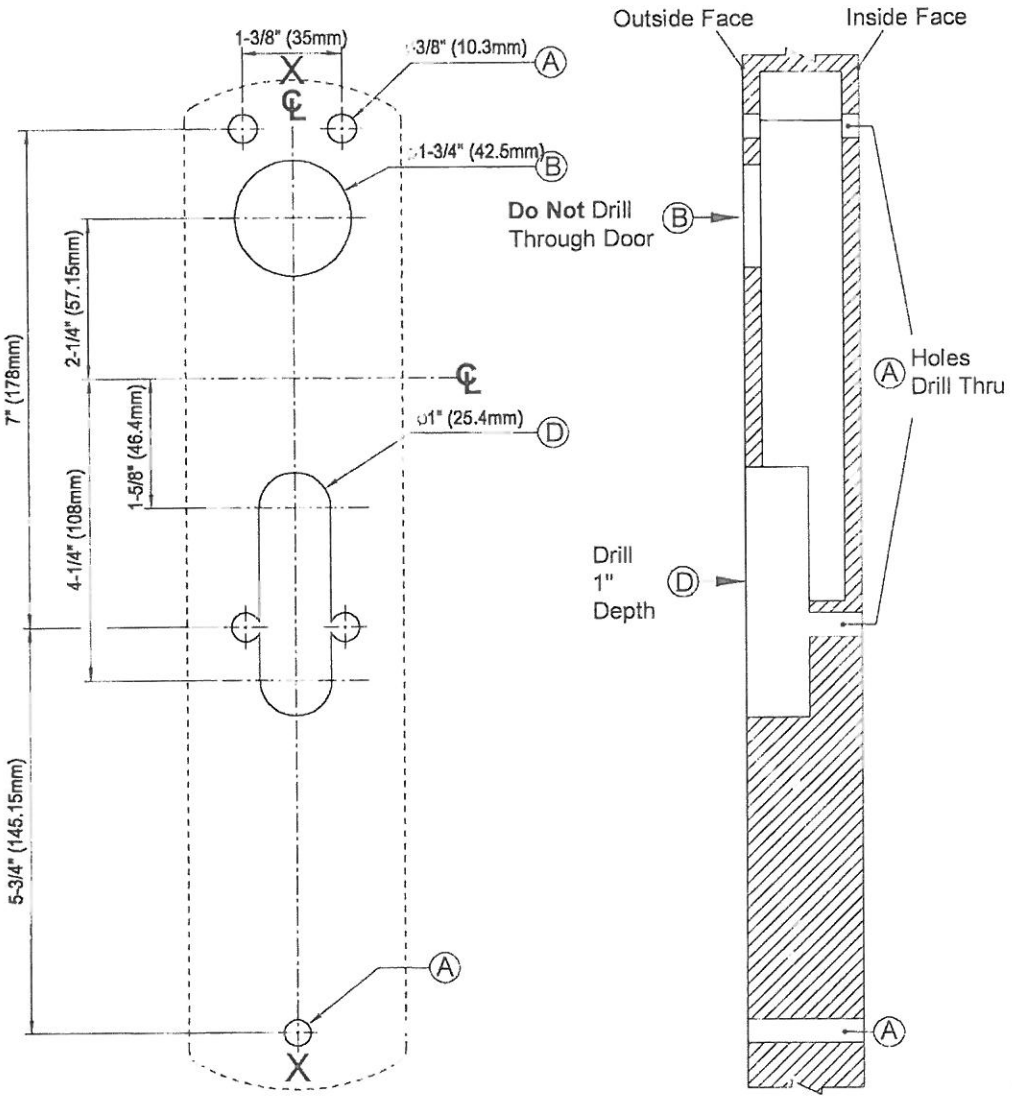


DEVICE TYPE	RIM AND VERTICAL ROD			
CUT OUT ILLUSTRATION				
DESCRIPTION	201/202	203R	205R	215R
FUNCTION	01/02	03	05	15
PREPARATION	A	A+C	A+C+D	A+D

Not scale to 1:1

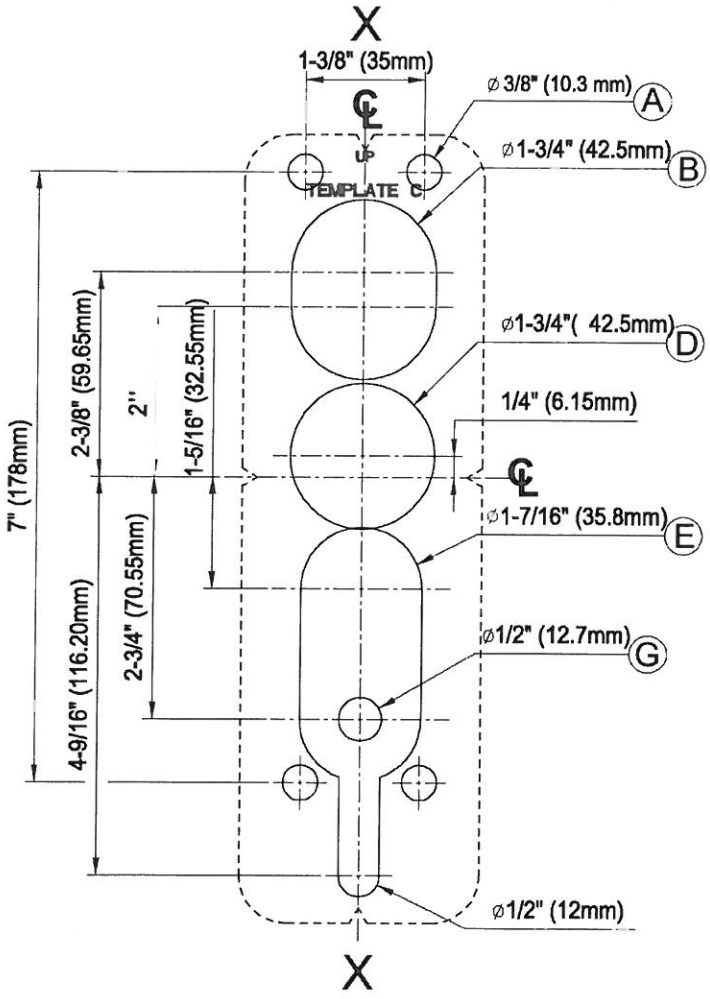
Template

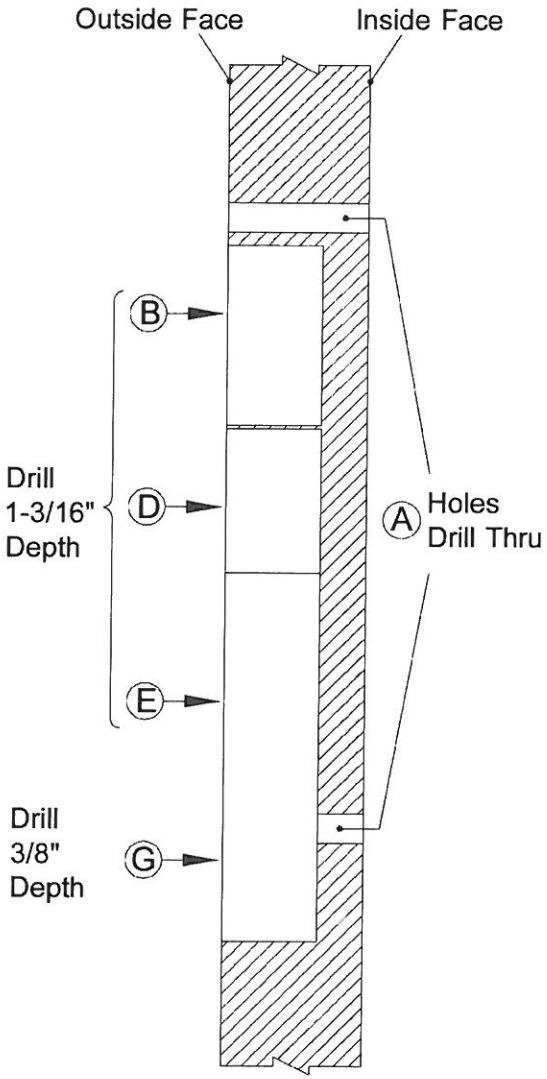
Preparation of 200 Series Trim for Mortise Lock



DEVICE TYPE	MORTISE LOCK		
CUT OUT ILLUSTRATION			
DESCRIPTION	203M	205M	215M
FUNCTION	03	05	15
PREPARATION	A+B	A+B+D	A+D

Template for Q300 Series Trims for Q1100/Q1200/Q1300 Series Exit Devices

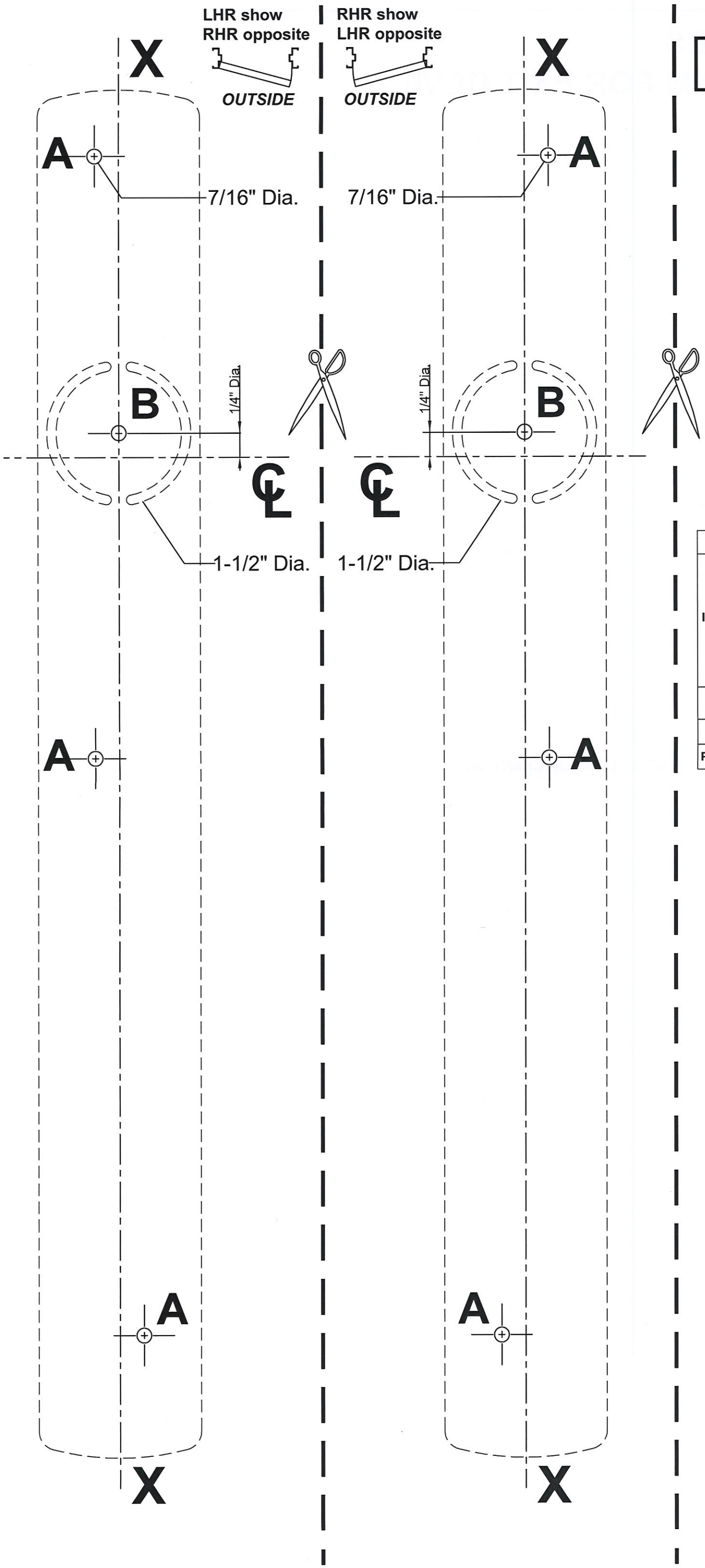


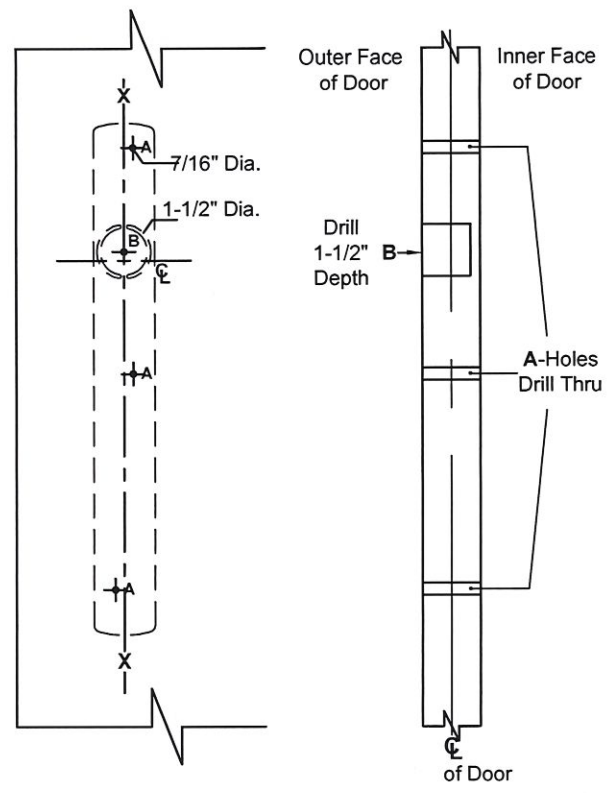


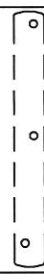
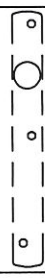
DEVICE TYPE	RIM AND VERTICAL ROD			
CUT OUT ILLUSTRATION				
DESCRIPTION	302	308R	309R	314R
FUNCTION	02	08	09	14
PREPARATION	A+G	A+B+E	A+D+G	A+E

Not scale to 1:1

DOOR PREPARATION



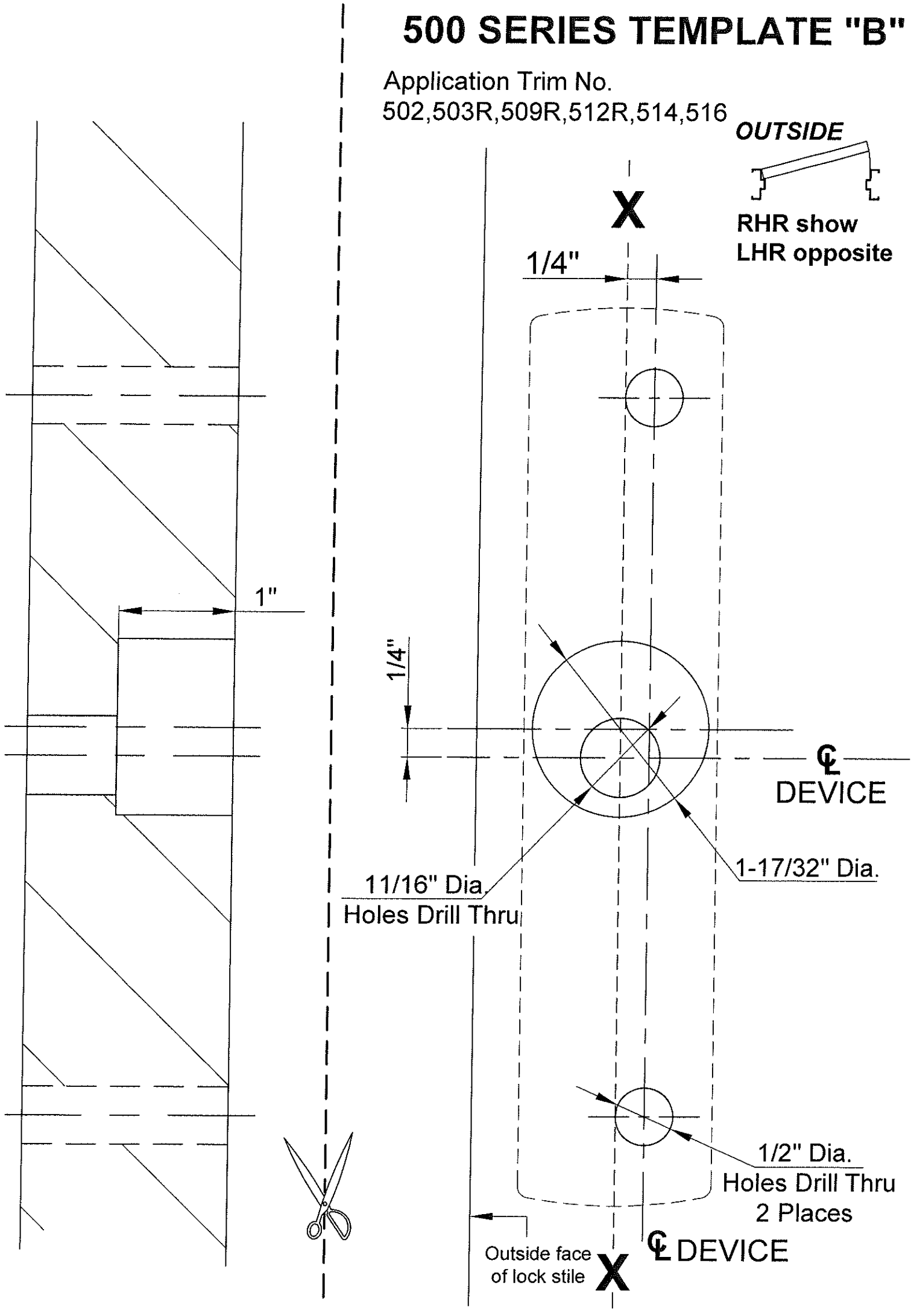


FOR RIM AND VERTICAL ROD APPLICATION			
CUT OUT ILLUSTRATION			
TRIM DESCRIPTION	401	402	403
FUNCTION	01	02	03
PREPARATION	A	A	A+B

WD-OD002(458)

500 SERIES TEMPLATE "B"

Application Trim No.
502,503R,509R,512R,514,516



500 SERIES TEMPLATE " B"

Application Trim No.
502,503R,509R,512R,514,516

LHR show
RHR opposite

X

1/4"

1/4"

℄ DEVICE

1-17/32" Dia.

11/16" Dia.
Holes Drill Thru

1/2" Dia.
Holes Drill Thru
2 Places

℄ DEVICE

X

Outside face
of lock stile

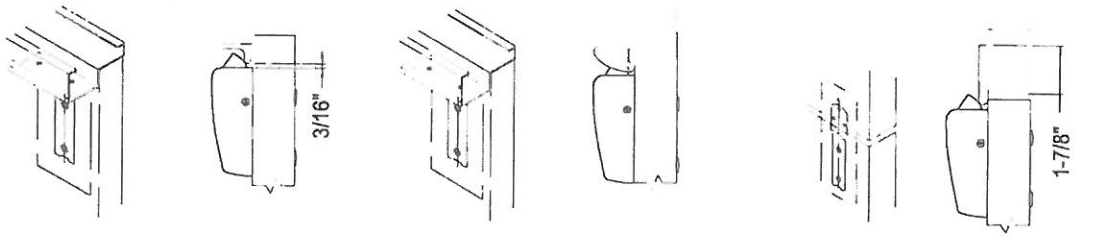
1"

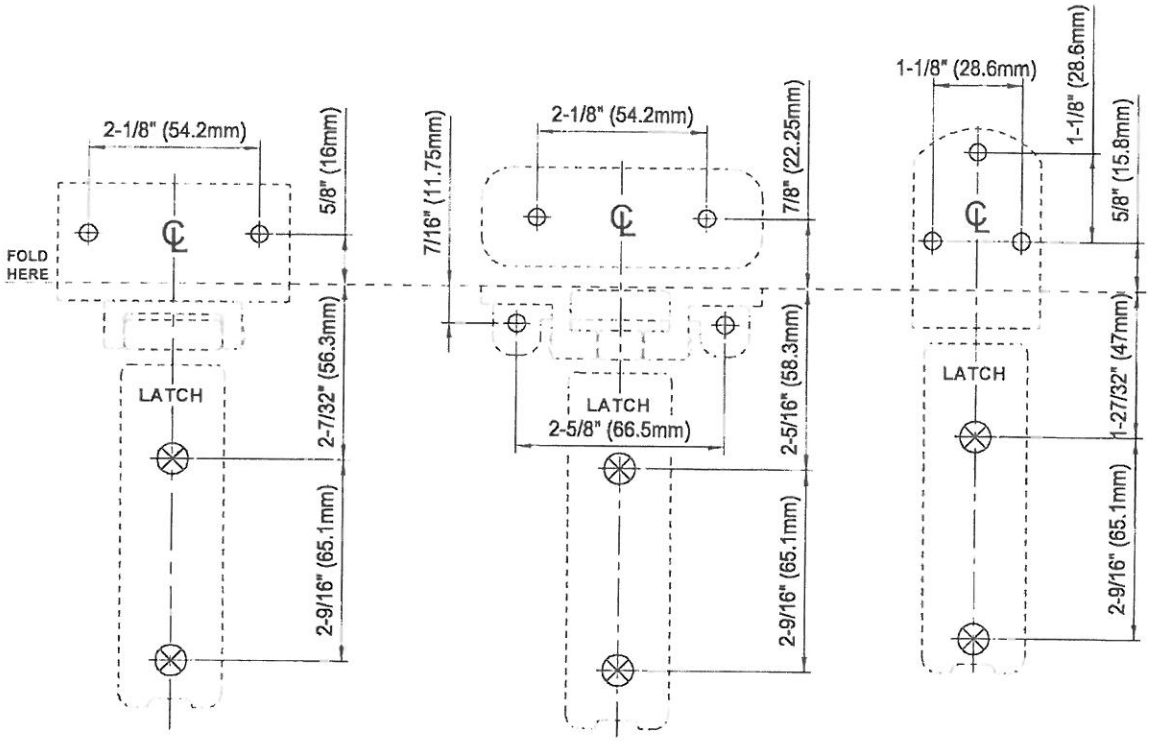
WD-OD002(556)

Template

Preparation of Top Latch for SVR/3-PT

TOP LATCH & 106 STRIKE **TOP LATCH & 108 STRIKE** **TOP LATCH & 215 STRIKE**



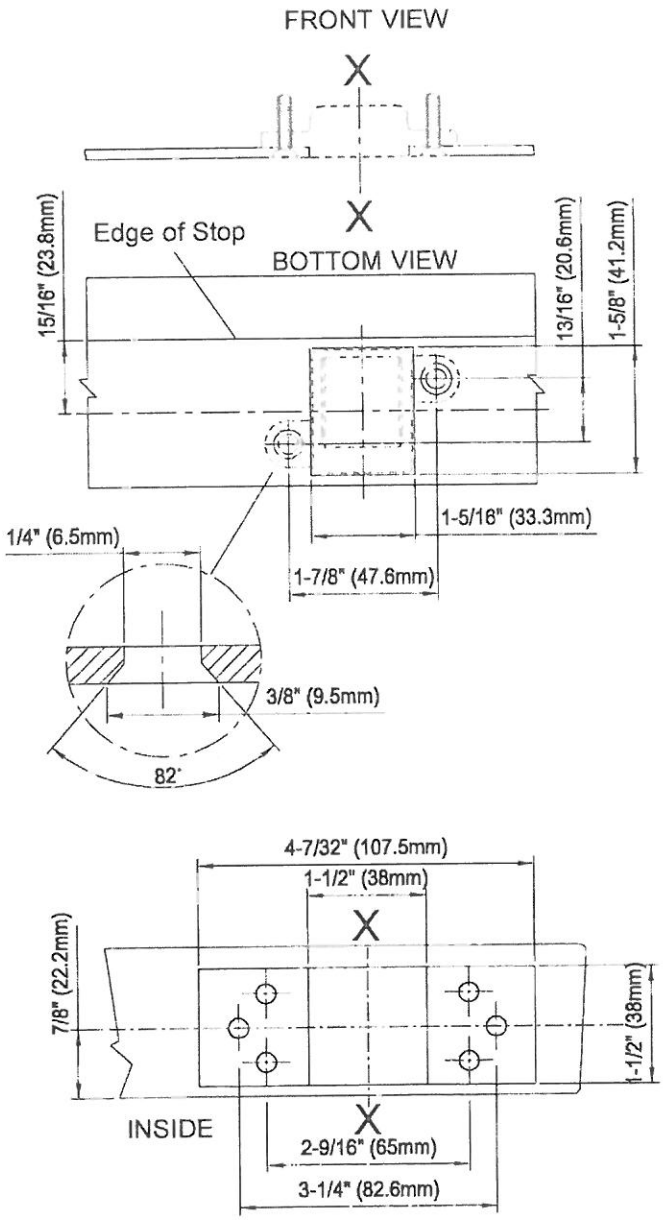


ILL.	APPLICATIONS	DIMENSION	
		METAL	WOOD
○	STRIKE SCREWS	#25 DRILL #10-24 TAP	3 (1/8') DRILL PILOT 1" DEEP
⊗	SEX BOLT	8 (5/16") DRILL (DEVICE SIDE) 10 3 (13/32") DRILL (OUTSIDE)	

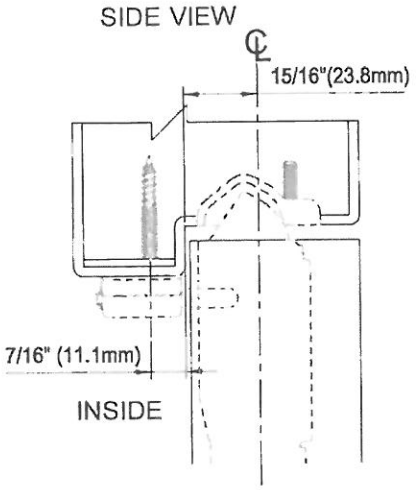
Template

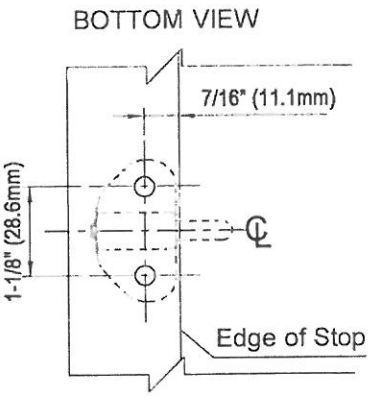
Preparation of Top Latch for CVR

TOP LATCH & 216 STRIKE



RELEASE PLUNGER

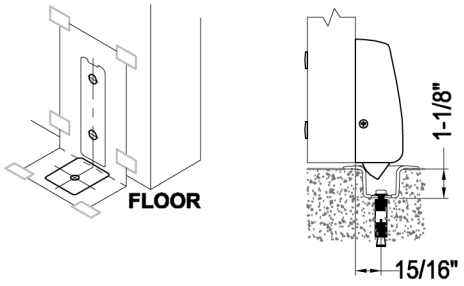




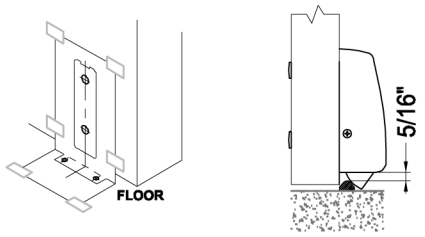
ILL.	APPLICATIONS	DIMENSION	
		METAL	WOOD
O	LATCH & RELEASE PLUNGER	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP

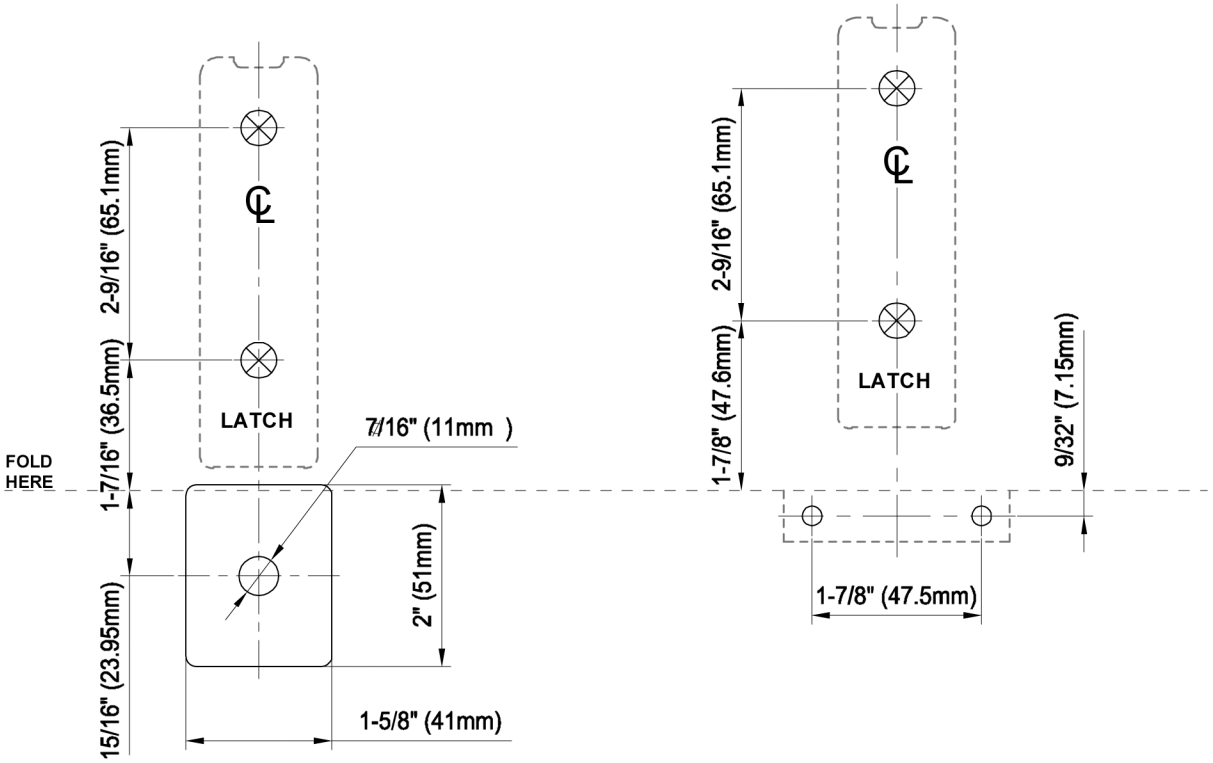
Template For 224 & 227 Bottom Latches for Q1200/Q1300/Q1500 Series Exit Devices

BOTTOM LATCH & 227 STRIKE



BOTTOM LATCH & 224 STRIKE





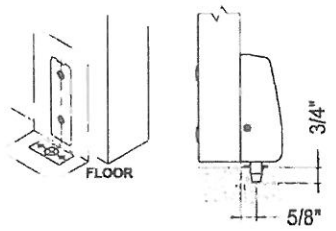
ILL.	APPLICATIONS	DIMENSION	
		METAL	WOOD
○	STRIKE SCREWS	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
⊗	SEX BOLT	8 (5/16") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (OUTSIDE)	

Not scale to 1:1

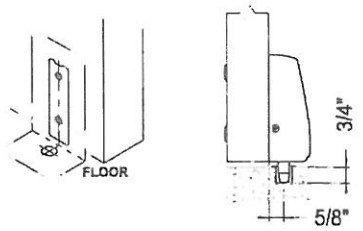
Template

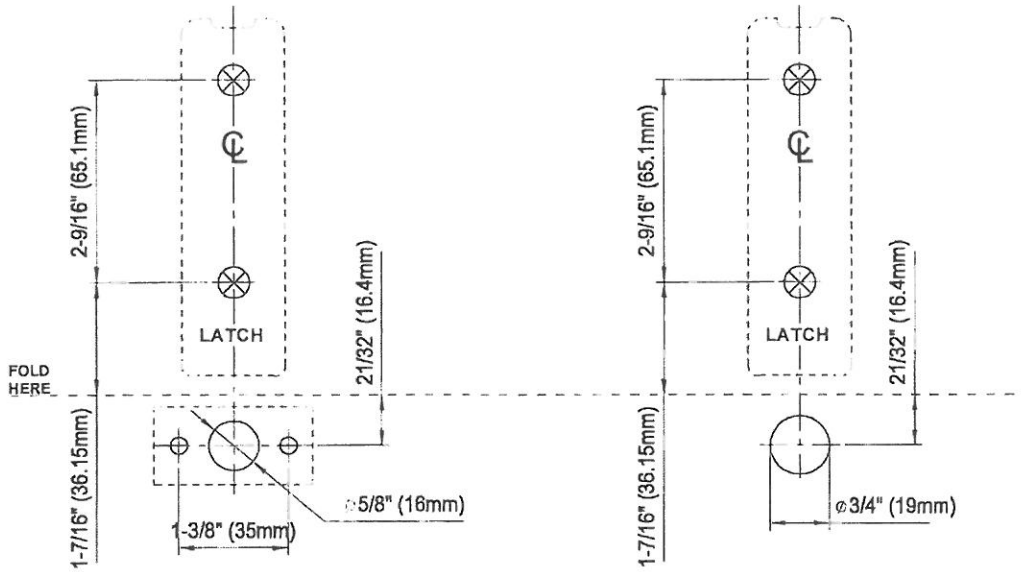
Preparation of Bottom Latch for SVR /CVR /3-PT

BOTTOM LATCH & 225 STRIKE

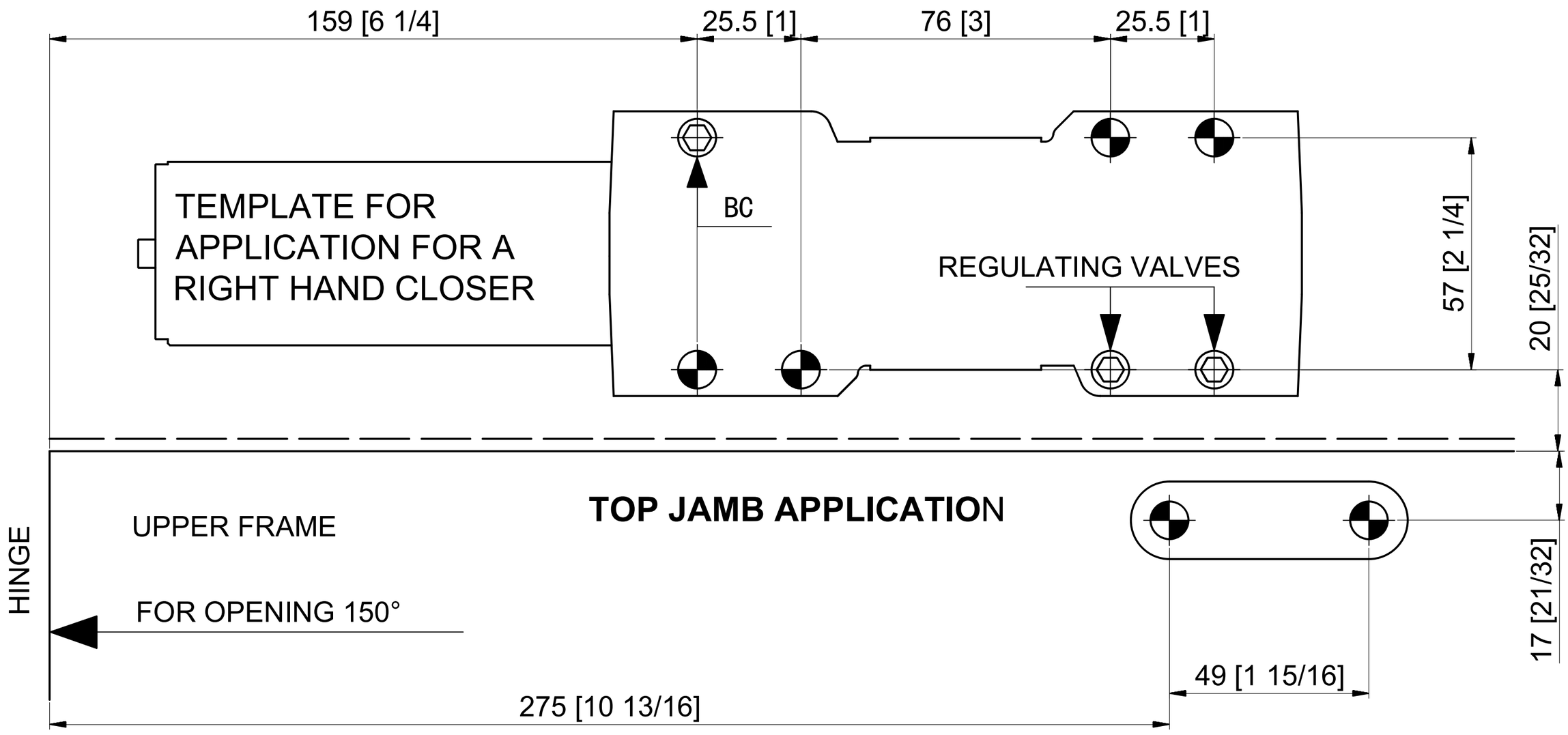


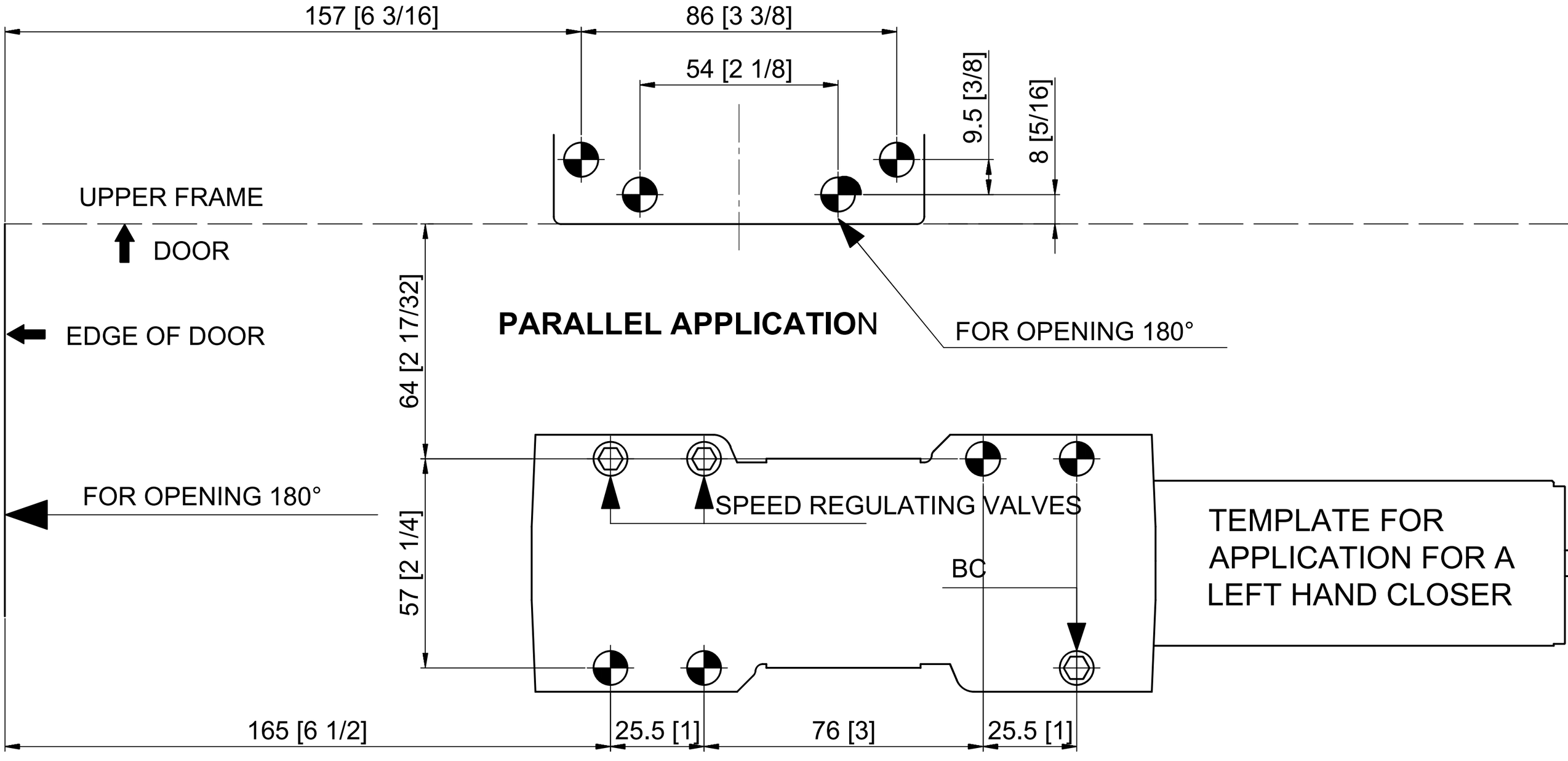
BOTTOM LATCH & 226 STRIKE



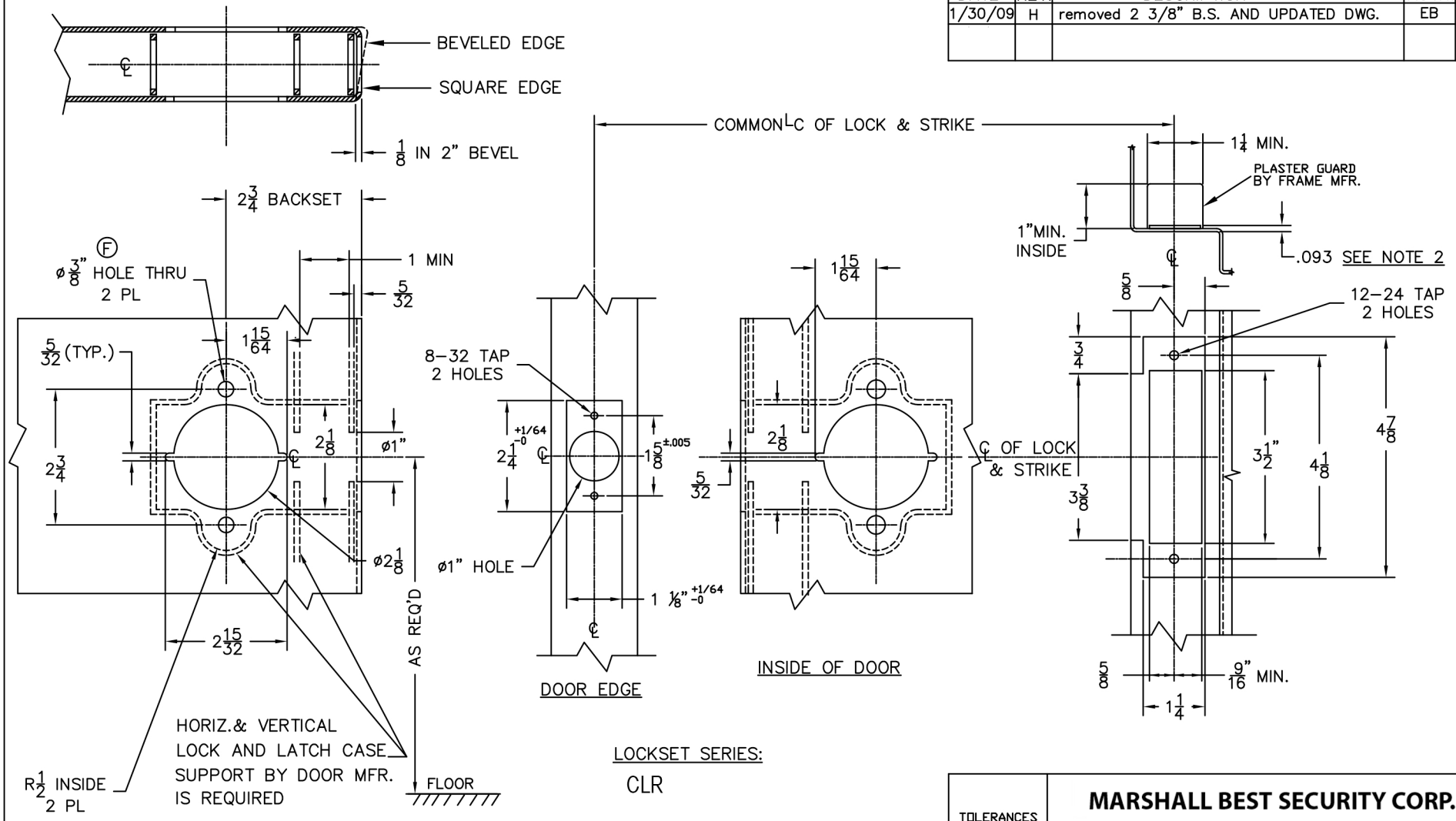


ILL.	APPLICATIONS	DIMENSION	
		METAL	WOOD
o	STRIKE SCREWS	#25 DRILL #10-24 TAP	3 (1/8") DRILL PILOT 1" DEEP
○	SEX BOLT	8 (5/16") DRILL (DEVICE SIDE) 10.3 (13/32") DRILL (OUTSIDE)	


159 [6 1/4]
25.5 [1]
76 [3]
25.5 [1]
TEMPLATE FOR
APPLICATION FOR A
RIGHT HAND CLOSER
BC
REGULATING VALVES
57 [2 1/4]
20 [25/32]
TOP JAMB APPLICATION
UPPER FRAME
HINGE
FOR OPENING 150°
17 [21/32]
49 [1 15/16]
275 [10 13/16]


157 [6 3/16]
86 [3 3/8]
54 [2 1/8]
9.5 [3/8]
8 [5/16]
UPPER FRAME
DOOR
EDGE OF DOOR
64 [2 17/32]
PARALLEL APPLICATION
FOR OPENING 180°
FOR OPENING 180°
SPEED REGULATING VALVES
BC
57 [2 1/4]
TEMPLATE FOR APPLICATION FOR A LEFT HAND CLOSER
165 [6 1/2]
25.5 [1]
76 [3]
25.5 [1]

DATE	REV.	DESCRIPTION	AUTH.	DR.
1/30/09	H	removed 2 3/8" B.S. AND UPDATED DWG.	EB	EB



LOCKSET SERIES:

CLR

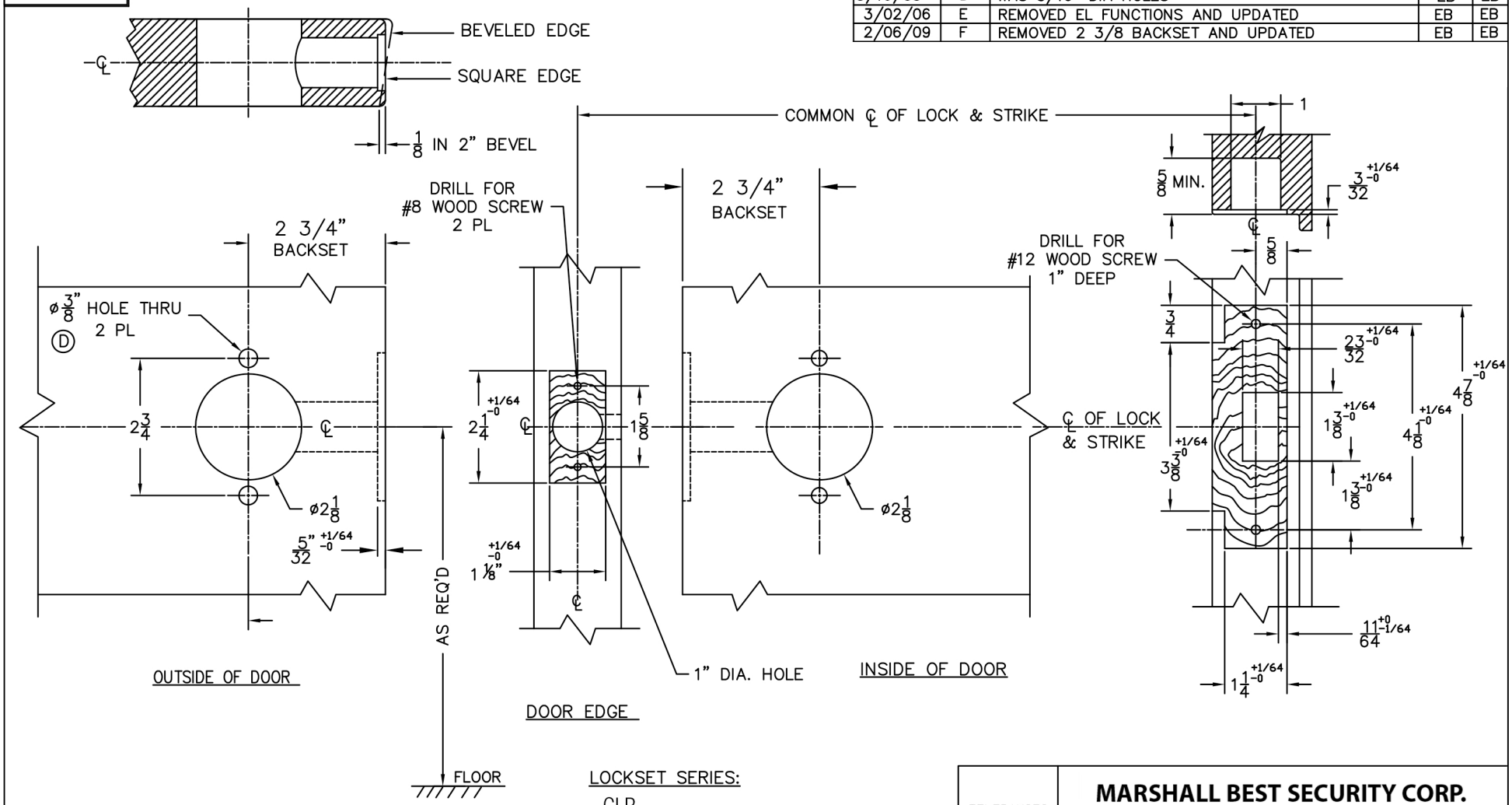
NOTE:
1. CONSULT FACTORY TO ENSURE TEMPLATE IS LATEST REVISION
2. ADD 1/64" IF DUST BOX IS USED

ISSUED DATE: 4-5-16

TOLERANCES (EXCEPT AS NOTED)	**MARSHALL BEST SECURITY CORP.**			
DECIMAL ±.005		SCALE 1:2	DRAWN BY: A.T	
			CHECKED BY:	
			APPROVED BY:	
FRACTIONAL ±1/64"	TITLE: INSTALLATION TEMPLATE, STEEL DOOR WITH STANDARD LOCK FRONT			
ANGULAR ±1°	DATE: 4-5-16	DWG. SIZE: B	DRAWING NUMBER: TS CLR	REV.: H

T CLR

DATE	REV.	DESCRIPTION	AUTH.	DR.
5/16/05	D	WAS 5/16" DIA HOLES	EB	EB
3/02/06	E	REMOVED EL FUNCTIONS AND UPDATED	EB	EB
2/06/09	F	REMOVED 2 3/8 BACKSET AND UPDATED	EB	EB



LOCKSET SERIES:
CLR

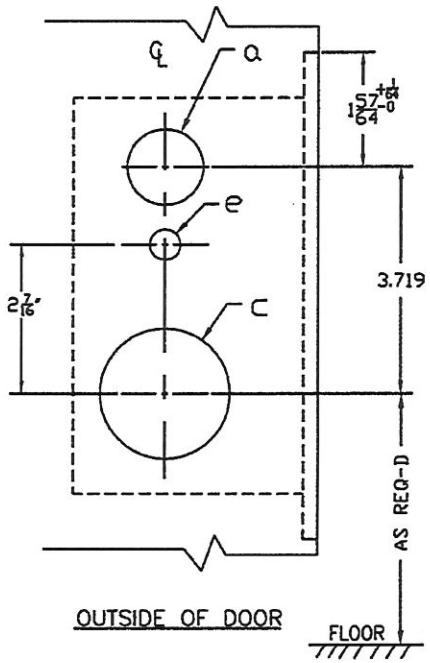
NOTE: CONSULT FACTORY TO ENSURE TEMPLATE IS LATEST REVISION.

ISSUED DATE: 4-5-16

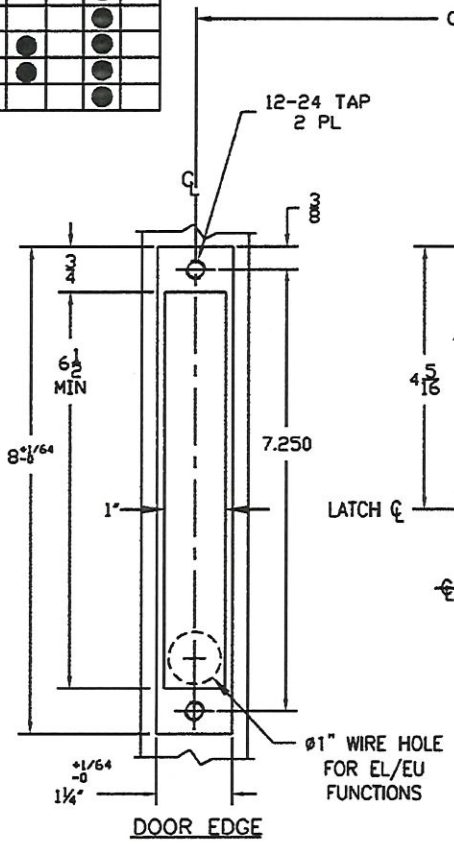
TOLERANCES (EXCEPT AS NOTED)	MARSHALL BEST SECURITY CORP.			
DECIMAL ±.005		SCALE 1:2	DRAWN BY: A.T	
			CHECKED BY:	
			APPROVED BY:	
FRACTIONAL ±1/64"	TITLE INSTALLATION TEMPLATE, WOOD DOOR WITH STANDARD LOCK FRONT			
ANGULAR ±1°	DATE 4-5-16	DWG. SIZE: B	DRAWING NUMBER T CLR	REV. F

FUNCTIONS	HOLES REQUIRED							
	OUTSIDE OF DOOR			INSIDE OF DOOR			THRU	
HOLE	a	e		a	b		c	
DIA.	1 1/4	1/2		1 1/4	5/8		2 1/8	
E, EW, J, EL/EU,	●						●	
N,							●	
A, B, BW, F, FD, FS, FW, H,	●				●		●	
L, LJ, LF,		●			●		●	
G, GL, GC, GG, WW, C,	●			●			●	

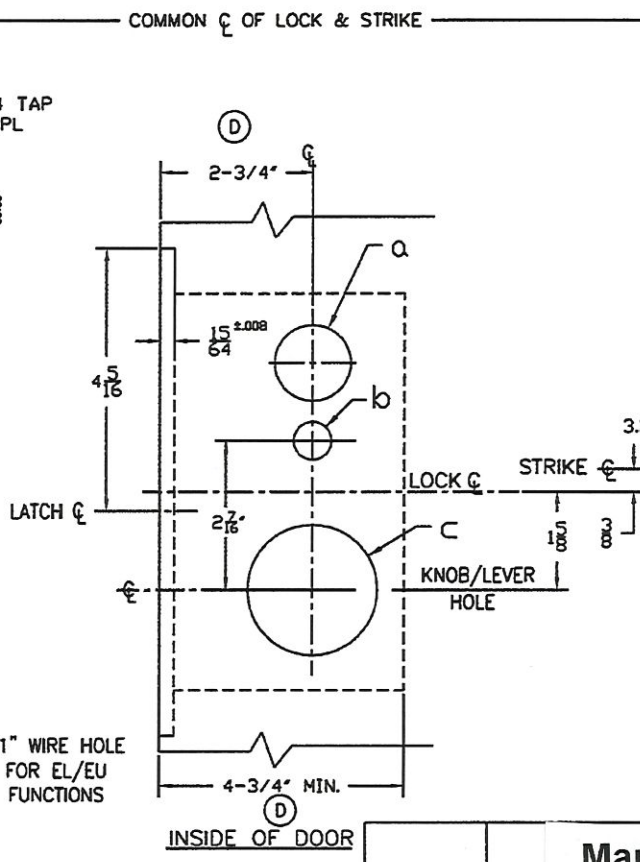
DATE	REV.	DESCRIPTION	AUTH.	DR.
05/01/14	B	ADDED FUNCTIONS AND UPDATED.	E.B.	E.B.
05/28/14	C	ADDED 2 1/8 DIA. HOLES AND UPDATED DRAWING	E.B.	E.B.
06/29/16	D	REMOVED BACKSET / MIN DEPTH TABLE	G.M.	L.M.



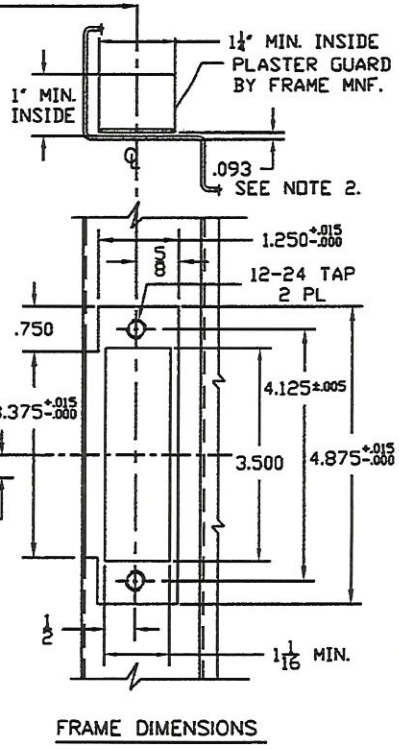
OUTSIDE OF DOOR



DOOR EDGE



INSIDE OF DOOR



FRAME DIMENSIONS

NOTES:

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

LOCK CASE SUPPORT IS REQUIRED FROM DOOR MANUFACTURER

SAME TEMPLATE WILL APPLY FOR EU, EURX OPTIONS FOR REQUIRED FUNCTION.

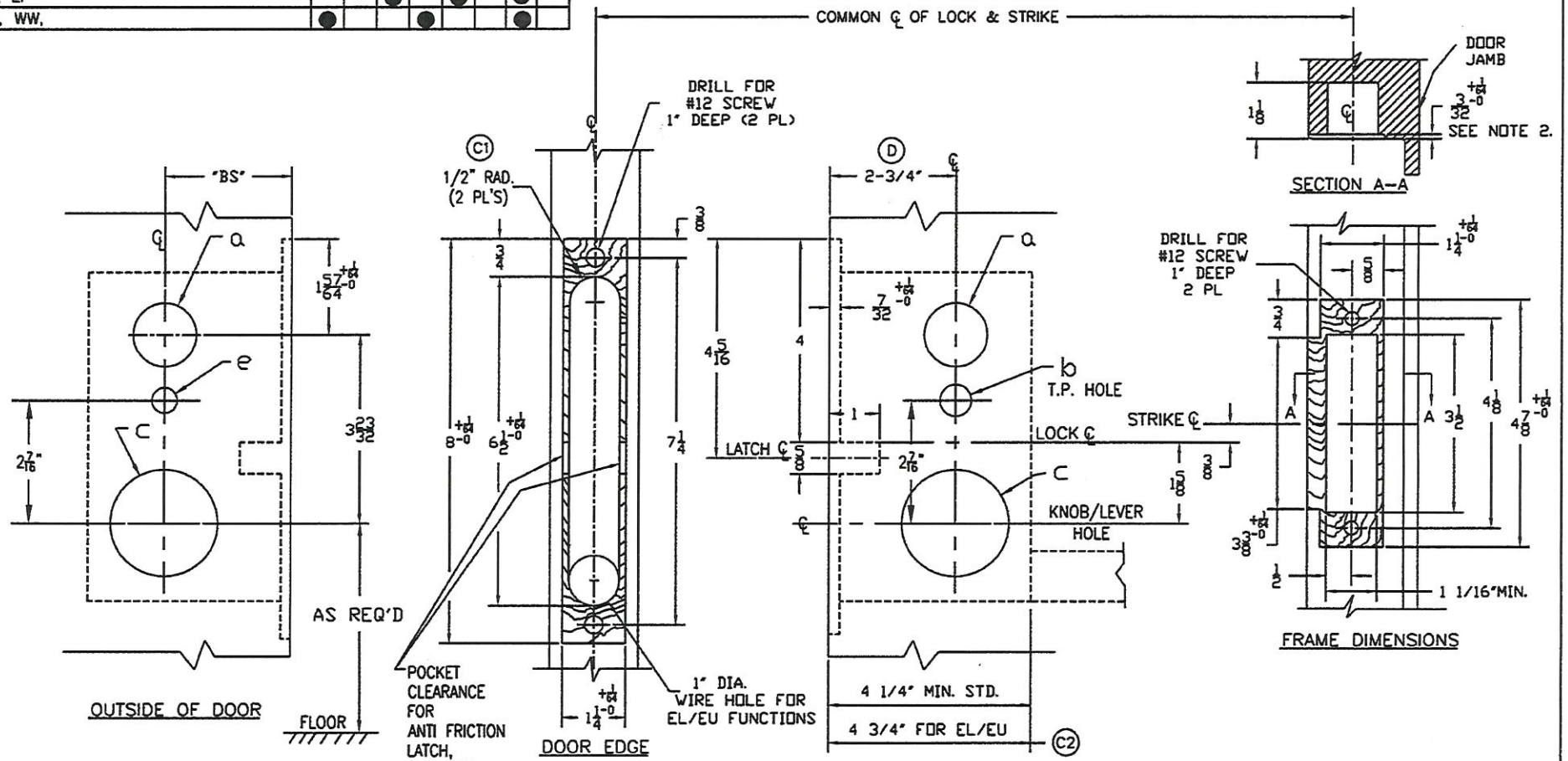
LOCKSET SERIES
MLR – LEVER
MKR – KNOB

Marshall Best Security

TOLERANCES (EXCEPT AS NOTE)		SCALE	DRAWN BY: E.B.
DECIMAL ±.005		1:2	CHECKED BY:
			APPROVED BY:
FRACTIONAL ±1/64"	TITLE INSTALLATION TEMPLATE, STEEL DOOR WITH STANDARD LOCK FRONT		
ANGULAR ±1°	DATE 09/07/12	DWG. SIZE: B	DRAWING NUMBER MLR/ MKR — REV. D

FUNCTIONS	HOLES REQUIRED							
	OUTSIDE OF DOOR			INSIDE OF DOOR			THRU	
HOLE	a	b	e	a	b		c	
DIA.	1 1/4	5/8	1/2	1 1/4	5/8		2 1/8	
E, EW, J, EL/EU,	●						●	
N,							●	
A, B, BW, F, FD, FS, FW, H,	●				●		●	
L, LF			●		●		●	
C, WW,	●			●			●	

DATE	REV.	DESCRIPTION	AUTH.	DR.
5/28/14	B	ADDED 2 1/8 DIA, HOLES AND UPDATED DRAWING	E.B.	E.B.
9/04/15	C	C1 WAS 0.250 RAD., C2 ADDED DIM.,	E.B.	E.B.
6/29/16	D	REMOVED BACKSET TABLE	G.M.	L.M.



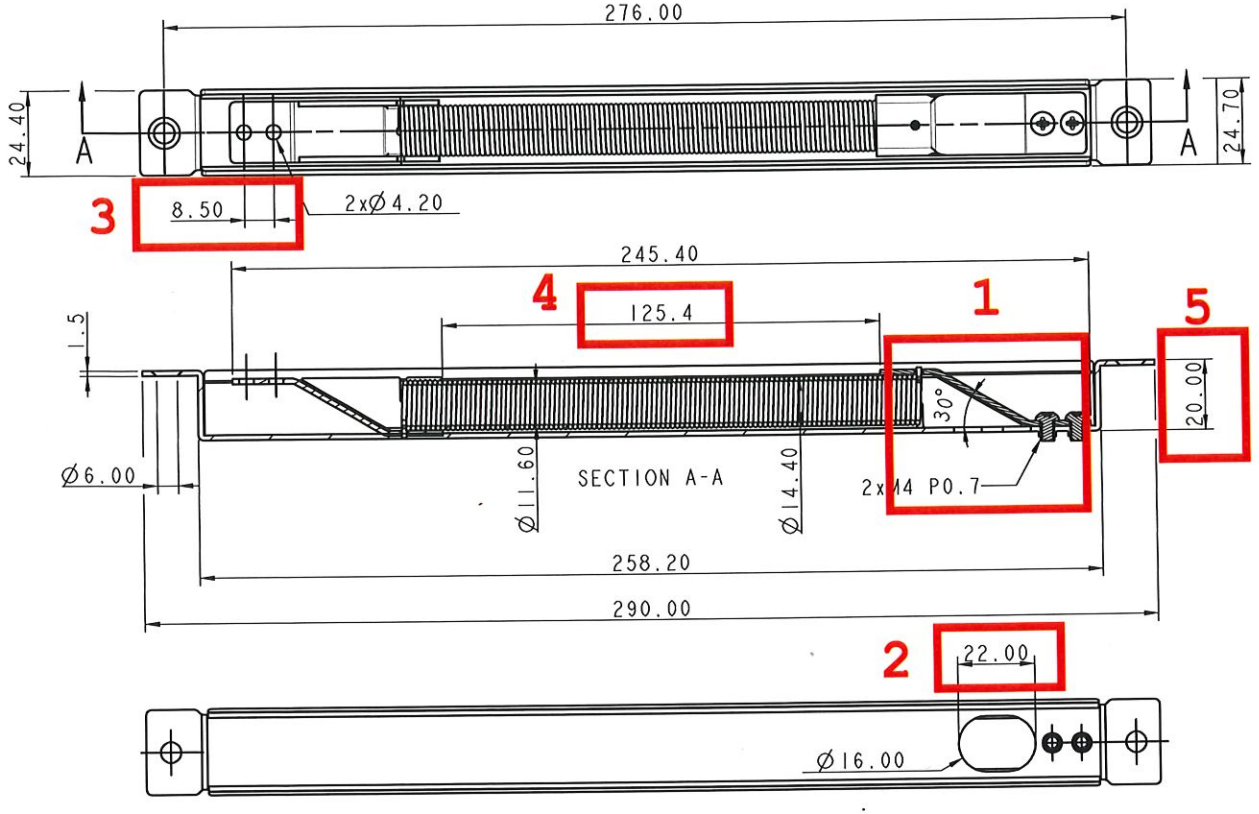
NOTES:

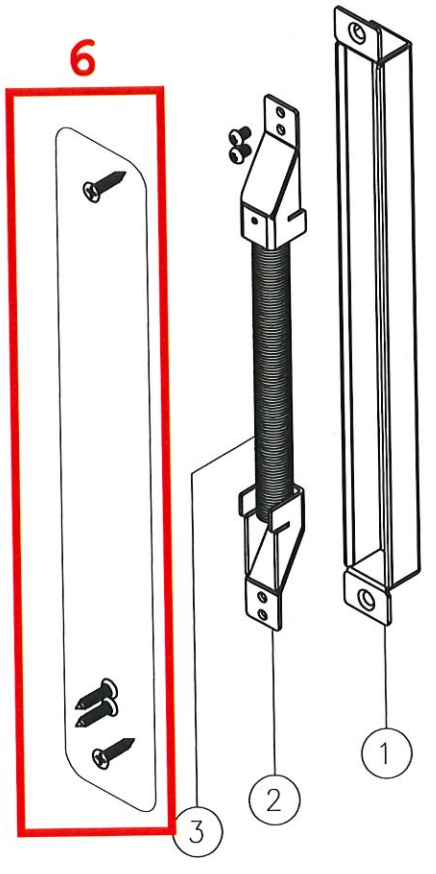
1. CONSULT FACTORY TO ENSURE TEMPLATE IS LATEST REVISION.
2. ADD 1/64" WHEN DUST BOX IS USED.

LOCKSET SERIES
MLR - LEVER
MKR - KNOB

TOLERANCES (EXCEPT AS NOTED)	Marshall Best Security		
DECIMAL ±.005		SCALE 1:2	DRAWN BY: E.B.
			CHECKED BY:
			APPROVED BY:
FRACTIONAL ±1/64"	TITLE INSTALLATION TEMPLATE, WOOD DOOR WITH STANDARD LOCK FRONT		
ANGULAR ±1°	DATE 09/07/12	DWG. SIZE: B	DRAWING NUMBER MLR/ MKR
			REV. D

EPT-1(R2) POWER TRANSFER





OD: ø14.4mm
ID: ø11.6mm

ITEM	DESCRIPTION	MATERIAL	FINISHES
1	Transfer Case	SPHC	Nickel
2	Wire Outlet	SPHC	
3	Flexible Coil	Spring Steel	