INSTALLATION INSTRUCTIONS FOR 6600 & F6600 RIM EXIT DEVICE

CAL-ROYAL PRODUCTS, INC. USA

※ The screws (item C & D), attach both machine & TEK screws (for wood door installation). And Item B1 & B2 changed to TEK screws (self-drilling screws) since 2014, May.
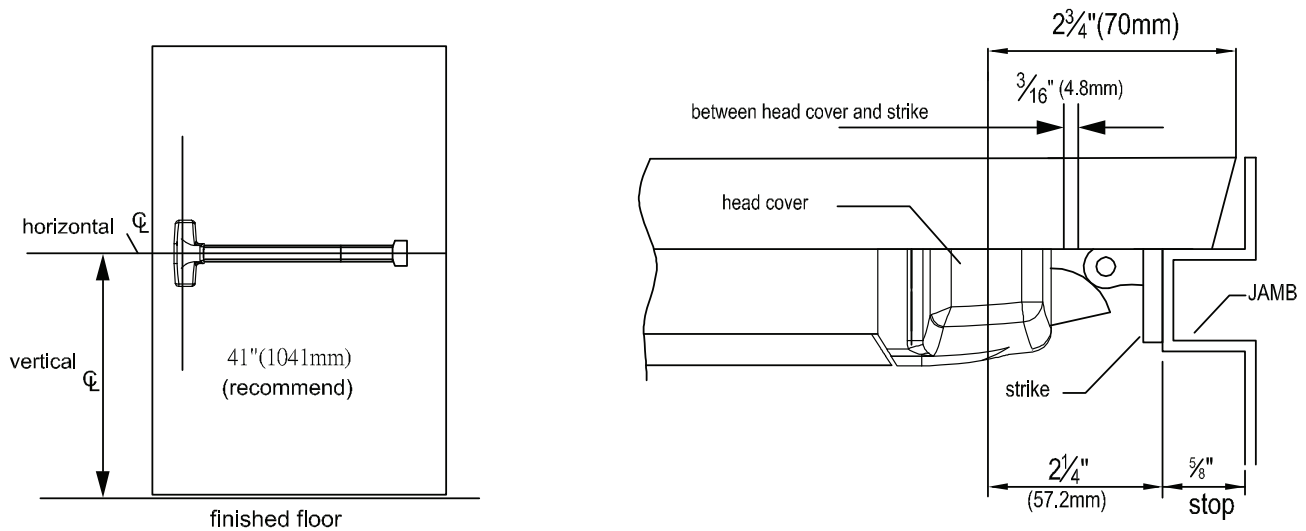
How to determine hand of door

Right - Hand Reverse Bevel (RHR)
Outside

Left- Hand Reverse Bevel (LHR)
Outside

Push Side

Push Side

B1

A

4

3 (Not available on fire-rated)

2

5

E (Only available on fire-rated)

6

1

B2

A

7

8

C

D

D

E (Only available on fire-rated)

9
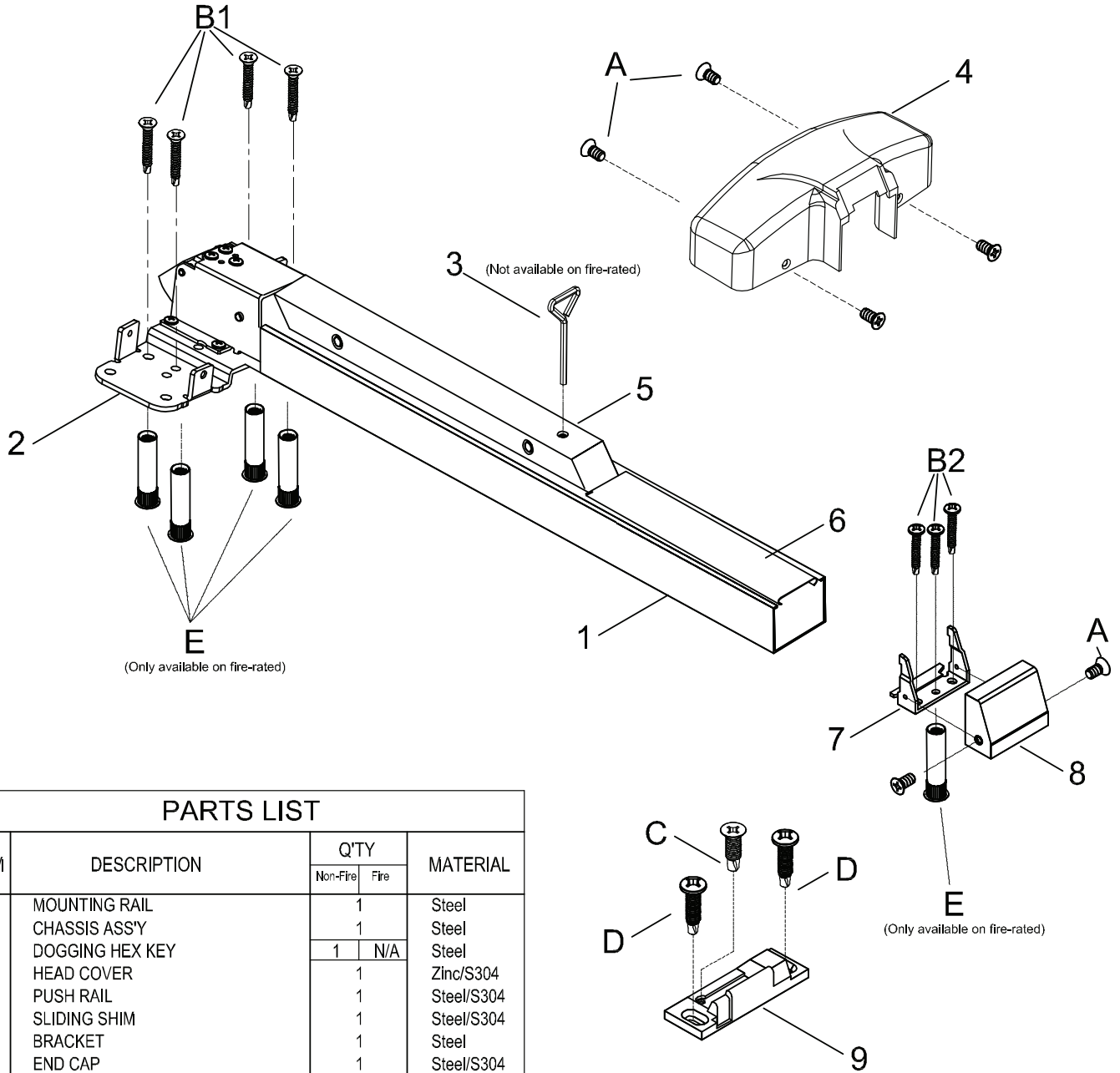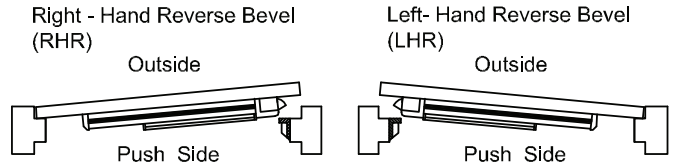
PARTS LIST

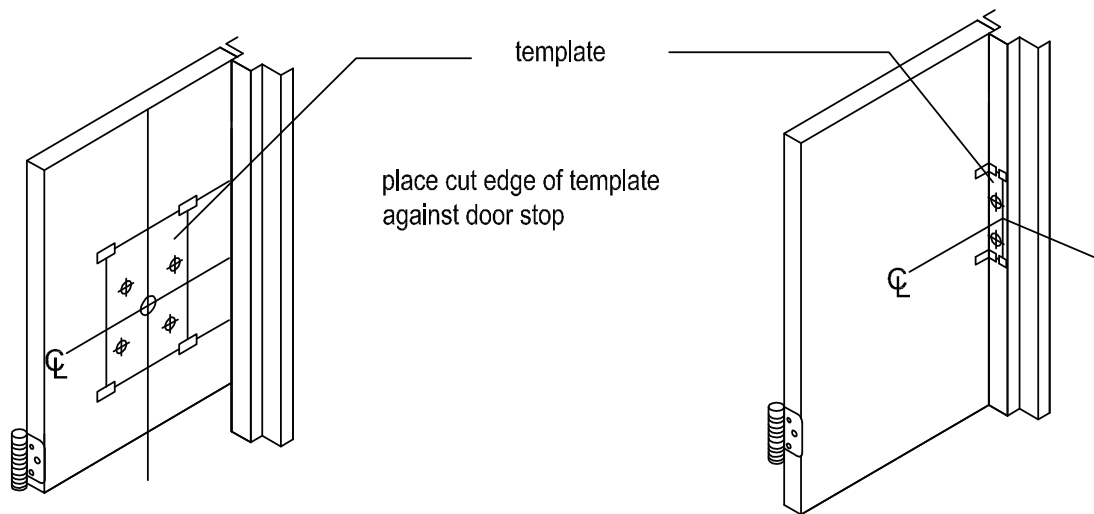| ITEM	DESCRIPTION	Q'TY		MATERIAL
		Non-Fire	Fire	
1	MOUNTING RAIL	1		Steel
2	CHASSIS ASS'Y	1		Steel
3	DOGGING HEX KEY	1	N/A	Steel
4	HEAD COVER	1		Zinc/S304
5	PUSH RAIL	1		Steel/S304
6	SLIDING SHIM	1		Steel/S304
7	BRACKET	1		Steel
8	END CAP	1		Steel/S304
9	STRIKE	1		Steel
A	SM4X8 FLAT HEAD SCREWS	6		S304
B1	10#1¼" TEK SCREWS (FLAT HEAD)	4	N/A	Steel
B2	10#1¼" TEK SCREWS (ROUND HEAD)	3	2	Steel
C	12#¾" SCREWS (FLAT HEAD)	1+(1)		Steel
D	12#⅝" SCREWS (ROUND HEAD)	2+(2)		Steel
E	SEX BOLT	N/A	5	Steel

STEP 1: MARK CENTER LINES

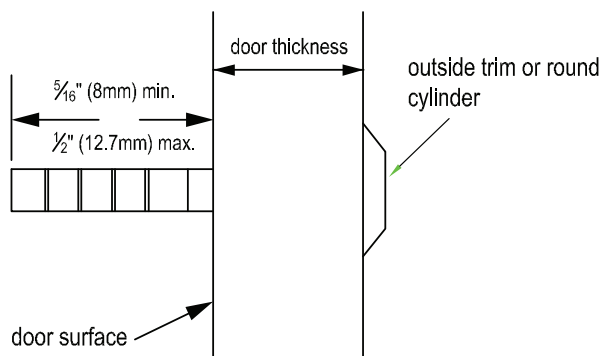※ If necessary, add strike shim under strike for $\frac{3}{16}$" (4.8mm) as dimension shown

horizontal ℄

vertical ℄

41"(1041mm)
(recommend)

finished floor

$2\frac{3}{4}$"(70mm)

$\frac{3}{16}$" (4.8mm)

between head cover and strike

head cover

JAMB

strike

$2\frac{1}{4}$"
(57.2mm)

$\frac{5}{8}$"

stop

STEP 2: PREPARE INSTALLATION

※ RHR shown (LHR opposite)

template

place cut edge of template
against door stop

℄

℄

Notice 1 : Tail-piece length

Keep tailpiece $\frac{5}{16}$"~$\frac{1}{2}$" (8~12.7mm) projected.

door thickness

$\frac{5}{16}$" (8mm) min.

$\frac{1}{2}$" (12.7mm) max.

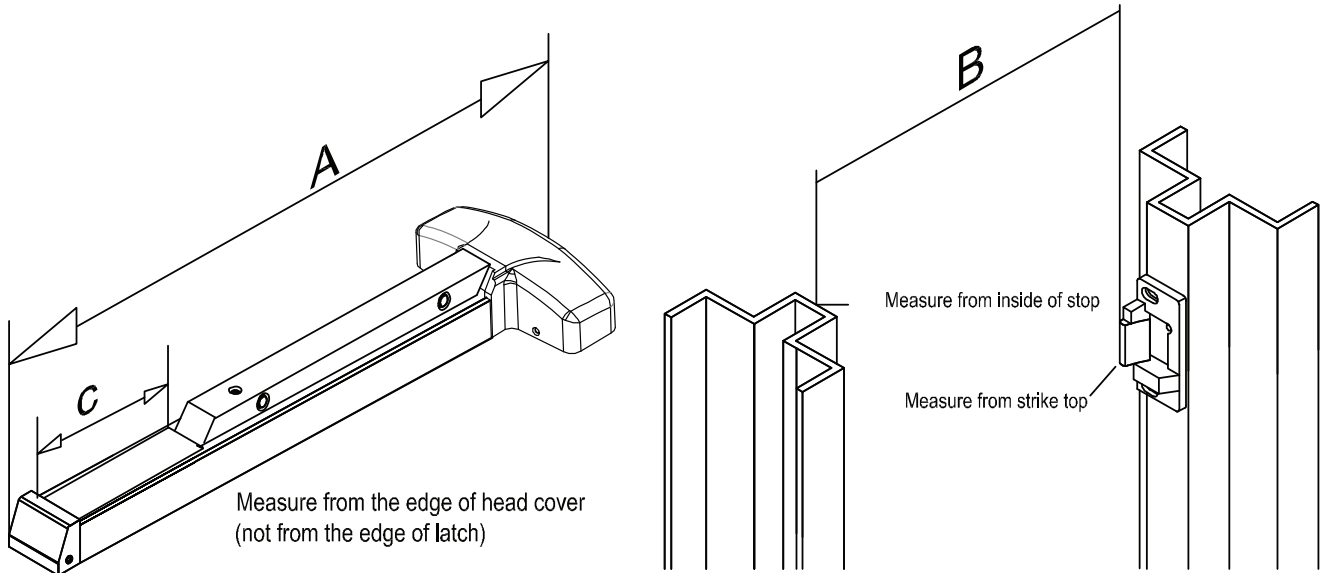outside trim or round cylinder

door surface

Notice 2: Dogging (For non fire-rated)

Press down the push rail, turn the dogging hex key clockwise or counterclockwise, then the device will change to "Passage" function.
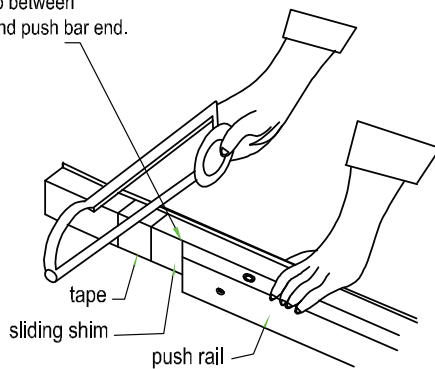
2
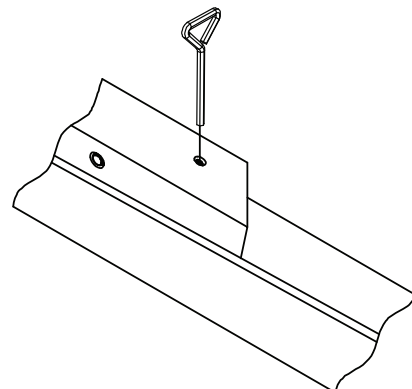
STEP 3: CUT DEVICE IF NECESSARY

3.1 Device length A must be at least 1½" (38mm) shorter than B

Measure from the edge of head cover
(not from the edge of latch)

Measure from inside of stop

Measure from strike top

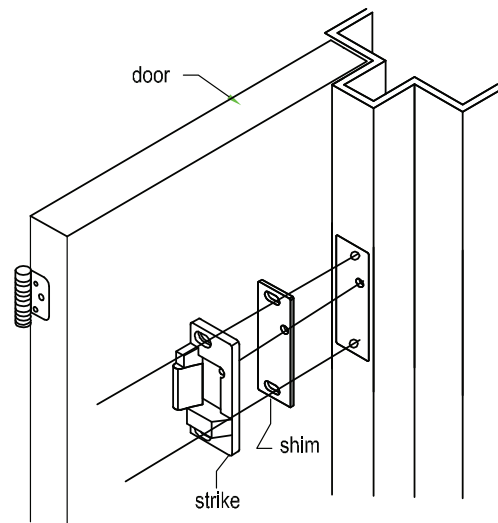
3.2 If necessary, cut length C, so A is at least 1½" (38mm) shorter than B.

Ensure no gap between sliding shim and push bar end.

tape
sliding shim
push rail

NOTE : the minimum length of the sliding shim must be 1"(25.4mm) or longer than length "C".

3.3 Standard Door Stop is ⅝"(15.9mm). Install ⅛"(3mm) strike shim if necessary.

door
shim
strike

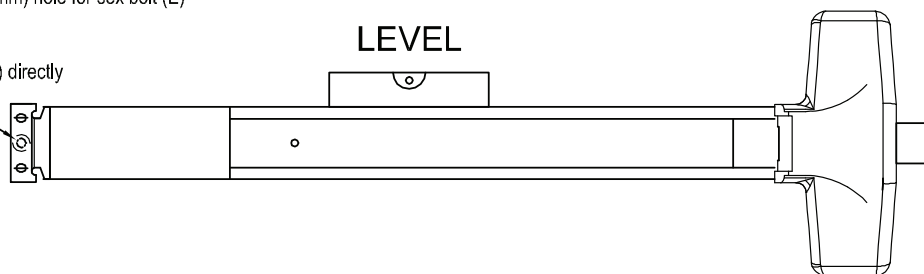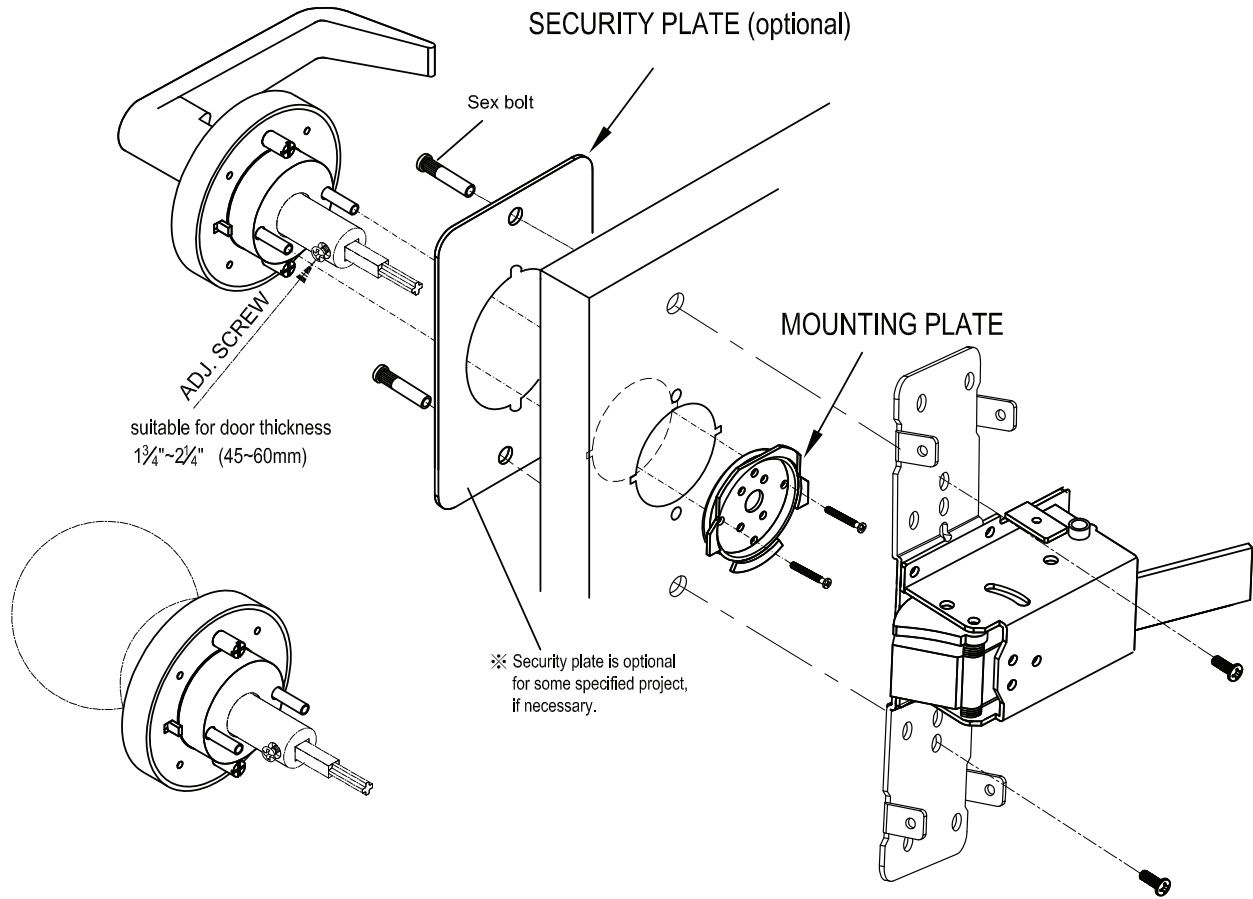# STEP 4: INSTALL DEVICE

4.1 Take off head cover and put device horizontally at the door. Fix screws (B1) on chassis but DO NOT tighten them at this step.
4.2 Install bracket with screw (B2). Be sure to remain device being horizontal and then tighten all screws.
4.3 Install end cap & head cover.

※ for "FIRE RATED" :
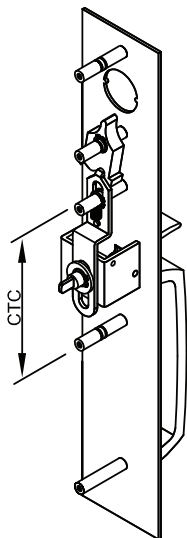   please drill Ø ⅜" (9.6mm) hole for sex bolt (E)

※ for "NON FIRE-RATED" :
    please use screw (B2) directly
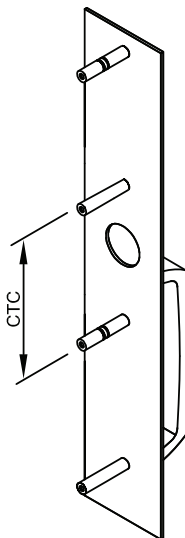
LEVEL
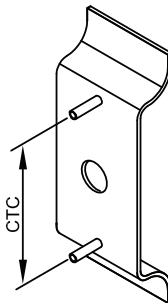
Apply TRIM + CHASSIS - **6600 & F6600 SERIES**

SECURITY PLATE (optional)

Sex bolt

ADJ. SCREW

suitable for door thickness
1¾"~2¼" (45~60mm)

MOUNTING PLATE

※ Security plate is optional
for some specified project,
if necessary.

Thumbpiece trim

CTC

CTC = 4¼" (108mm)

Pull trim

CTC

CTC = 4¼" (108mm)

Pull trim

CTC

CTC = 3½" (89mm)

ESC lever trim

CTC
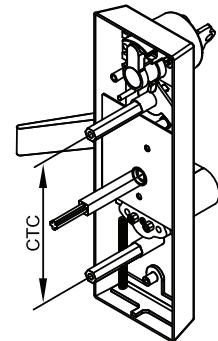
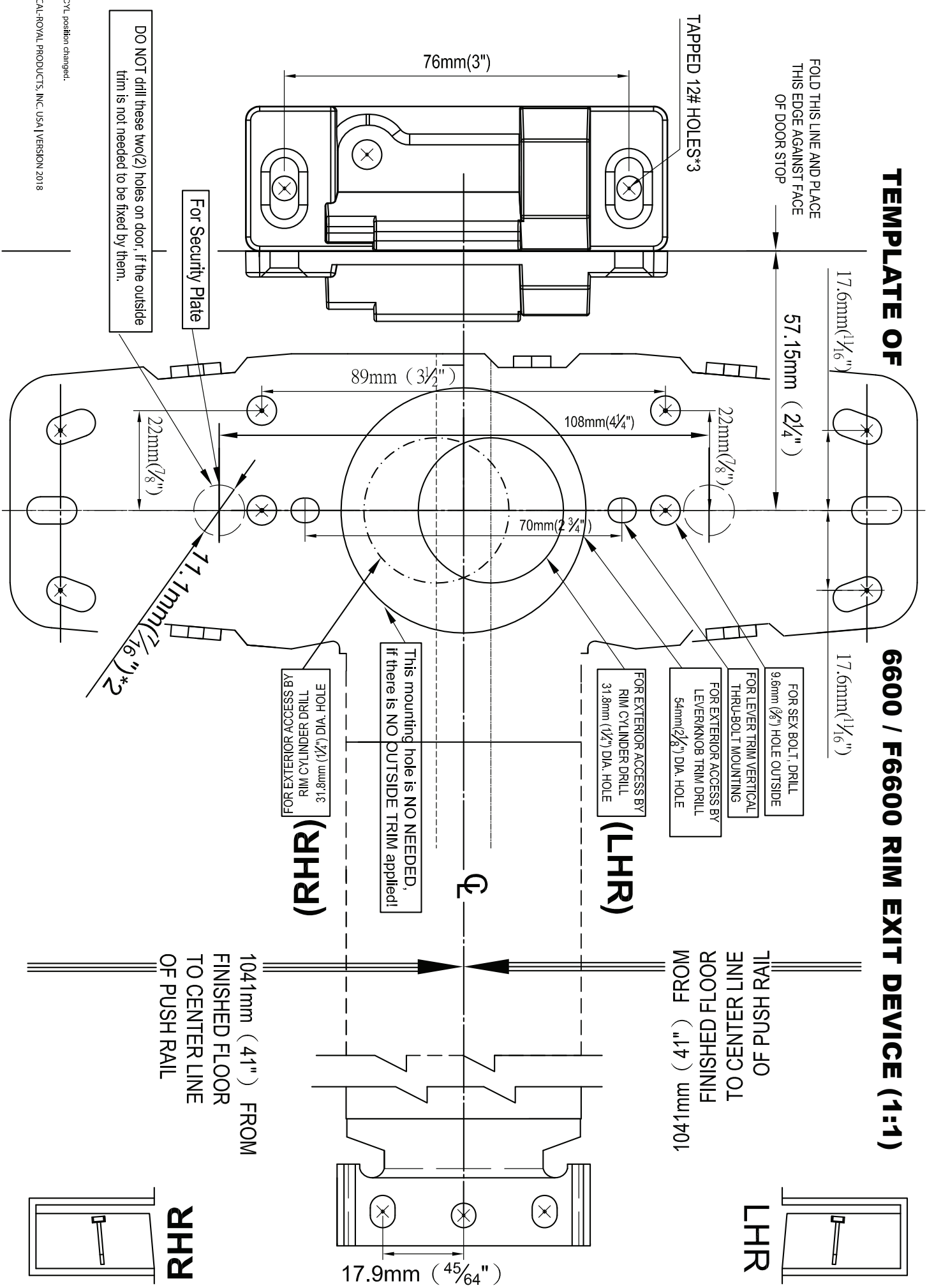CTC = 4¼" (108mm)

Trim with security plate

CTC
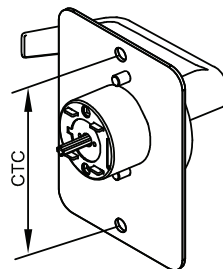
CTC = 4¼" (108mm)

Trim w/o security plate

CTC

CTC = 2¾" (70mm)

4
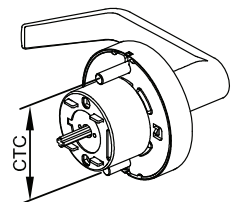
TEMPLATE OF 6600 / F6600 RIM EXIT DEVICE (1:1)

CYL. position changed.

DO NOT drill these two(2) holes on door, if the outside trim is not needed to be fixed by them.

For Security Plate

TAPPED 12# HOLES*3

FOLD THIS LINE AND PLACE THIS EDGE AGAINST FACE OF DOOR STOP

76mm(3")

17.6mm(11/16")

57.15mm （21/4"）

17.6mm(11/16")

89mm （31/2"）

108mm(41/4")

22mm(7/8")

22mm(7/8")

70mm(2 3/4")

11.1mm(7/16")

2*(7/16")11.1mm

This mounting hole is NO NEEDED, if there is NO OUTSIDE TRIM applied!

FOR EXTERIOR ACCESS BY RIM CYLINDER DRILL 31.8mm (11/4") DIA. HOLE

(RHR)

FOR EXTERIOR ACCESS BY RIM CYLINDER DRILL 31.8mm (11/4") DIA. HOLE

(LHR)

FOR EXTERIOR ACCESS BY LEVER/KNOB TRIM DRILL 54mm(21/8") DIA. HOLE

FOR LEVER TRIM VERTICAL THRU-BOLT MOUNTING

FOR SEX BOLT, DRILL 9.6mm (3/8") HOLE OUTSIDE

℄

1041mm （41"） FROM FINISHED FLOOR TO CENTER LINE OF PUSH RAIL

1041mm （41"） FROM FINISHED FLOOR TO CENTER LINE OF PUSH RAIL

17.9mm （45/64"）

RHR

LHR