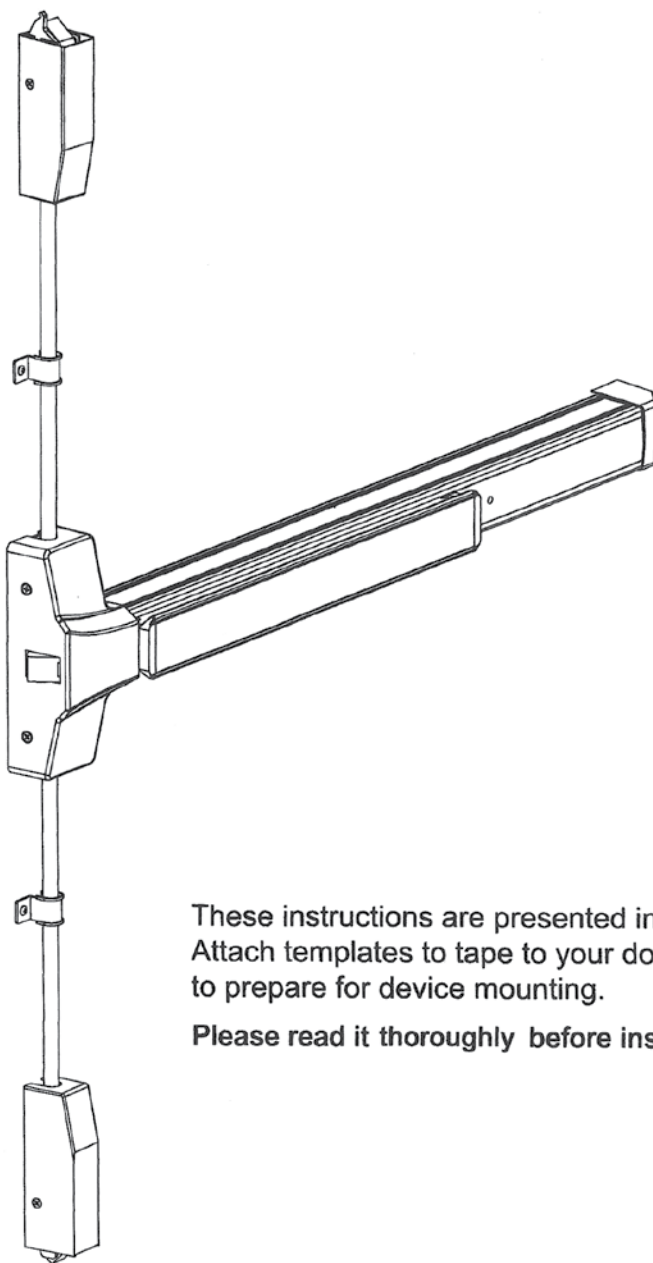


INSTALLATION INSTRUCTIONS

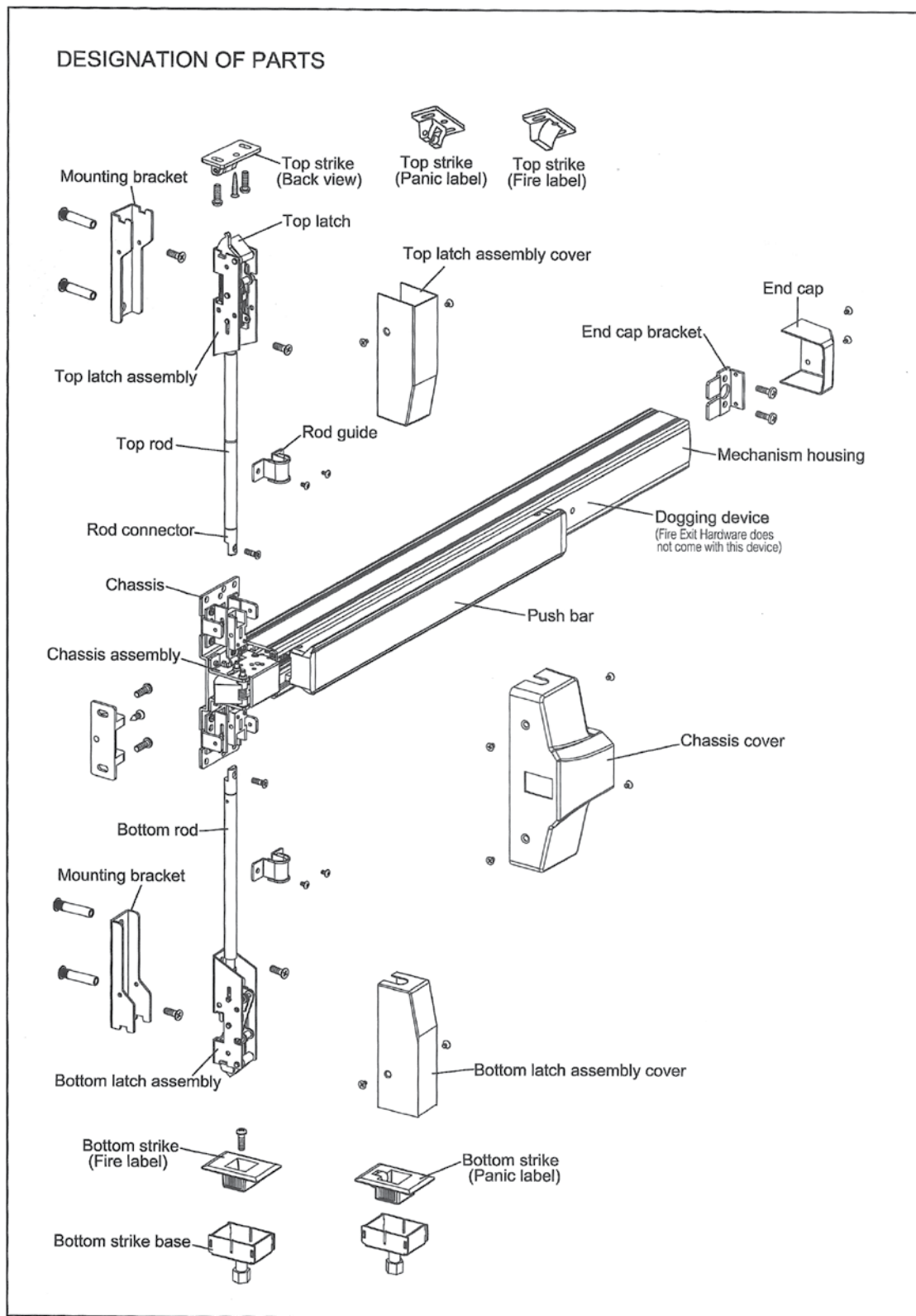


These instructions are presented in step by step sequence.
Attach templates to tape to your door and frame as an aid
to prepare for device mounting.

Please read it thoroughly before installation.

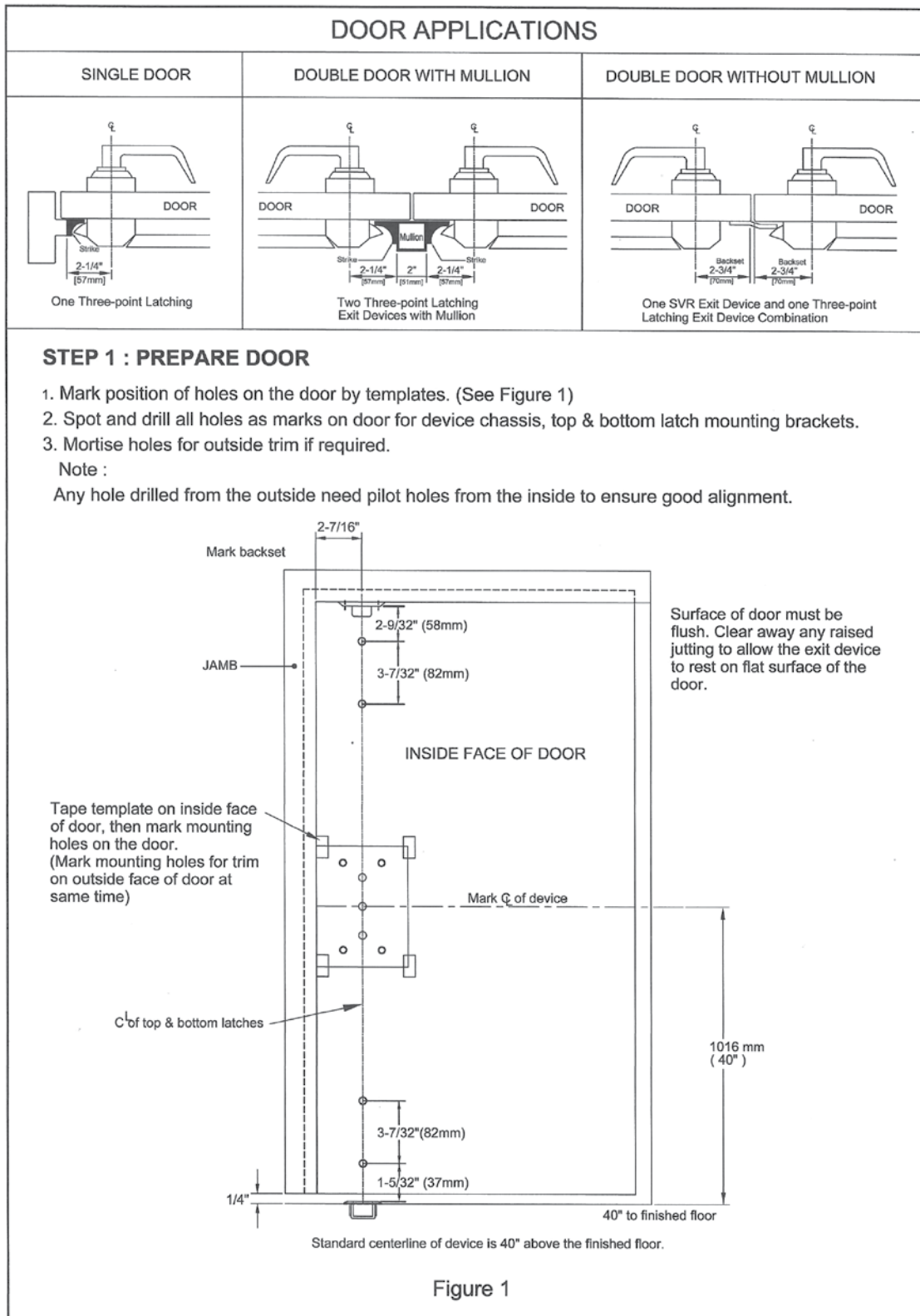
Not to Scale

The use of non-clutching impact drivers to install this hardware will automatically void the warranty.



Not to Scale

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Not to Scale

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STEP 2 : INSTALL BRACKETS, DEVICE & TRIM

1. Remove chassis cover from chassis assembly and end cap from end cap bracket.
2. Cut the length if required.

For user information : this model device has 2 different lengths.

For use on 3' wide door device = Approx. 33"

For use on 4' wide door device = Approx. 44"

The lengths of devices are precut for 36" and 48" wide door use, no additional cutting is necessary. If narrow door installation is needed, cut device "A" portion to door width minus 4" to fit properly.

Note:

If cutting is necessary, device must be cut plain and clean all burrs for proper end cap fit.

3. Mounting exit device horizontally to the drilled position on the door securely by supplied screws, and bolt device chassis to trim or sex bolts if using (see the trim installation instructions).
4. If using a knob or lever trim, be sure to line up the trim actuating shaft with the device cam which is located on back of the exit device. (Refer to View "+" for cam description.)
5. Insert end cap bracket lip into end of device body, then fasten it with provided screws.
6. Remove top and bottom latch covers and mounting brackets from both top and bottom latch assemblies. Install two latch mounting brackets on top and bottom of the door (see Figure 2).



VIEW "+"

INSERT TRIM ACTUATING SHAFT
INTO DEVICE CAM

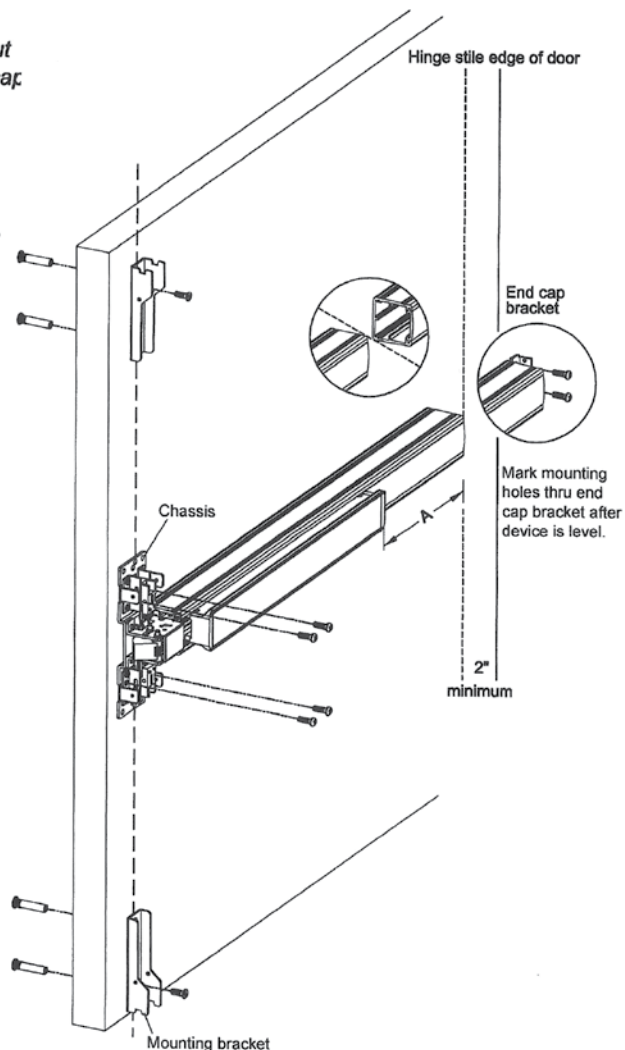


Figure 2

Not to Scale

The use of non-clutching impact drivers to install this hardware will automatically void the warranty.

STEP 3 : INSTALL BOTTOM LATCH, BOTTOM ROD & STRIKE
(FOR LBR, SKIP THIS STEP AND GO TO STEP 4)

1. Mount bottom latch assembly into mounting bracket . (See Figure 3.)
2. Screw the threaded end of bottom rod into latch assembly. (See Figure 4.)

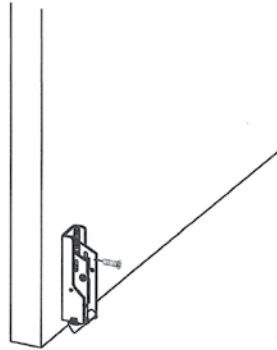


Figure 3

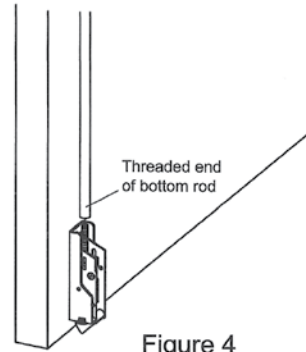


Figure 4

3. Tighten bottom rod on arrow mark position of chassis assembly. (See Figure 5)

Note : If the hole of bottom rod connector does not match in alignment with mounting hole, to adjust the overall length by turning rod in or out of latch assembly.

4. Install bottom strike into finished floor or threshold, and be sure to align center line of bottom latch with center of bottom strike. (See Figure 6)

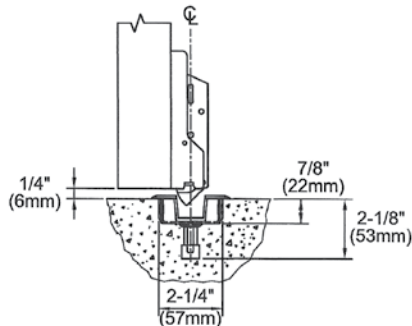


Figure 6

5. Depress push bar and release for checking correct installation:

5-1 Mark sure bottom latch can be held retracted and flush with the edge of door when push bar is depressed.

5-2 Check bottom latch bolt has 19/32" (15mm) throw minimum when push bar is release.

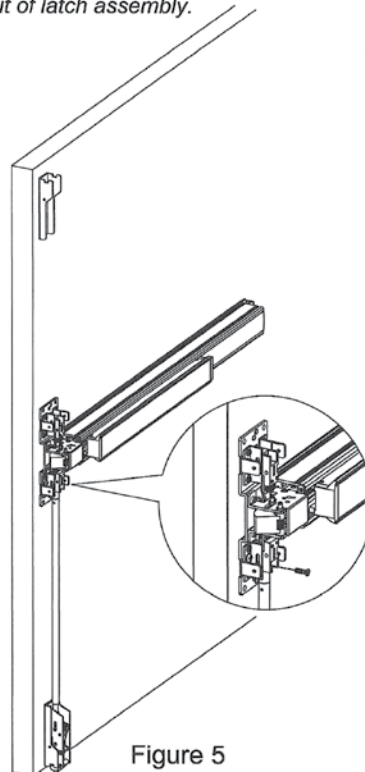


Figure 5

Not to Scale

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STEP 3 : INSTALL BOTTOM LATCH, BOTTOM ROD & STRIKE
(FOR LBR, SKIP THIS STEP AND GO TO STEP 4)

1. Mount bottom latch assembly into mounting bracket . (See Figure 3.)
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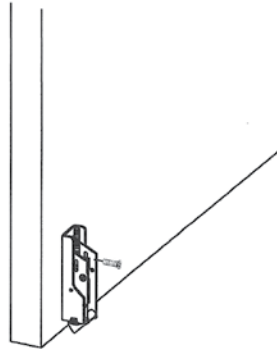


Figure 3

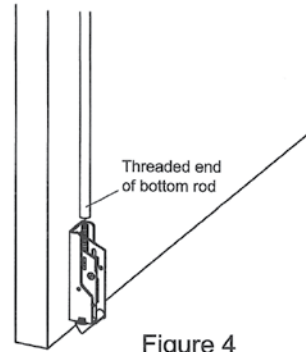


Figure 4

3. Tighten bottom rod on arrow mark position of chassis assembly. (See Figure 5)
Note : If the hole of bottom rod connector does not match in alignment with mounting hole, to adjust the overall length by turning rod in or out of latch assembly.

4. Install bottom strike into finished floor or threshold, and be sure to align center line of bottom latch with center of bottom strike. (See Figure 6)

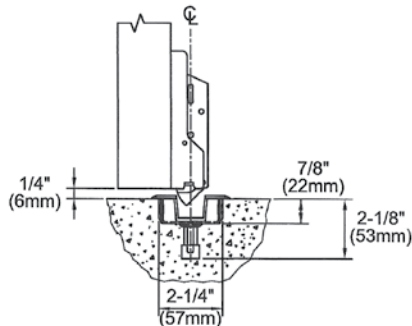


Figure 6

5. Depress push bar and release for checking correct installation:
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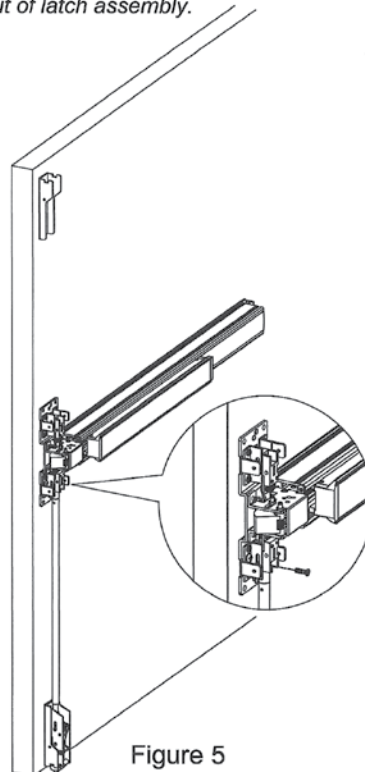


Figure 5

Not to Scale

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6. Mark mounting holes for top strike on stop face of the top frame as shown by Strike Template (See Figure 12), then fasten with supplied screws (See Figure 13).

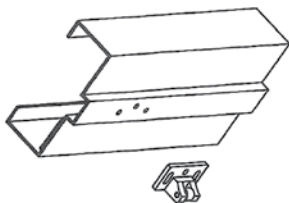


Figure 12

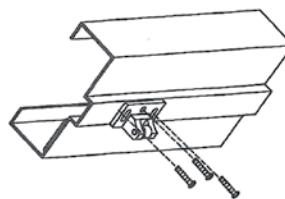
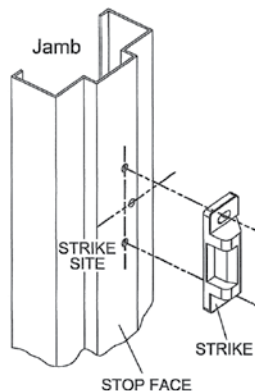


Figure 13

STEP 5 : INSTALL RIM STRIKE

1. Place rim strike to the drilled position then using supplied screws to mount only the top and bottom slotted holes first.
2. Open and close door to verify latch and dead are aligned properly.
3. Adjust rim strike if it is tight fit or loose fit. See the figure shown.
4. Once rim strike is adjusted, secure center screw.



STEP 6 : TEST OPERATION

1. Depress push bar, top latch should be held retracted. While top latch bolt is retracted, the bottom latch clears floor and bottom strike at same time then door will be opened.
2. Release push bar, both top latch bolt and bottom latch bolt should be full extended.
3. Check device operation by depressing and releasing push bar for several times to assure final correct installation.
4. Repeat device operation by opening and closing door for several times with outside trim to make sure all installation no problem.
5. Redo adjustment procedure if either top latch bolt is not held retracted or bottom latch bolt dose not clear floor and bottom strike.

Not to Scale

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STEP 7 : INSTALL COVERS

1. Before installing covers, make sure and secure latch bolts engagement. Adjust strikes if required.
2. Install all device covers and two rod guides in position.
(See Figure 14)

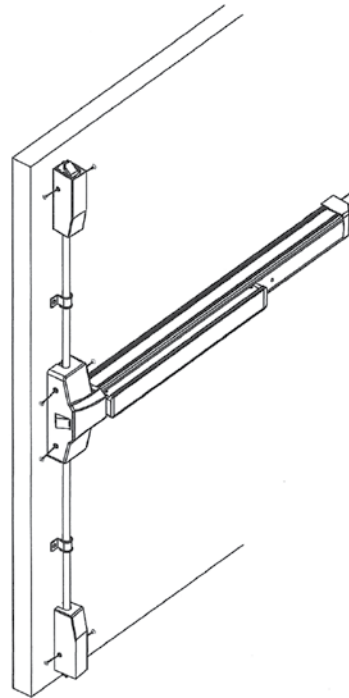
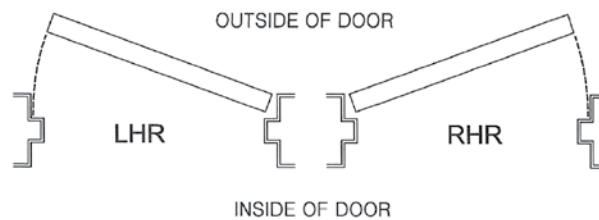


Figure 14

Door Handing

Use the diagram to determine the hand of door



NOTE :

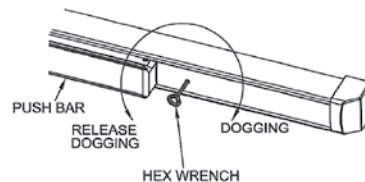
Dogging device during high traffic period of the day will greatly extend life of this device (panic device only)

Dogging :

Depress push bar, insert dogging hex wrench, and turn clockwise 30 degrees. The push bar will remain depressed and the latch will stay retracted.

Release dogging :

Hold push bar, insert dogging hex wrench, and turn counterclockwise 30 degrees. The push bar will return to the up position and latch will extend to lock door.



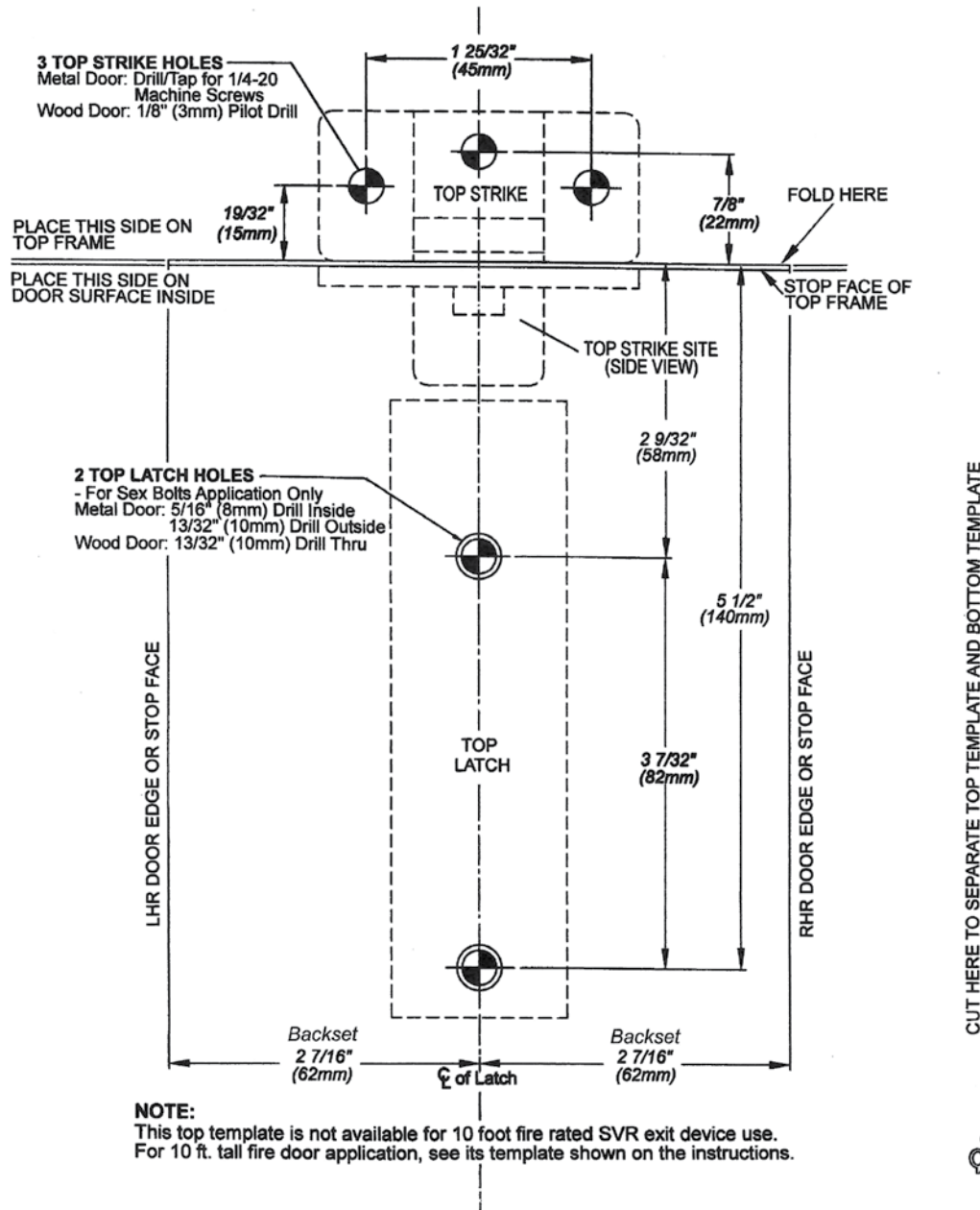
Not to Scale

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TOP LATCH
TEMPLATE

GRADE 1 WIDE STILE
3-POINT LATCHING DEVICE LATCH TEMPLATE
(FOR PANIC AND FIRE RATED EXIT DEVICES)

2019 EDITION



Not to Scale

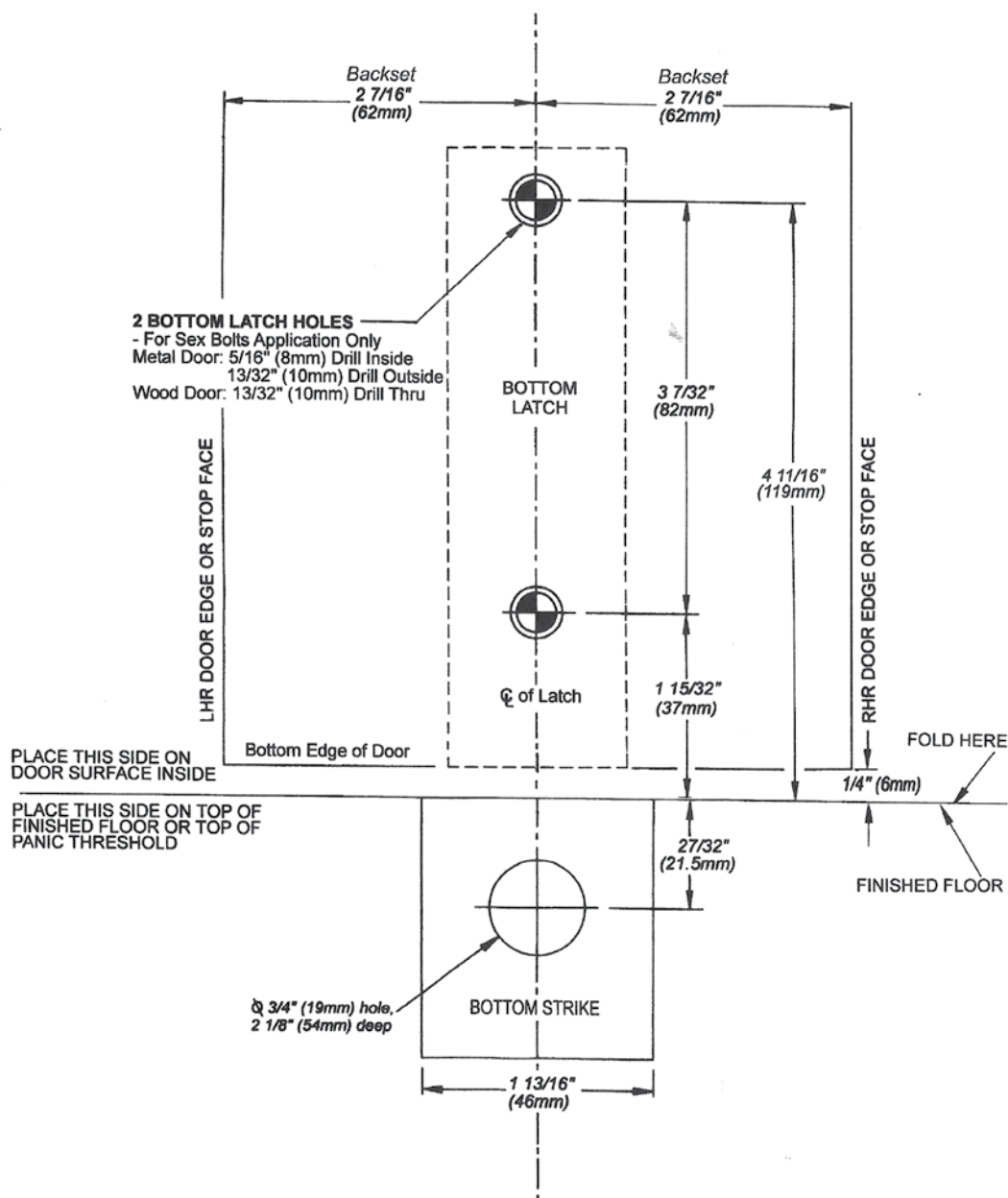
The use of non-clutching impact drivers to install this hardware will automatically void the warranty.

BOTTOM LATCH
TEMPLATE

(NOT REQUIRED FOR LBR DEVICE)

GRADE 1 WIDE STILE
3-POINT LATCHING DEVICE LATCH TEMPLATE
(FOR PANIC AND FIRE RATED EXIT DEVICES)

2019 EDITION

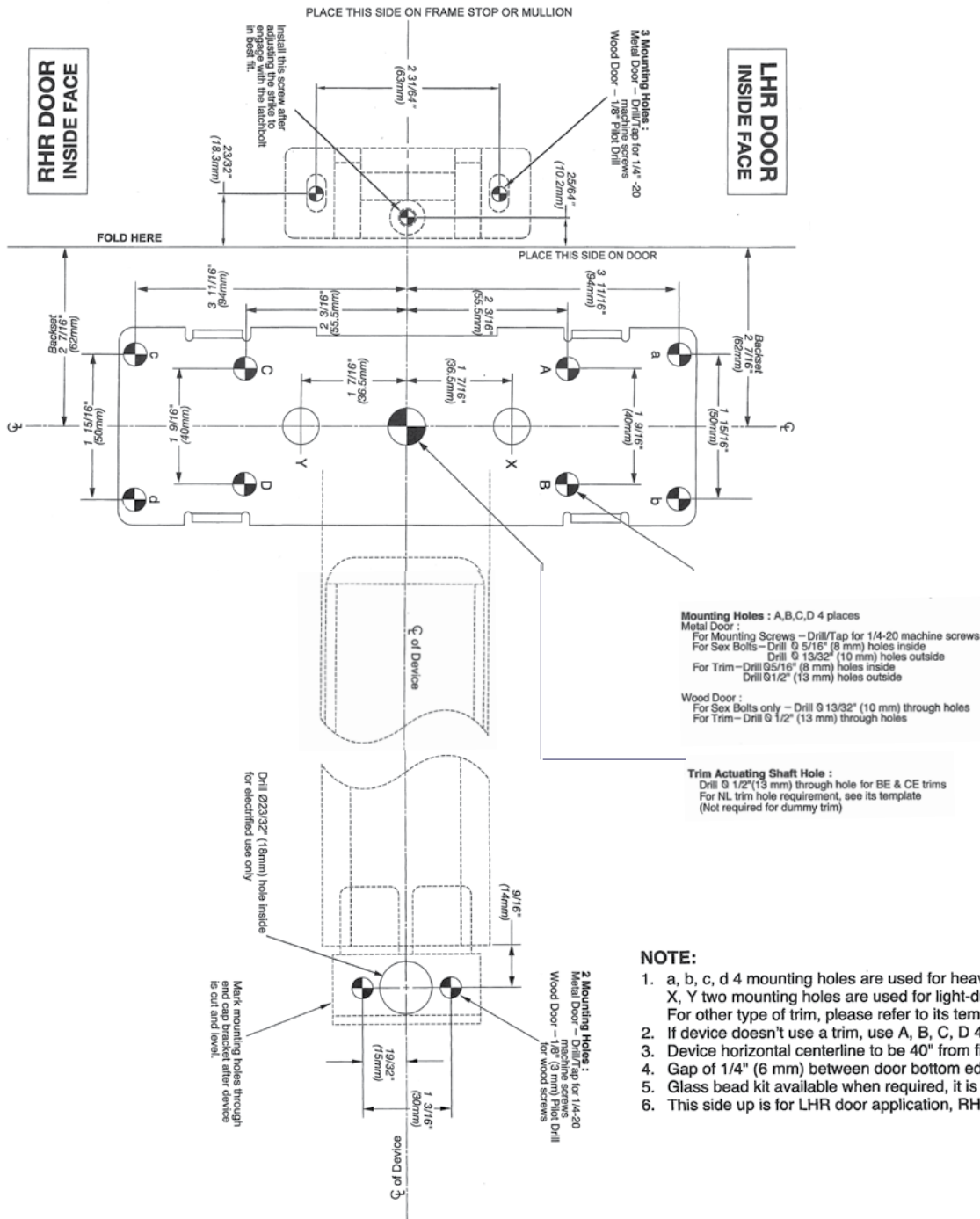


Not to Scale

The use of non-clutching impact drivers to install this hardware will automatically void the warranty.

**GRADE 1 WIDE STILE
3-POINT LATCHING DEVICE CHASSIS TEMPLATE**
(FOR PANIC AND FIRE RATED EXIT DEVICES)

2019 EDITION



Not to Scale

The use of non-clutching impact drivers to install this hardware will automatically void the warranty.