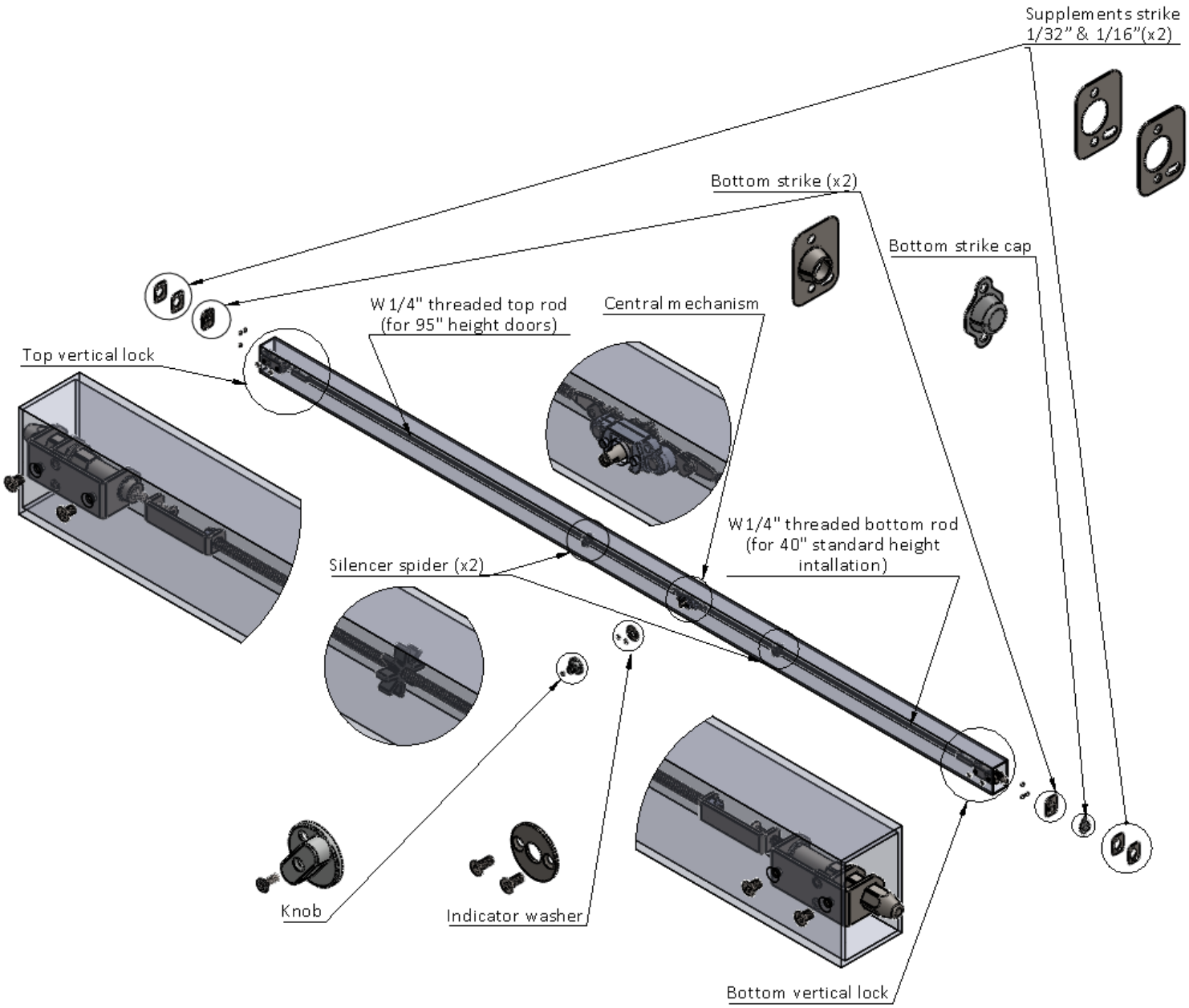
T512 Flushbolt 2 points

Preparation Guide and Installation Instructions

BOX CONTENTS:

I512-25 Rev.02 03/23



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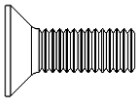
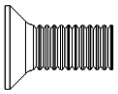
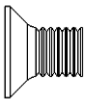
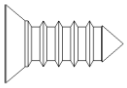
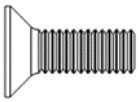
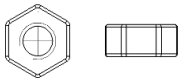
SCREW & NUT CHARTS			
PICTURE	QUANTITY	DETAIL	USE FOR
	1	W5/32” flat head screw (1/2” lenght) (head painted)	Fix knob with central mechanism
	2	M5 flat head screw (12mm lenght)	Fix indicator washer with central mechanism
	4	M5 flat head screw (8mm lenght)	Fix top & bottom vertical locks with door
	6	Parker #10 (1/2” lenght)	Fix strike with top & bottom frame
	6	W5/32” flat head screw (1/2” lenght)	Fix strike with top & bottom frame
	2	W ¼” (7/32” height)	Fix rods with top & bottom vertical locks

RECOMMENDED INSTALLATION TOOLS:

Safety glasses // Measuring tape // Level Pencil // Ruler

Power drill // Saw horse // Center punch

Phillips screw driver // Wrench sizes (11mm or 7/16”)

Drill bit sizes (4mm-5/32”//5,5mm-7/32”//9,5mm-3/8”//16mm-5/8”//25,5mm-1”)

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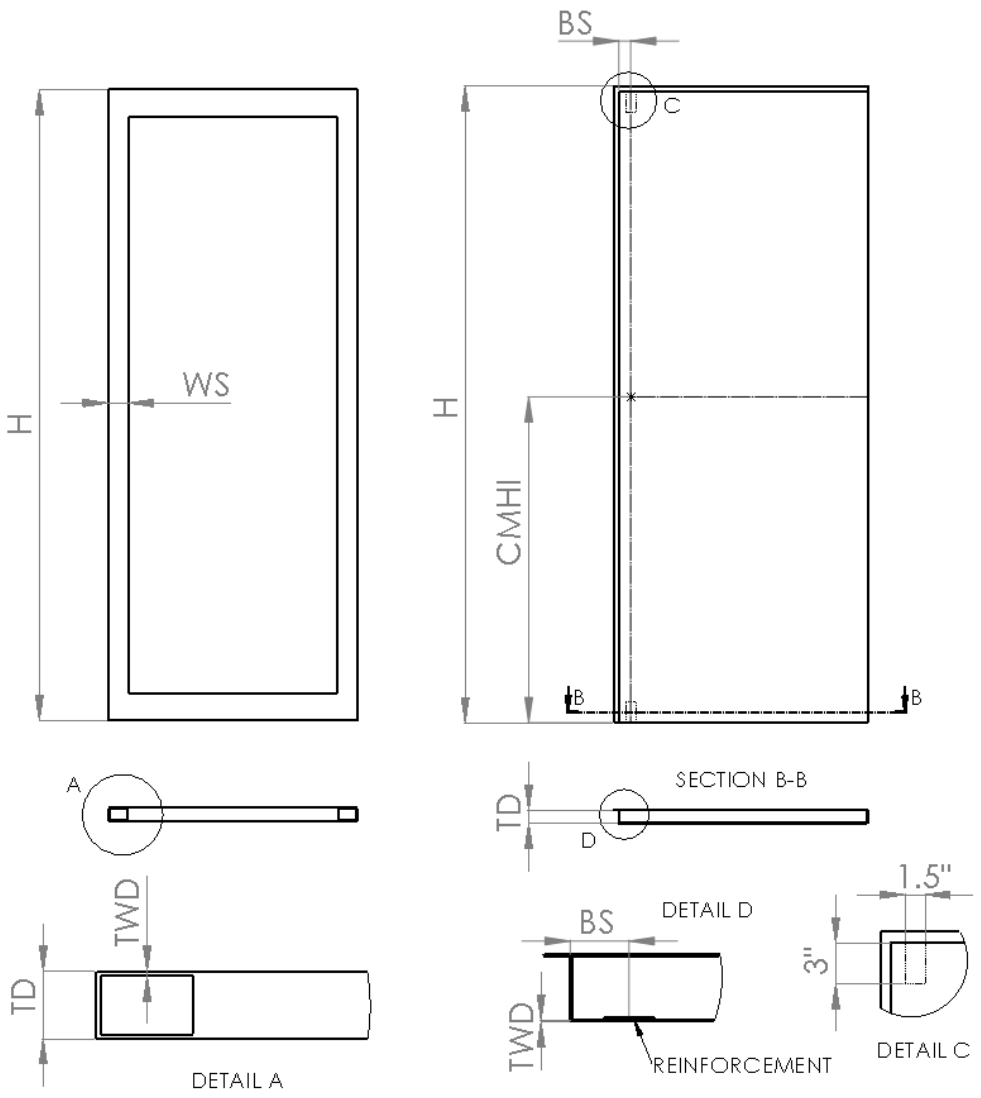
MEASURING THE FRAME AND DOOR:

ALUMINUM DOOR **HOLLOW METAL DOOR**



Dimensions and limits: (take all this dimension for your application)

H (height door) = 95” standard (up to 120” using extension rod T352E00, sold separately).

WS (width style) = 2 ½”minimum.

TD (thickness door) = 1 ¾” minimum

TWD (thickness wall door) = 1/8” maximum. For hollow metal needs apply an internal reinforcement only in the face to fix the top & bottom vertical lock as shown in the picture about hollow metal door. (Its need to have a total thickness between 3/32” to 1/8”).

CMHI (central mechanism height installation) = 40” standard and maximum for doors up to 95” height. If a lower height is required, the lower rod can be cut (see next “Sizing the vertical rods”).

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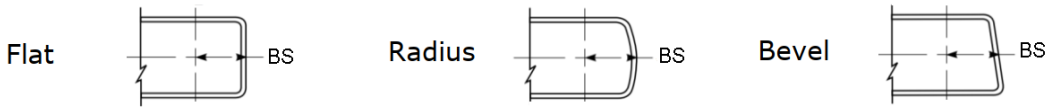
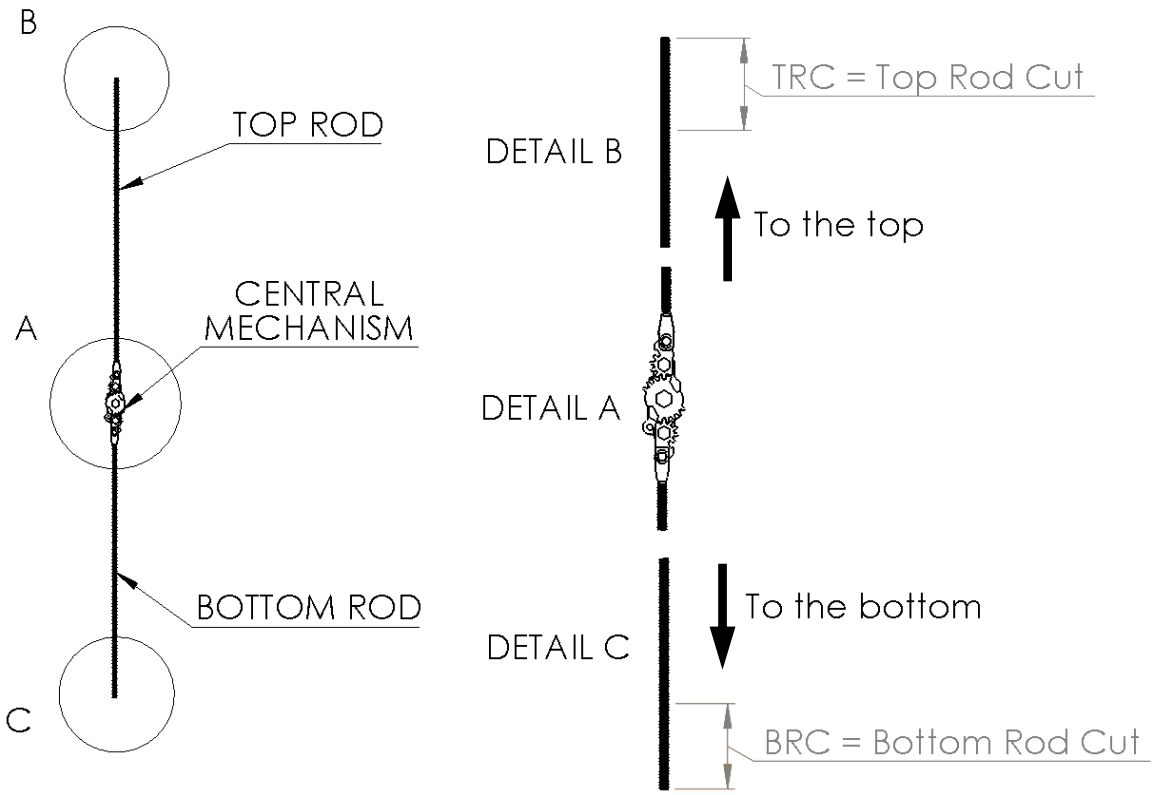
BS (backset) = 1 ½”. Note: Backset its always measured at the door centerline, and not at the edge.



SIZING THE VERTICAL RODS - INSTRUCTIONS FOR CUT:



ROD CUT CALCULATION:

BRC= 40”-CMHI **TRC**= 95”-H+BRC

Standard installation CMHI=40” and H=95”, no need any cut. If **TRC** is a negative value it’s no necessary cut the top rod, and this is the additional large of extension rod that its necessary.

PREPARING THE INSIDE OF THE DOOR

1. Determine and mark the applicable center mechanism height installation (horizontal line) on the interior of the door.

2. Determine and mark the backset required.

3. Determine the location of the door templates by using the mechanism height installation and aligning the templates with the backset centerline (vertical line) of the door. Affix the templates to the door.

4. Mark, center punch, drills all holes.

5. Remove the templates.

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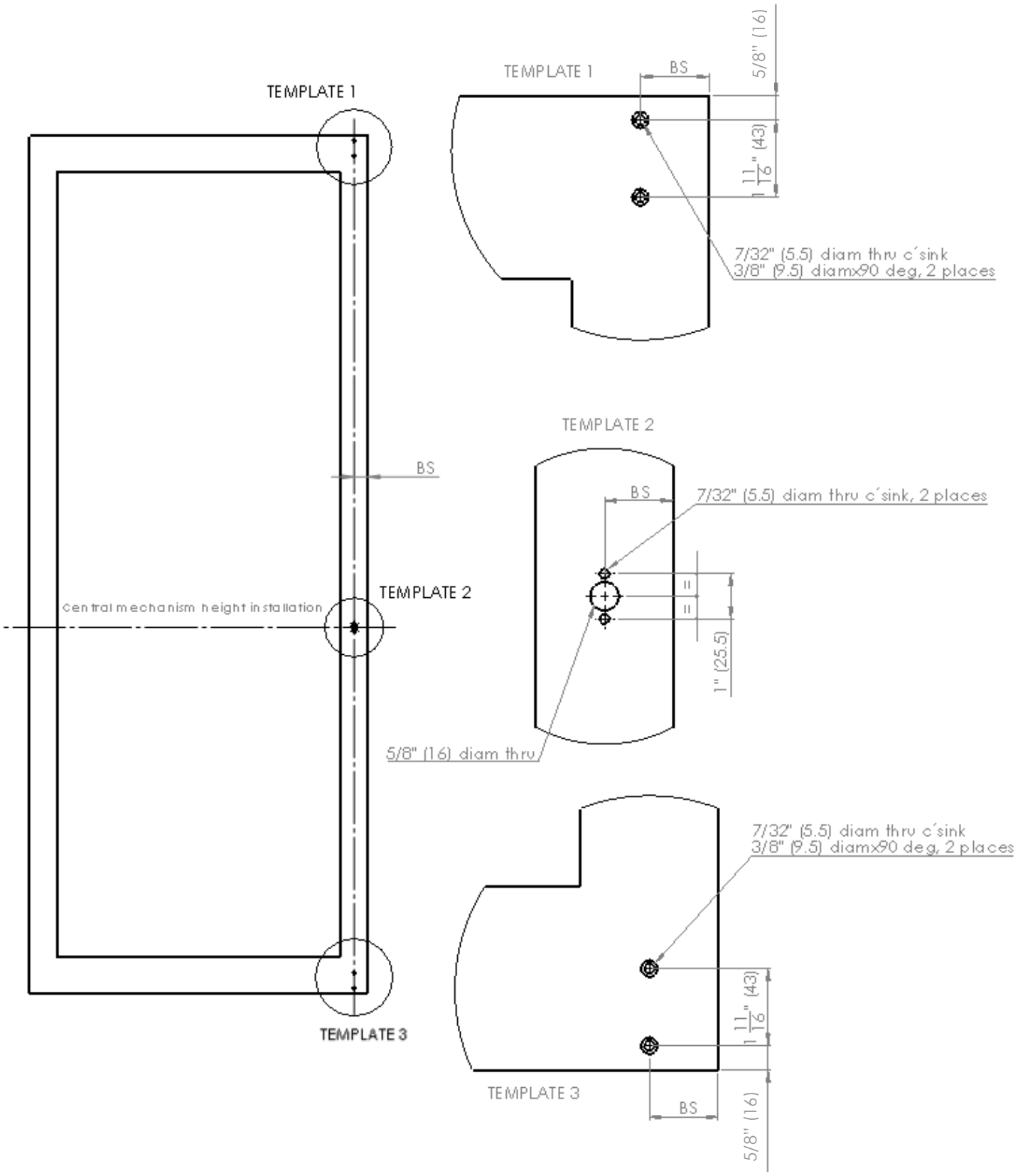
RHR SHOWN (INSIDE)

Note: BS(backset)= 1 ½”



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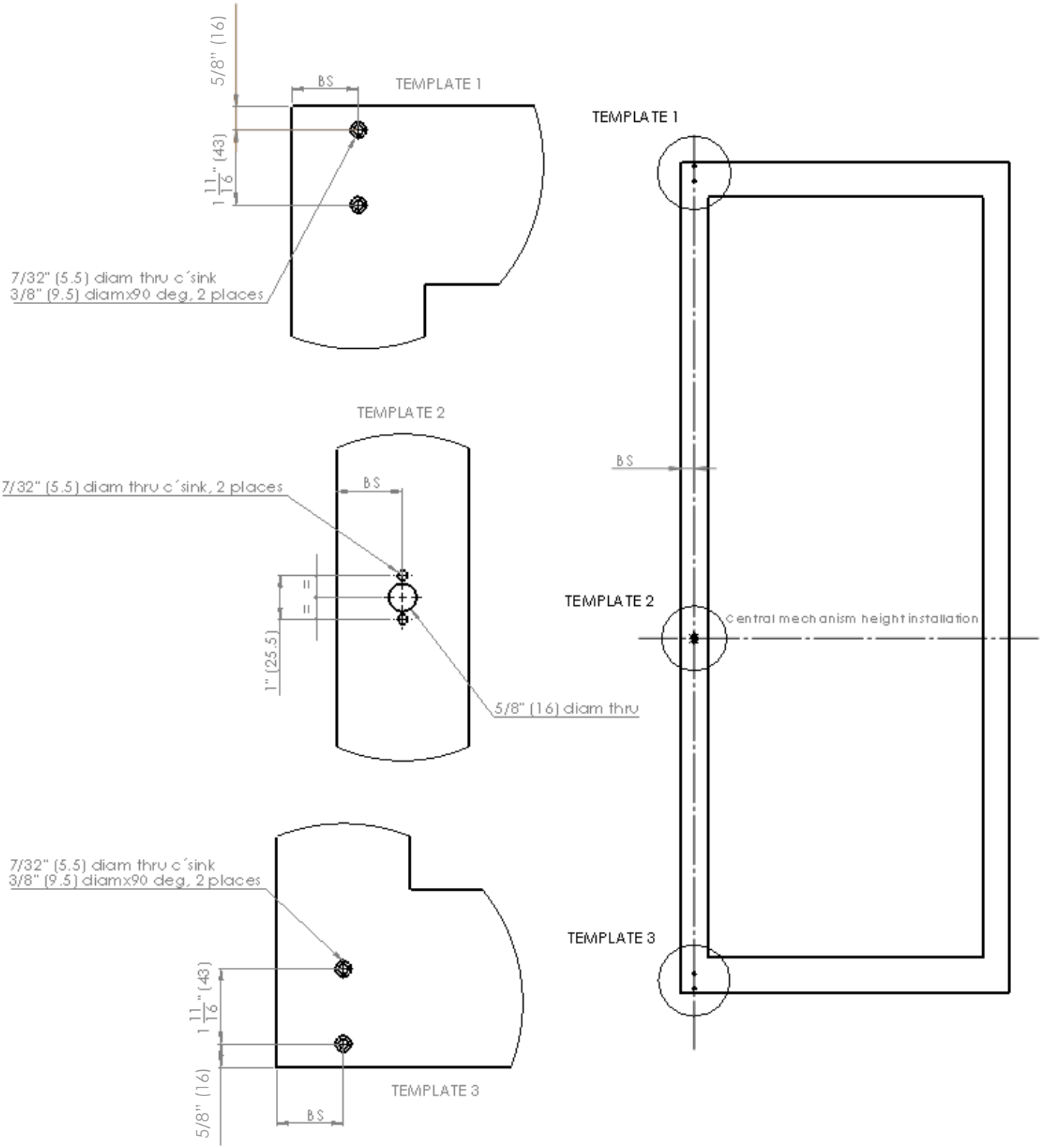
LHR SHOWN (INSIDE)

Note: BS(backset)= 1 ½”



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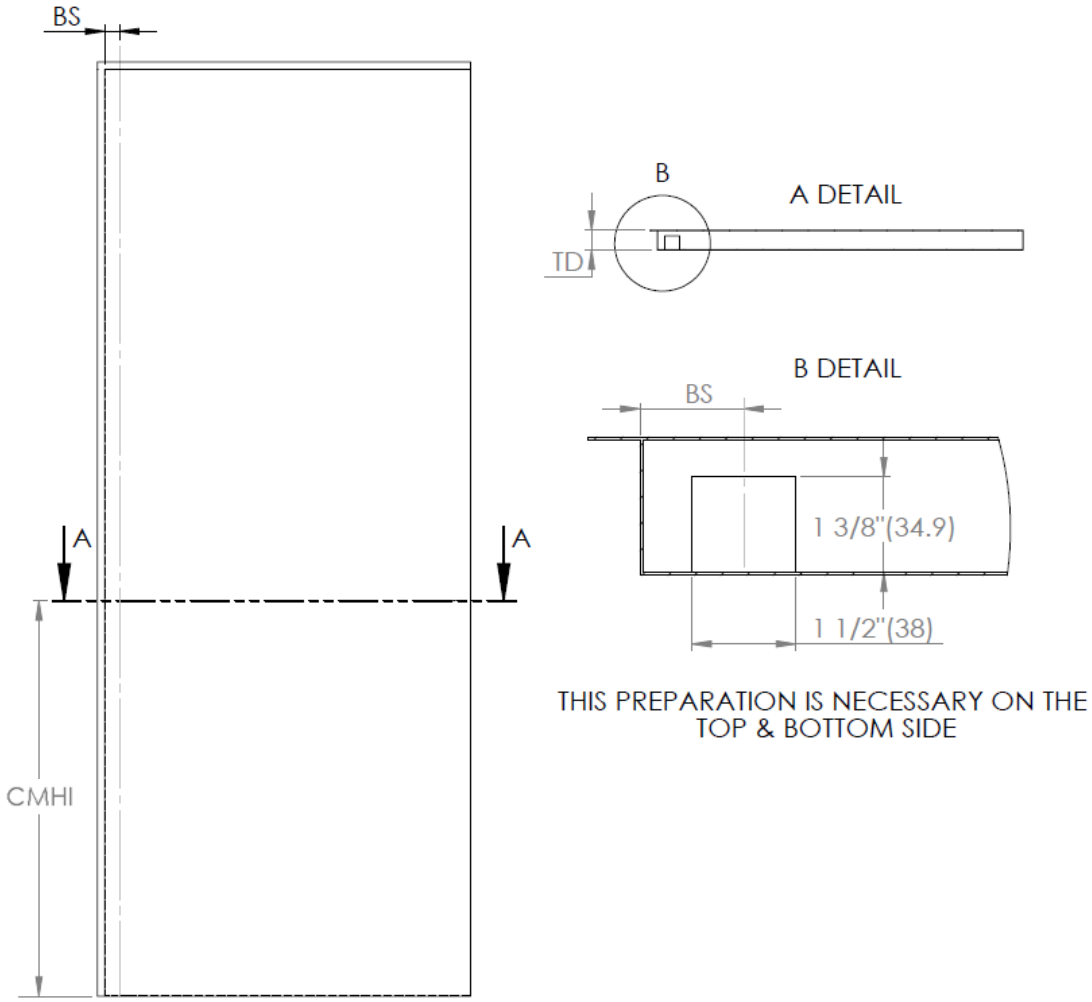
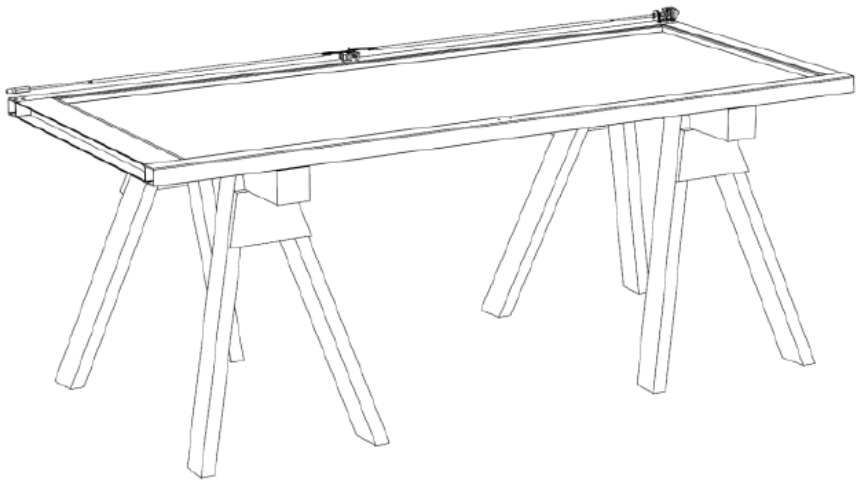
ADDITIONALS PREPARATIONS FOR HOLLOW METAL DOORS:



INSTALLATION:

1. Place the door assembly on a saw horse with the inside surface facing up.



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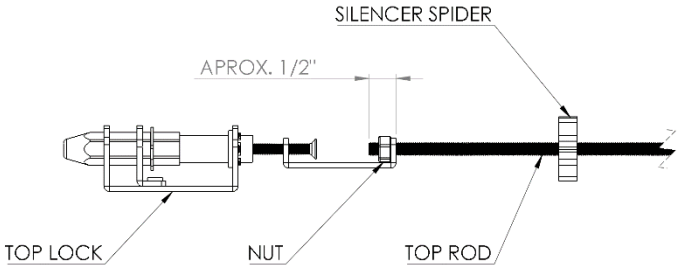
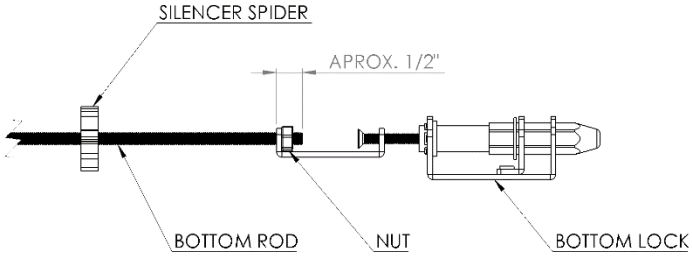
2. Place the top and bottom rod into the top and bottom lock, insert the rods into the silencer spider and insert the rod approximately 1/2" as shown in the image and adjust with the nut with wrench 7/16”.

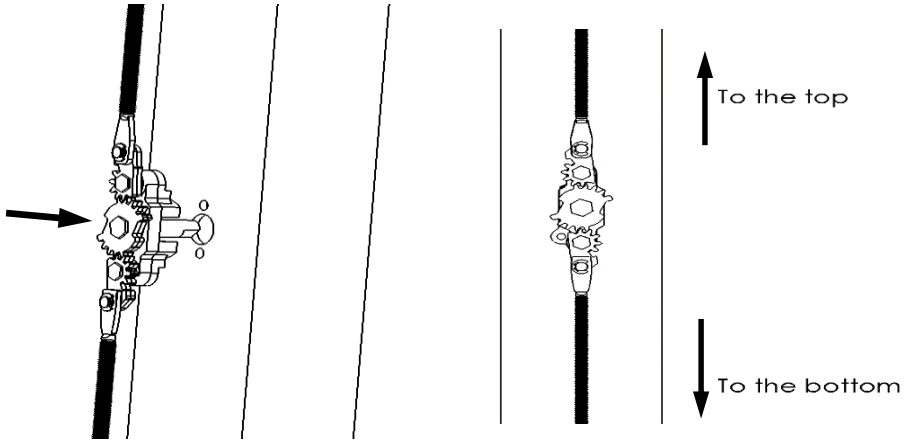
TOP ASSEMBLY



BOTTOM ASSEMBLY



3. Place the rod assembly on the face of the door with the center mechanism aligned with the installation hole; and extend the rods fully.



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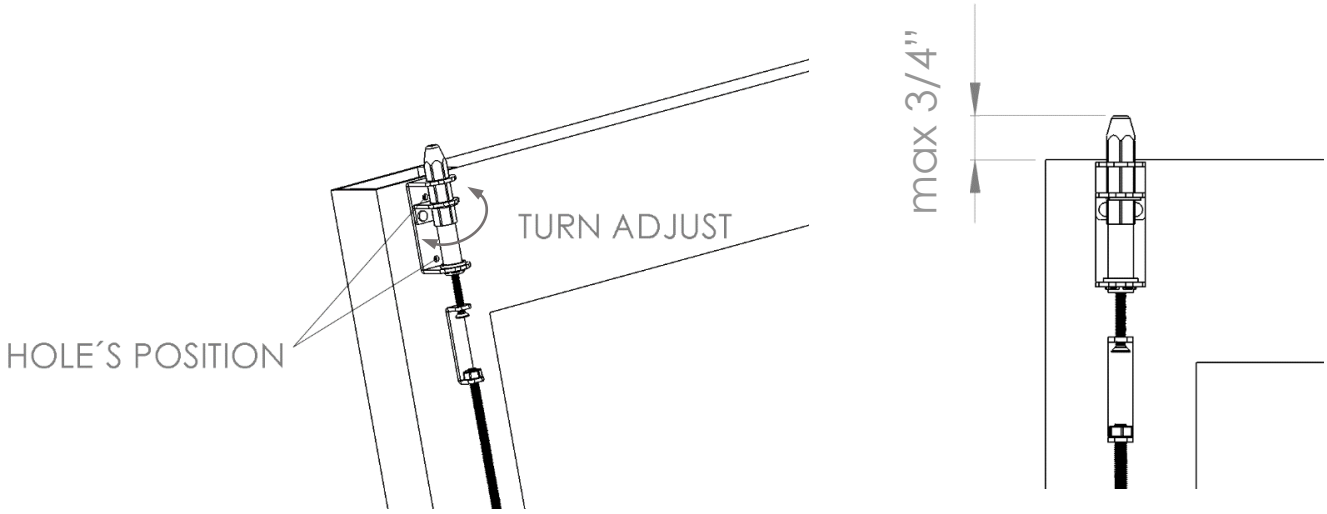
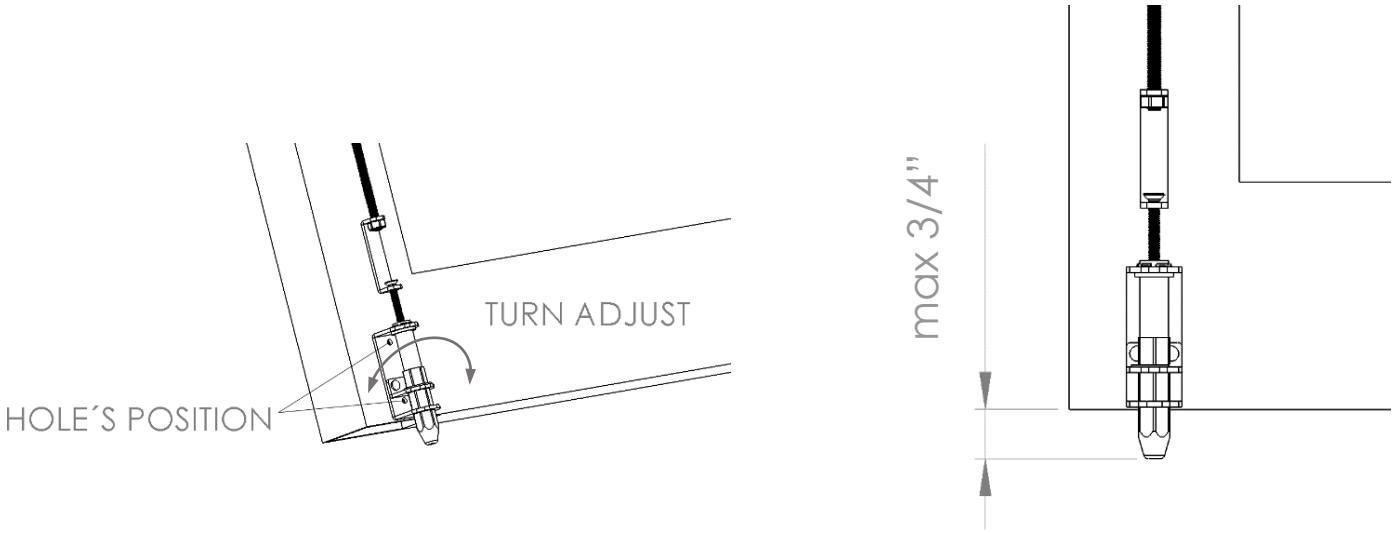
4. Adjust the top lock matching the position holes of the preparation, for this turn in clock or anti-clock side the top lock. Maximum projection from the top edge of the door is recommended.



5. Adjust the bottom lock turning in clock or anti-clock side the bottom lock as shown in the picture (2 full rotations equivalent to 7/64" projection). The minimum recommended projection is 1/2"+gap (edge door with floor). The standard max projection its 3/4”.



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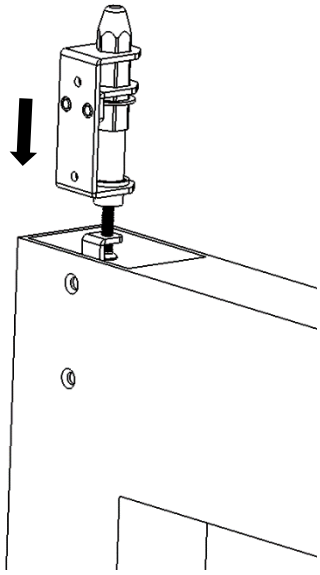
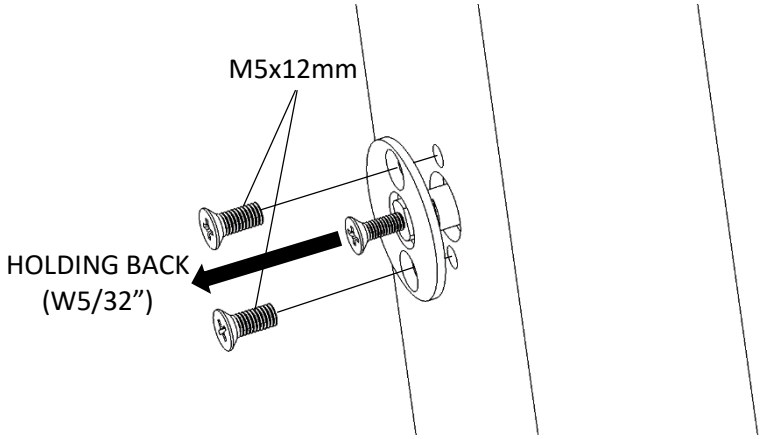
6. Being careful not to bend the rods, slide rod assembly through the top end of the latch stile towards the center of the door until the bottom bolt reaches the bottom of the stile.



7. Align the central mechanism with the central inner hole, help yourself with the W5/32”x1/2” screw by screwing it to the central mechanism as shown in the image. Fix the assembly by means of the indicator washer and using the flat head screws M5x12mm. Remove the W5/32" screw once mechanism attachment is complete.



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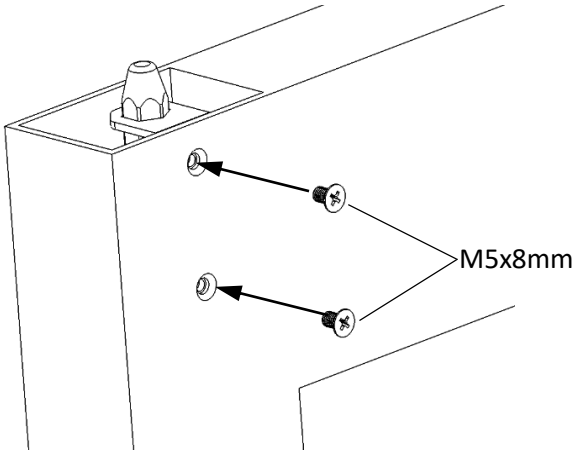
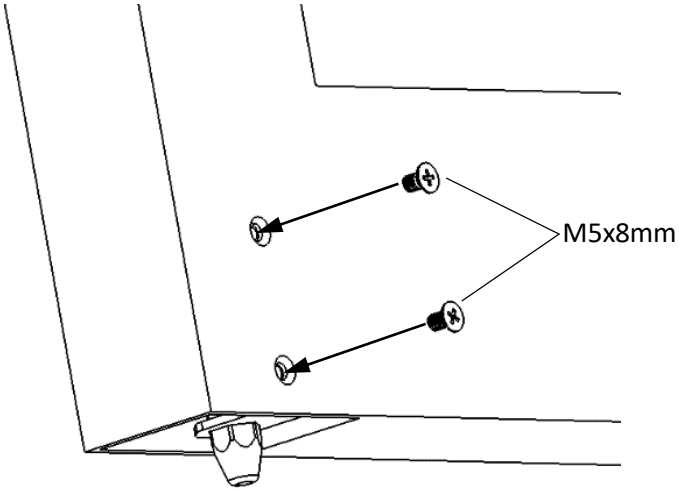
8. Secure the top lock with two (2) provided M5x8mm flat head screws.



9. Secure the bottom lock with two (2) provided M5x8mm flat head screws.



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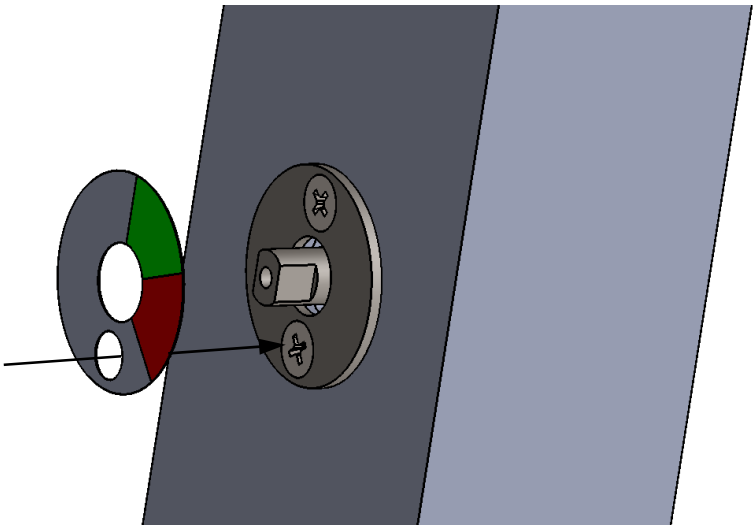
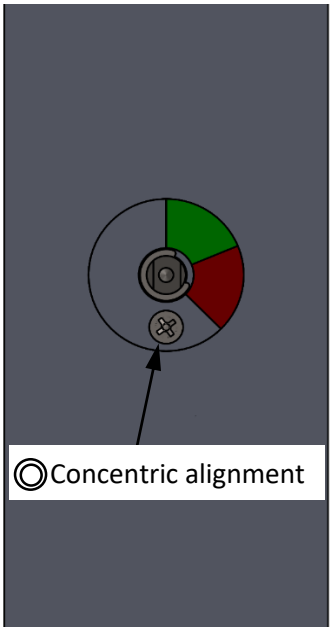
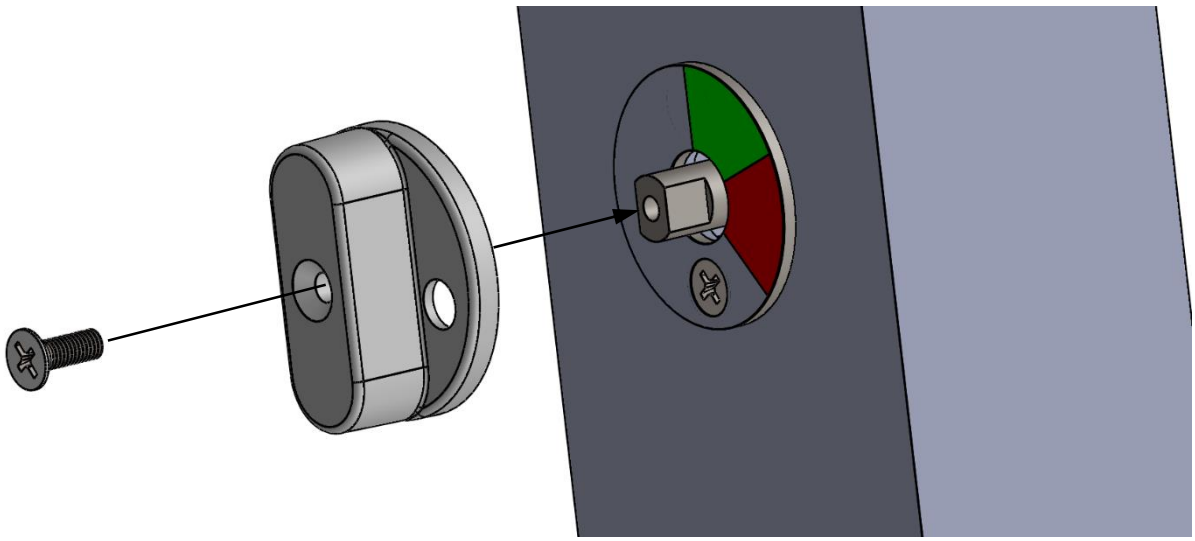
10. Take the indicator sticker and affix it by aligning the center of the sticker hole with the lower screw, so that the color indication is always on the right side (for both direction of doors).





11. Position the knob by screwing it to the stem of the central mechanism using the W5/32”x1/2” screw.



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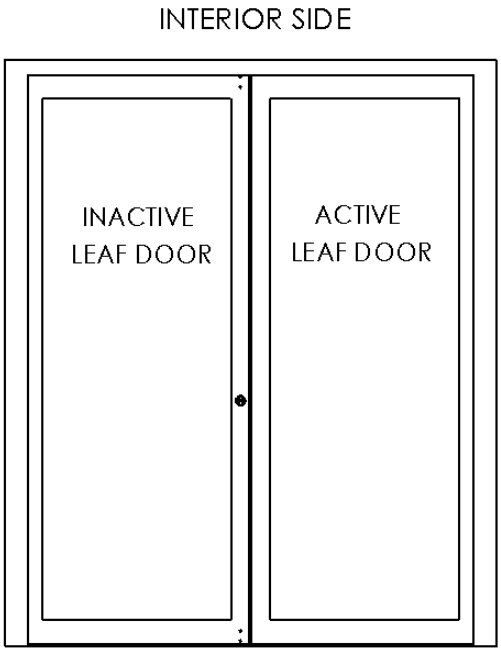
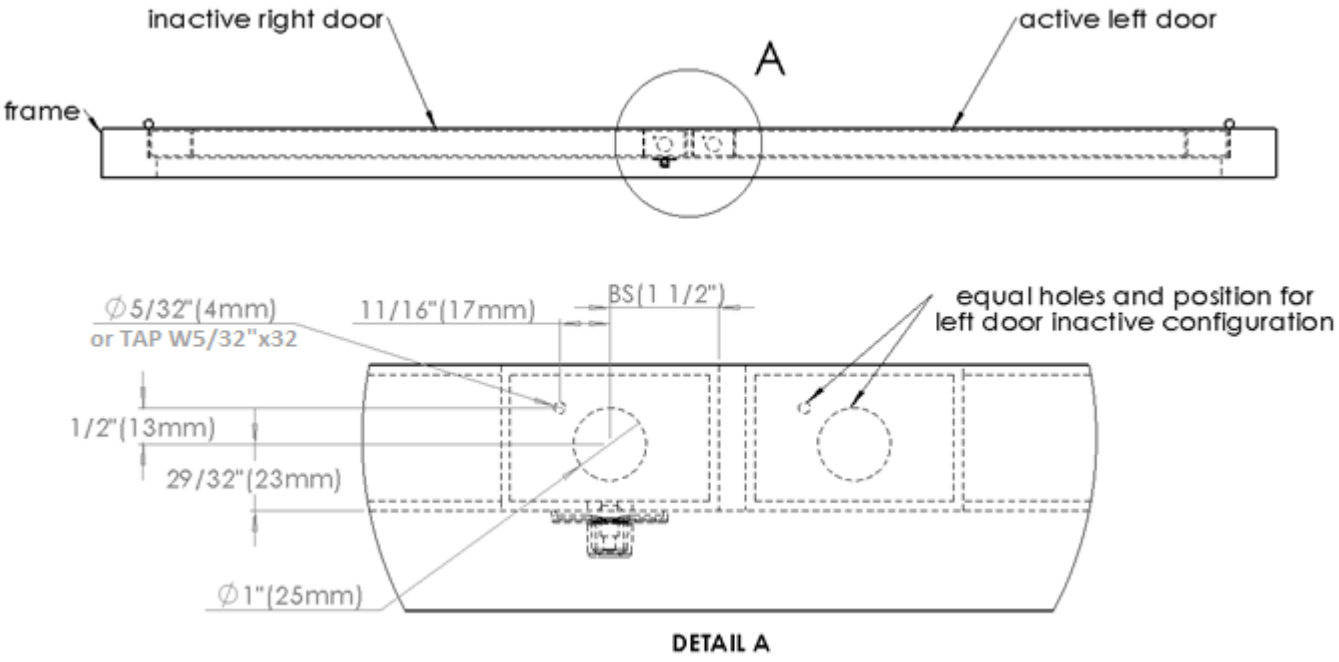
PREPARING THE TOP AND BOTTOM STRIKE INSTALLATION

1. Position door inside opening such that it is plumb and square, and door freely swings open. Install door according to manufacturer's instructions.



2. Mark and drill the hole's locations for strikes (top and bottom) as shown in the pictures.



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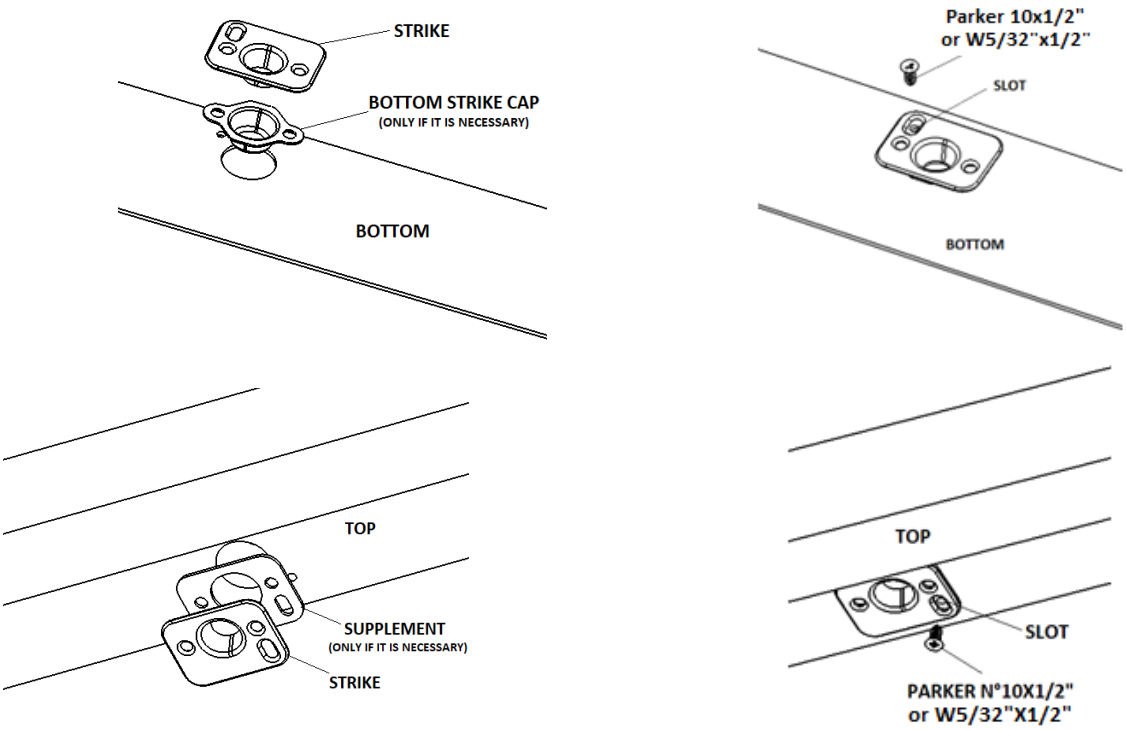
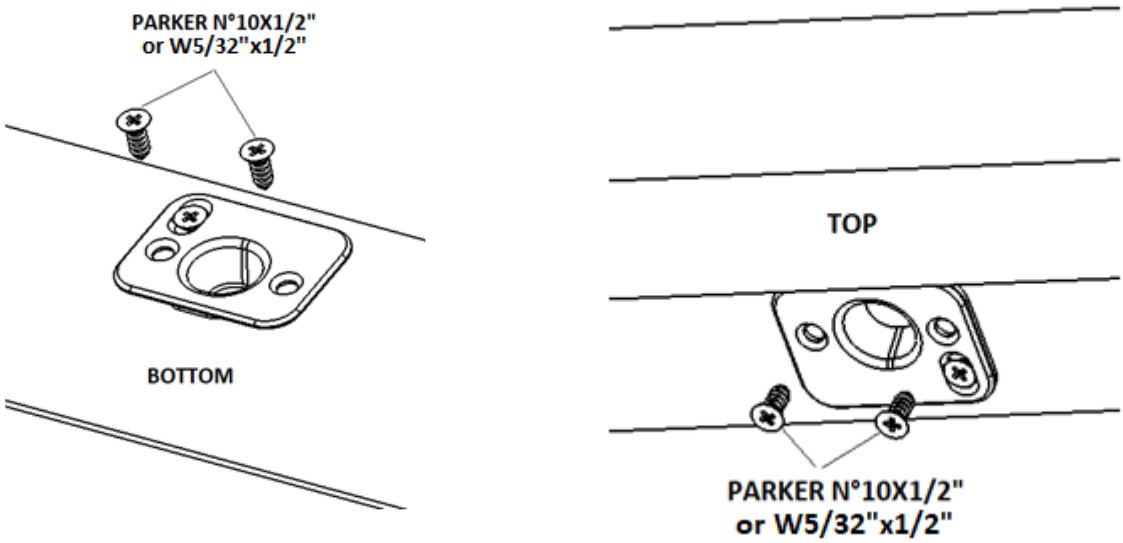
3. Fix the 2 strikes (top & bottom) with a single screw parker 10x1/2” or W5/32”x1/2” in the slot. Apply also the bottom strike cap only if necessary.



4. Once the position of both strikes (top & bottom) is defined, mark and drill the remaining 2 holes and fix the strikes with the 2 Parker screws N°10x1/2" or W5/32”x1/2” as shown in the image.



5. Finally, check the general operation of the hardware and verify the correct closing and opening of the door (there should be no gap in the closure) and adjust the top & bottom bolt projection if necessary.

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TEMPLATES

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