9.5" Patch Rail
Installation Instructions

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Glass Fabrications*

Fabrication Sketch

Rail Height	Notch	Bite
4"	$3\frac{1}{8}$" x $8\frac{7}{8}$"	$\frac{7}{8}$"

* Glass fabrication is the same for Patch Rails with or without locks.
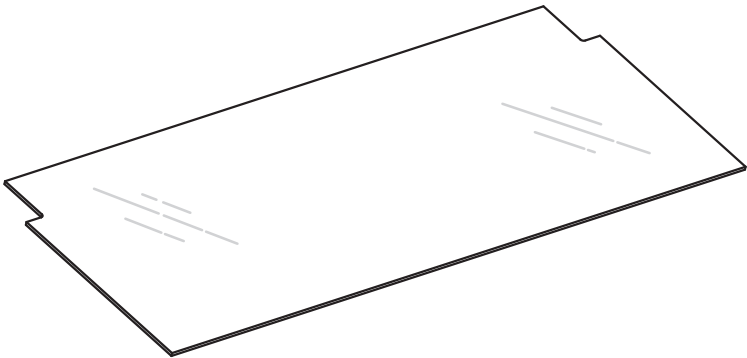
$8\frac{7}{8}$"

$3\frac{1}{8}$"

R $\frac{1}{2}$"

1. Place glass flat on table.

- Table surface should be clean before glass placement.
- Make sure edge of glass is clean.
- DO NOT apply any other substance to edge of glass.

Note: Flat, polished edges are recommended for ease of door rail installation.

2. Slide patch rail into notch.

- Make sure rail is pushed onto glass until fully seated in bottom of wedges (See Figure 1).
- Align the vertical edge of the glass even with the end cap.
- For BP glass door application please see the Glass Solutions Door Rail Instructions for proper install on a full bottom rail.

Note: Ensure installed Patch Rail is square to the edge of glass. Utilize a framing square to make certain this is attained.
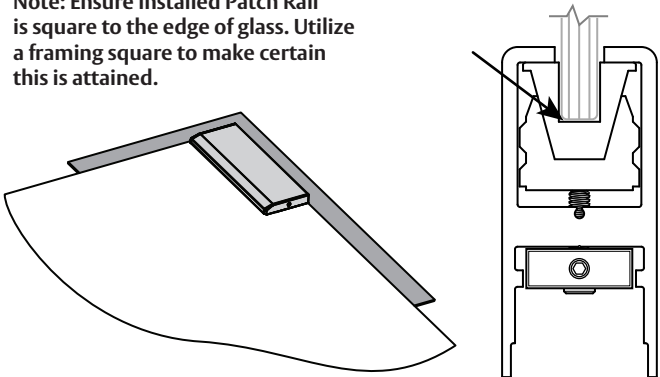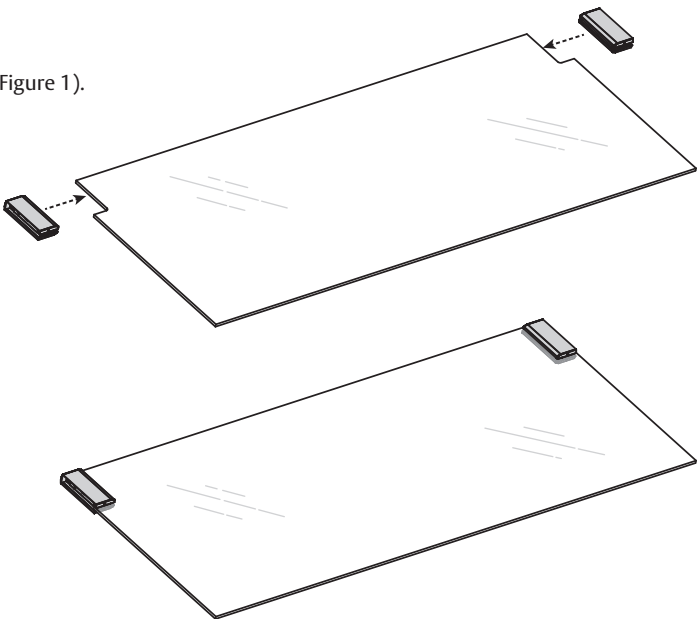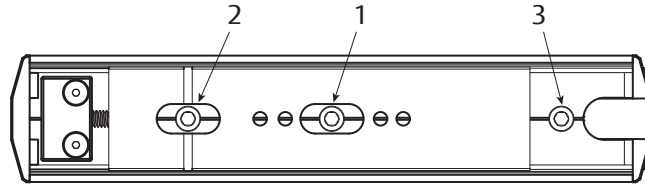
Figure 1

3. Tighten hex head bolts in bottom of rail.

- Hand tighten each hex head bolt in the numerical order indicated below.
- Torque each hex head bolt to a torque of 12 ft-lb to secure rail onto glass.
- In numerical order, starting with "1" in the center, check each hex head bolt to ensure the appropriate torque was applied, it may be necessary to re-tighten some hex head bolts.
- For BP glass door application please see the Glass Solutions Door Rail Instructions for proper install on a full bottom rail.
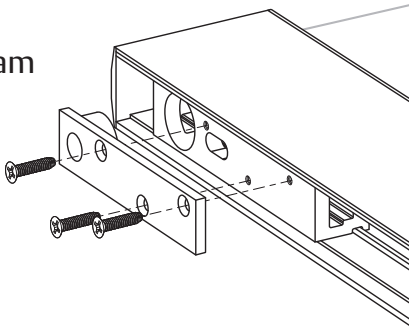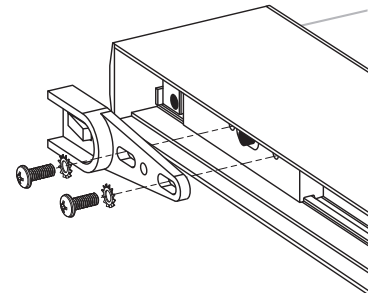

4. Install hardware components onto adjustable block.

4a. Standard Door Closer / Pivot Component Options

- Reference the manufacturer's installation instructions for the component hardware.
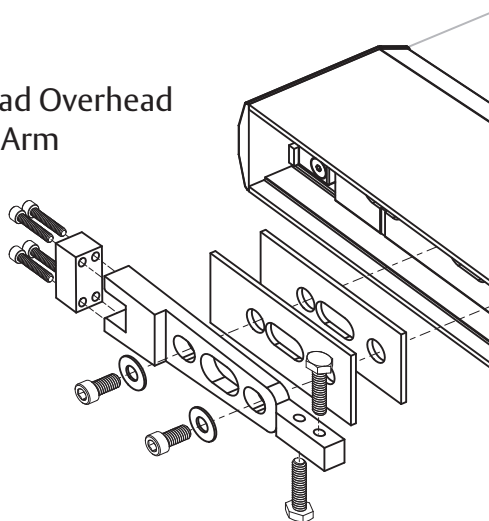- Apply thread locker to all screws when installing.

Walking Beam
Pivot Insert

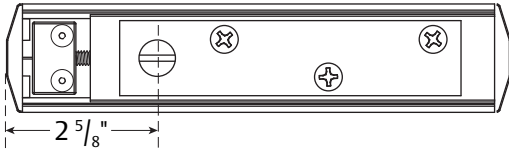Adjustable End
Load Bottom Pivot

End Load Overhead
Closer Arm

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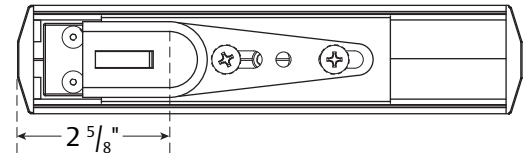
5. Adjust door hardware components.

- Make sure the pivot centerline is accurate.

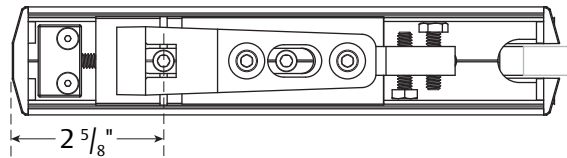**Note: Standard pivot centerline is 2 $\frac{5}{8}$" from edge of end cap.**

Walking Beam Pivot Insert

$\leftarrow$ 2 $\frac{5}{8}$" $\rightarrow$

Adjustable End Load Bottom Pivot

$\leftarrow$ 2 $\frac{5}{8}$" $\rightarrow$

End Load OHC Arm

$\leftarrow$ 2 $\frac{5}{8}$" $\rightarrow$
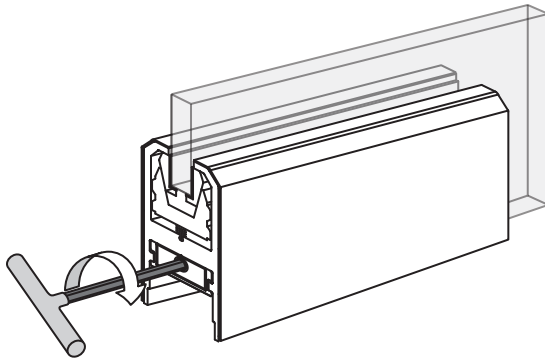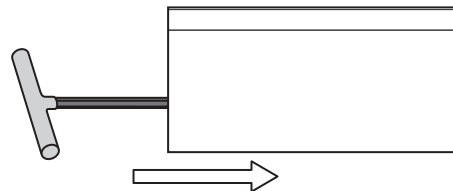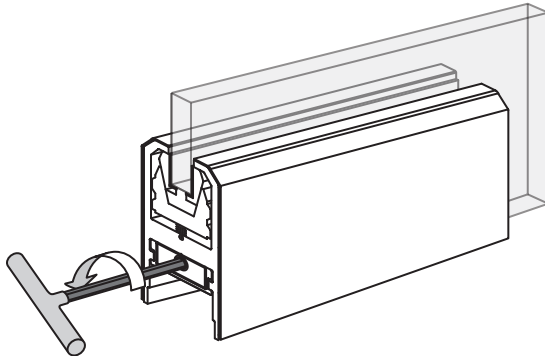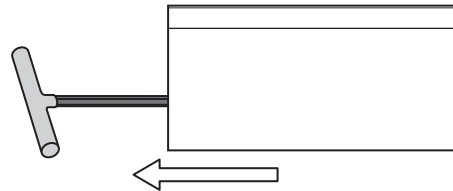
6. Adjusting Pivot Centerline.

- Once the door is hung in the opening ASSA ABLOY door rails are adjustable in the opening to ensure that the door is plumb within the opening by adjusting the pivot centerline
- This can be done by removing the end cap on the pivot side of the door
- Using a $\frac{3}{16}$" hex key and turning the adjustment screw within the hardware pocket of the door rail

Rotating the $\frac{3}{16}$" hex key clockwise will move the pivot centerline back towards the frame.

- Rotating the $\frac{3}{16}$" hex key counter clockwise will move the pivot centerline towards the lead edge of the door
- If the hex key no longer rotates freely, the adjustable blocking within the rail is either at it's maximum or minimum. Do not overtighten the hex key.

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