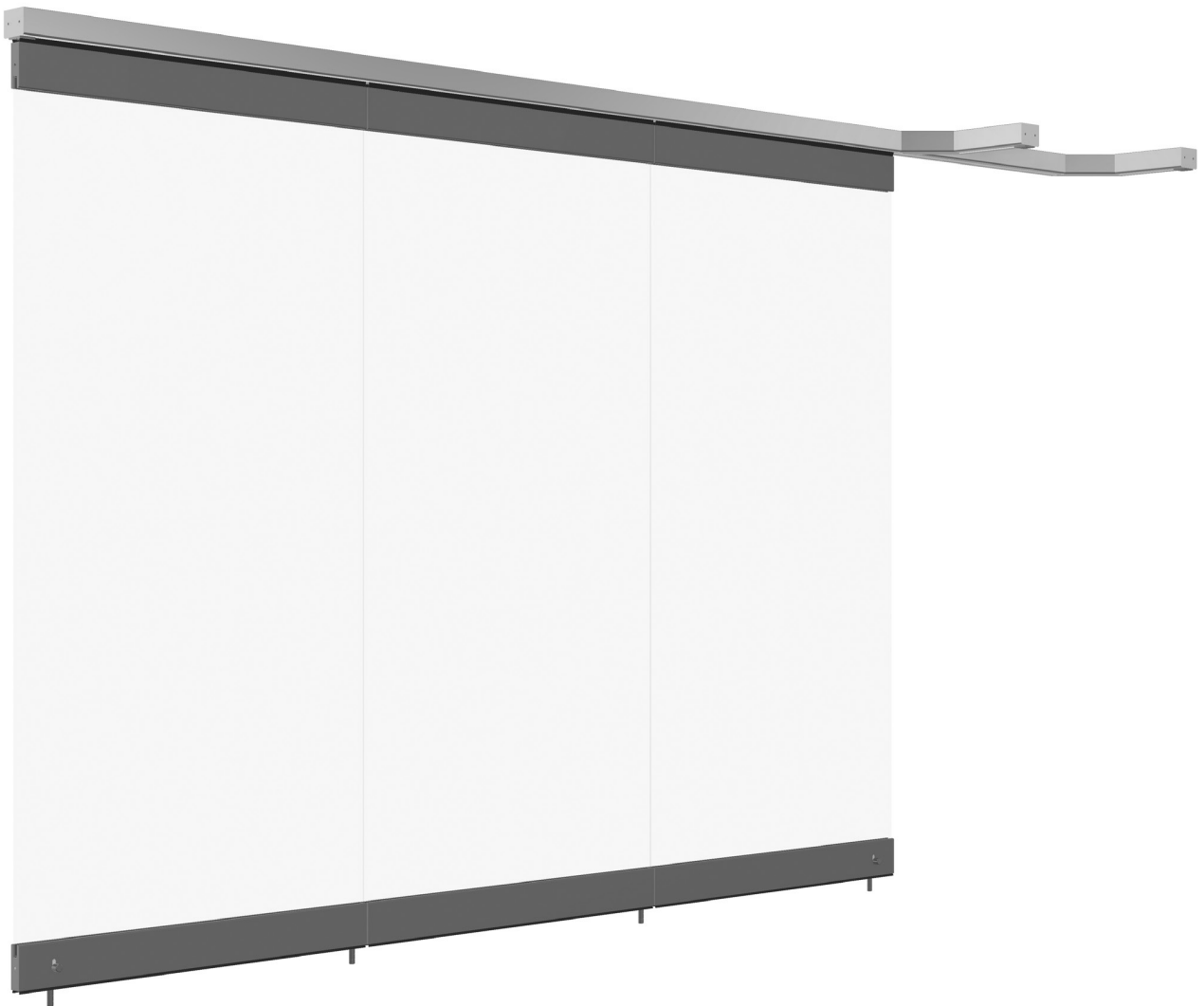


# EASY SLIDE SPS STACKING PARTITION SYSTEM



# INTRODUCTION

## CRL EASY SLIDE SPS STACKING PARTITION SYSTEM

### IMPORTANT NOTES:

- 1) The CRL Easy Slide SPS Stacking Partition System has unique structural support requirements. Please request or download, free of charge, our "SPS Structural Engineering Design Guide" for use by the architectural/engineering design group on this project.
- 2) Fasten Track to the overhead support structure with 3/8" (10) Hex Head type fasteners made from one of the following materials: A307 galvanized or A316 stainless steel. Always use Lock Washers.
- 3) All glass should be fully tempered with polished edges. Laminated glass should not be used with CRL Wedge-Lock Rails. However, laminated glass can be used for fully framed wall Panel installations.
- 4) Track is pre-drilled to allow for mounting directly to concrete, metal or wood. Please consult with CRL Technical Sales. Fasteners to attach Track or brackets to structure are not provided by CRL.

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## Tools Required

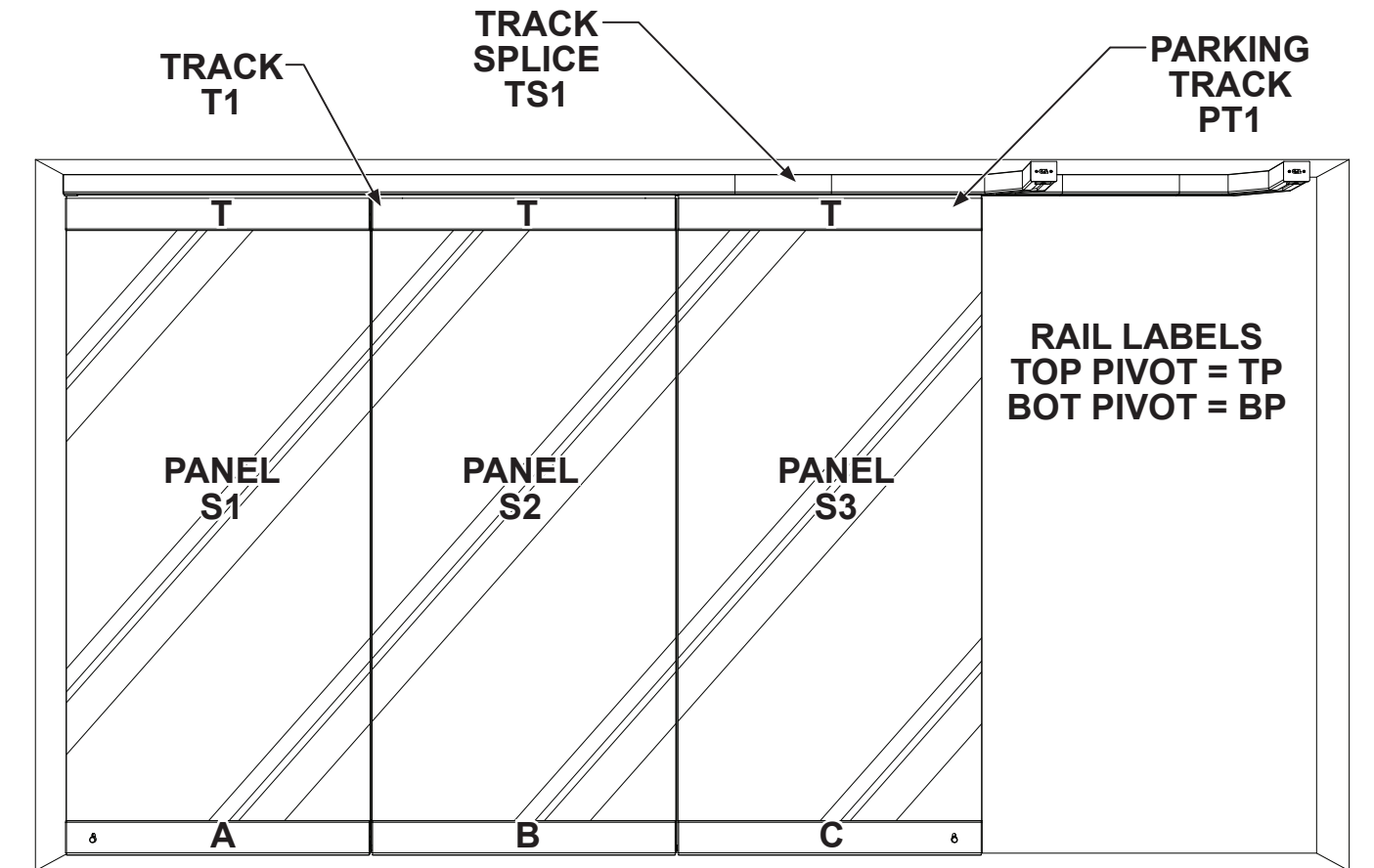
- 3/8" Ratchet Wrench with 3" Extension
- 3/8" Hex Head Socket
- 3/16" Hex Bit Socket or T-Handle Hex Tool
- 7/32" Hex Bit Socket or T-Handle Hex Tool
- 2 mm Hex Bit Socket or T-Handle Hex Tool
- Hammer with Smooth Face
- Saw Horses (Two)
- CRL PLS2 Palm Laser Level or
- Optional Conventional Level
- CRL Glass Cleaner
- Cordless Drill
- #1 Phillips Screwdriver
- Circular Table/Bench Saw with Aluminum Cutting Blade

The rapidly changing technology within the architectural aluminum products industry demands that C.R. Laurence/U.S. Aluminum reserve the right to revise, discontinue, or change any product line, specification, or electronic media without prior written notice.

**NOTE:** Dimensions in parentheses ( ) are millimeters unless otherwise noted.

## Door Panel Layout

Read these instructions completely before beginning the installation.



### INTERIOR VIEW

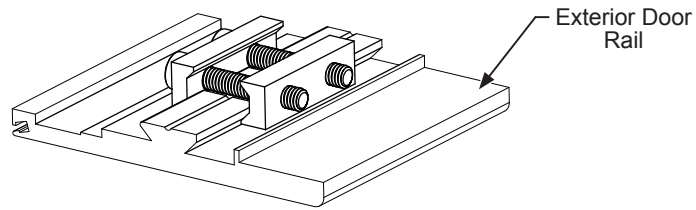
#### Before Track Installation, Consider the Following:

1. Review the Component Placement Plan provided by CRL to determine placement of the Track components. Each component is labeled to match its designated location on the plan.
2. CRL provides mounting systems for attaching Track directly to concrete, metal, and wood. When mounting Track directly to building structure, it is important that the mounting surface be level and parallel to the floor. The use of CRL shims to correct minor variations is acceptable.
3. Measure from the Track-mounting surface to the floor at multiple locations. The floor should be flat in all areas of Panel movement. Abrupt changes in elevation can force all Panels to be elevated above the nominal 1/4" (6.4) floor clearance. They must all clear the highest elevation when moving toward the parking area.
4. 1/4" (6.4) is the nominal clearance between the floor and bottom Wall Panel Rails.

### Assemble Top Door Rails (see page 3 for orientation)

1. Insert the Rail Clamps onto the center lip of the Exterior Door Rail, loosely secure the clamps with the Socket Head screws.

#### RAIL (T)



Rail Clamps shown in position  
Figure 1

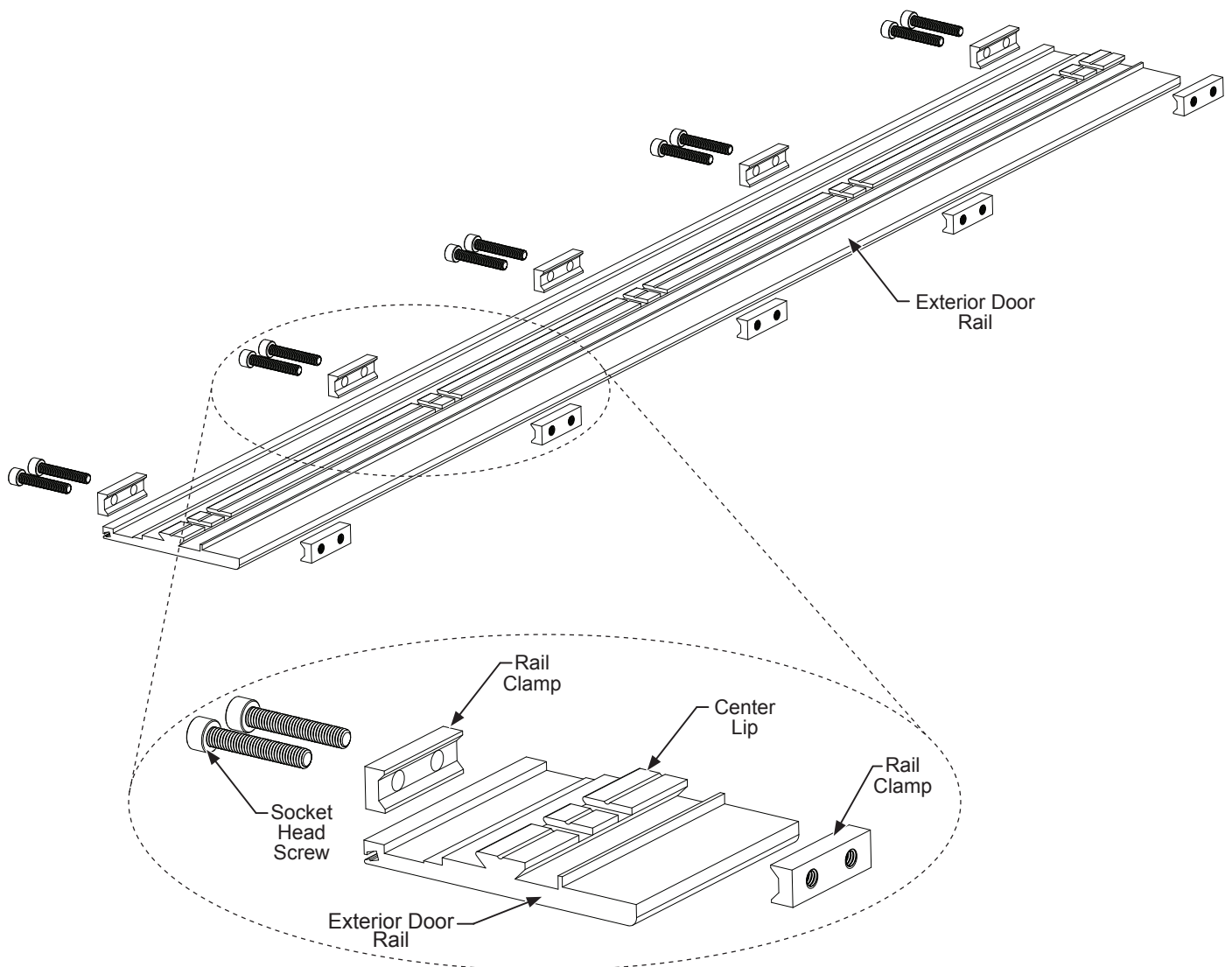


Figure 2

## Assemble Top Door Rails

2. Place and hold the Exterior Door Rail onto the Glass Panel.

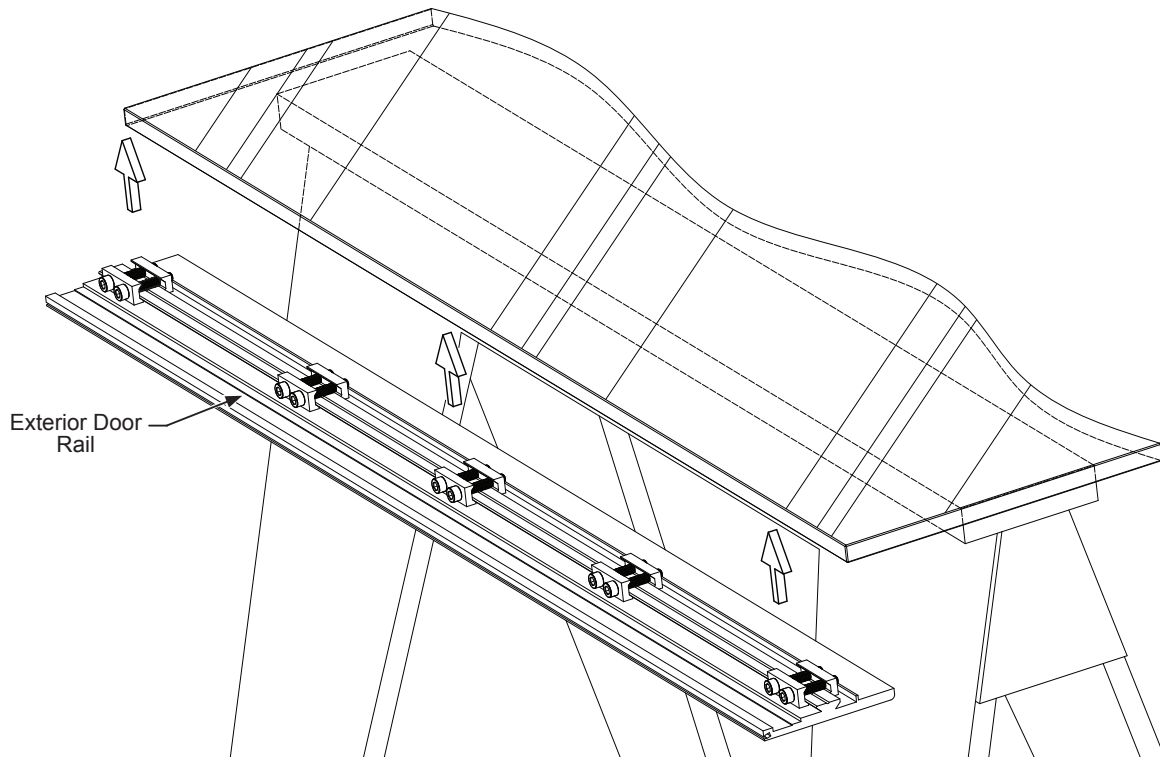


Figure 3

3. Insert the Roller Assemblies onto the Exterior Door rail. (See shop drawings for roller configuration)

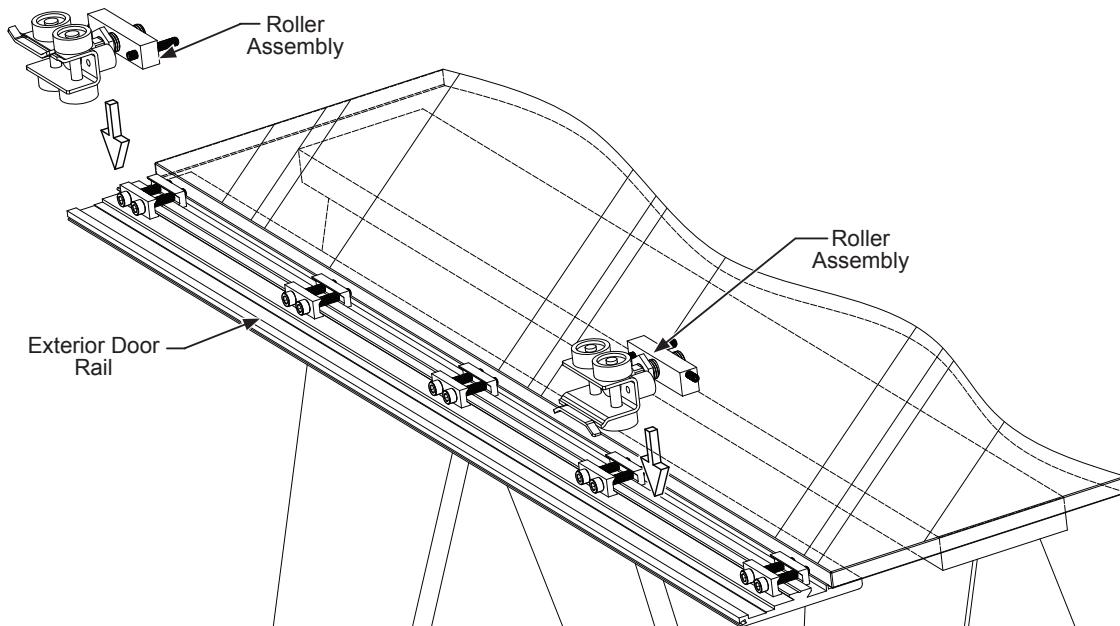


Figure 4

## Assemble Top Door Rails

4. Insert the Interior Door Rail onto the Rail Clamps.

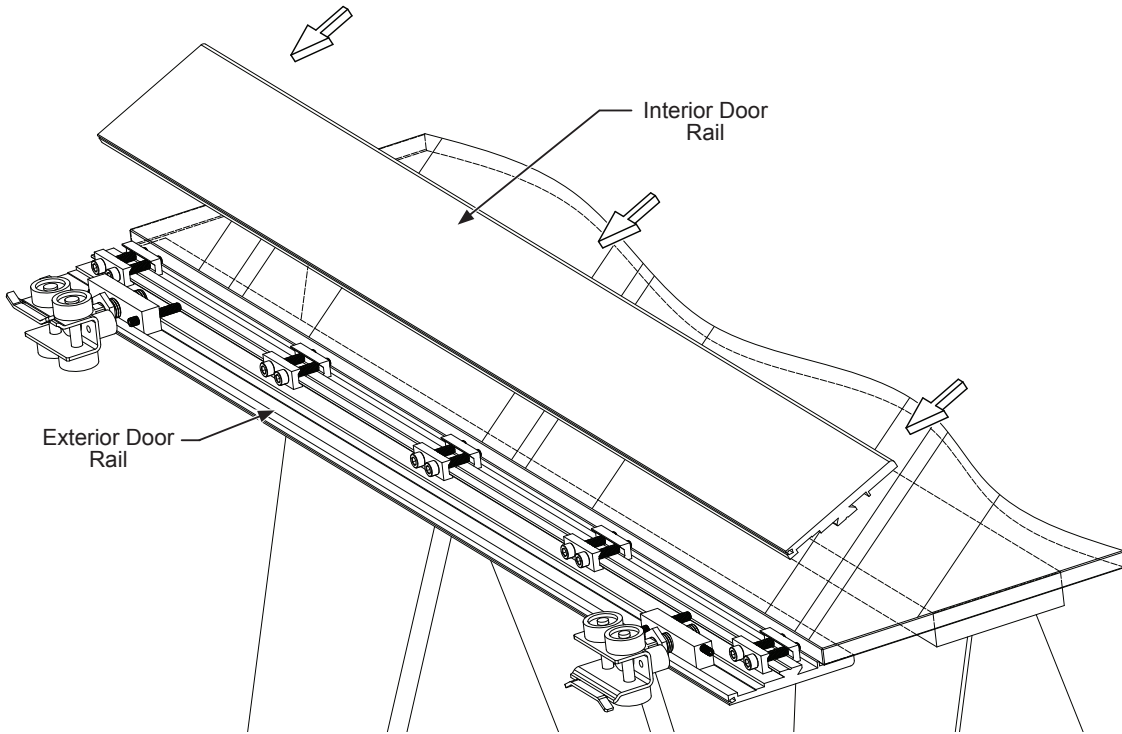


Figure 5

5. Secure the Door Rails by tightening the Socket Head Machine screws.

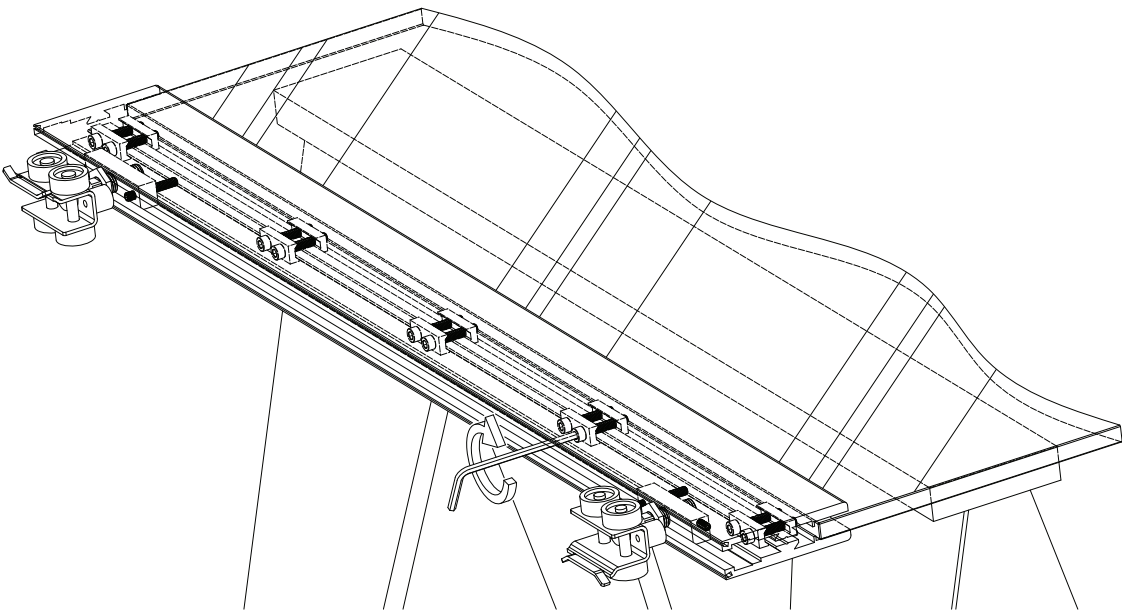


Figure 6

### Assemble Top Door Rails

6. Insert the Door Sweeps.

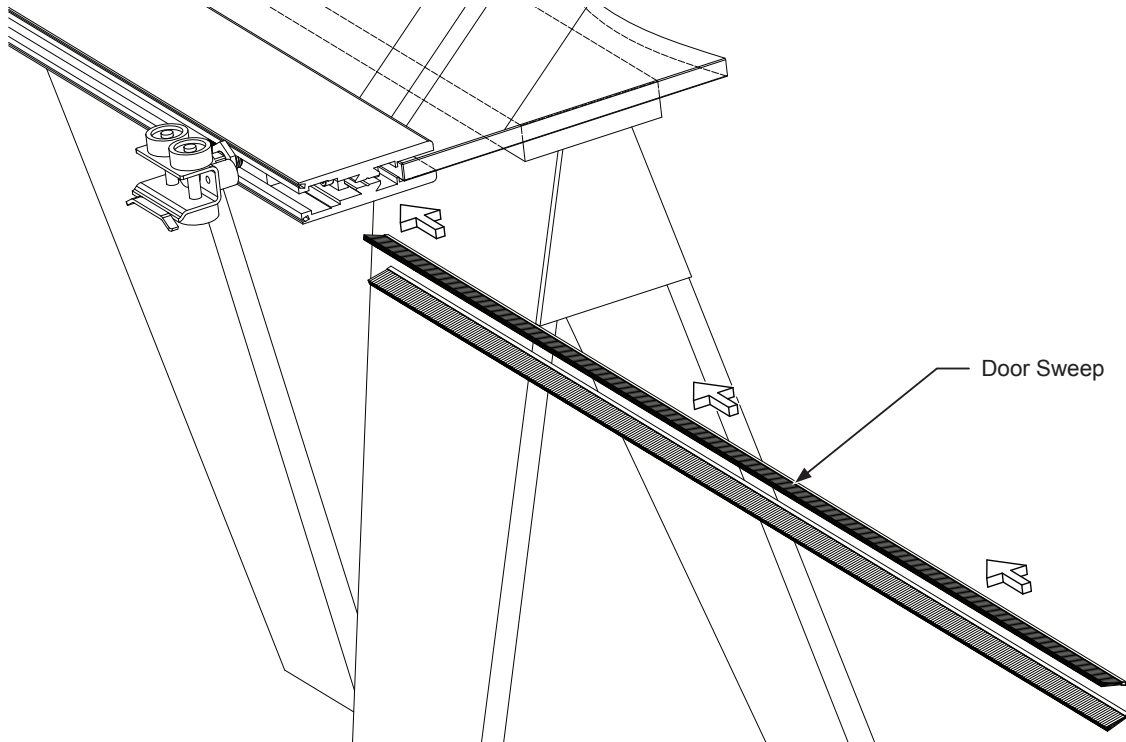


Figure 7

7. Remove the backing from the double sided tape and attach the cladding.

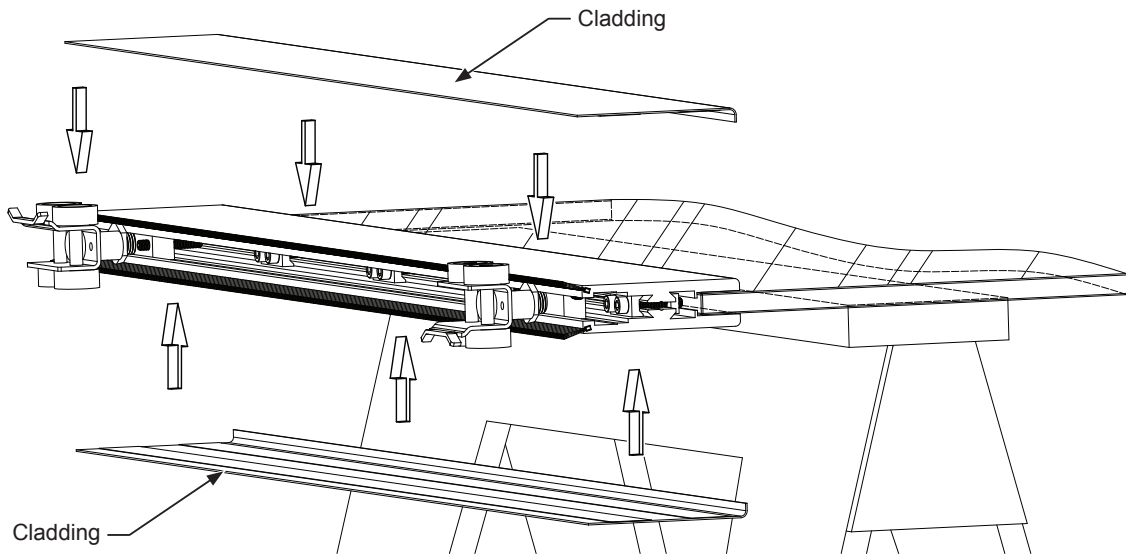


Figure 8

## Assemble Top Door Rails

8. Attach the End Caps.

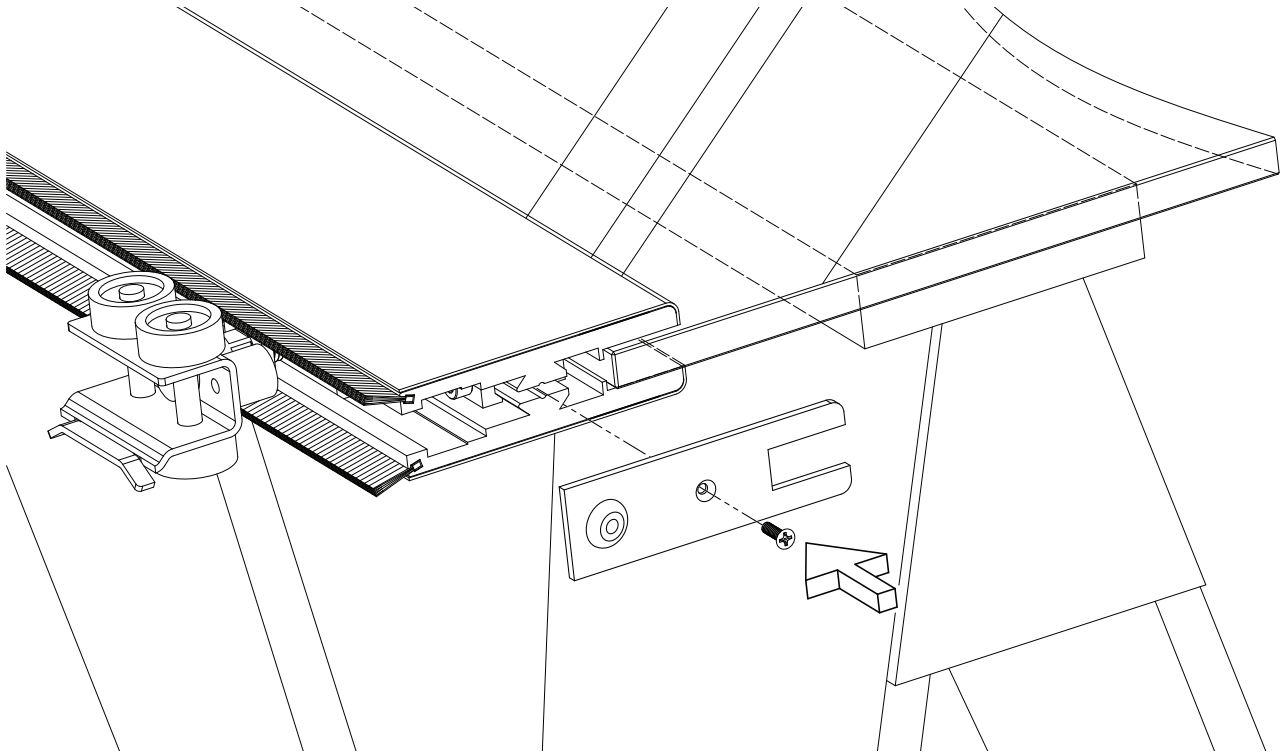


Figure 9



### Assemble Bottom Door Rail-Panels

9. Insert the Rail Clamps onto the center lip of the Exterior Door Rail, Loosely secure the clamps with Socket Head screws.

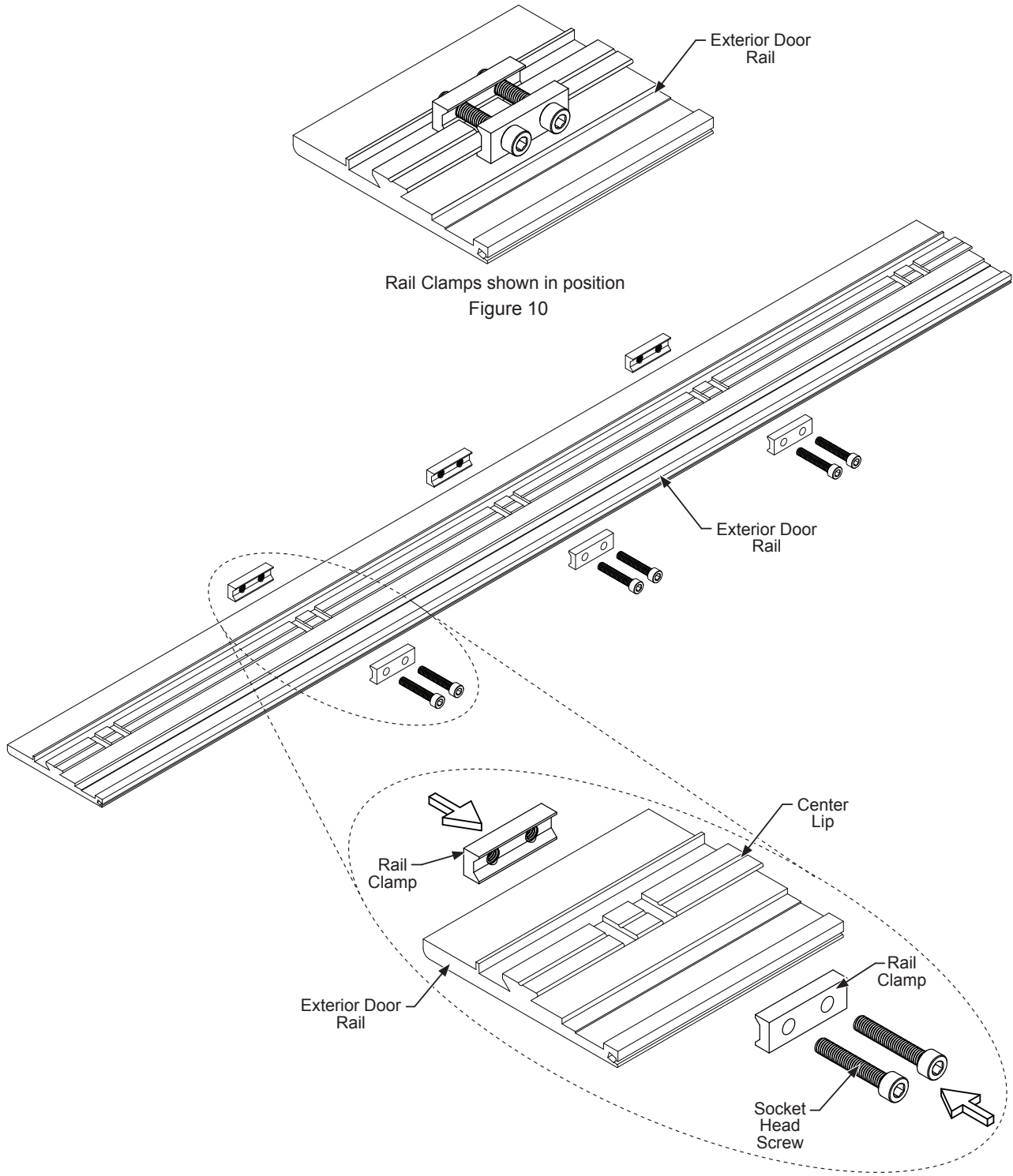
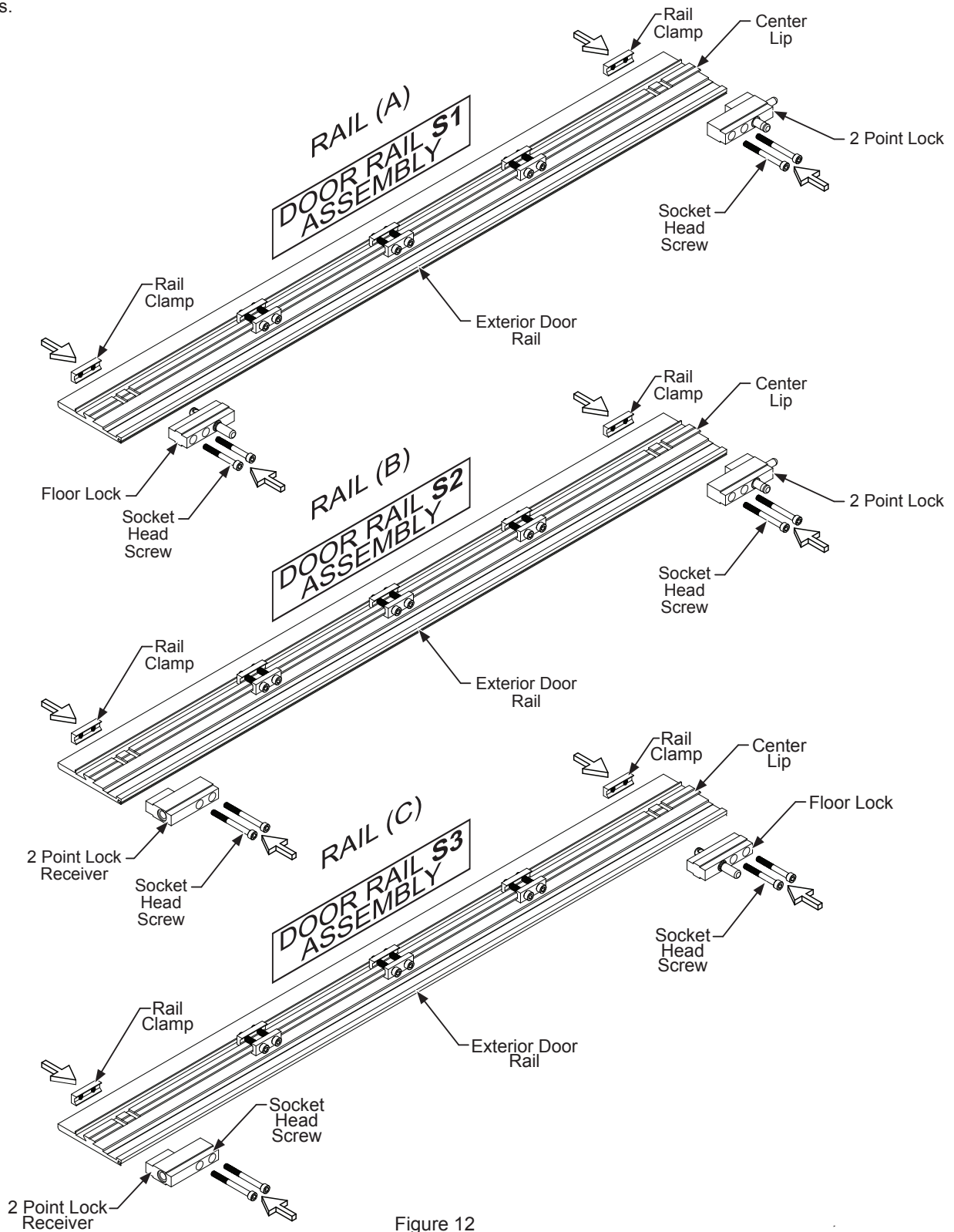


Figure 11

### Assemble Bottom Door Rail Panels

10. Insert the Locks and Receivers onto the center lip of the door rail. Loosely secure them with the Socket Head screws.



### Assemble Bottom Door Rail Panels (see page 3 for orientation)

11. Place and hold the Exterior Door Rail onto the Glass Panel.

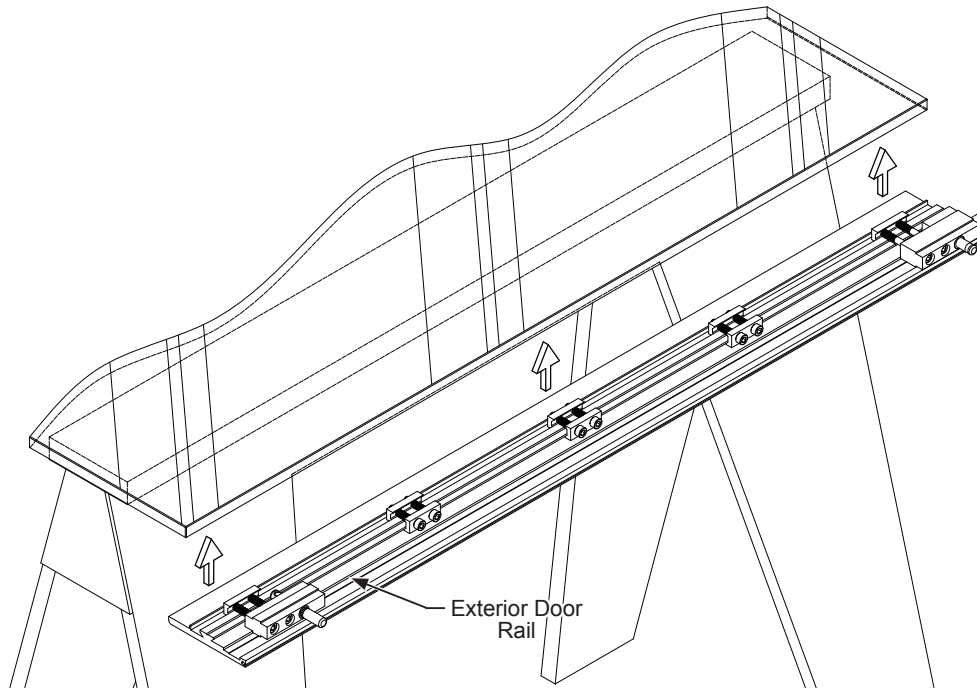


Figure 13

12. Insert the Interior Door Rail.

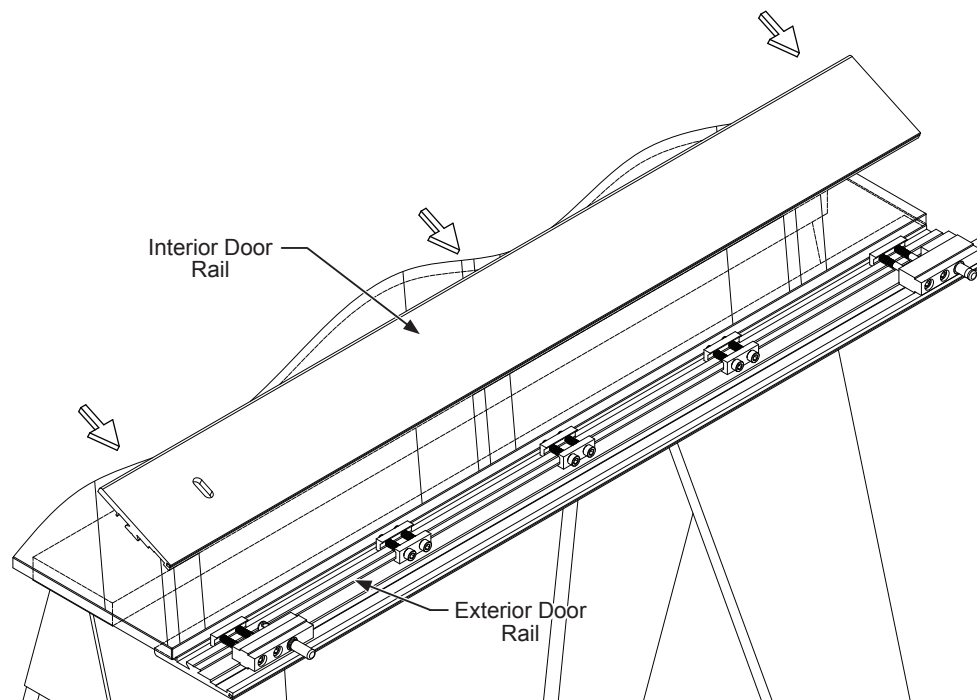


Figure 14

### Assemble Bottom Door Rail Panels (see page 3 for orientation)

13. Attach the Door Rails on to the Glass Panel by tightening the Socket Head Machine screws.

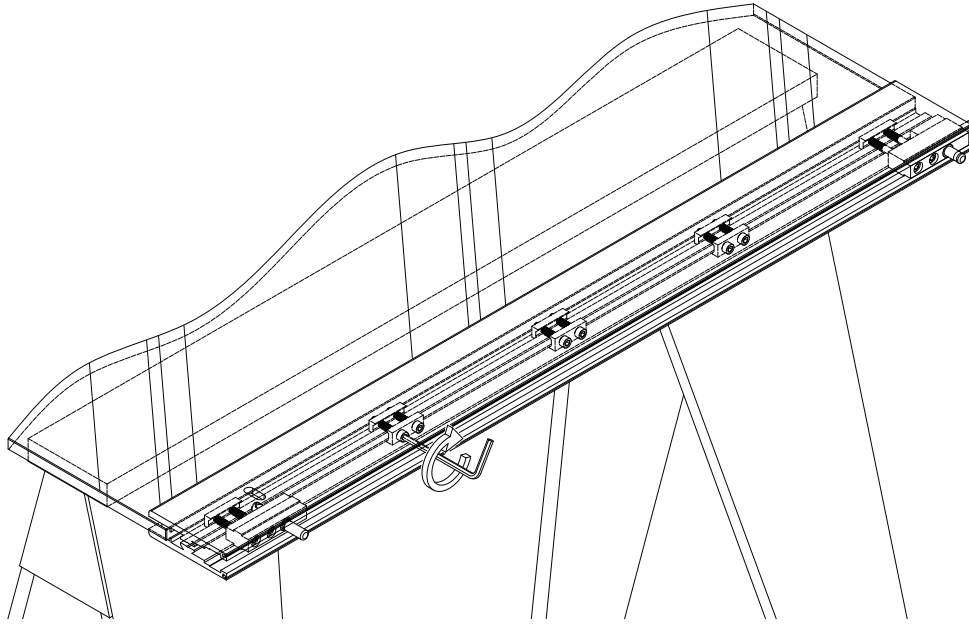


Figure 15

14. Insert the Door Sweeps.

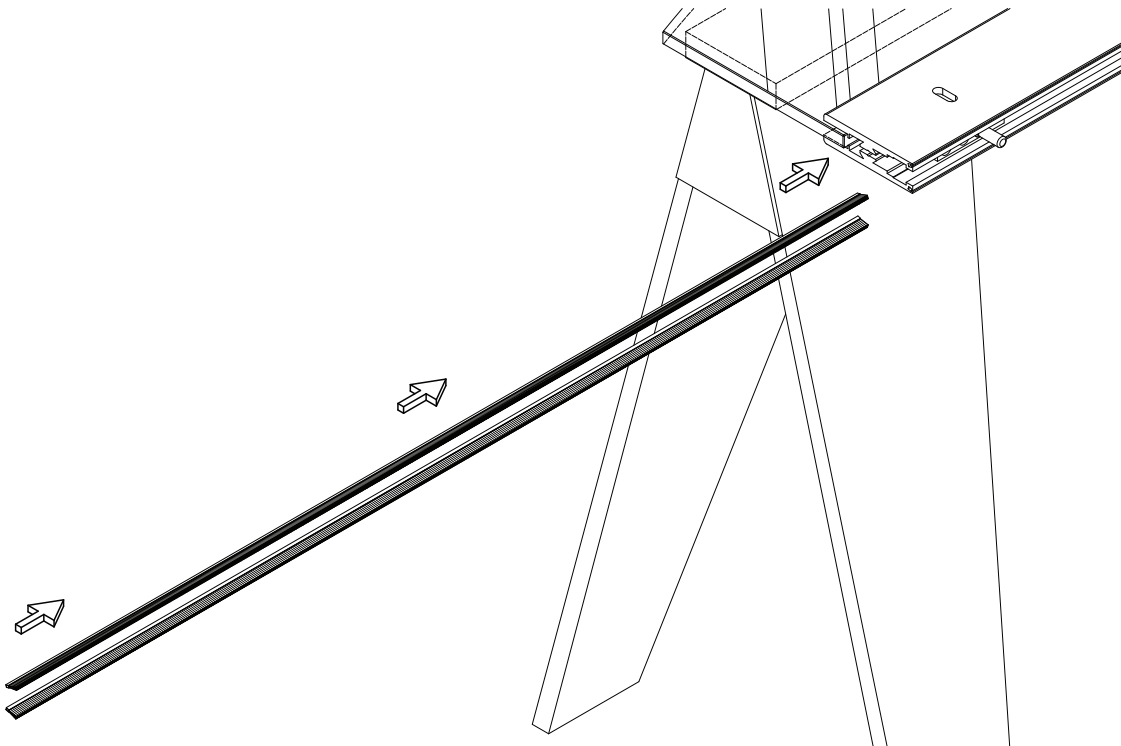


Figure 16

**Assemble Bottom Door Rail Panels (see page 3 for orientation)**

15. Peel off the backing from the double sided tape and attach the cladding. Insert the Floor Lock Thumb Latch.

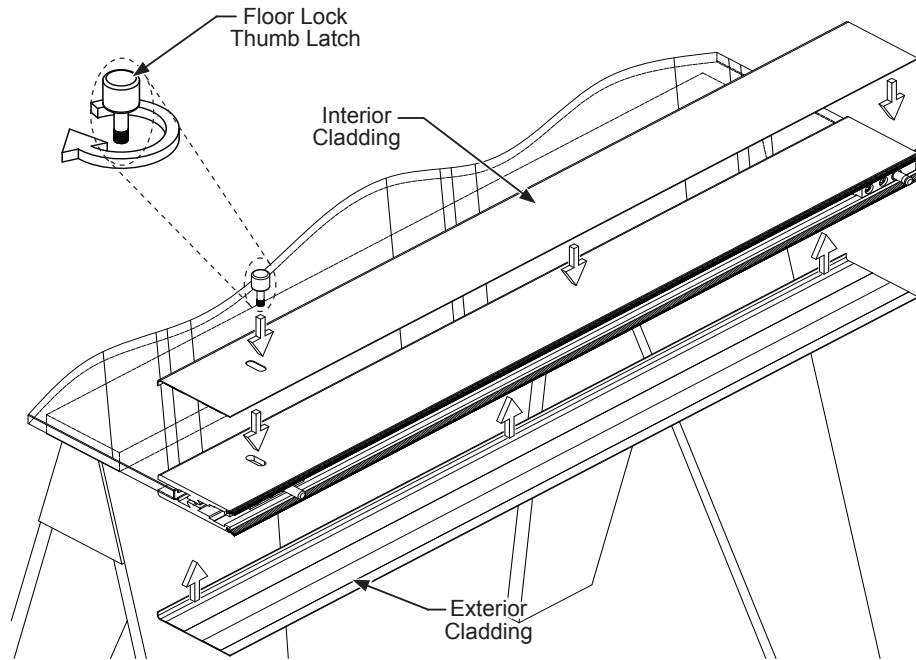


Figure 17

16. Attach the End Caps. End Caps will vary.

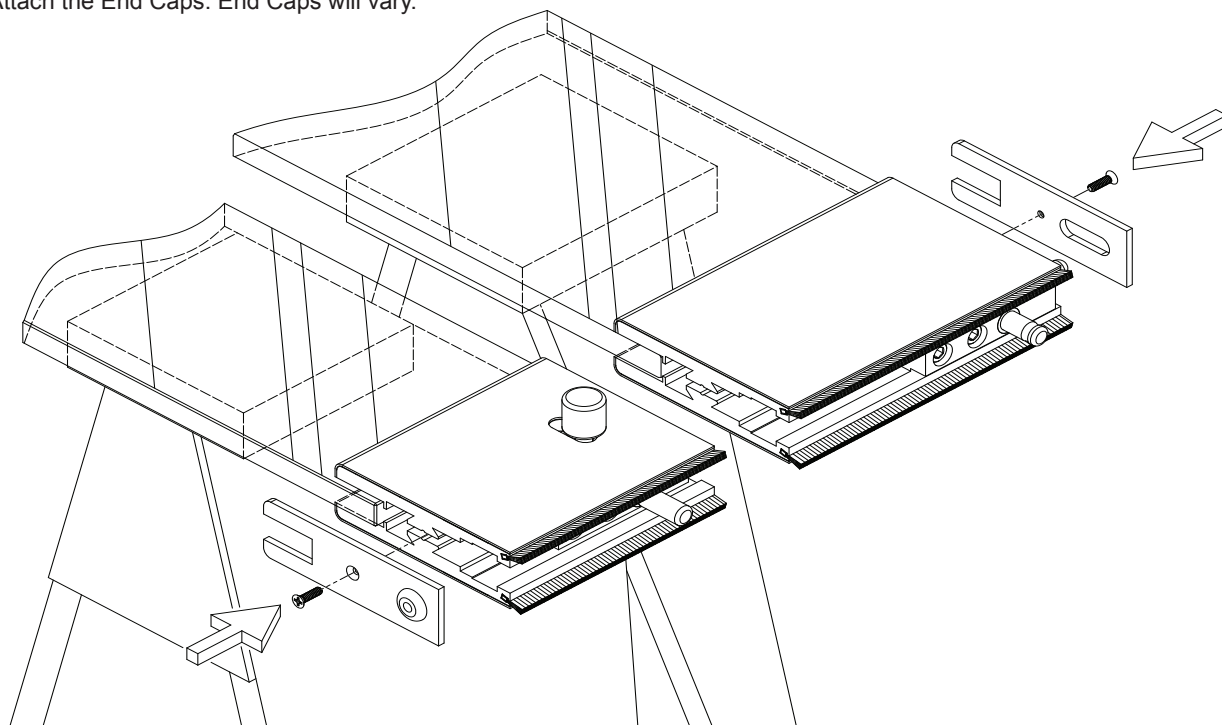


Figure 18

### Assemble The Parking Track - PT1

17. Insert the Alignment Strips and connect the Parking Track components.

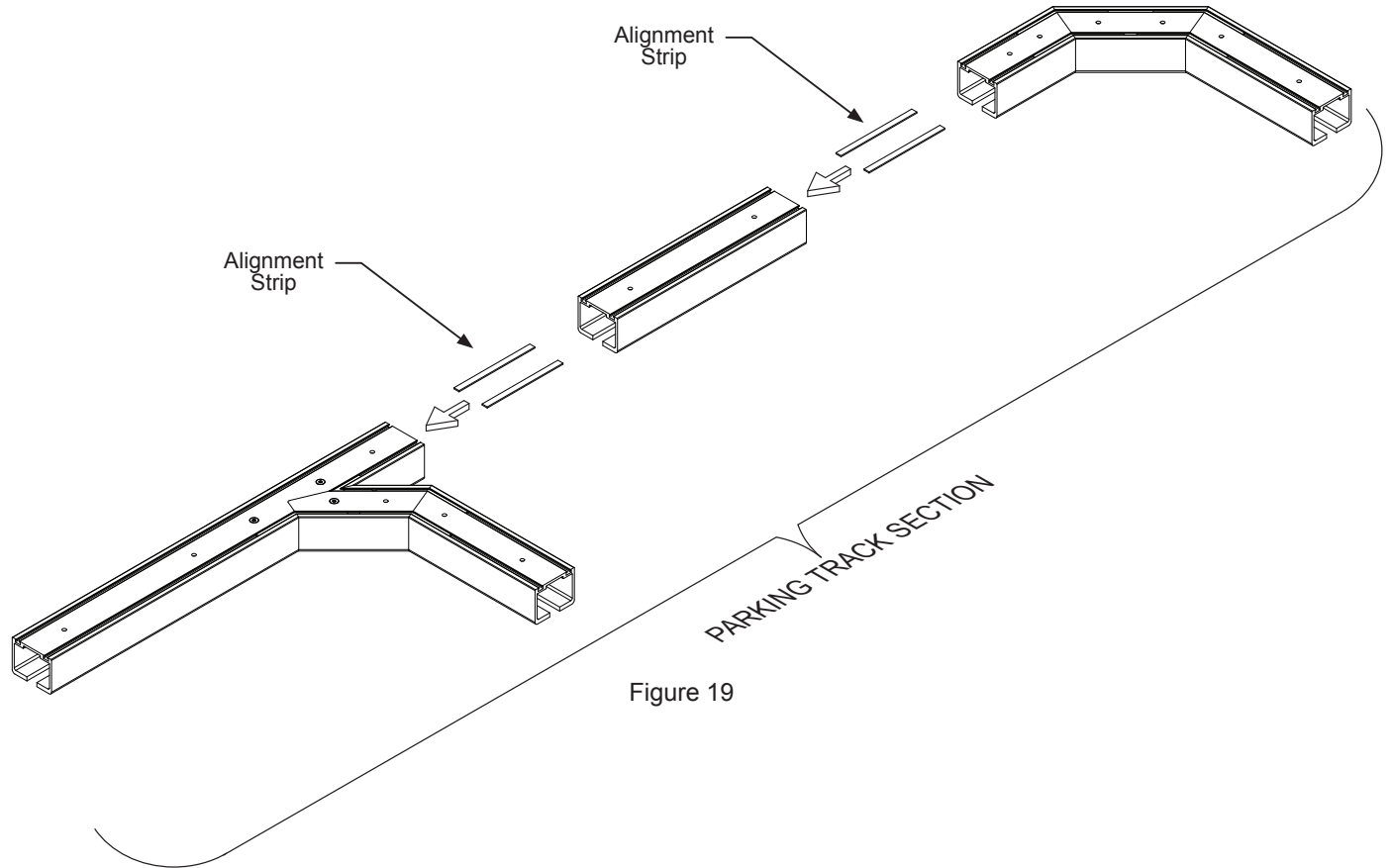
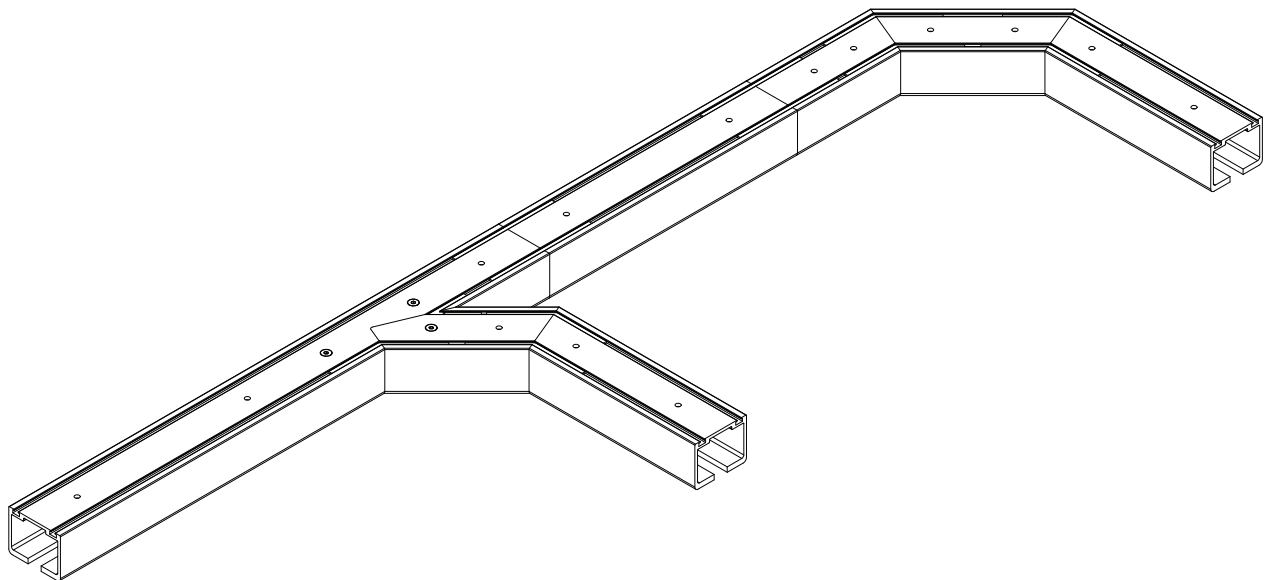


Figure 19



Assembled Parking Track Section

Figure 20

## Assemble Track

18. Insert the Track End Caps with Bumpers at each track openings.

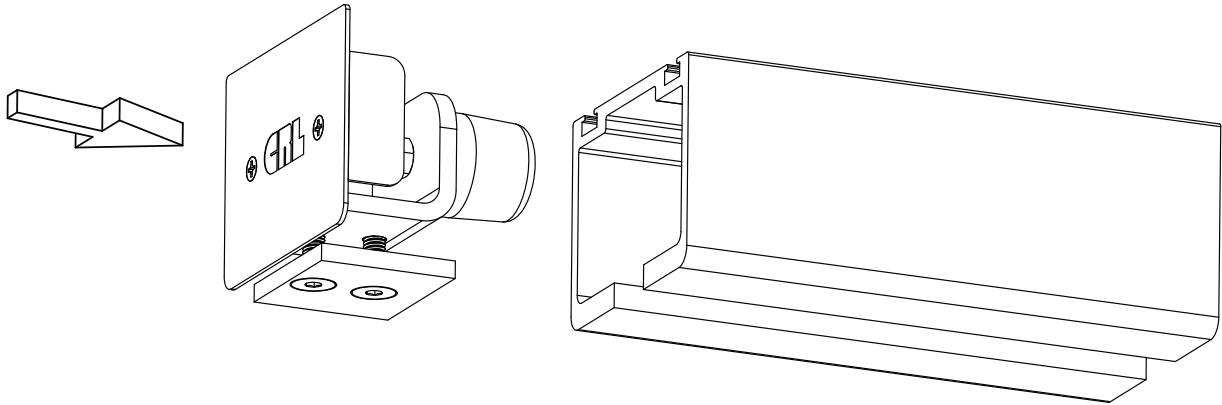


Figure 21

19. Secure the End Caps by tightening the Flat Head Screws.

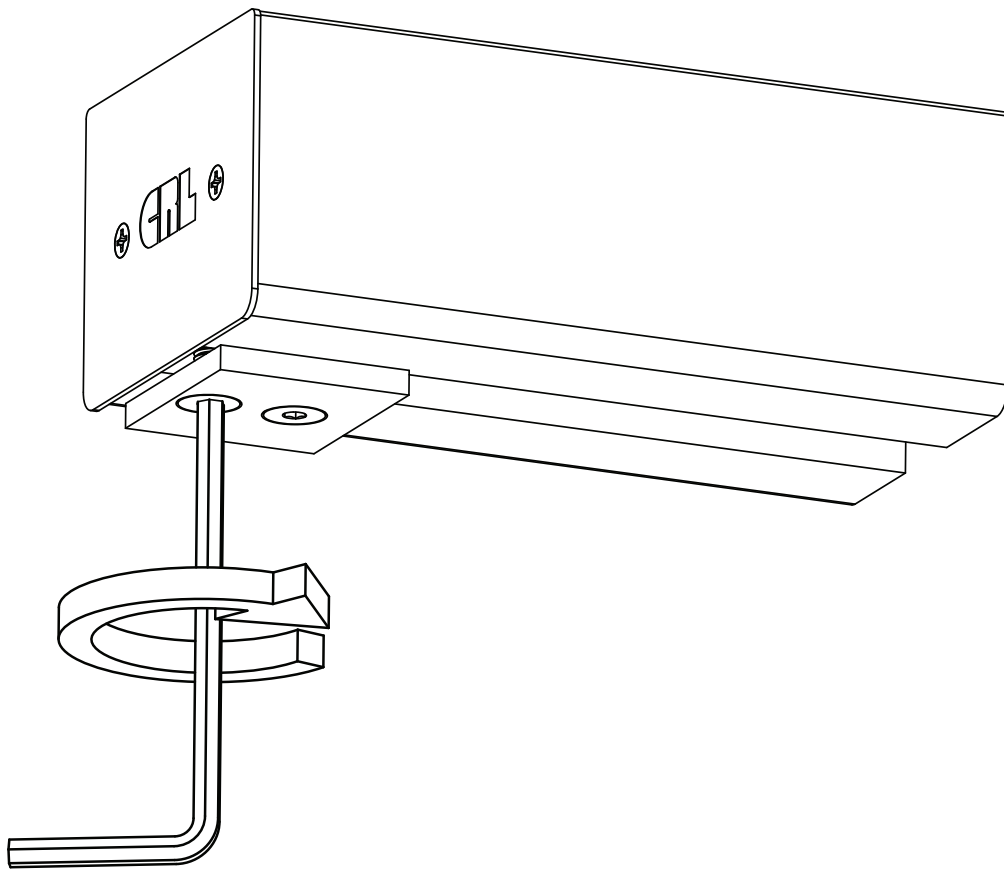


Figure 22

### Install Parking Track - PT1

20. Fasten the Parking Track to the substrate. (All Track Sections must be level.)

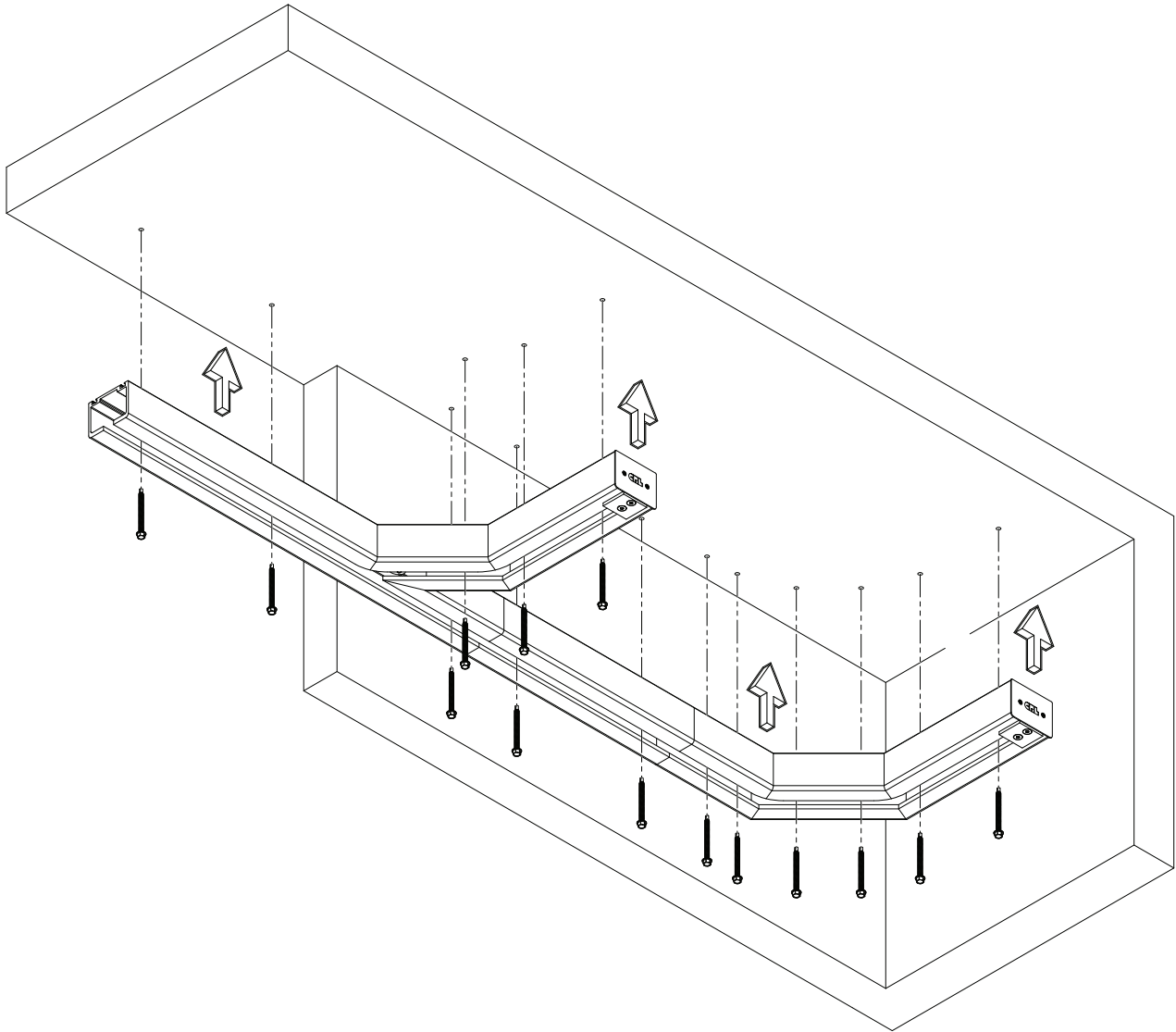


Figure 23



## Install Track - T1

21. Fasten the Track to the substrate. (All Track Sections must be level.)

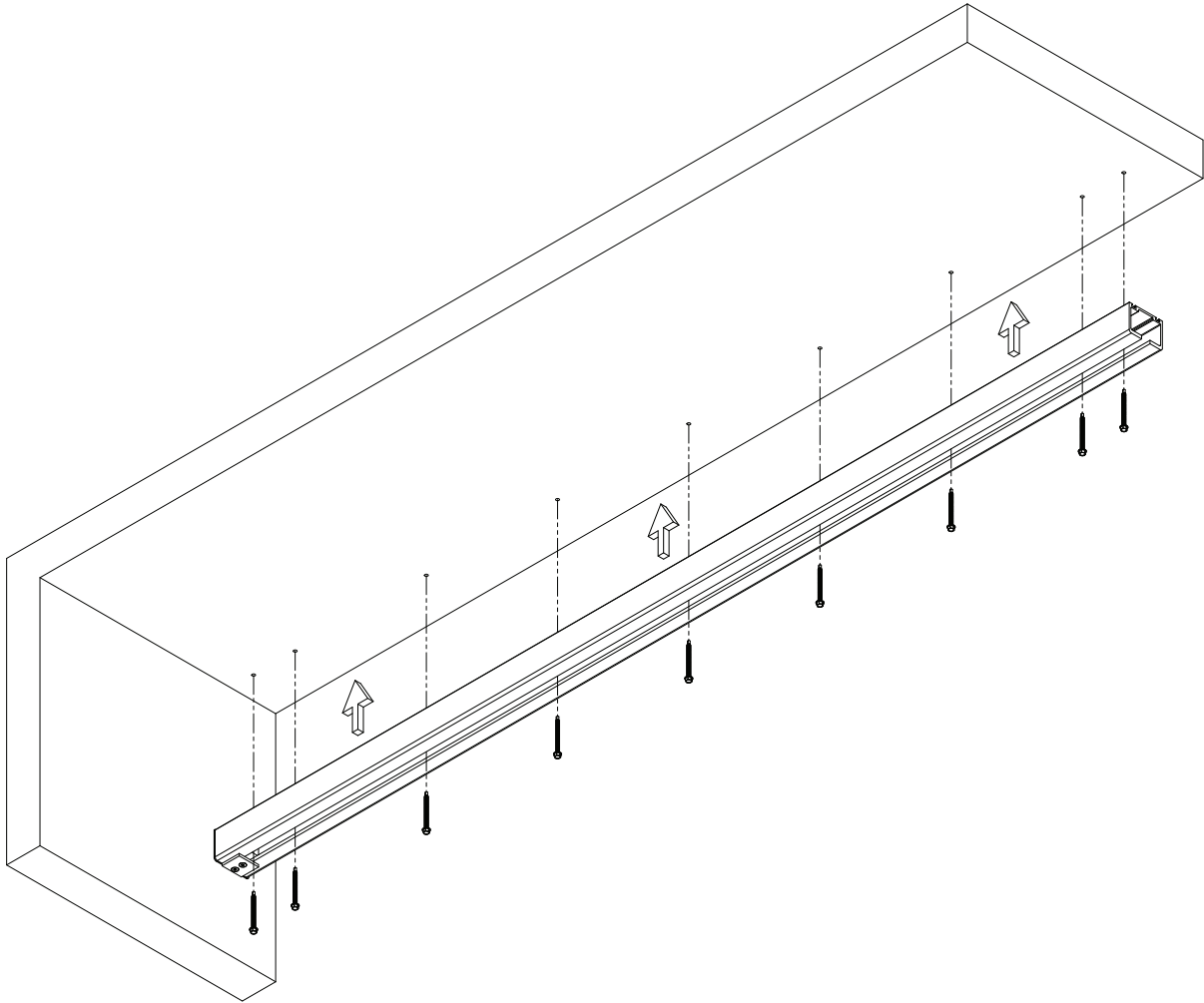


Figure 24

## Install Doors

22. Insert the doors onto the track.

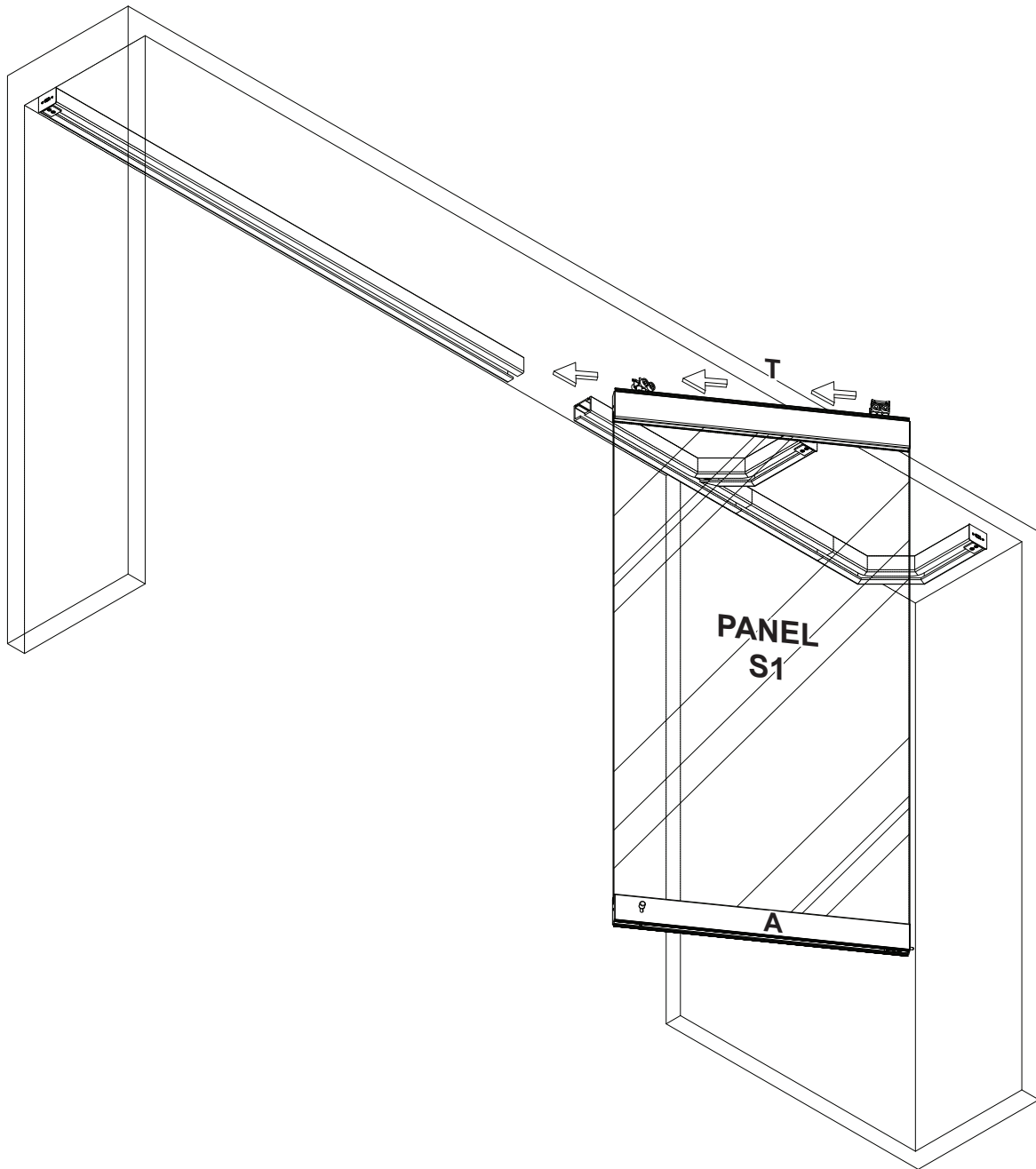


Figure 25

### Install Track Splice - TS1

23. Fasten the Track Splice to the substrate.

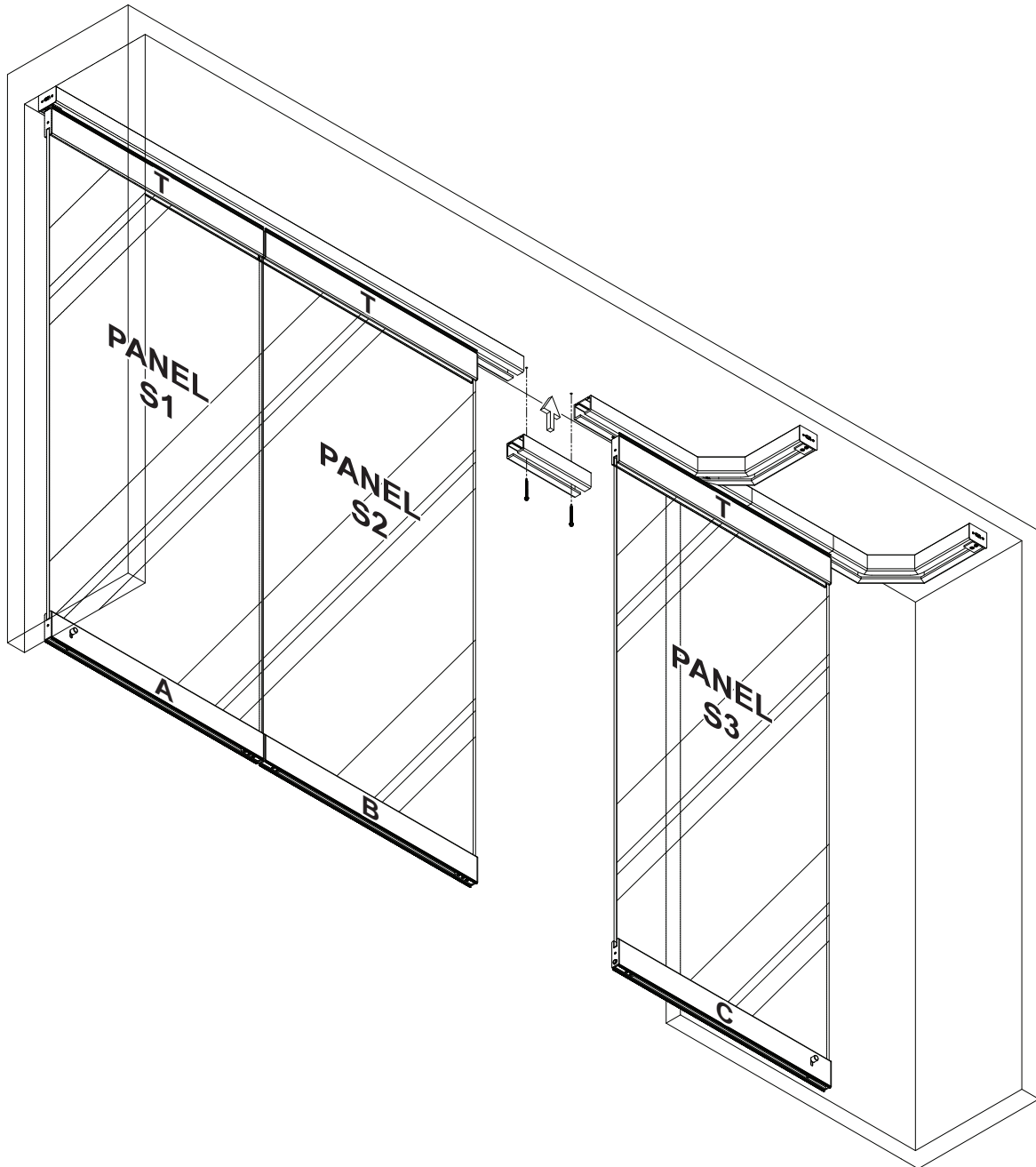


Figure 26

## Install The Floor Lock Receivers

24. Mark and drill the holes for the Floor Lock Receivers.

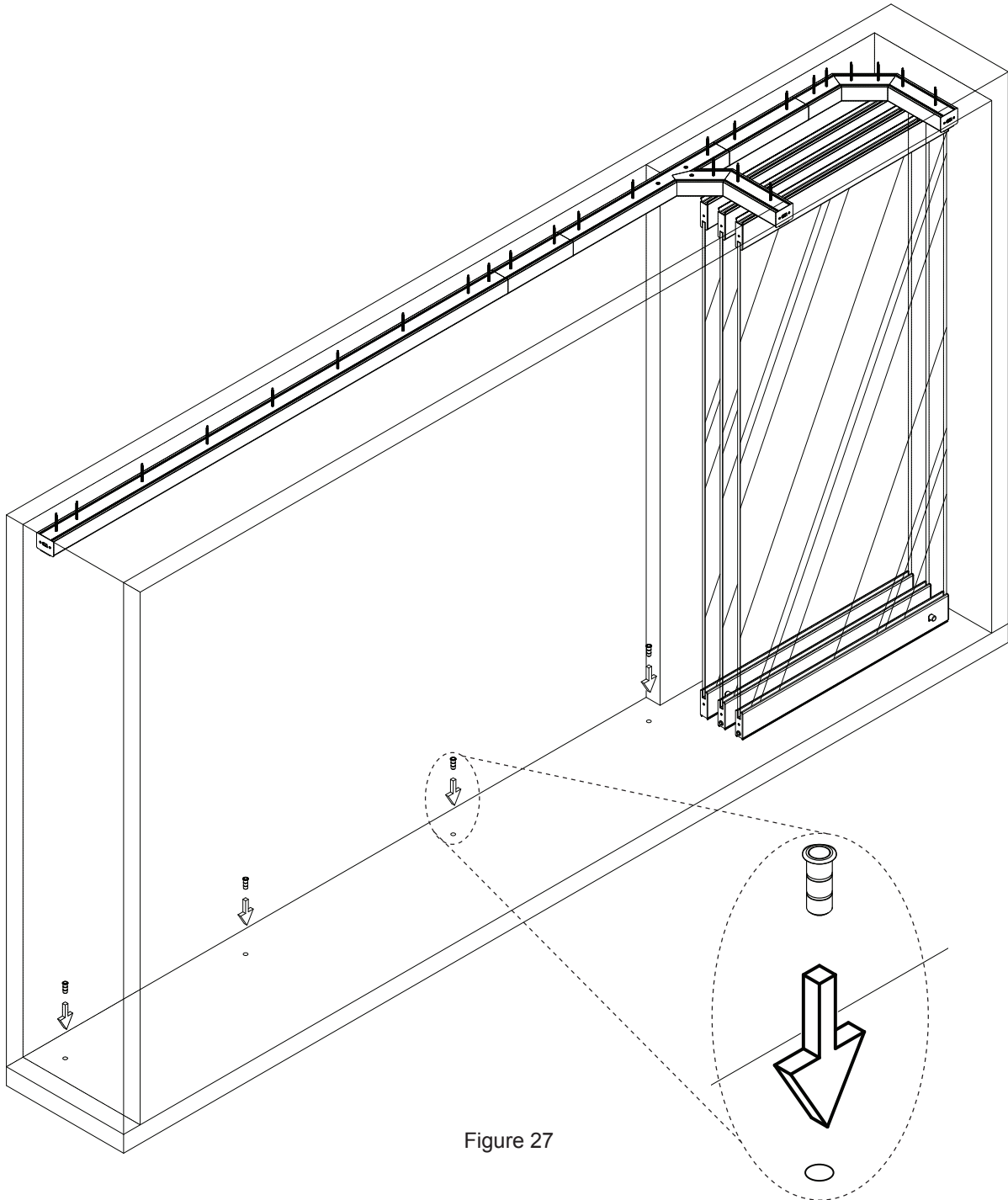


Figure 27

### Assemble Bottom Pivot Door Rail-Panel

25. Insert the Rail Clamps onto the center lip of the Exterior Pivot Door Rail. Loosely secure the clamps with the Socket Head screws.

#### RAIL (BP)

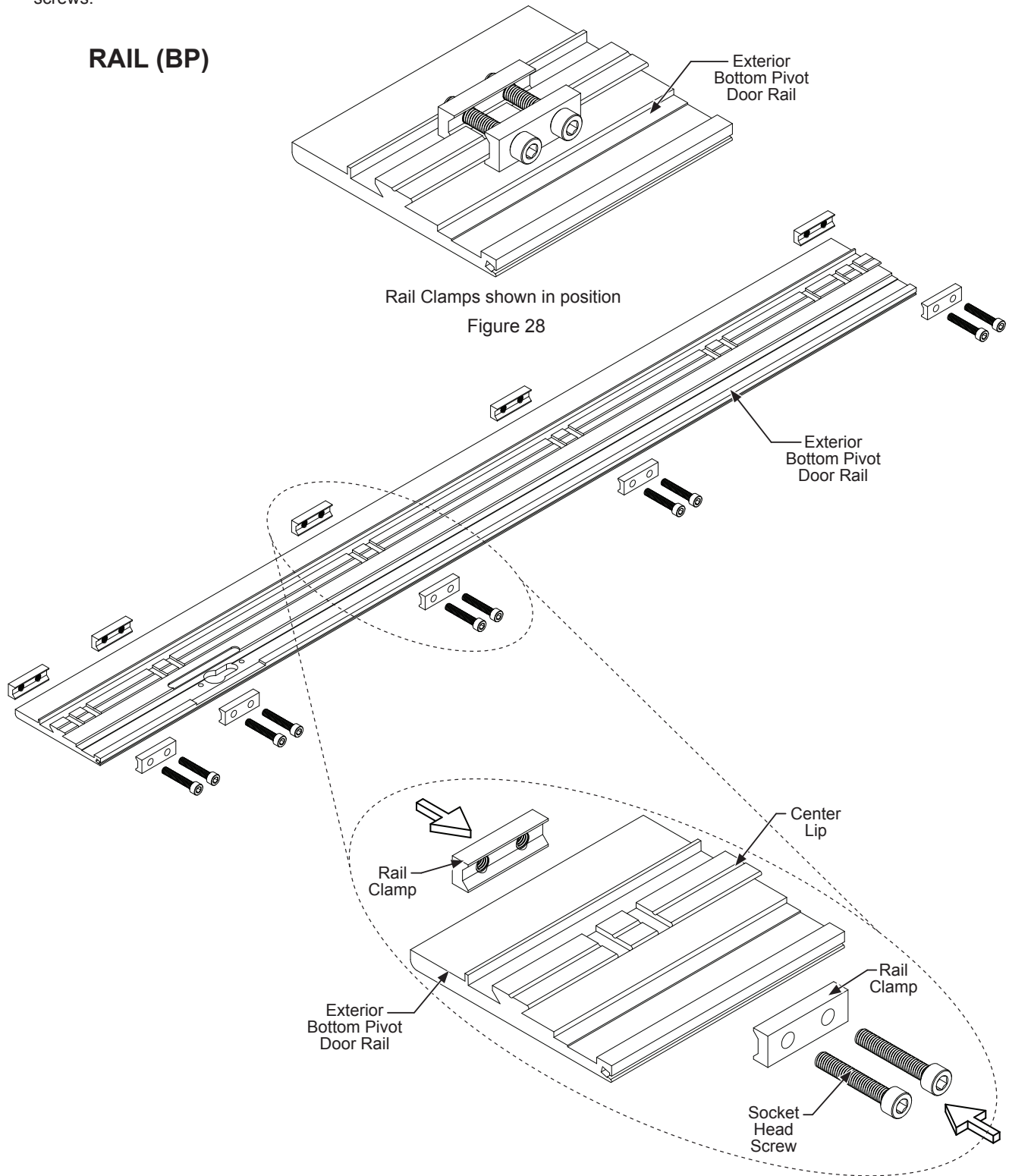


Figure 29

### Assemble Bottom Pivot Door Rail-Panel

26. Insert the Bottom Pivot Receiver onto the center lip of the door rail, loosely secure it with the Socket Head screws, place the Lock Body into place.

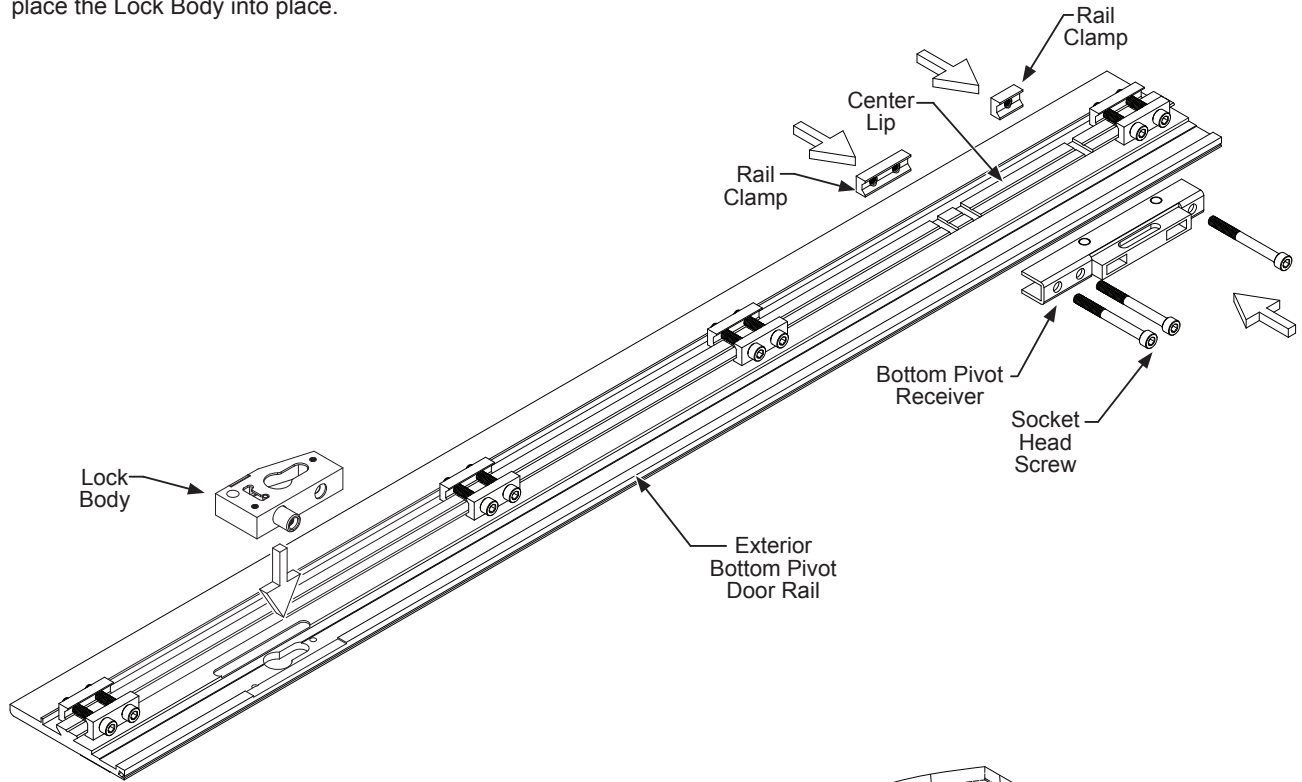


Figure 30

27. Place and hold the Exterior Door Rail on to the Glass Panel.

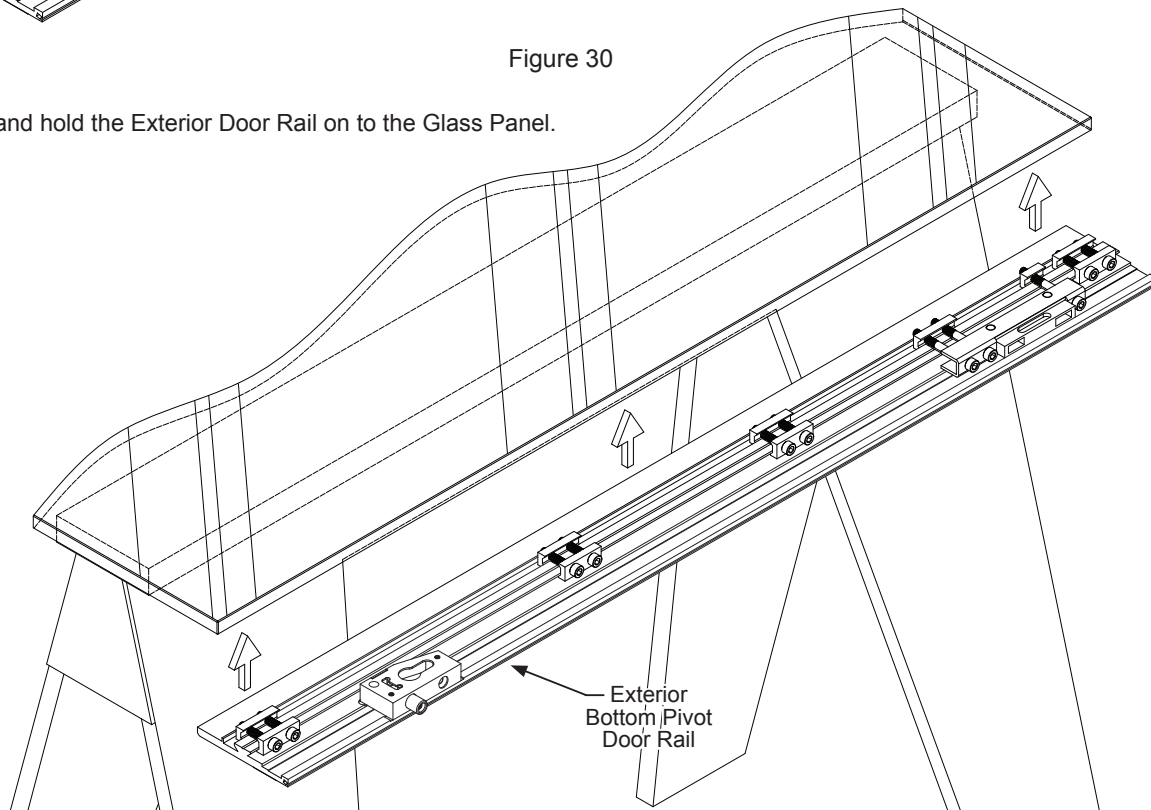


Figure 31

**Assemble Bottom Pivot Door Rail Panel**

28. Insert the Interior Door Rail onto the Rail Clamps.

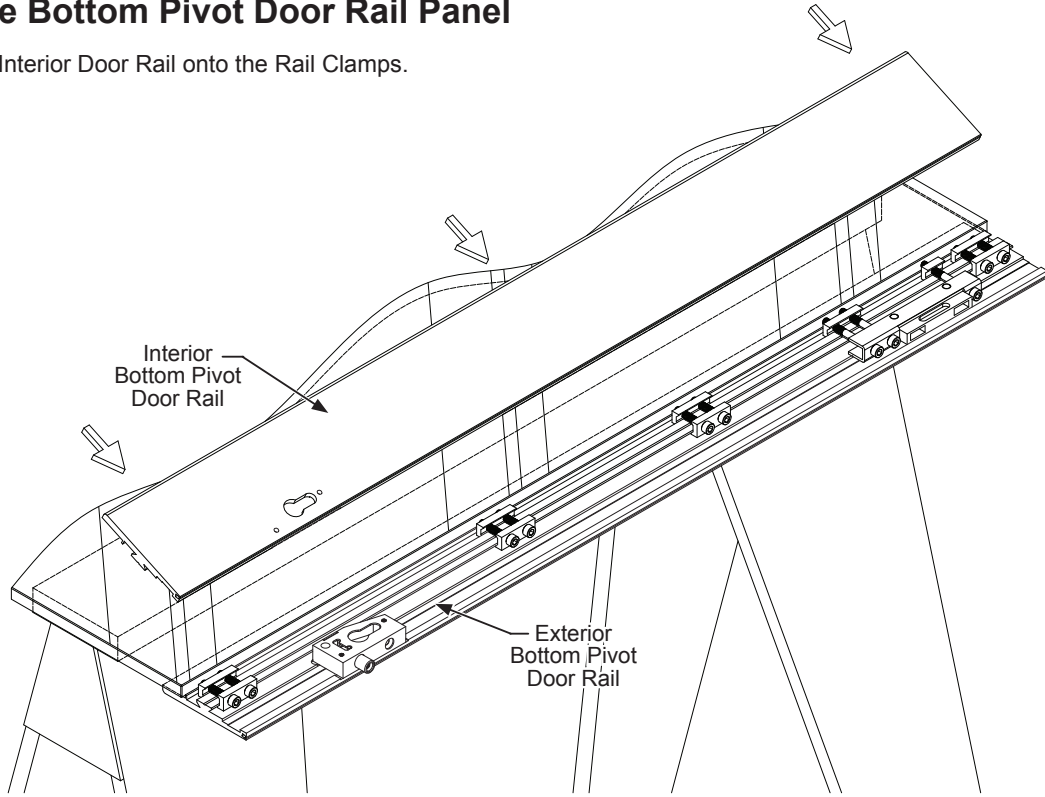


Figure 32

29. Secure the Door Rails onto the Glass Panel by tightening the Socket Head Machine screws.

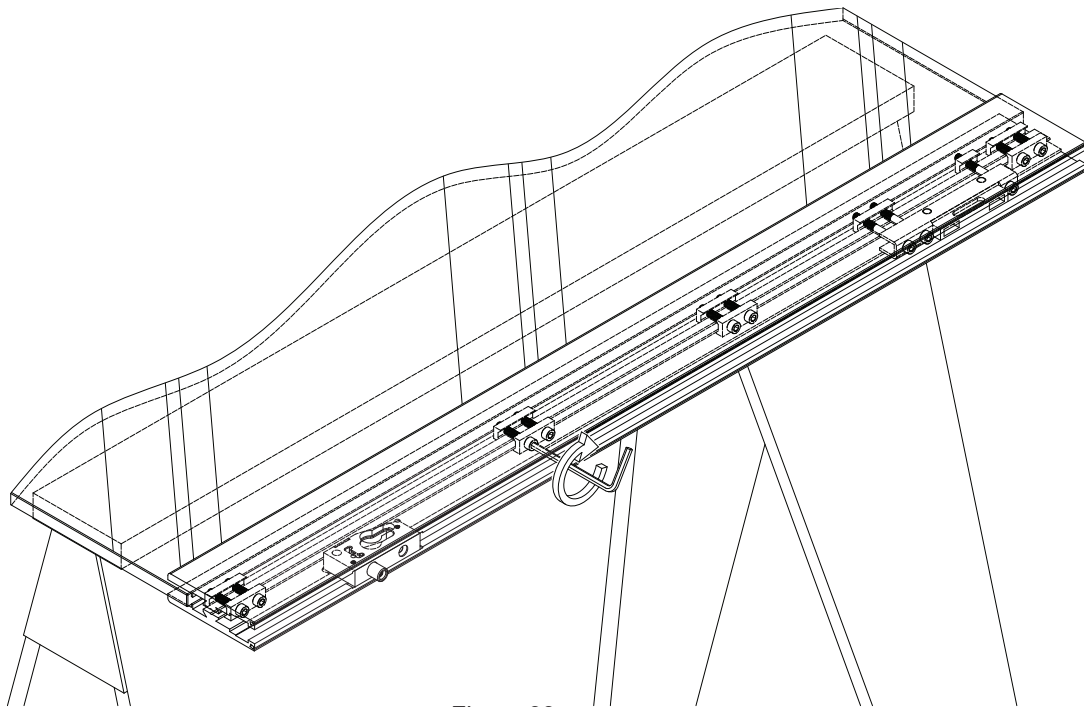


Figure 33

### Assemble Bottom Pivot Door Rail-Panel

30. Insert the Door Sweeps.

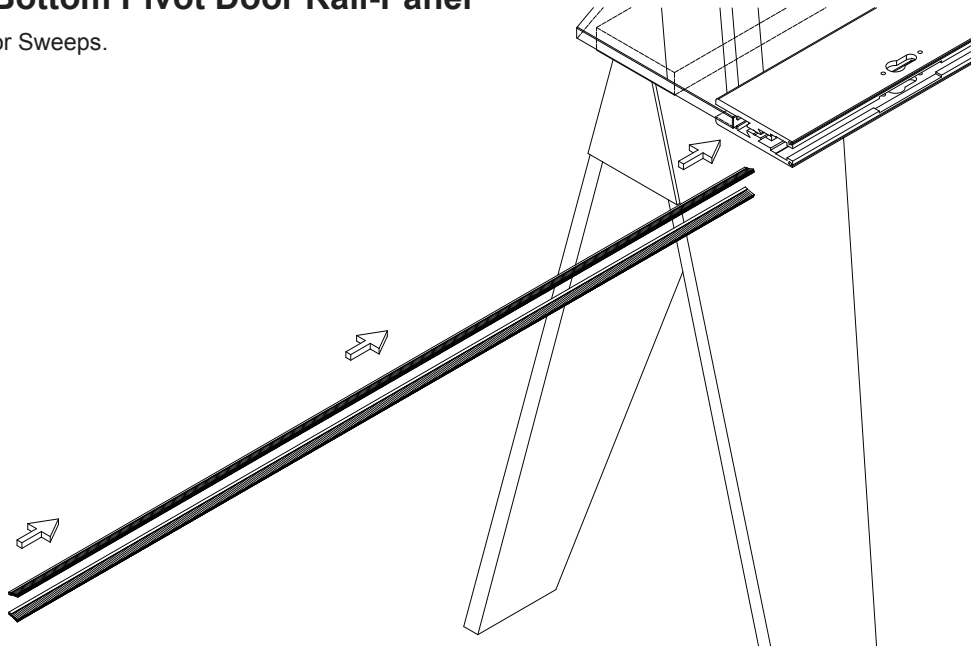


Figure 34

31. Peel off the backing from the double sided tape and attach the cladding, After the cladding is in place secure the Lock Body to the door rail with the Mounting Plates and Flat Head Screws. Attach the Mounting Plate covers.

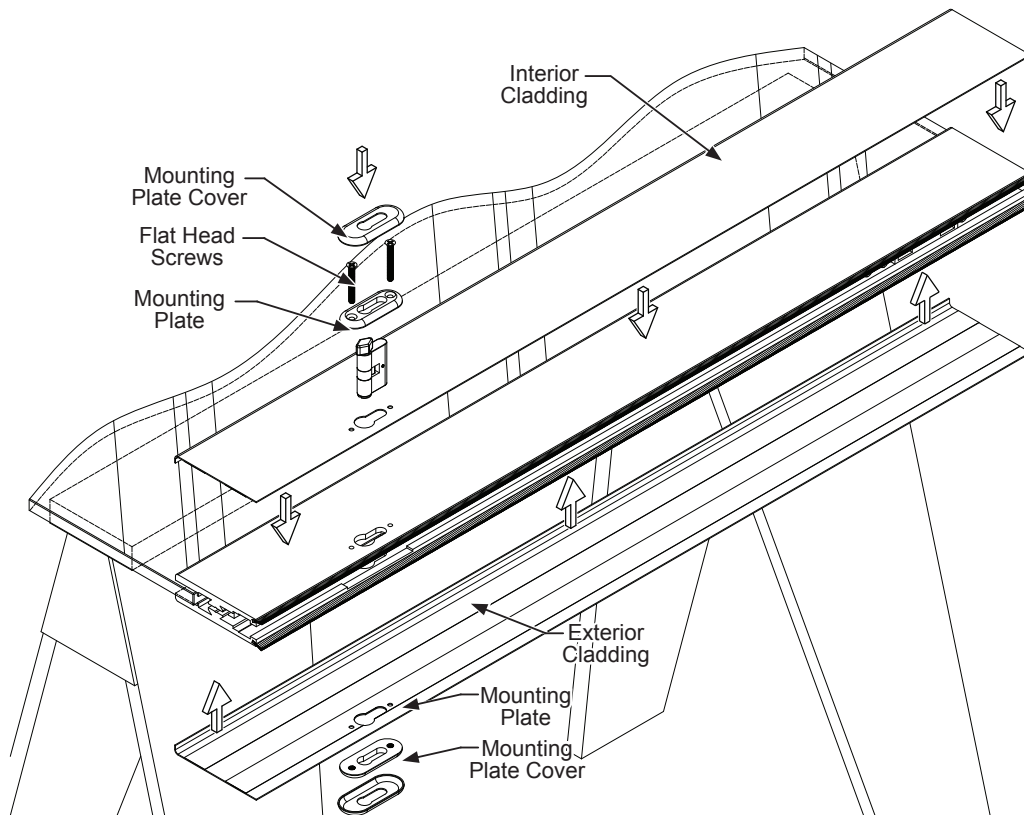


Figure 35



### Assemble Bottom Pivot Door Rail Panel

32. Attach the End Caps and insert the Lock Cylinder, Secure with the Flat Head Screw.

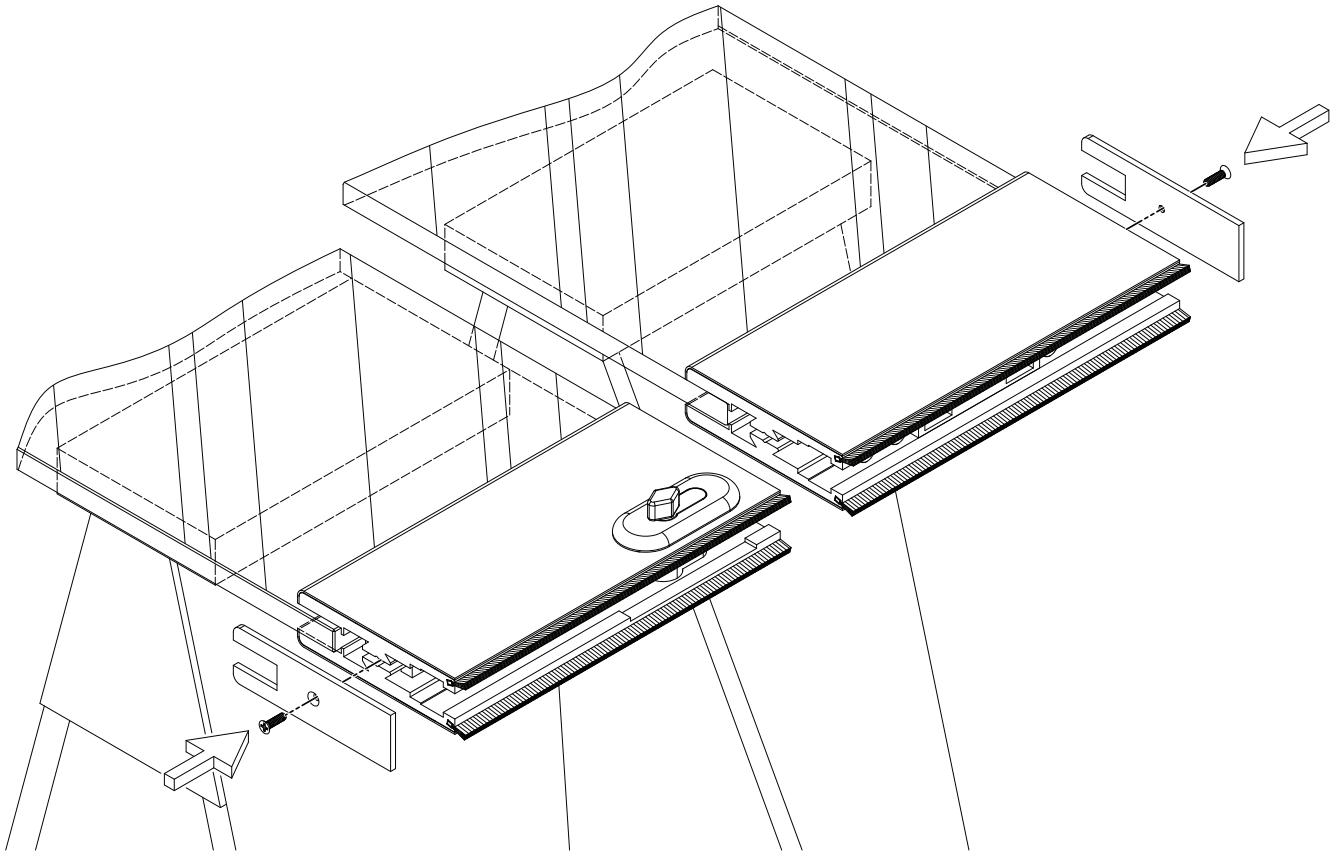


Figure 36

### Assemble Top Pivot Door Rail-Panel

33. Insert the Rail Clamps onto the center lip of the Exterior Pivot Door Rail, Loosely secure the clamps with the Socket Head screws.

#### RAIL (TP)

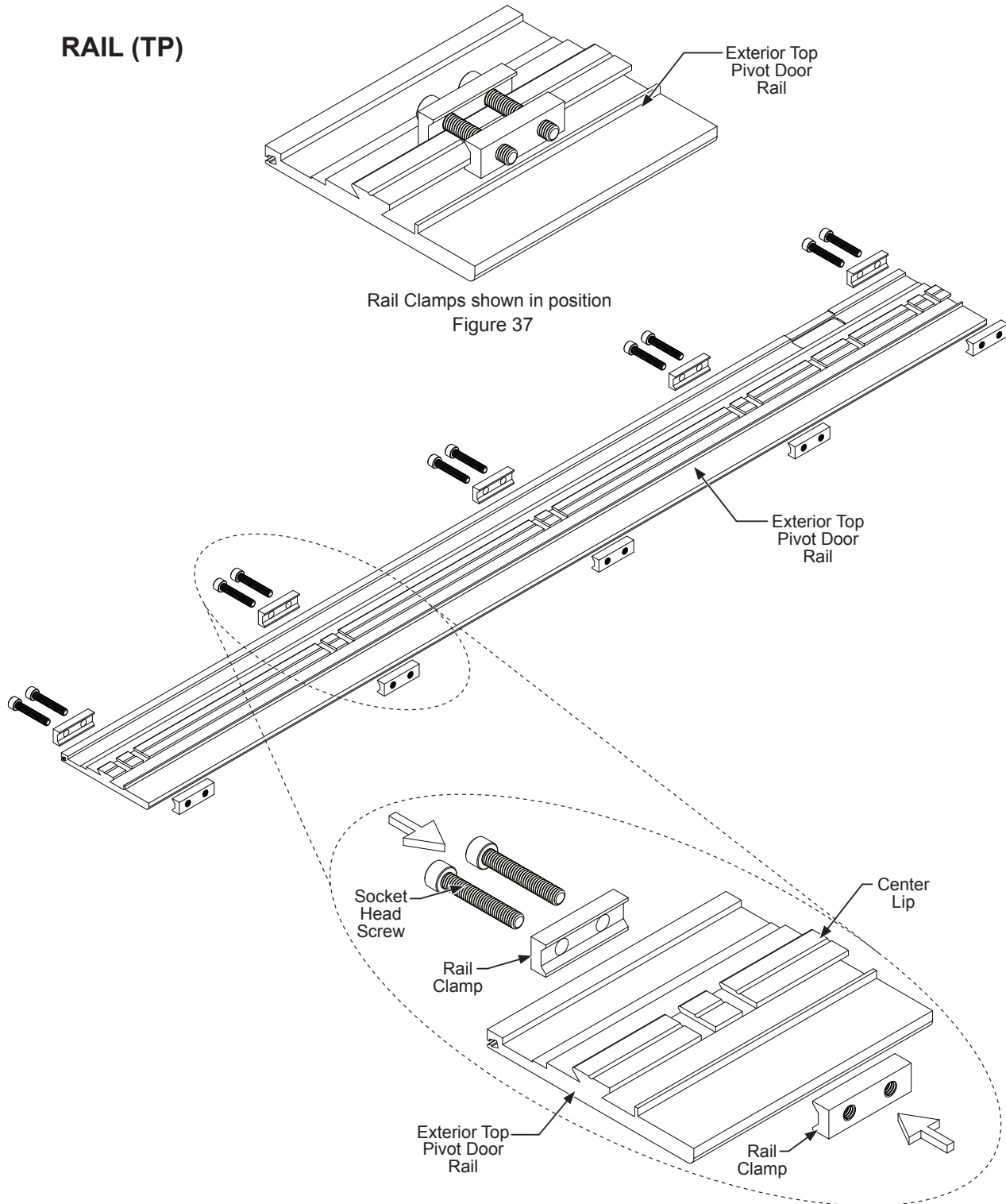


Figure 38

### Assemble Top Pivot Door Rail-Panel

34. Insert the Top Pivot Receiver onto the center lip of the door rail, Loosely secure it with the Socket Head screws.

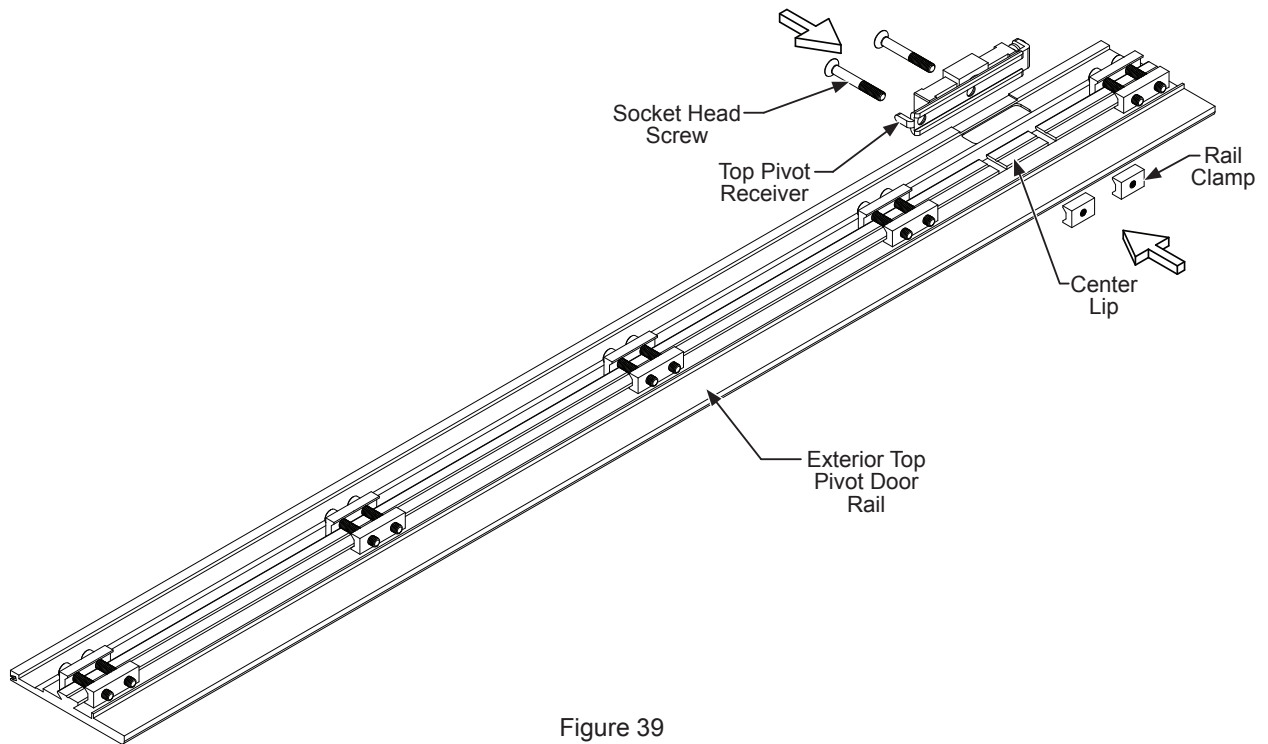


Figure 39

35. Place and hold the Exterior Door Rail on to the Glass Panel.

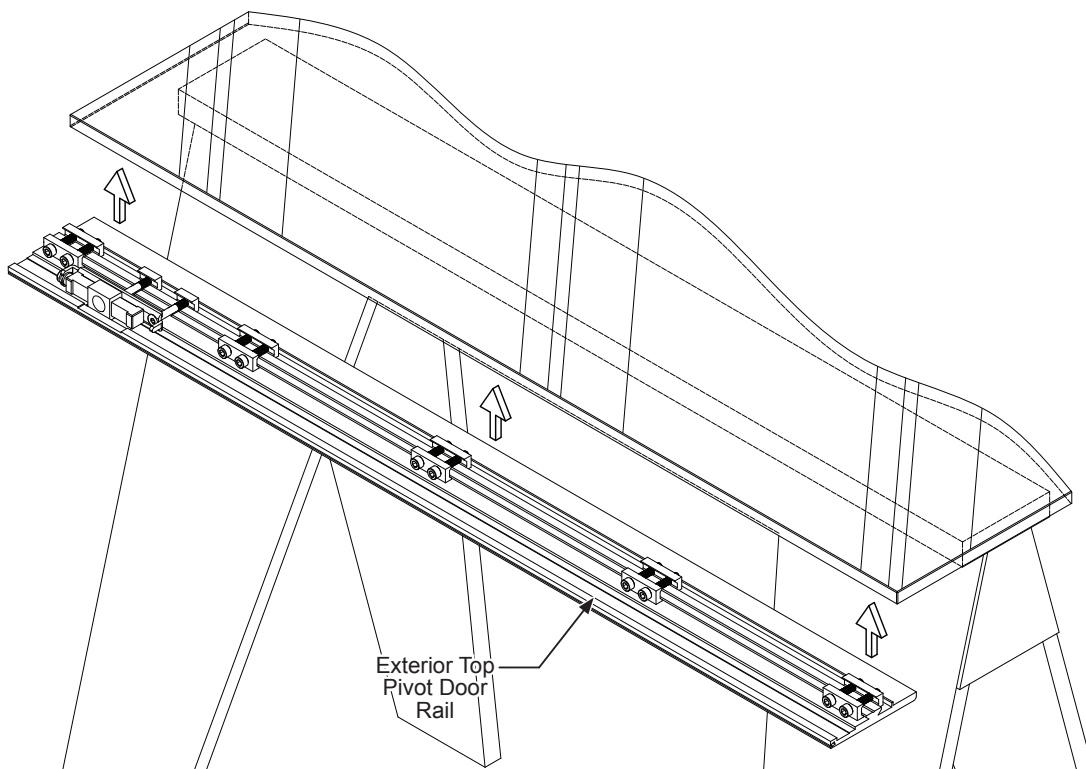


Figure 40

## Assemble Top Pivot Door Rail Panel

36. Insert the Interior Door Rail onto the Rail Clamps.

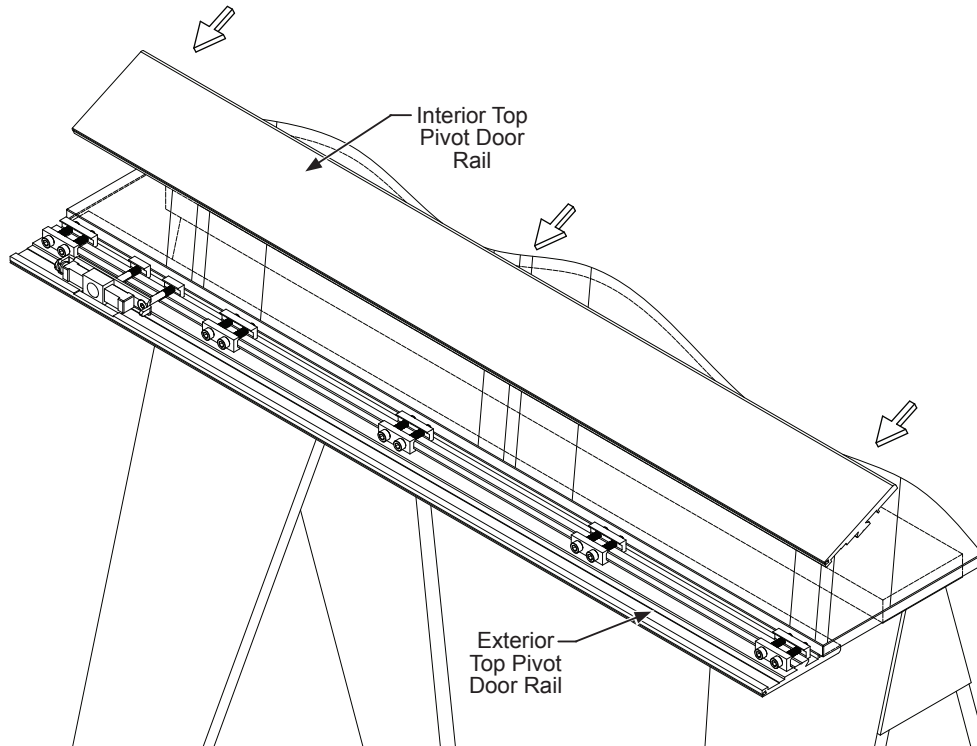


Figure 41

37. Secure the Door Rails on to the Glass Panel by tightening the Socket Head Machine screws.

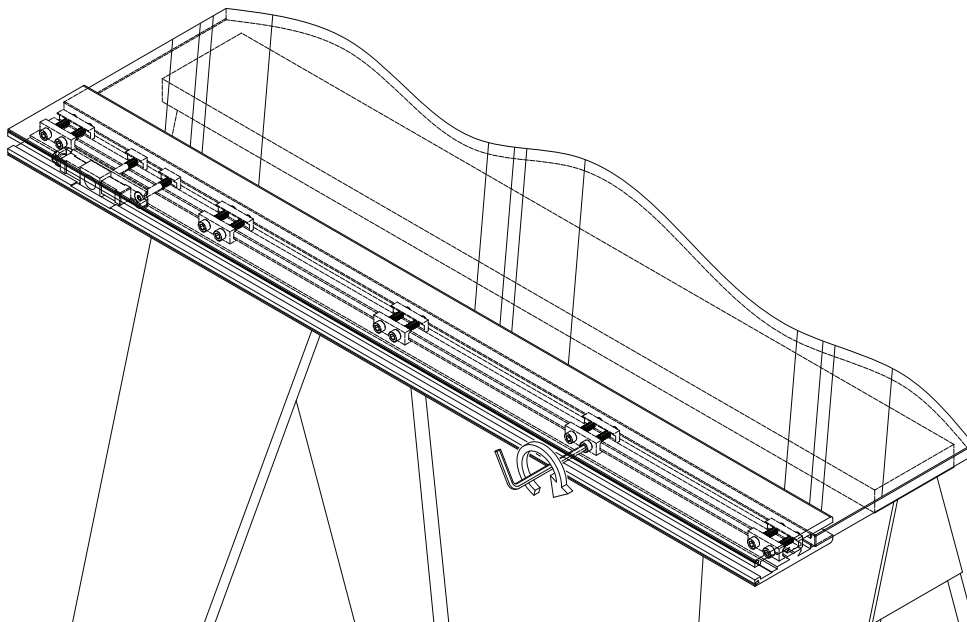


Figure 42

### Assemble Bottom Pivot Door Rail Panel

38. Insert the Door Sweeps.

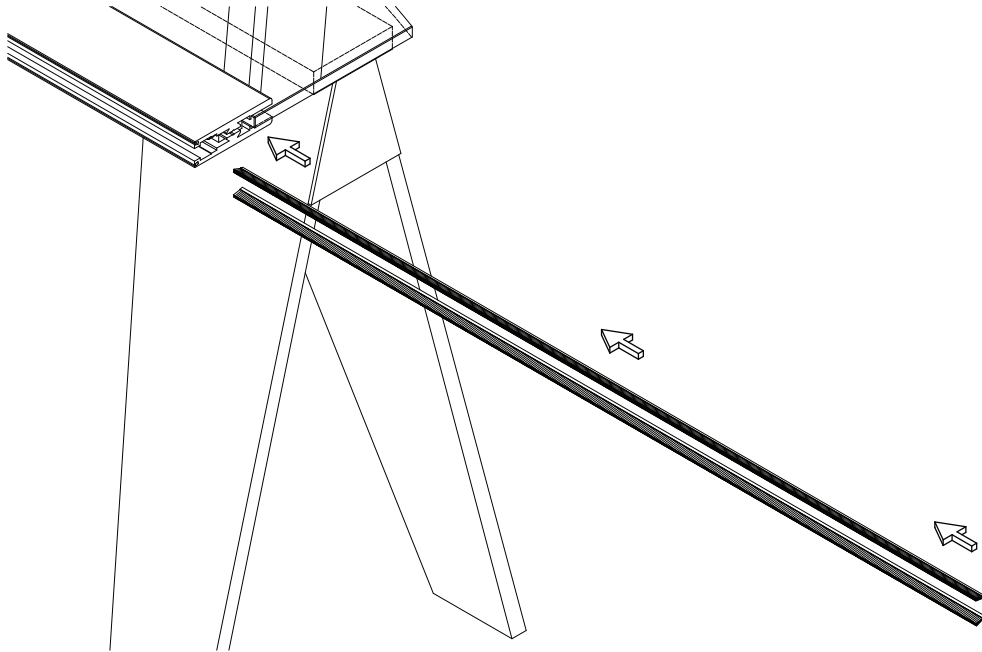


Figure 43

39. Peel off the backing from the double sided tape and attach the cladding. Insert the Floor Lock.

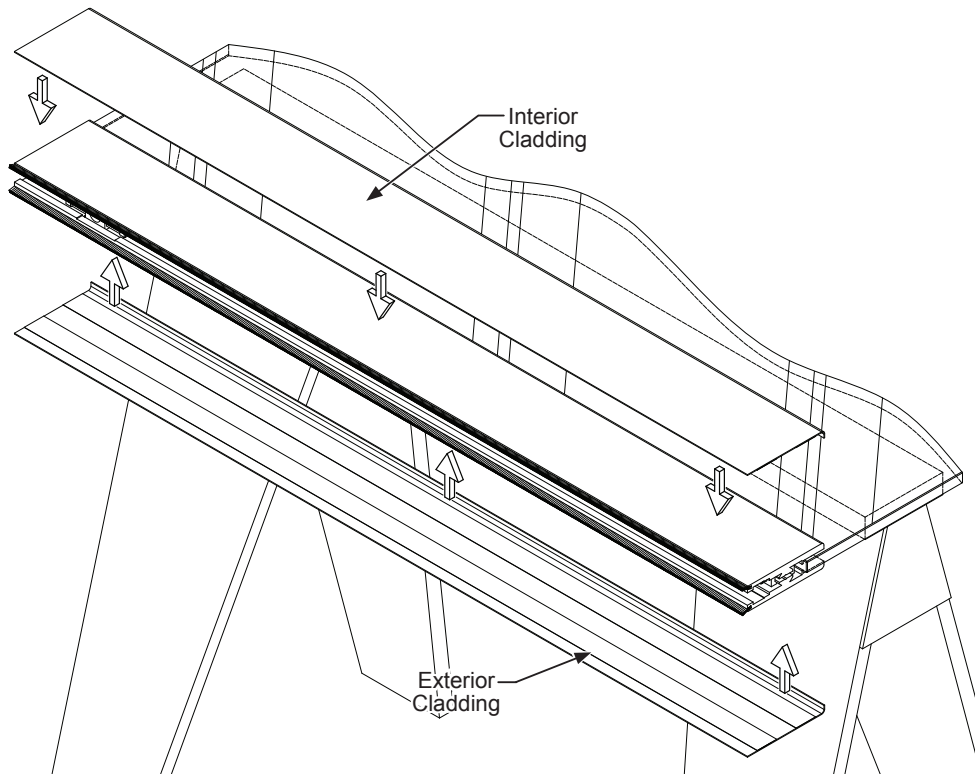


Figure 44

### Assemble Top Pivot Door Rail-Panel

40. Attach the End Caps.

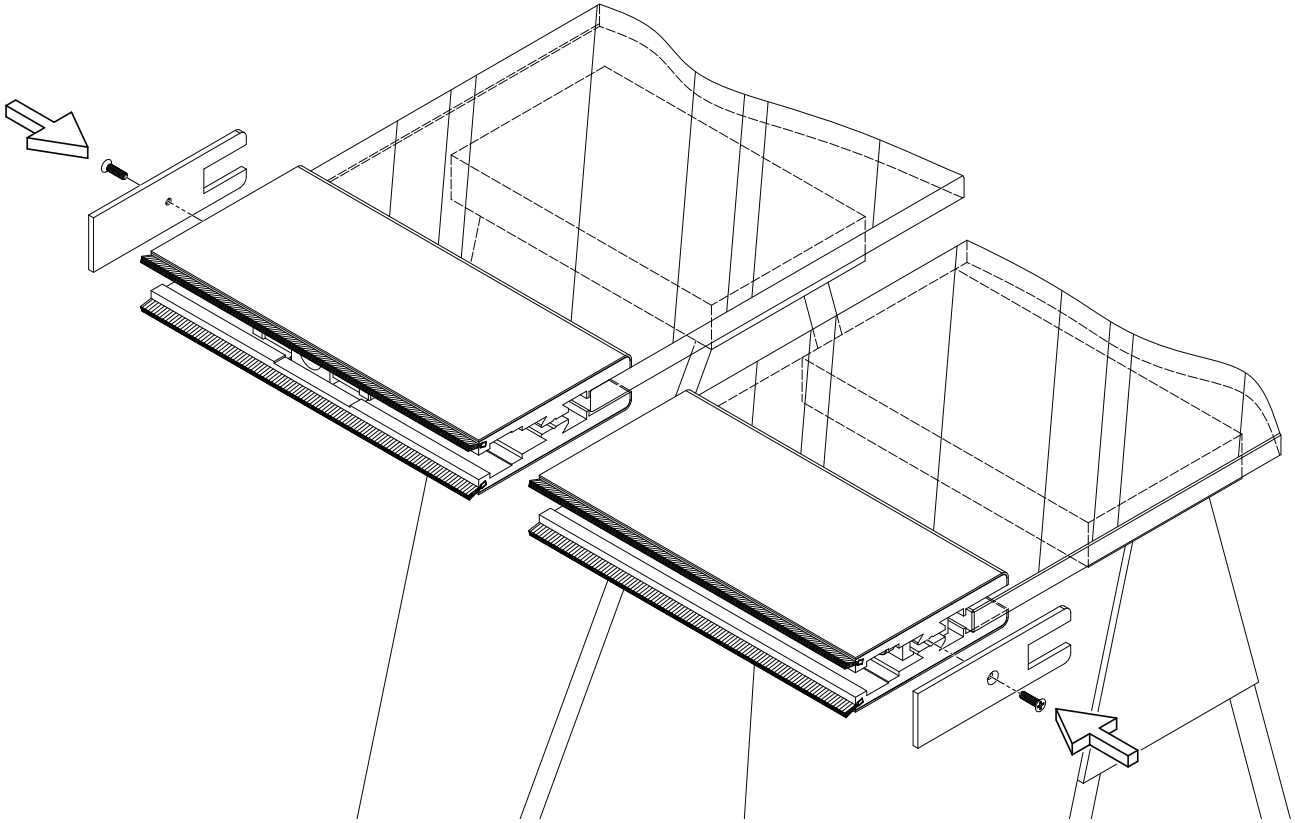


Figure 45

### Install The Pivot Door Panel

41. Insert the Pivot Block into the Track.

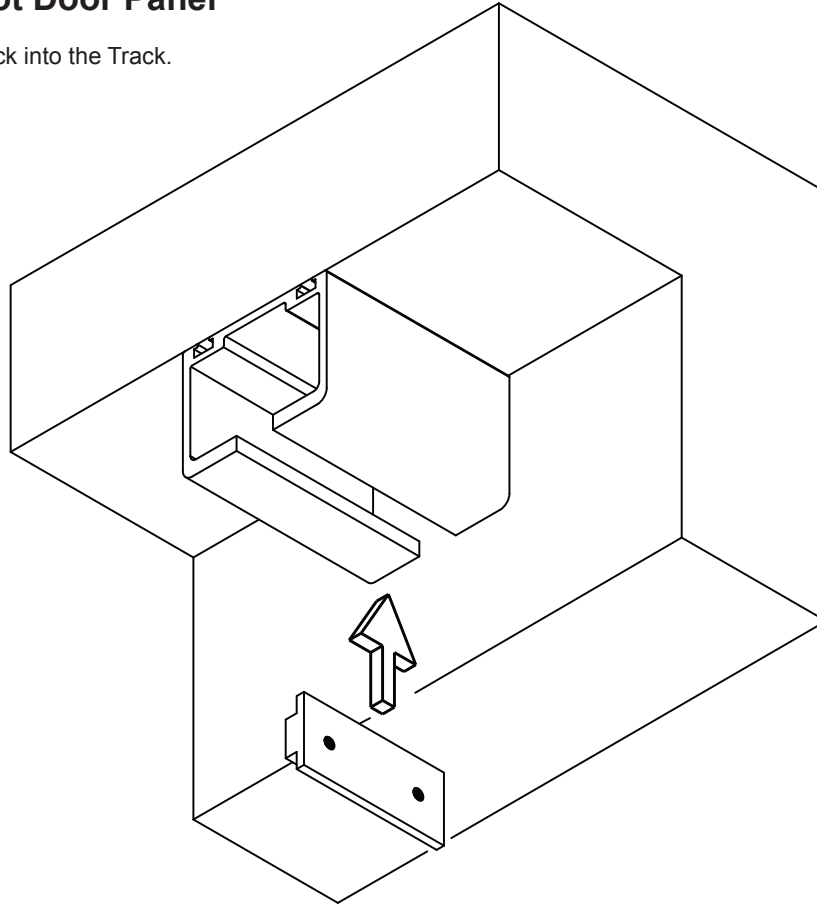


Figure 46

42. Rotate the Pivot Block and slide into place.

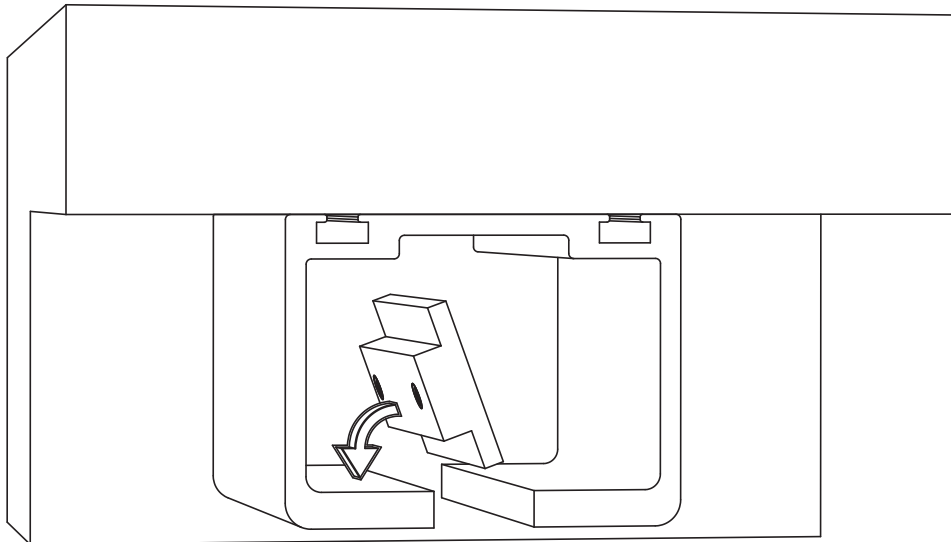


Figure 47

### Install The Pivot Door-Panel

43. Use a Plumb Bob to mark the location of the pivot location on the floor. Drill a hole for the Floor Pivot.

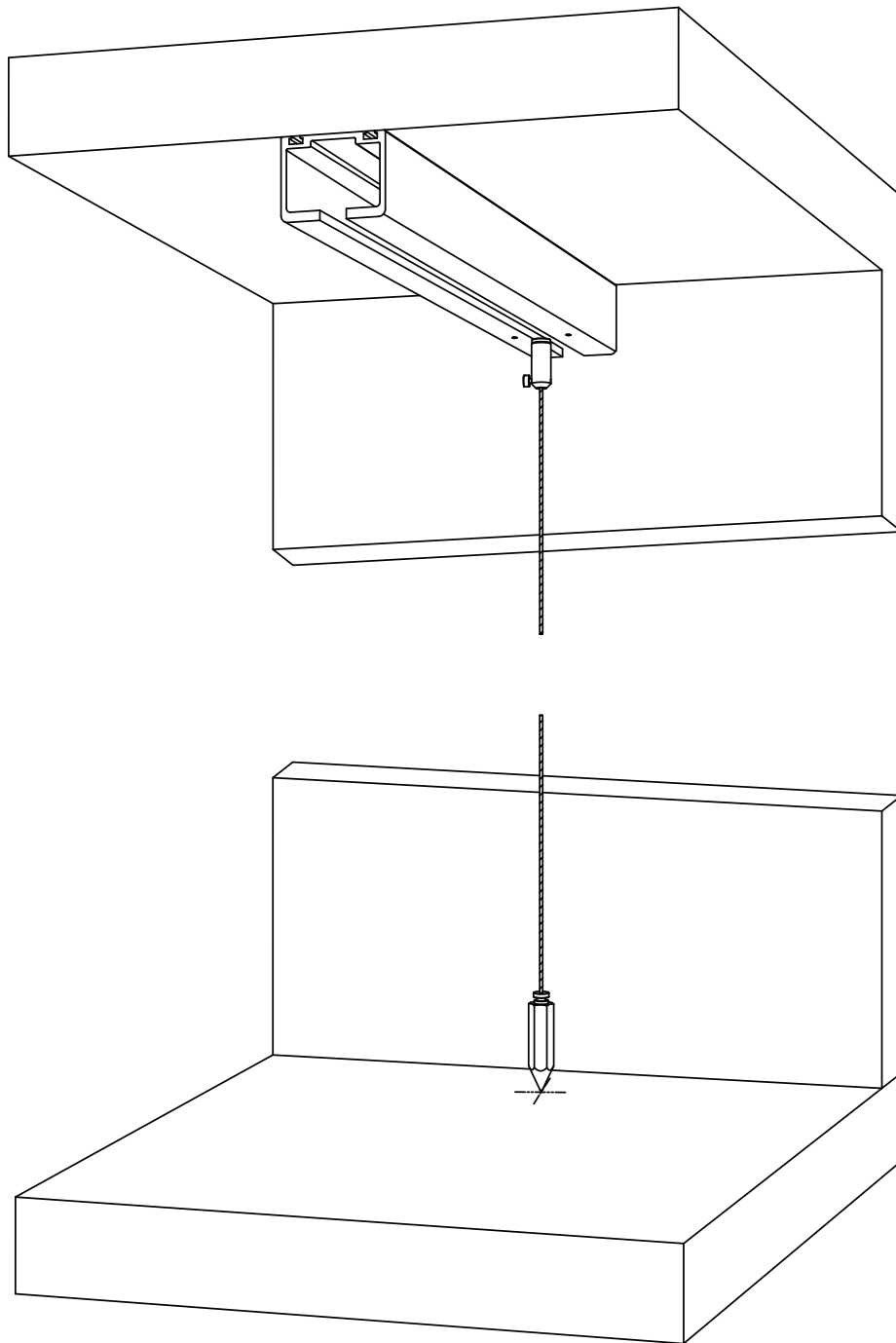


Figure 48



### Install The Pivot Door-Panel

44. Install the Floor Pivot.

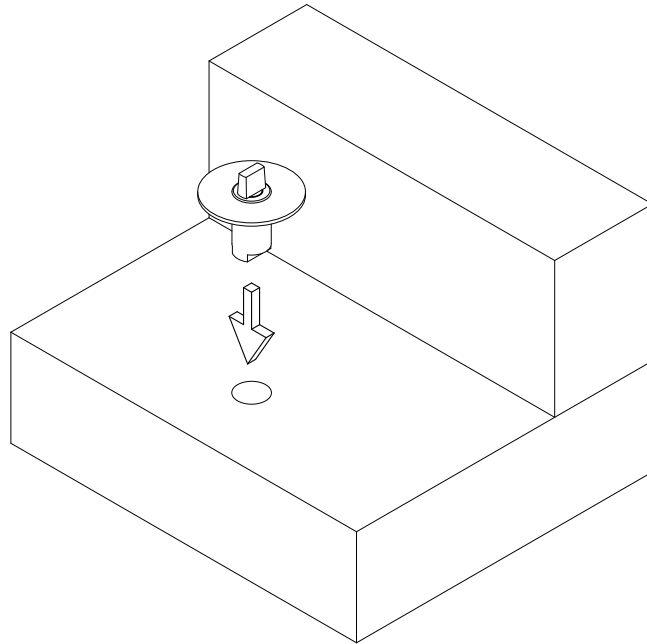


Figure 49

45. Insert the Top Pivot Into the Top Pivot Receiver.

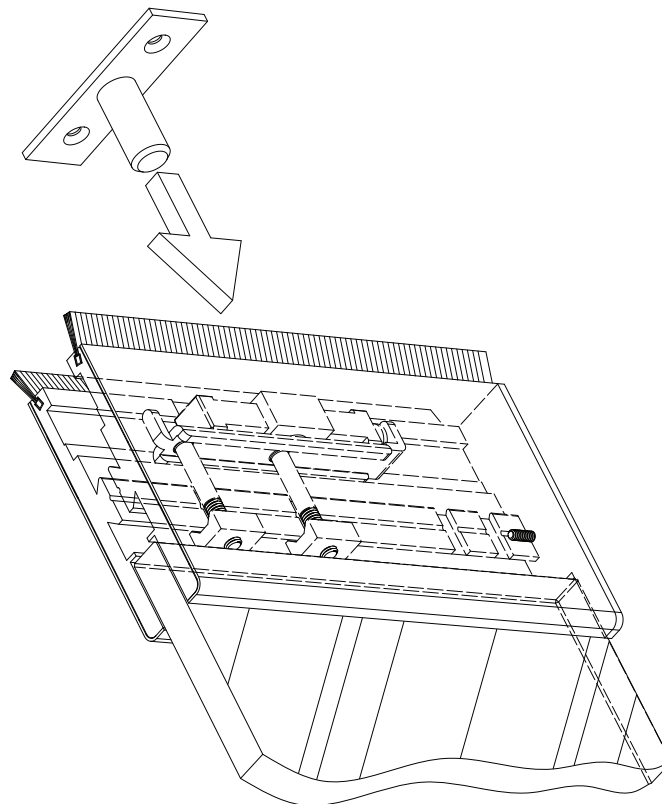


Figure 50

### Install The Pivot Door-Panel

46. Tilt the door over the Floor Pivot and insert the Pivot into the Bottom Pivot receiver.

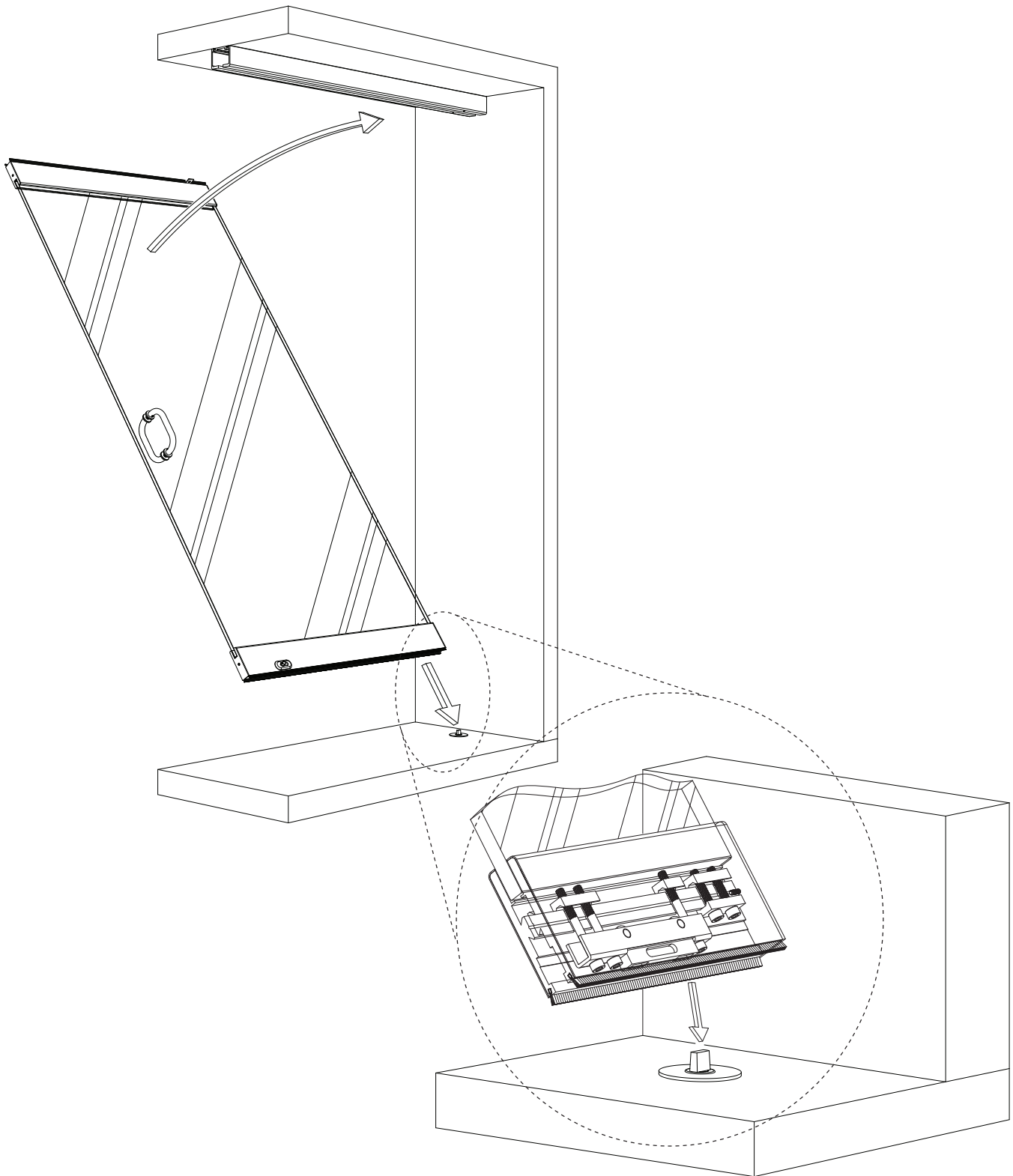


Figure 51

## Install The Pivot Door-Panel

47. Carefully open the door, lift the Top Pivot flush to the Pivot Block and secure it with the flat head machine screws.

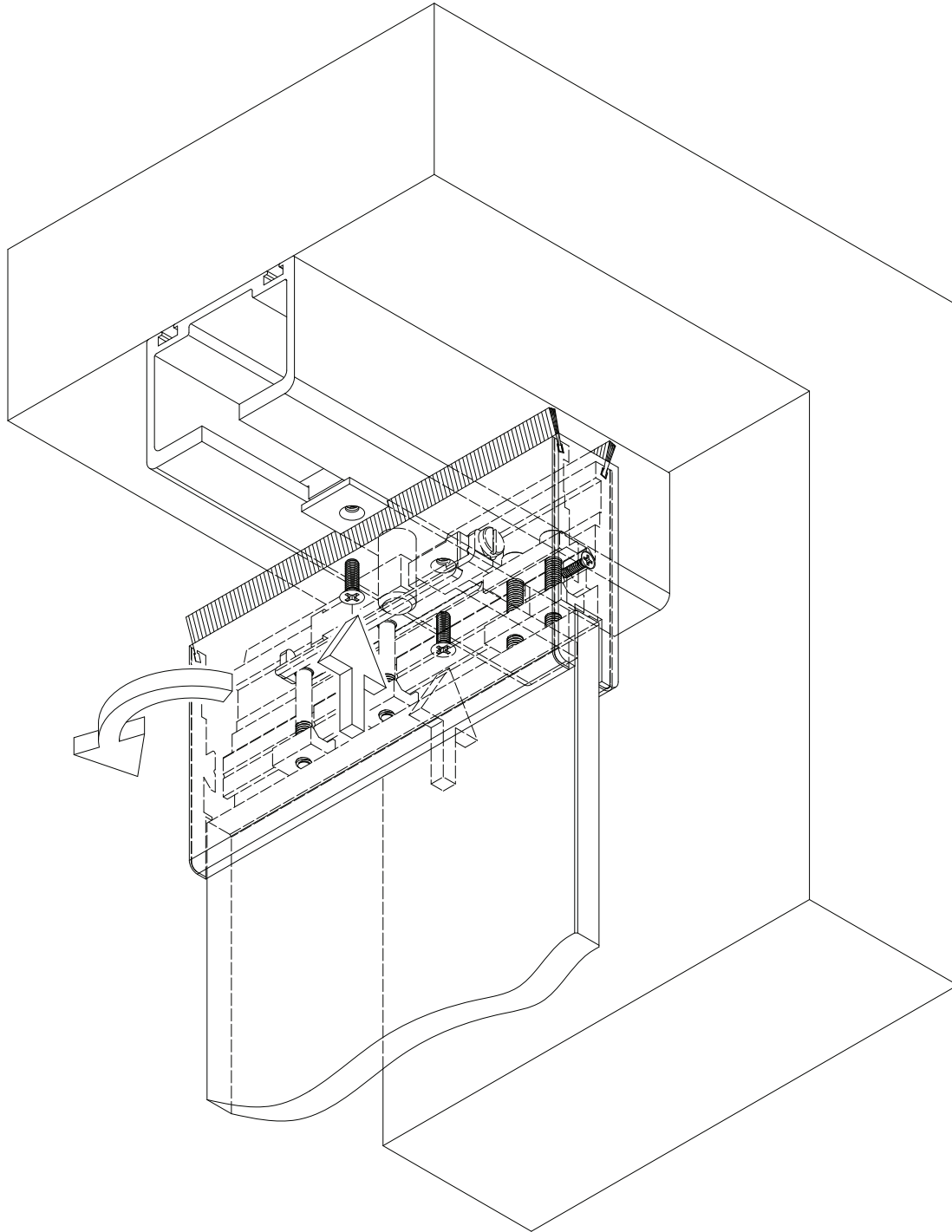


Figure 52