K-D Assembly Instructions - 2 & 4 Panel

SLIDING PATIO DOOR

TOOLS REQUIRED: Safety Glasses, Rubber Mallet, Tape Measure, Level, Screw Driver, Drill, Phillips Head Drill Bit, 7/64" Drill Bit, Silicone Gun, Silicone, 1-1/4" Brad Nails and Brad Nailer, Stapler w/ 3/8" Staples.

Supplied Fasteners

#6 X 2-1/2" Phillips Flat Head
Frame: Qty 18 (2-Panel) / 20 (4-Panel)

#6 X 1-3/4" Phillips Flat Head
Sill Stop Into Side Jamb: Qty 2
Clad Frame Corner: Qty 2

#6 X 1" Phillips Flat Head
Head Stop: Qty 8 (2-Panel) / 20 (4-Panel)

#6 X 5/8" Phillips Pan Head
Endcap: Qty 2
T-Rail: Qty 16 (2-Panel) / 32 (4-Panel)

#7 X 1/2" Phillips Flat Head
Stationary Panel Filler Block To Sill:
Qty 2 (2-Panel) / 4 (4-Panel)

#7 X 3/4" Phillips Pan Head
Stile Cover Bracket: Qty 10
Bumper Clip: Qty 4

#8 X 3" Phillips Flat Head
T-Rail Install: Qty 16
(8 Stainless, 8 Black)
Head PVC Brickmould: Qty 2

#8 X 3/4" Phillips Flat Head
Aluminum Astragal (4-Panel Only): Qty 10

Figure 2
(Clad Install)

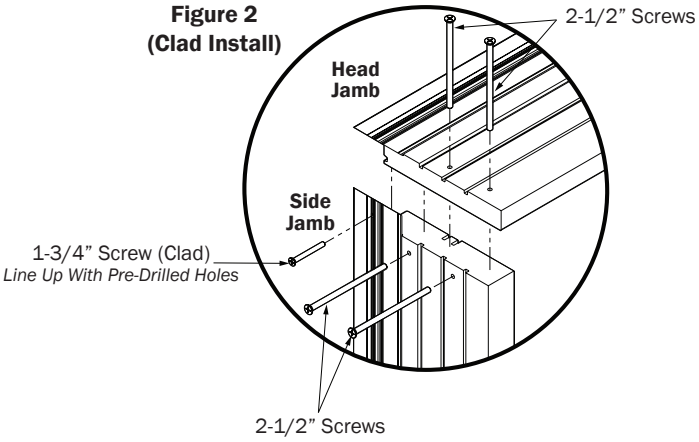
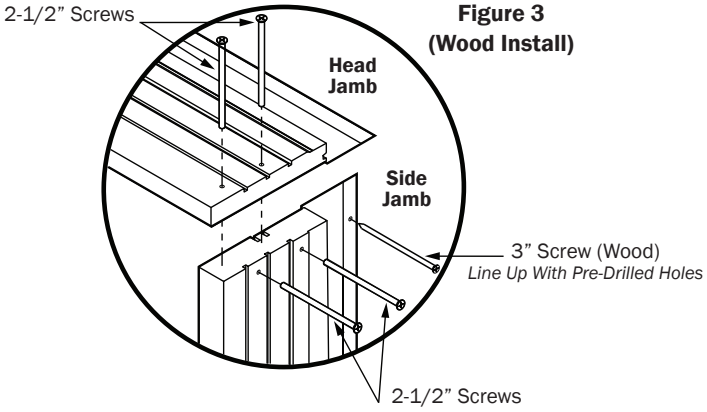


Figure 3
(Wood Install)



FRAME ASSEMBLY

1. Apply 1/16" silicon bead onto sill dado at both ends (Fig. 1). **NOTE:** Frame needs to be assembled within 15 minutes of this silicon detail.

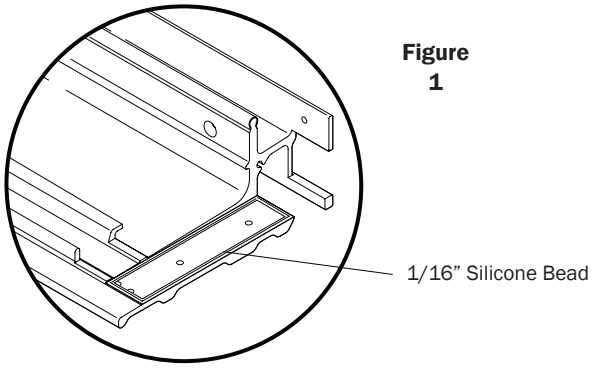


Figure 1

2. Lay side jamb assemblies, head jamb assembly, and sill on a flat level surface, exterior side down.

3. Screw the head and side jamb corners together using (4) #6 x 2-1/2" Flat Head screws, pre-drilling with 3/32" bit into wood before fastening with screws (Fig. 2 & 3). For clad units, apply (1) #6 x 1-3/4" Flat Head screw through side clad into head clad screw boss (Fig. 2). For wood units, apply (1) #8 x 3" Phillips Pan Head screw instead (Fig. 3). **NOTE:** Make sure screws line-up with pre-drilled holes when assembling frame corners.

4. Clamp and screw sill corners together with (1) #6 x 2-1/2" Flat Head screw horizontally from side jamb into sill screw boss through pre-drilled holes, then (1) #6 x 1-3/4" Flat Head screw vertically into each side of frame cladding and note that the hole closest to the edge is for wood units only. Finally run (2) #6 x 2-1/2" Flat Head screws vertically from bottom of sill, up into side jamb (Fig. 4).

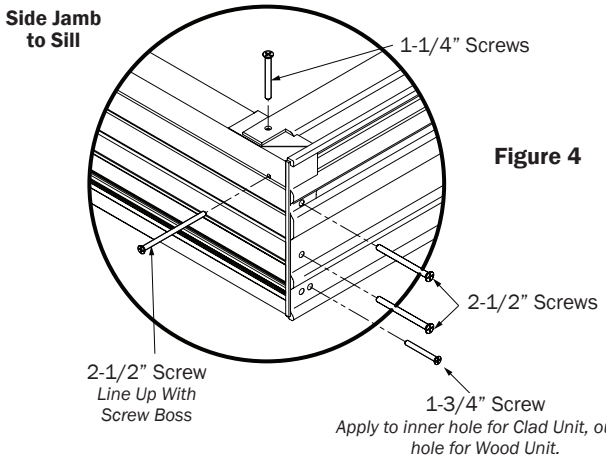
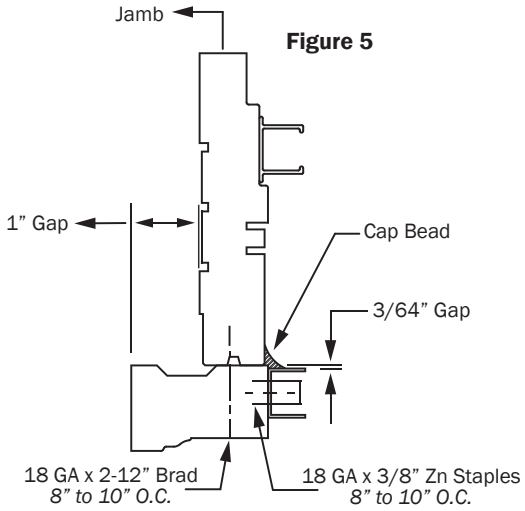


Figure 4

BRICKMOULD & SCREEN TRACK INSTALLATION - WOOD ONLY

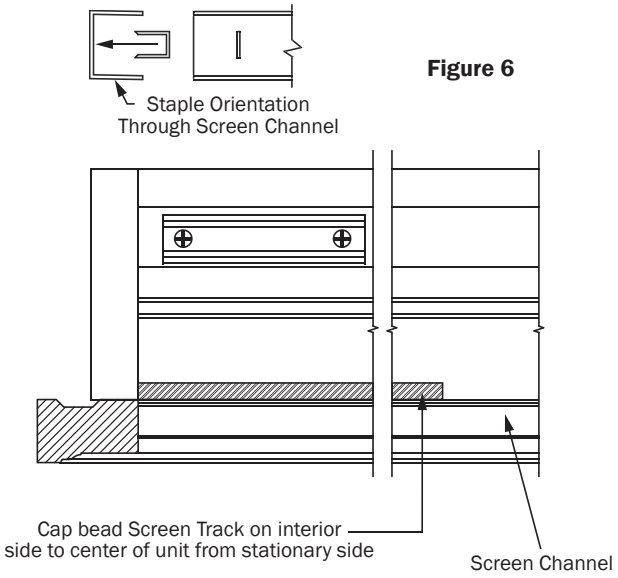
5. Place the brickmould so the top face is exactly 1" from the outside face of the jamb. Make sure brickmould is either vertically or horizontally in-line with the jamb. Attach with 18 GA x 2-12" Brad nails, 8" to 10" O.C. down the length of the brickmould. Check to make sure the mitered ends of the brickmould align with each other (Fig. 5). Brickmould installation is now complete.

Figure 5



6. Starting with the top screen track, place it 3/64" (0.046") proud of the back face of the brickmould in the orientation shown (Fig. 5). Make sure the top screen track is cut to the proper length and level with head jamb. Attach top screen track with 18 GA x 3/8" Zn staples 8" to 10" O.C. the entire length. Repeat with side screen tracks, making sure it is cut to the proper length and buts up against top screen track. Confirm screen track is vertically in-line with side jambs. Attach side screen tracks with 18 GA x 3/8" Zn staples 8" to 10" O.C. the entire length. Place a cap bead of silicon on interior corner of where the screen track and jamb meets and apply the length of the screen track.

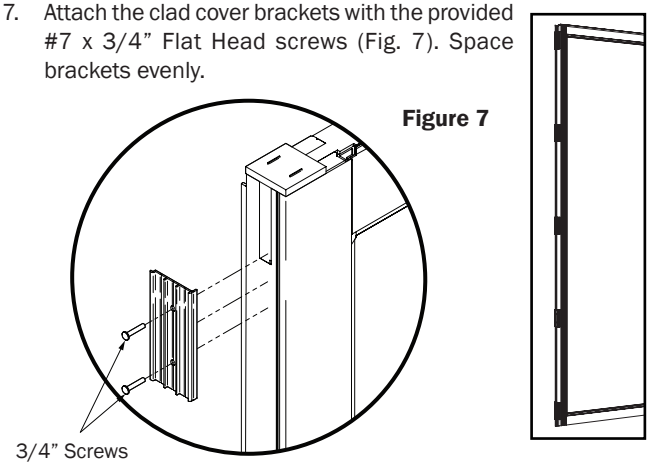
Figure 6



STATIONARY PANEL PREP

7. Attach the clad cover brackets with the provided #7 x 3/4" Flat Head screws (Fig. 7). Space brackets evenly.

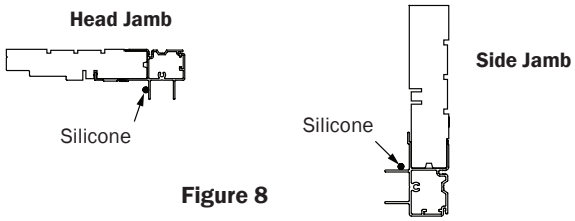
Figure 7



STATIONARY PANEL INSTALLATION

8. Before rotating panel into position, place a 1/4" horizontal bead of silicone along interior of screen track where stationary panel will be placed (Fig. 8).

Figure 8



9. Place a 1/4" vertical bead of silicone along interior of screen track where stationary panel will be placed, as well as into Kerfs at bottom of side jamb.

10. From the interior, lift the stationary panel and tilt the top of panel to interior of frame. Place the bottom of the panel with the sill lug onto sill and tilt the panel outward until vertical. Slide the panel tight to the side jamb (Fig. 9).

Figure 9

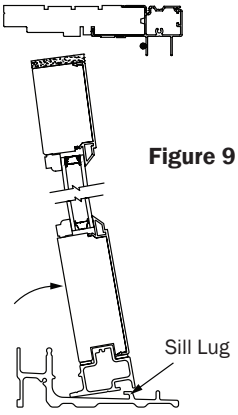
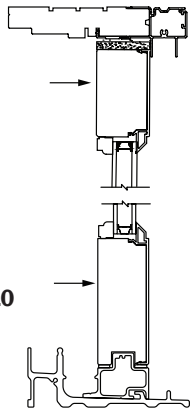


Figure 10



11. Slide Stationary panel forward so entire panel is tight against sill lug (Fig. 10).

12. Pre-Drill 3 holes into the side jamb, one towards the top, one in the middle and one towards the bottom. Starting on one side and from the top, work down the frame to fasten the provided #6 x 2-1/2" Phillips Flat-Had screws (Fig. 11). Next, screw in the provided #8 x 3" Phillips Flat-Head screw through the head jamb and into the stationary panel interlock stile, (use one screw for a 2-Wide unit and two screws for a 4-Wide unit).

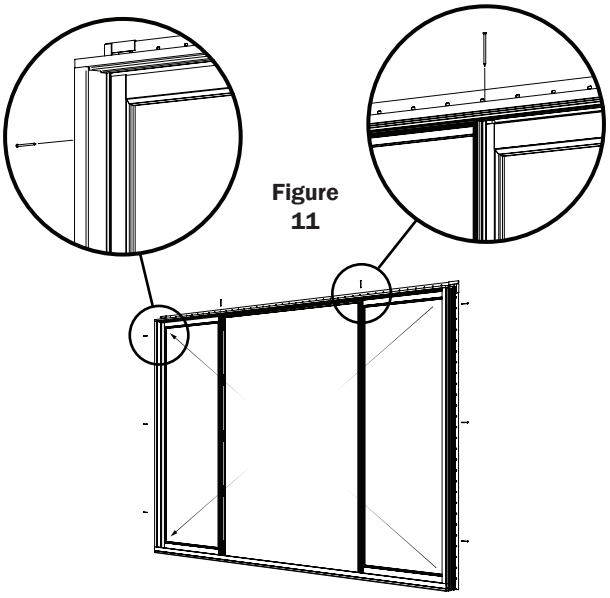
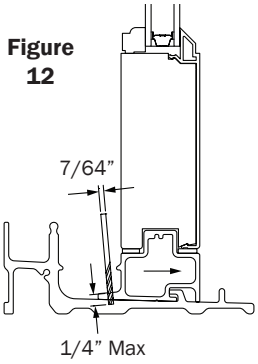


Figure 11

13. Pre-drill 2 holes 2" from end of stationary filler O.C. using a 7/64" drill bit to a maximum depth of 1/4" and line up bit with screw hole scribe (Fig. 13). **DO NOT PENETRATE THROUGH SILL**.

Figure 12



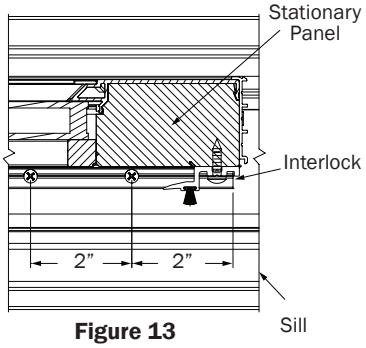


Figure 13

Figure 14

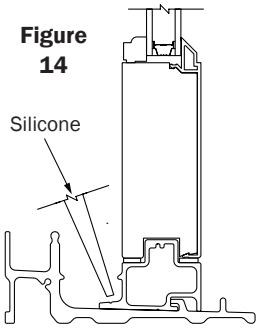
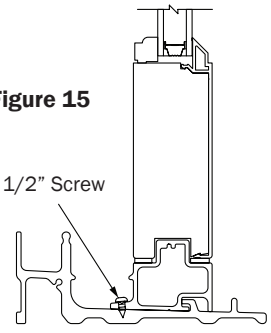


Figure 15



14. Confirm that frame is square by measuring diagonally from corner to corner. Measurement must be within 1/8".

15. Place silicone into pre-drilled holes before screw placement (Fig. 14) and attach two (2) #7 x 1/2" Flat Head Screws through sill lug and into sill (Fig. 15).

INTERLOCK AND SILL COVER INSTALLATION

16. Install the weather strip into the Interlock from the top and slide weather strip down to bottom of interlock (Fig. 16).

17. Add a strip of silicone at top corner of stationary panel (Fig. 16).

18. Install the aluminum parting stop into the head jamb. The center of the parting stop should be equal distance from each end of the frame if a 4-Wide unit. Attach 3/8" staples approximately 6" to 8" apart (Fig. 16 & 17).

Figure 16

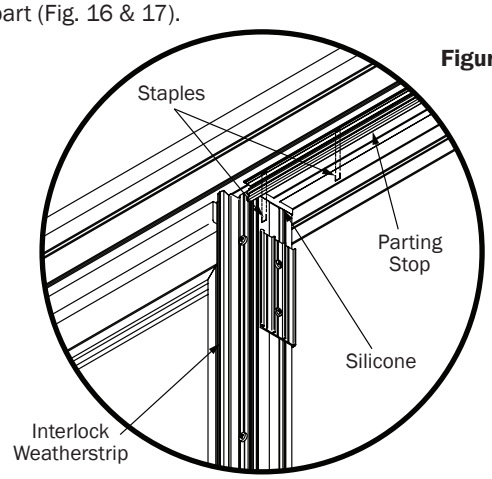
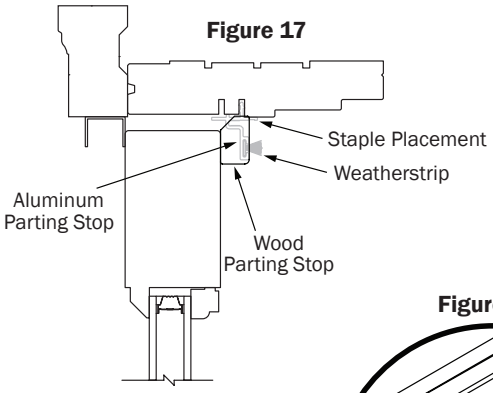
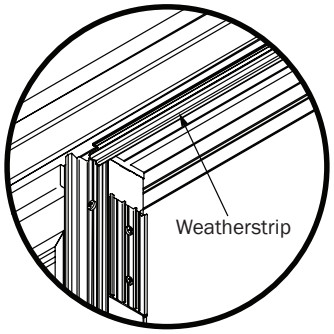


Figure 17



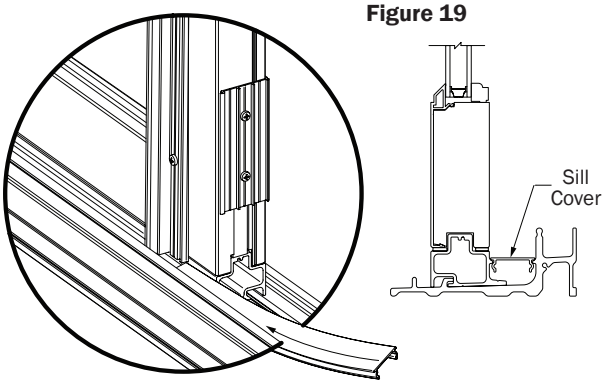
19. Once parting stop is in place, slide parting stop weatherstrip into parting stop T-slot (Fig. 18).

Figure 18



20. Slide sill cover into area between sill and sill block. Sill cover should then butt up against the side jamb (Fig. 19).

Figure 19



21. Attach dust pads after stationary panel is installed to frame and sill cover is attached to sill (Fig. 20).

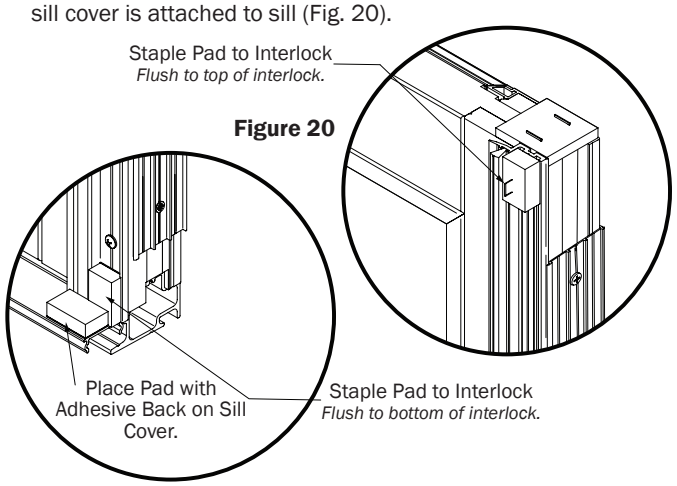
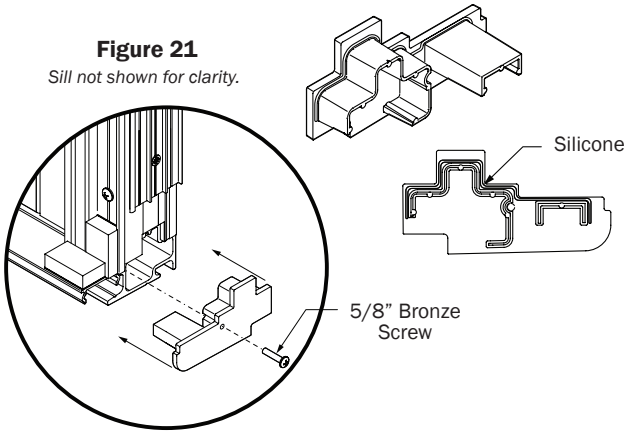


Figure 20

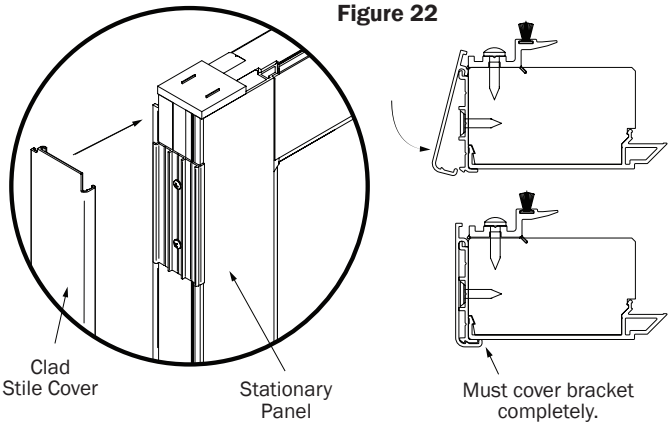
22. Install panel cap at base of stationary panel(s) by first applying 1/16" bead of silicone, as shown, to the cap and fastening into place with the provided #6 x 5/8" Pan Head screw (Fig. 21).

Figure 21
Sill not shown for clarity.



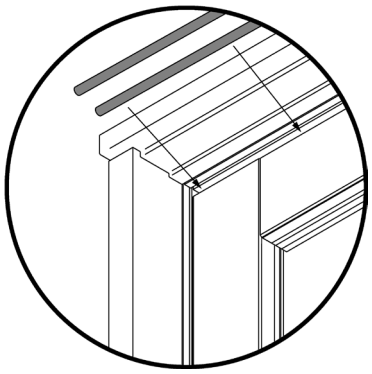
23. With the sill cover inserted and end cap installed on stationary filler, the clad stile cover needs to be applied to the end of the stationary panel. Hook clad stile cover onto interior side of cover bracket, rotate towards exterior stile face and snap into exterior side of bracket. Be sure stile cover is covering up bracket to exterior, no mill finish bracket exposure allowed. Tap down cover with rubber mallet if needed (Fig. 22).

Figure 22



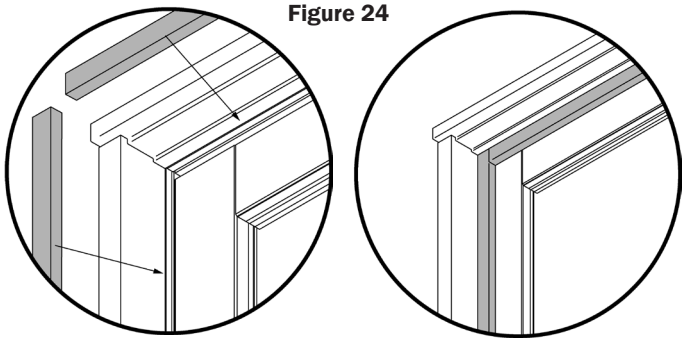
24. Place (2) 3/8" Diameter backer rods into cavity above the stationary panel. Backer rods should be as long as the cavity. Repeat for opposite side if door is an OXXO.

Figure 23



25. Attach the interior wood parting stops using 1-1/4" brad nails, spacing them 8" to 12" apart. Repeat for opposite side if door is an OXXO.

Figure 24

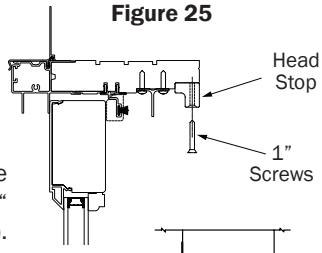


OPERABLE PANEL INSTALLATION

26. To install the operable panel(s), the head stop and T-Rails, which are applied at the factory, will need to be removed first.

27. Remove the head stop by backing out the 1" Flat Head Screws and put aside (Fig. 25). These will be re-installed.

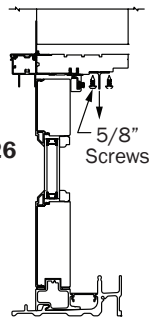
Figure 25



28. Remove T-Rails at the frame head by backing out the 5/8" screws and put aside (Fig. 26). These will be re-installed later.

29. Starting with one of the operable panels, lift from the bottom of the panel, and place the rollers onto the roller track. (Fig. 27).

Figure 26



30. Next, place the corresponding side's T-Rail into the U-Guide at top of panel. Finish by tilting the panel upright into place (Fig. 27).

31. Reattach the T-Rail to the head by replacing the #6 x 5/8" screws that you set aside. Hold onto active panel until t-rail is fastened. **Note:** The innermost holes (8) will require the 3" screws, step 32.

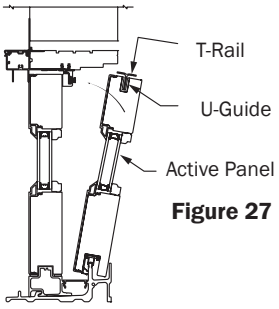


Figure 27

Repeat Steps 28-30 for the other operable panel (If door is an OXXO).

32. Slide the operable panels left and right to reveal the T-rail and the eight (8) innermost holes. Apply the #8 x 3" pan head screws (match the screw color to the T-rail color) into these holes, securing the door frame into the rough opening wood header (Fig. 28 & 29). **Note:** Be sure to use shims between the door frame and header to prevent bowing the head jamb when the longer screws are applied.

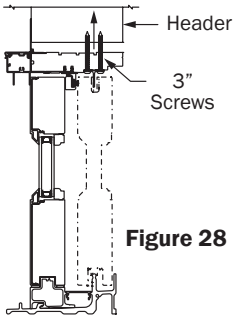


Figure 28

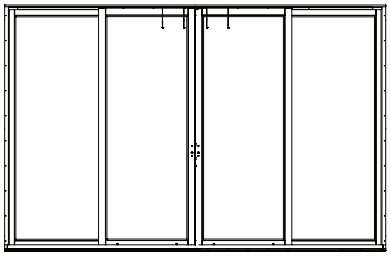


Figure 29

33. With the operable panels in place, reattach the head stop by replacing the 1" Flat Head screws that you removed in step 27 (Fig. 30).

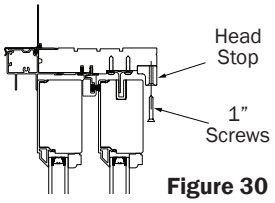


Figure 30

PANEL ADJUSTMENT

34. To adjust the panels, the rollers can be accessed using the holes on the interior face of the bottom rails. Each roller can be adjusted separately using a Phillips head screwdriver. Turning clockwise raises the panel and counter clockwise lowers the panel. Adjust until panel glides smoothly on the track and panel is plumb and level with the head. Top of panel should be approximately 1/4" from the head (Fig. 31).

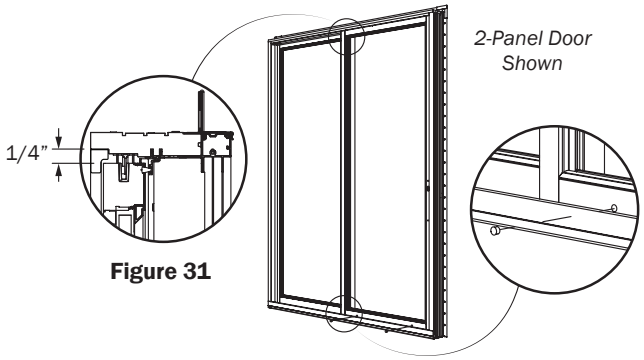


Figure 31

35. Install the provided plastic roller adjustment hole plugs when adjustment is complete.

HARDWARE INSTALLATION

36. Attach the handle set and dummy handle set to the operable panel(s) following the provided manufacturer's instructions. (Fig. 32).

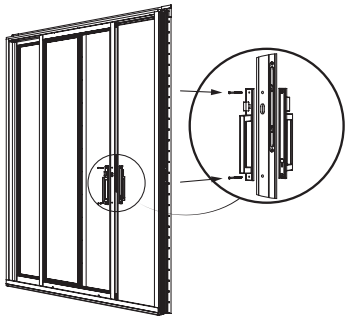


Figure 32

2-Panel Door Shown

37. If a 2-panel door, to locate the keeper position on the jamb, place black locator within the latch (Fig. 33) and close the active panel strong enough to dimple the side jamb (Fig. 34).

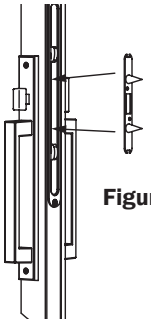


Figure 33

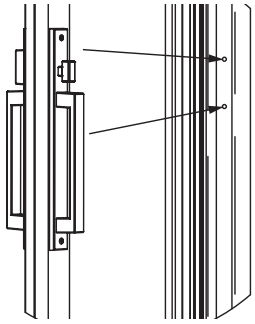


Figure 34

If an OXXO door, to locate the keeper position on the stile on the panel with the dummy handle, place black locator within the latch (Fig. 35) and close the active panel strong enough to dimple the other panel (Fig. 36).

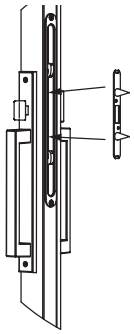


Figure 35

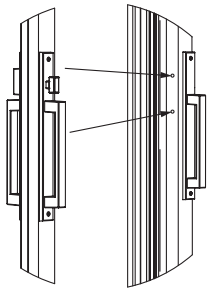


Figure 36

38. Using the dimples as a guide, install the keeper using the (4) #8 x 1-1/4" pan head screws. Adjust the keeper up or down until the latch engages properly (Fig. 37).

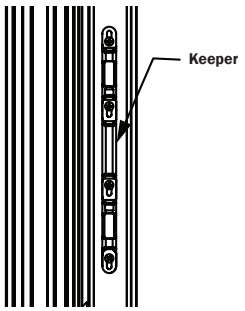


Figure 37

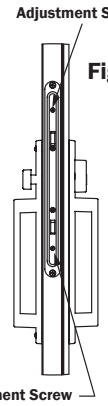


Figure 38

39. The screws in the lock can be adjusted to make the door lock tighter or looser. Each hook adjusts individually (Fig. 38).

40. Attach one of the supplied bumpers to the bumper clip located on the head jamb on the stationary panel side of the door. Apply by pressing the bumper up into the installed clip. Place the other bumper over the roller track on the sill (Fig. 39). Repeat on opposite side if door is an OXXO.

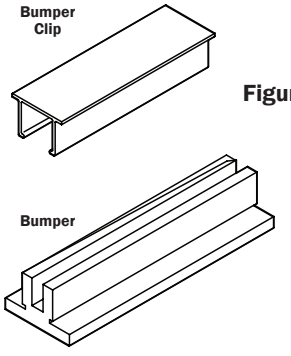
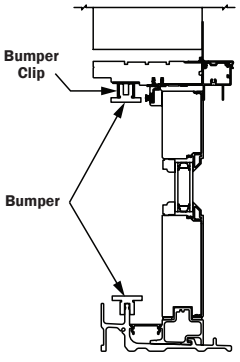


Figure 39



If door is a 2-panel, place supplied gasket on the sill against the side jamb over the operable panel track (Fig. 39). Gasket should sit underneath side jamb bulb weather-strip.

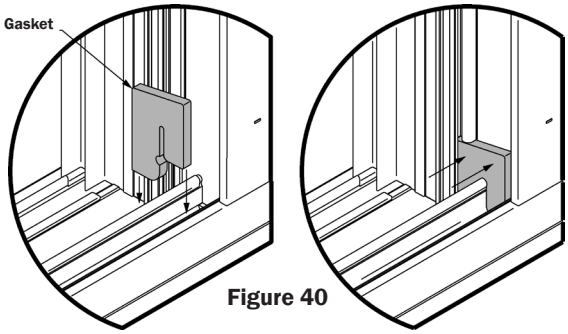


Figure 40

ATTACH SILL STOP

42. Before attaching sill stop to sill, apply a 1/4" bead of silicone along the full length of stop (Fig. 41).

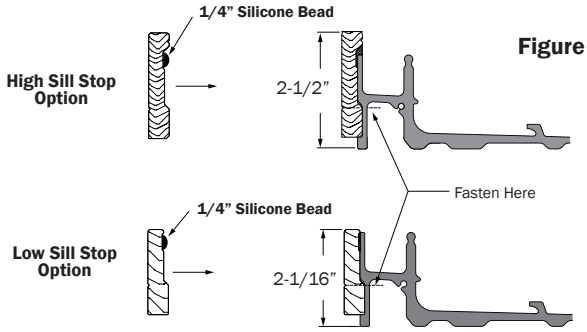


Figure 41

43. Attach sill stop to sill using 1-1/4" Braid Nails, placed 8-10" apart, through the locator line on the stop (Fig. 41 & 42).

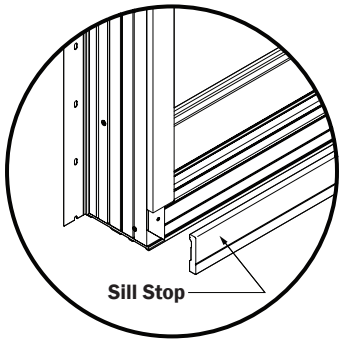
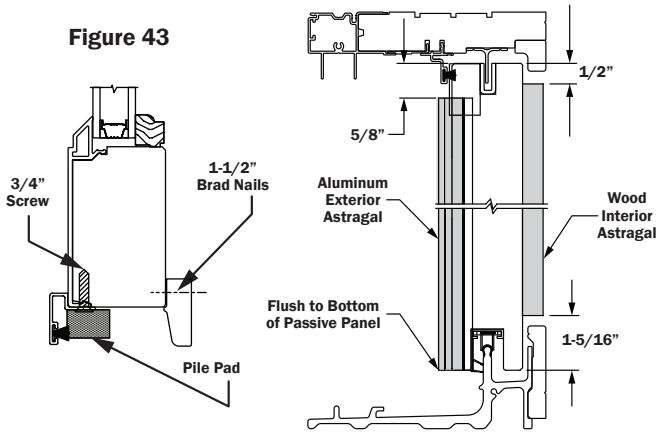


Figure 42

ASTRAGAL APPLICATION - OXXO ONLY

Figure 43



44. Glue wood interior astragal onto interior of passive panel, astragal should sit 1/2" from top of panel and 1-5/16" from bottom of passive panel. Attach wood interior astragal to passive panel using 18 GA x 1-1/4" brad nails 8" to 10" apart (Fig. 43).

46. Apply a bead of caulk to the back of the aluminum astragal along it's entire length and place astragal onto exterior of passive panel 5/8" from top of panel and flush to bottom of panel.

47. Attach aluminum exterior astragal to passive panel using the supplied #8 x 3/4" flat head screws 12" O.C. max.

48. Attach the 1/2" x 3/4" x 1-1/4" pile pad to top of passive panel.

SCREEN APPLICATION

49. Install the screens per the instructions included in the screen packet. Measure the distance between the head screen channel and the screen roller track. Cut the screen astragal 1/8" shorter than this measurement (Fig. 44).

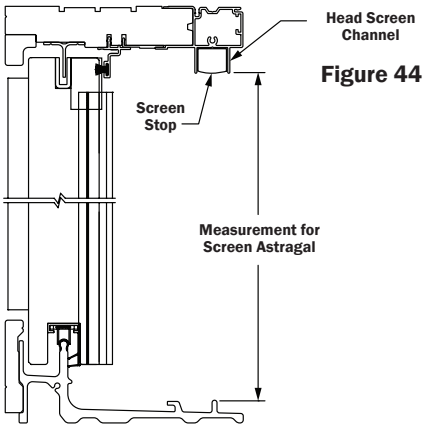


Figure 44

50. Holding the astragal in place on the edge of the screen, drill an 1/8" hole into the interior screen wall. After drilling the first hole, screw the astragal to the screen using a #8 x 3/4" pan head screw to hold it in place while drilling the rest of the holes (Fig. 45). Finish installing the remaining screws.

51. Attach screen stop in the head screen channel at the center of the door using the provided #8 x 3/4" pan head sheet metal screw (Fig. 45).

52. Install screen door strike per manufacturer's instructions included in the screen packet.

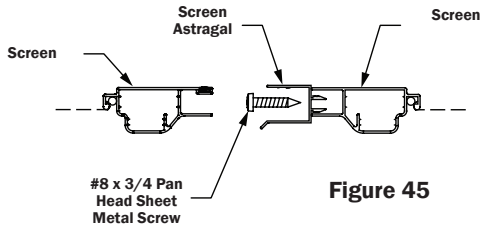


Figure 45

This concludes the assembly for a Lincoln Slide Patio Door.