**Step 1:** Remove the mainframe of the door from the shipping container and lay the door out as shown in Figure 1. Note that the door comes with each corner numbered. Match 1-to-1, 2-to-2, 3-to-3 and 4-to-4.

**Step 2:** In figure 2, please note that the sill of the door has four pieces of aluminum track already snapped into the door. The sill and head have gaskets already attached to them.

**Figure 1.**

**Figure 2.**

**Step 3:** Figure 3 is a computer rendering of the sill. Figure 2 shows us tracing the part with silicone. Look at the red faces in the Figure 3 that are bordered in black. Apply silicone to all the red surfaces shown in the rendering. There are gaskets that cover these areas, but we still recommend applying silicone as an insurance policy against water infiltration. The two areas to be sealed with silicone are shown with the five yellow arrows...*don’t forget the vertical arrow!!!*

**Figure 3.**

*Painted vinyl windows and doors*
In the view to the right we are indicating which screw to screw in first. There are two screw lengths supplied with the door for the mainframe. Use the 2” pan head in this location. (We have purposely not shown the jamb in the view to the right. We only want to suggest which screw to put first.)

**Use 2” inch pan heads in this location**

**Figure 4.**

**Step 4:** Figure 5. shows the first screw being installed in the position described in Figure four. We recommend adding a bead of silicone to the all screws before you install it. It is not absolutely necessary, but it will add insurance to a water tight installation.

**Figure 5.**

**Step 5:** Finish screwing the mainframe together using the shorter screws provided. (1” inch #8 pan-head screw)

**Use 1”inch pan heads in this location**

**Figure 6.**

Painted vinyl windows and doors
**Step 8:** If you cut off the blue leg in Step 3 and/or the nail fin in Step 3, then trim the jamb as shown in Figure 6.

**Step 7:** Refer to Figures 7 and 8. Lay out a chalk line 3/4 inch inset from the nail fin. (see figure eight) If the panning system as shown in Figure Seven is installed, layout a chalk line @ 7 3/4 and 9 1/4 inch inset from the nail fin (see Figure Seven). Lay a heavy bead of silicone on the 7 3/4 line. Install the back edge of base of the panning system on the 9 1/4 chalk line. Fasten the base down with 1” roofing nails. Flash the corners with butyl flashing tape. Flash the balance of the exposed subfloor with strips of butyl flashing tape. The subfloor should now have a complete panning system and the door is ready to be placed in the opening.
Alternative pan Step 7A: If the customer elects to create a panning system, bend sheet aluminum or galvanized steel into the shape shown in Figure 9 and 10. Follow the same basic caulking procedures as in Step 7. If the door is installed in a concrete slab omit the 2 5/8 turn and increase the 8 7/8 inch dimension to 10 1/8 as indicated by the red phantom dimension.
Step 8: Figure 11. Lay a bead of Silicone sealant around the perimeter of the rough opening.

Step 9: Figure 12. Install the assembled mainframe in the opening. It is best if you position the sill very close to the finished position and then rock the door into the opening. This way the caulk is not smeared out of place and will provide a good seal.

Step 10: Figure 13. Center the door in the opening. Level either the left or right jamb and screw the jamb in place. Only place a couple of screws in the jamb. The jamb may have to be moved a little after the next steps are complete. By only fastening with a couple of screws, the door will be easy to moved by remoing the screws and repositioning the door. After the door is in the final position come back and finish nailing or screwing the door in place. A fastener should be placed at least every 12” when the door completely installed.
Step 11: Figure 14. Check the diagonal dimension as indicated by the black lines in Figure 14. Make sure the diagonals are within 1/8 inch--1/16 inch is preferred.

Step 12: Figure 14 & 15. Sight the head of the mainframe as indicated by the horizontal black line in Figure 14 and the line of sight indicated by the red eyeball in Figure 15. After the diagonals and the sighting of the head are good, then add a couple of screws in the head. Check the diagonals and sight line alternatively until the door is level, plumb and square. When this is verified by a final check--screw or nail the door permanently with a fastener placed every 12” or every other pre-punched nail hole. Make sure caulk is oozing out of any pre-punched hole not used--Apply Silicone sealant as necessary.

Step 13: Figure 16. Install the four door panels. They load with the head of the panel loading first. The doors come with the rollers pre-installed. Make sure the rollers are adjusted all the way up before attempting to install the door. See Figure 17 if you do not know how to adjust the rollers. Screwing the adjustment screw clockwise should raise the door. Screwing counter clockwise should lower the door.
Step 14: Study Figure 18 & 19. This shows how the interlock snaps into the sashes that have just been installed in the door. The holes punched into the interlock go to the bottom of the door. The hole allows for access to adjust the rollers (See Figure 17). Tap the interlock onto the sash using a block of wood or a mallet as shown on this page.

Tip#1: The easy way is to nest the leg pointed to by the red arrow into its final position and then lightly tap the interlock with a mallet or a block of wood.

Lightly, it doesn’t take much to engage.

Tip#2: Start tapping the interlock onto the sash panel in the middle. If started on either end you might damage the little leg.

Step 15: Install the Patio door hardware that comes with the kit. Refer back to Figure 9 and snap in the door sill tower. If you purchased the ramp as shown in Figure 9 insert it into the door now. Finish leveling the door panels. You may need to adjust the interlocks up or down. If they are too low or too high the interlock may drag on the aluminum track or drag on the upper mainframe.

Tip#3: If you do not follow tip’s 1&2 and try to tap both legs in without engaging or nesting the recommended leg; the task will be much harder. Actually if you follow the recommended tips, the interlock can be engaged with a simple rap with your hand.

Painted vinyl windows and doors
Figure 19.

Sizing Chart for four panel door

<table>
<thead>
<tr>
<th>Call size</th>
<th>Rough opening</th>
<th>Actual door size</th>
</tr>
</thead>
<tbody>
<tr>
<td>16'0&quot; x 8'0&quot;</td>
<td>187 7/8&quot; x 95 7/8&quot;</td>
<td>187 5/16&quot; x 95 5/15&quot;</td>
</tr>
<tr>
<td>12'0&quot; x 8'0&quot;</td>
<td>139 7/8&quot; x 95 7/8&quot;</td>
<td>139 5/16&quot; x 95 5/16&quot;</td>
</tr>
<tr>
<td>10'0&quot; x 8'0&quot;</td>
<td>115 7/8&quot; x 95 7/8&quot;</td>
<td>115 5/16&quot; x 95 5/16&quot;</td>
</tr>
<tr>
<td>16'0&quot; x 6'8&quot;</td>
<td>187 7/8&quot; x 79 7/8&quot;</td>
<td>187 5/16&quot; x 79 5/16&quot;</td>
</tr>
<tr>
<td>12'0&quot; x 6'8&quot;</td>
<td>139 7/8&quot; x 79 7/8&quot;</td>
<td>139 5/16&quot; x 79 5/16&quot;</td>
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<td>115 7/8&quot; x 79 7/8&quot;</td>
<td>115 5/16&quot; x 79 5/16&quot;</td>
</tr>
</tbody>
</table>

Painted vinyl windows and doors
Figure 20 shows a suggested method to frame up the wall to accommodate the 8 5/16 jamb depth of the door.

This area is intentionally blank. It is a place holder for rough opening information for the 9600 three panel door.

**Figure 20.**

*Special note: If the door is installed on a deck and the outside of the door is not supported then a support member should be added as suggested by the wood block rendered in Figure 21. (See blue arrow pointing to the support needed.)*

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Painted vinyl windows and doors

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Page 9 of 11--0600 four panel door Installation manual
Door comes with all the components necessary to assemble the door lock.

If the door lock is to be installed, use a screw driver to remove the “knockout plug”.

View of the “knockout plug” removed

Look for the item pictured and note the four little fins pointing toward the hole you just knocked out.

Insert the key in the key lock provided. There is a vertical fin on the lock cylinder.

Nest the vertical fin into one of the fins indicated in the previous two pictures

Locate the 1/2 inch machine screw and screw it into the screw boss which will retain the lock cylinder.

With the verticle fin of the lock cylinder up rotate the cylinder until the key can be removed with the straight side of the key “down”. If the key is not rotated correctly you will not be able to remove the key from the cylinder. After you install the lock cylinder into the lock set, rotate the handle set to fit the sash door assembly. (You will have a left and a right. They both assemble the same way.)

* Note the screw above the key cylinder. This is the screw installed in previous step.
Screw the pins into the positions shown.

The mortise lock pointed in black is already installed in the factory. Align the rectangular pin pointed in yellow with the hole in the mortise lock.

Install the inside lock mechanism on the inside of the door. Align the rectangle pin to go into the rectangular hole.

position the “D handle” so the screw bosses align with the clearance holes in the door. The handle set will hold the inside lever lock in place.

Screw the handle set to the lock set with the screws provided. The lock assembly is now complete.

Look for these items and assemble them as shown.

Applies to the 9600 series door
With the Lock in the locked position, position a framing square like the picture. The top of the square is even with cradle of the latch mechanism.

Applies to 9600 Series door
With the square located, transfer a mark to the jamb of the vinyl door. Locate the “keeper” so that the top of the latch hole aligns with the top of the square.

Applies to the 8005 and 9000 series door
The mainframe of the door should be dimpled. The dimples are highlighted by the yellow lines. Screw the keeper into the door. For a more secure installation, screw in screws long enough to penetrate the 2 x 4 framing behind the vinyl jamb.

Painted vinyl windows and doors