



# SOLID VINYL PATIO DOOR

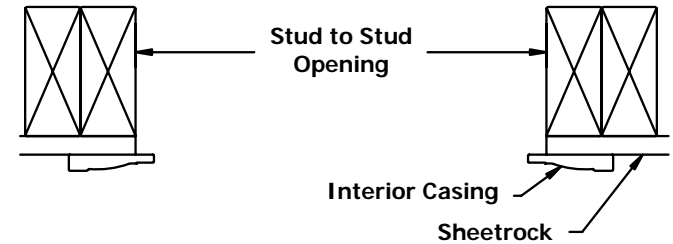
## MEASURING AND INSTALLATION INSTRUCTIONS

### Measuring the Opening

The buck size and recommended opening sizes for stock size Harvey Solid Vinyl Patio Doors are as follows:

Door Set-Up	Door Size	Buck Size	Recommended Opening Size
OX/XO	5068	59 3/4" x 79 3/4"	60 1/4" x 80 1/4"
OX/XO	6068	71 3/4" x 79 3/4"	72 1/4" x 80 1/4"
OX/XO	8068	95 3/4" x 79 3/4"	96 1/4" x 80 1/4"
XOX	9068	104 3/4" x 79 3/4"	105 1/4" x 80 1/4"
XOX	12068	140 3/4" x 79 3/4"	141 1/4" x 80 1/4"
O XO	9068	107 3/4" x 79 3/4"	108 1/4" x 80 1/4"
O XO	12068	143 3/4" x 79 3/4"	144 1/4" x 80 1/4"
OXXO	10068	117 1/4" x 79 3/4"	117 3/4" x 80 1/4"
OXXO	12068	141 1/4" x 79 3/4"	141 3/4" x 80 1/4"
OXXO	16068	189 1/4" x 79 3/4"	189 3/4" x 80 1/4"
Fixed Sidelite	2668	32 5/8" x 79 3/4"	33 1/8" x 80 1/4"
Fixed Sidelite	3068	38 5/8" x 79 3/4"	39 1/8" x 80 1/4"
Fixed Sidelite	4068	50 5/8" x 79 3/4"	51 1/8" x 80 1/4"

Custom-sized Harvey Solid Vinyl Patio Doors are available to fit non-standard size openings



**A. Carefully remove all interior trim to confirm actual stud opening dimensions.**

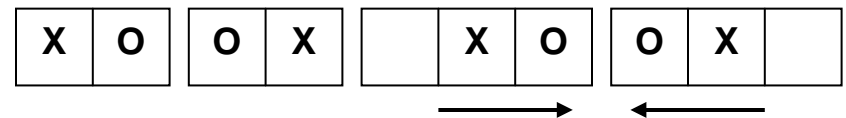
**B. Measure the Width:** Stud to Stud Opening - measure top, bottom and center width and use the smallest dimension. The stud to stud opening width must be greater than buck width of the stock door. E.g., for a 6068 door, it must be greater than 71 3/4".

**C. Measure the Height:** Measure opening height in 3 places and use the smallest dimension. The rough opening height (including the existing threshold thickness) must be greater than the buck height of the stock door. E.g., for a 6068 door, it must be greater than 79 3/4".

**D. Measure the Wall Depth:** The Harvey Solid Vinyl Patio Door will extend 4 9/16" into the opening when the fin is resting against the exterior sheathing. This allows for a "typical" 2x4 construction wall depth. If your existing wall depth is greater than 4 9/16" you will need to make up the difference with a wood "return" from the inside casing to the new door.

**E. Specify Fixed & Operating Panels:** When ordering, please specify fixed & operating panel(s) as viewed from the outside.

X = Operating Panel  
O = Fixed Panel





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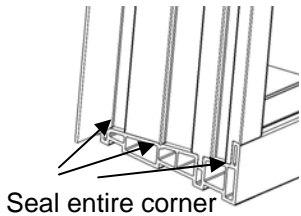
### Before You Begin

Please read instructions carefully and completely before proceeding with installation. Warranty specifically applies to products installed according to factory specifications. Verify that door is correctly sized for opening.

### Suggested Tools and Supplies

- Caulking Gun & Caulk
- Utility Knife
- Drill
- 4' Level
- Phillips Head Screwdriver Bit
- Hammer
- Rubber Mallet
- Insulation
- Framing Square

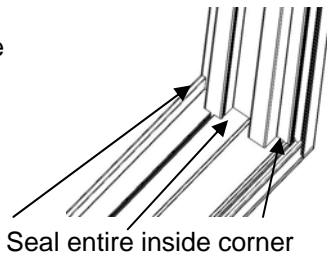
### Assembling the Master Frame



1. Lay head, jambs and sill on flat surface with screen track facing up. Fasten all four corners together using (3) screw per corner (outer screen track hole is left open for #8 x 1½" screw, used below). Align the mating parts, making sure the screws find the correct screw holes. Before

tightening, be sure the inside and outside faces of the frame are even with mating parts. Insert plastic end caps into openings at either end of the header screen track. Secure top corners of screen track using (2) #8x1½" pan head screws, through holes in header & caps into screw hole in jambs. Secure sill corners using 2 #8x1½" Phillips pan head screws.

- 1A. Seal the outside corners of the frame with silicone. Seal the inside of the bottom corners. Ensure the bead covers the entire joint.

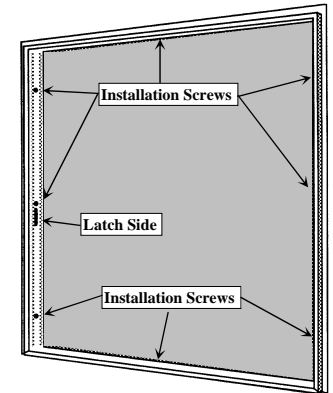


### 3 Panel OXO Door Astragal Installation

2. Position astragal in frame with angled end to bottom and keeper facing rolling track. Install (4) #10x2½" screws through the header and (4) #10x2½" screws through the sill and tighten. Make sure screws align with screw bosses in the astragal reinforcement.

### Securing the Master Frame in the Opening

3. Run a bead of caulk along each of the flat sill support surfaces beneath the sill, and behind the nail fin on the head and jambs.
4. Insert master frame into the opening, keeping the appropriate latch side as tight as possible to the wall stud. Use appropriate sealing and flashing methods, as job conditions dictate. Nail fin should be flush to the sheathing. Shim all four sides until frame is level, square and plumb. A diagonal measurement from corner to corner will confirm squareness. Nail the fin along the jambs and head in each hole along the nail fin.
5. Apply sealant to predrilled sill screw hole(s) and fasten the sill to the floor using #8x2" screw(s).
6. Continue securing the frame in the opening using the #8x2" screws in the mounting holes of the remaining three members.
7. Once the frame is installed in the opening, all mounting holes should be covered with the 3/8" cap plugs provided. Caulk the sill hole before plugging!



**Note:** A kickplate must be installed to support the portion of the sill that protrudes beyond the exterior sheathing.

**Note:** Check that sides of both panels are straight & parallel prior to installation. If any bowing has occurred during handling, stiles can be tapped in or out with a rubber mallet.



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### Installing Rolling Panel into the Master Frame

- Lift in the rolling panel from the outside. Insert panel up into header first and then lower down onto track. Slide panel over to closed positions against the locking side jamb. With a rubber mallet, install rolling panel interlock cover (notched on both ends). Starting at top of sash, snap legs of interlock into sash groove. Continue downward until fully engaged.

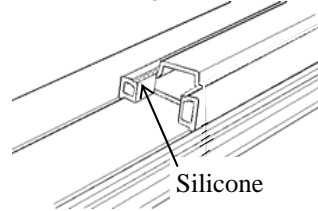
### Flush Mount Deadbolt Installation

- Put deadbolt in locked position and insert the shaft up through the guide at the top edge of sash. Squeezing back legs at the top of the interlock will aid in installation. Snap in interlock as in step 8.

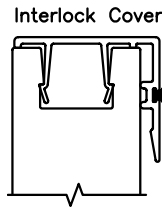
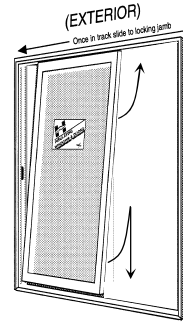
### Installing the Fixed Panel into the Master Frame

**Note:** Fixed panel is shipped with spacer blocks in the groove on jamb side of the panel. These blocks must be left in place to assure proper positioning of the fixed panel.

- Apply silicone along the inner groove on the fixed panel support. Lift the fixed sash up and onto the support, making sure that the snap-in glazing bead is facing the interior. Slide toward the jamb, until the sash is fully seated against the frame (the end of the sash should be flush with the support).



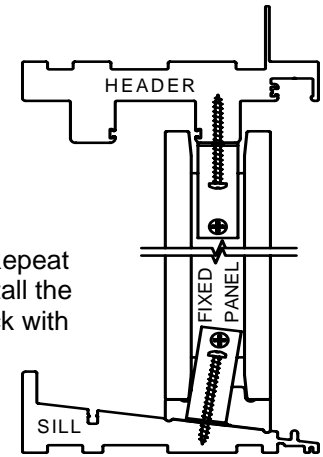
Secure the fixed panel with the two stainless brackets in the upper and lower corner of the fixed sash. The #8 x 5/8" Phillips pan-head screws are used to screw into the panel rail. The #8 x 2" Phillips pan-head screw is used to fasten through the header and the sill (apply sealant to sill screw holes). Finish by installing fixed panel interlock cover (notched on header end only). Opening the rolling panel half way will prevent damage during interlock installation.



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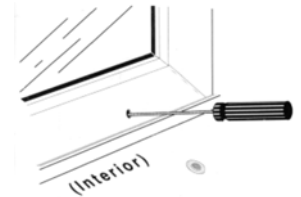
## MEASURING AND INSTALLATION INSTRUCTIONS

- 3-Panel OXO Door Installation.** Repeat step 10 on second fixed panel. Install the interlocks on the sash. The interlock with screen track attaches to the fixed panel on astragal side of door. Secure astragal with #8x2 1/2" self-drilling screw through the predrilled hole in the astragal bar, into the fixed panel, penetrating the aluminum reinforcement in the rail. Cover the hole with 3/8" hole plug.
  - 4-Panel Door Installation.** Door has 2 flushmount deadbolts: install inactive panel (with keeper) on the side with a single flush mount keeper at the header. Active rolling panel goes on the double keeper side (header).



### Adjusting Rolling Panel

- Adjust the rollers on the rolling panel using the adjustment holes located on the bottom of the rolling panel. Lifting up on the panel sides makes the wheel adjustment easier. After adjustment, operate the panel from side to side making sure the sash stiles are square and parallel with the door jamb. Remember to install the 3/8" hole plugs over the roller adjustment holes.





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## MEASURING AND INSTALLATION INSTRUCTIONS

### Installing the Lockset

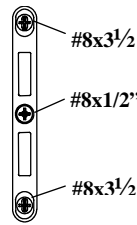
12. Refer to the Manufacturers Lock Instructions provided in each handle set package.

### Installing the Bumper

13. Insert the grey rubber bumper in the sill between the rolling track and the fixed panel against the jamb.

### Installing the Sash Keeper

14. Install the keeper onto the frame with the (2) #8x3½" flat head screws through keeper slots and into predrilled holes and into framing. Loosen screws slightly to allow for adjustment of keeper. Adjust the keeper up or down to provide proper locking operation, then secure through center hole with #8x½" flat head screw. Tighten all keeper screws.



- 14a. **Multipoint Keeper Installation.** The multipoint keeper is pre-attached to the jamb with 2 #8x½" flat head screws. Loosen these screws slightly and adjust keeper up or down to provide proper locking operation. Secure keeper through center slots with (2) #8x3½" flat head screws into predrilled holes and into framing. Remove #8x½" screws from slots move to countersunk holes at each end of keeper to fix keeper location. Secure upper and lower lock points by installing #8x3½" flat head screws into predrilled holes and into framing. Secure keeper through remaining holes with #8x½" screws.

### Installing the Screen

15. Install the screen by lifting it into the track. Adjust screen by turning the adjustment screws located on the bottom rail. Adjust until the screen rolls freely. Adjust screws on top rail to firm up the screen on the track. Position and install the screen latch keeper using the #4x3/4" screws provided. (On 4-panel doors, install screen with keeper attached in front of *inactive* panel. Slide deadbolt at top and lock. Install locking screen in front of *active* panel.)

### Fixed Sidelite Supplement

#### Parts included with Sidelite:

- Left and right jambs
- Header
- Sill with Panel Support
- Screw pack

#### Assembling the Master Frame

Screw sill only to jambs. Note: Leave header off. Apply silicone to panel support, per step 10. Install fixed panels into master frame by sliding it into the top of the jambs and down onto the sill support. Complete master frame by attaching the header, including the screen track end caps, as in step 1.

Proceed to Steps 1A, and 3 thru 7 (Note: No head or Sill installation holes provided, head & sill screws not required,)

### PARTS LIST

Part Description	Fixed Sidelite	2 Panel Stock	3 Panel OXO	3 Panel XOX	4 Panel OXXO
Sill	1	1	1	1	1
Header	1	1	1	1	1
Jambs	2	2	2	2	2
Interlocks	N/A	2	3	4	4
Astragal Bar	N/A	N/A	1	N/A	N/A
Rolling Panel	N/A	1	1	2	2
Fixed Panel	1	1	2	1	2
Screen	N/A	1	1	2	2
Handleset Kit	N/A	1	1	2	2
2 Panel Screw Pack	N/A	1	N/A	N/A	N/A
3&4 Panel Screw Pack	N/A	N/A	1	1	1
Sidelite Screw Pack	1	N/A	N/A	N/A	N/A