



Slide-A-Way Installation & Assembly

SLIDE-A-WAY PATIO DOORS

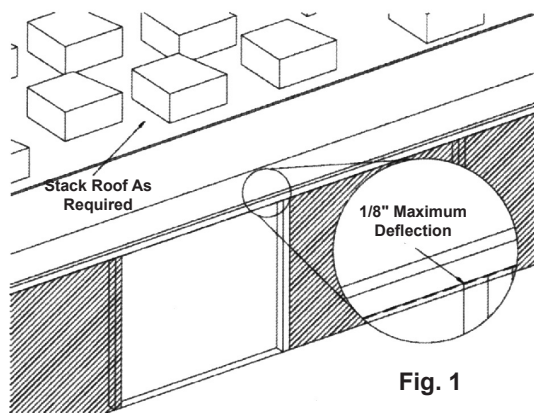
This instruction provides the minimum recommended procedures to correctly prepare the rough opening, install a flanged patio door unit and apply flashing within a residential or light commercial structure that has the weather resistant barrier applied. Local climate may dictate additional flashing at the discretion of the installer. These instructions are minimal recommendations only and do not supercede local building codes

Proper installation and maintenance of Lincoln patio doors is essential to proper door performance. **Failure to follow these installation and flashing guidelines may void Lincoln's Limited Warranty.** It is highly recommended that the Slide-A-Way Door is installed in areas with a minimum of an 8' overhang to prevent water or air infiltration. In order to meet warranty requirements, all systems must be installed by a certified installer. To become certified visit doorinstallercertification.com. Both on-line testing and in-house training courses are available. If you have questions regarding door installation, contact your Lincoln dealer, an experienced contractor or contact Lincoln at (800) 967-2461.

Inspect the rough opening prior to installation and ensure that it is plumb, square and level.

Preparing the Rough Opening (R.O.)

Header Support: Confirm that the roof over the system is stacked and take into consideration the amount of weight of any materials at this location that may cause deflection of the header. No more than 1/8" deflection is allowable for proper system operation (fig. 1).



Clearance: Lincoln Wood Products Inc. published rough openings allow for a 1/4" of clearance on all sides of the unit for insulation purposes. Doors must be set on level sills. If sills are not level the use of rot proof shims to level sills are recommended. Sills that sag or hump up will affect the operation and performance of your Lincoln doors. The frame system may be shimmed to compensate for an uneven floor but will adjust the relationship of the systems sill to the finished floor and may increase the overall height of the system in the opening. Any serious deflection in the concrete or sub-floor where the system is to be installed must be corrected prior to installation.

It is the installer's responsibility to insure that doors are installed plumb, level, and square.

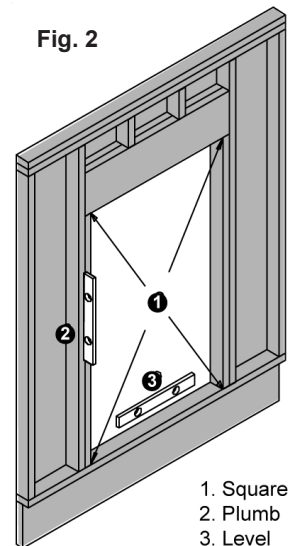
NOTE: Unit must be installed square, plumb and level or warranty may be void.

Measuring for square: Take measurements from bottom left corner to top right corner and bottom right corner to top left corner and compare. If measurements are equal the R.O. is square. If measurements are not equal, R.O. is out of square and it is then the responsibility of the installer to remedy this problem prior to installation (fig. 2).

Checking for Plumb: Place a level on both sides of the R.O. making sure the vertical measurement of each side is true. If R.O. is not plumb, it is then the responsibility of the installer to remedy this problem prior to installation (fig. 2).

Checking Level: Place a level on the sill of the R.O. making sure the horizontal measurement on the sill is level. If opening is not level, the use of rot proof shims may be used to level the sill. Be sure to support the entire sill to prevent the sill from sagging (fig. 2).

Fig. 2



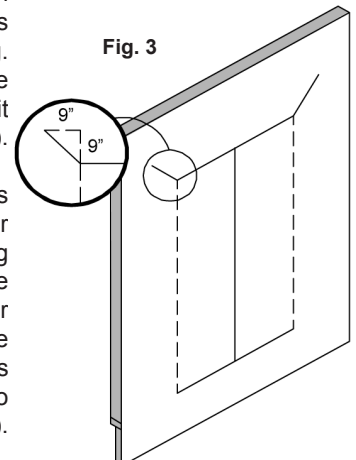
1. Square
2. Plumb
3. Level

Preparing the Weather Resistant Barrier

Draw an "I-Cut" with a marker on the weather resistant barrier. Start from the top left of the R.O. and continue to the top right of the R.O. making sure mark is flush with rough opening. Repeat process on the sill of the rough opening. From the middle of the top of the R.O. drop a line vertically so that it intersects with the sill R.O. (fig.3).

Using a utility knife, cut the lines in the weather resistant barrier starting with the head and working your way down to create the "I-Cut". Fold the side flaps over and into the interior side of the rough opening. Using staples every 12" to 16" fasten the flaps to the interior and trim excess (fig.3).

Fig. 3



Per ASTM standards Lincoln Wood Products Inc. recommends a minimum of 9" wide flexible flashing. For that reason measure 9" up and 9" over from the top left corner of your rough opening and mark. Repeat on top right corner. A scrap piece of flashing 9" x 9" may be used to simplify this step. Once marked cut the weather barrier diagonally from the top corners of the rough opening to the mark made previously (fig.3). Fold weather barrier up and tape or tack temporarily out of way (fig.4).

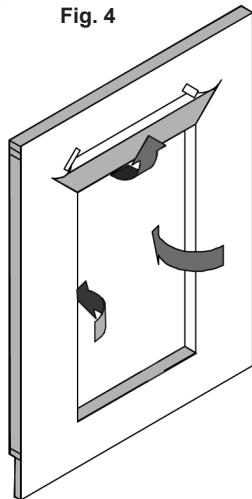


Fig. 4

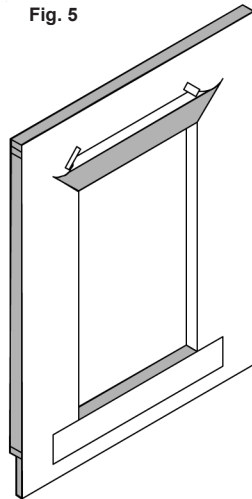


Fig. 5

Flashing: Flashing can be flexible or adhesive back flexible. All flashing must be at least 9" wide & meet (ASTM D-779; water resistance of at least 24+ hours).

Cut sill flashing length 9" beyond each side of the R.O. (R.O. + 18") Apply sill flashing level with top edge of R.O. allowing 9" of flashing to extend to each side of R.O. (fig.4). In some installations, this step will not be possible i.e. doors on concrete slabs or at grade.

If using non-adhesive flashing, fasten the top and sides of the sill flashing with staples located 12" to 16" apart.

Sill Pan Flashing Installation

Lincoln Wood Products, Inc. requires the use of sill pan flashing under all Lincoln door products. The sill pan flashing should be used in conjunction with flexible flashing per Lincoln's instructions. Failure to comply with these recommendations may void Lincoln's Limited Warranty.

The sill pan flashing is to be the exact size of the sill R.O. with an up turned leg height of 1/2" on the sides and back of the sill pan. The intersection between the sides and back of the up turned leg must be sealed in a watertight fashion. The front edge of the sill pan should be down turned to seat against the framing material. In some installations, a down turned leg on sill pan will not be necessary.

Before installing sill pan flashing, determine if sill condition is level. If sill is not level, shims are required to level sill. Be sure to support the entire sill and not allow it to sag. The installer is responsible to install the door level. Rot proof shims are recommended for under sill applications.

When using rigid flashing or non-adhesive flashing, apply two continuous beads of sealant to the rough sill. One on the interior edge the second on the exterior edge. Both are to continue 6" up the R.O. on each side jamb (fig.5). If a shim is necessary place a shim into sealant and apply sealant over the top of the shim. This will insure water will not penetrate under or over the shim (fig.5).

Apply a bead of sealant to the back side of the down-turned leg on the front edge of the sill pan to insure a water tight seal to framing material (fig.5).

Place sill pan into position, compressing it down into sealant and over any flexible flashing materials (fig.6).

Check sill pan for level before final installation.

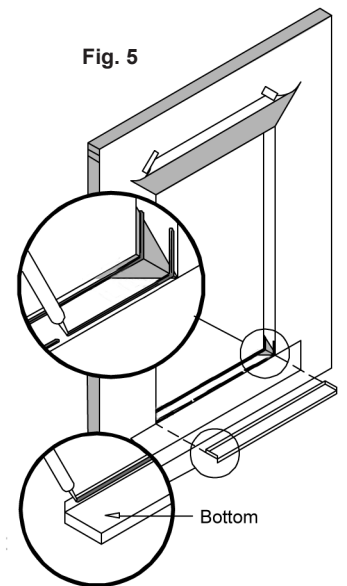
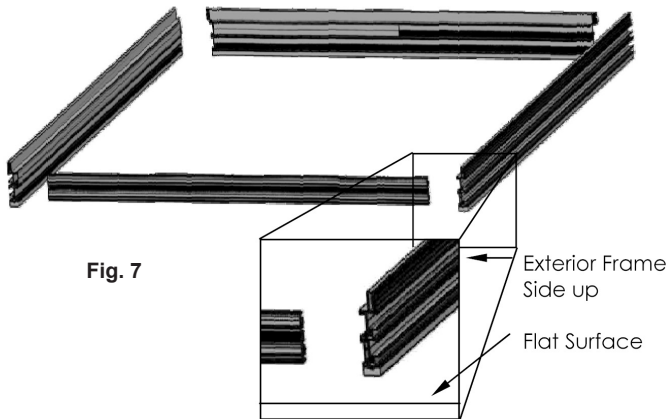


Fig. 5

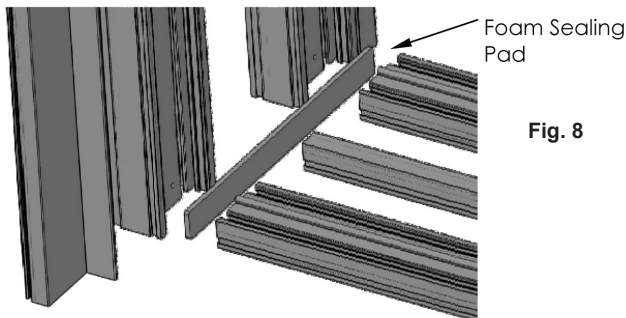
Bottom

Frame Assembly

Lay frame head, sill and side jamb(s) and/or post interlock(s) (for pocketing systems only) on a flat surface with the exterior side up (fig. 7).



Apply foam sealing pads and caulking to top and bottom of jamb legs (fig. 8). Once gaskets are in place, align the left side jamb to the outside top left edge of the head. Attach the left side jamb to the head using screws supplied in the "Jamb Assembly" screw package. Repeat to attach right side jamb or post interlock.

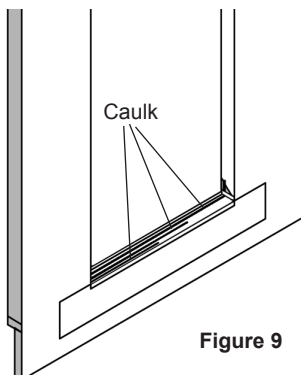


Align left side jamb to the outside bottom left edge of the sill. Attach the left side jamb to sill using screws supplied in the "Jamb Assembly" screw package. Repeat step to attach right side jamb or post interlock.

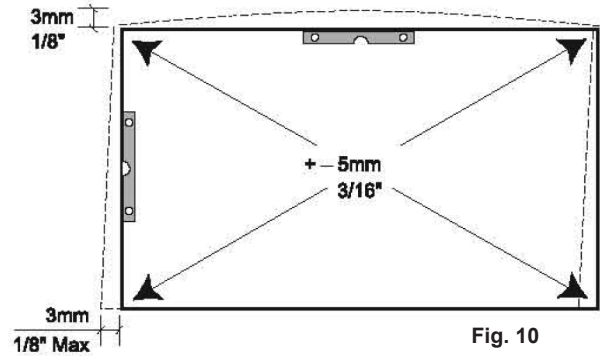
Frame Installation

Prior to installing the frame in the rough opening, lay several generous sized beads of caulking (polyurethane or equal) on top of the sill pan along the entire length where each sill will sit (fig. 9).

Stand assembled frame up and set in prepared opening. Drill concrete for anchor screws located in the sill install screw package through the factory pre-drilled holes located in the sill.

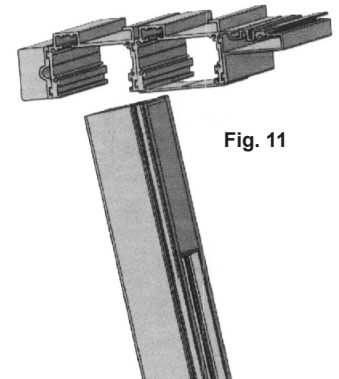


Using a straight edge and/or level, verify that the sill is level and flat. Use shims as needed to level and flatten the sill. Attach using Tapcon masonry fasteners located in the sill install screw package.



Prior to attaching the head, square the frame to within the allowable tolerances. Using a straight edge and/or level, verify that the top track/head is level and flat (fig. 10). Use shims as needed to level and flatten the head. Attach the head through the pre-drilled holes.

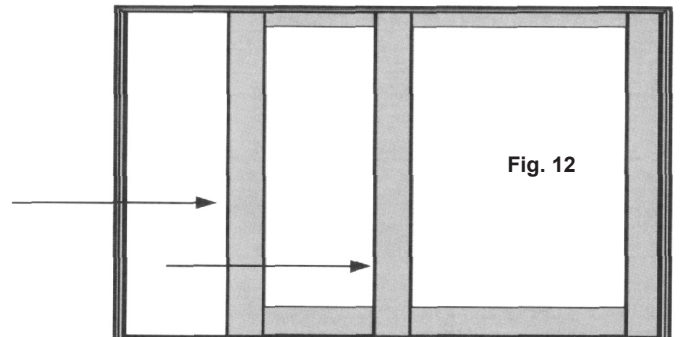
Using a straight edge and/or level, verify that the side jambs are level and flat. Use shims as needed to level and flatten the jambs. Attached the side jambs through the factory pre-drilled holes using the screws located in the jamb install screw package.



Cross measure the frame to confirm there is no variance larger than 3/16" per measurement and that the frame is square to within 1/8" horizontally and vertically.

Panel Installation

Beginning with panel marked #1, holding the panel at an angle toward the head track (fig. 11), insert the top of the panel into the inner most head track and swing the bottom of the panel inward until it is parallel with the top and sits with the wheels on the corresponding sill.



Push panel #1 fully into the pocket (for pocketing systems) or to the fixed panel jamb (for stacking systems). Repeat step for all remaining panels in sequential order (fig. 12).

Follower/Pocket Closure Installation (for pocketing systems only):

From interior side of system, attach the aluminum follower to the bolts located at the back edge of the last panel and tighten bolts with a ½" wrench. Attach the pocket closure to the aluminum follower using the screws supplied (located in the "Follower/Pocket Closure" screw package).

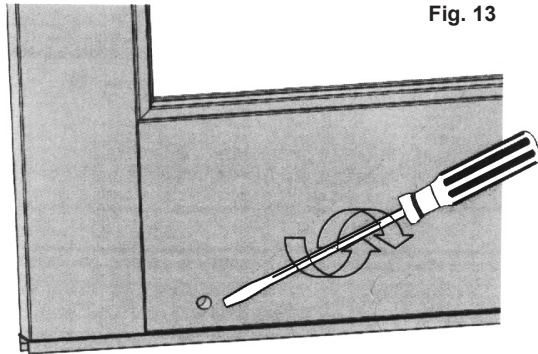


Fig. 13

From interior side of system, attach the aluminum follower to the bolts located at the back edge of the last panel and tighten bolts with a ½" wrench. Attach the pocket closure to the aluminum follower using the screws supplied (located in the "Follower/Pocket Closure" screw package).

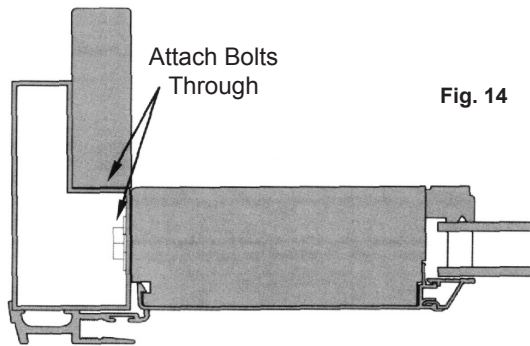


Fig. 14