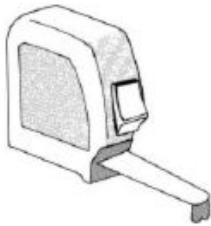




## SLIDING PATIO DOOR INSTALLATION INSTRUCTIONS

The purpose of this guide is to offer recommendations regarding the installation of vinyl patio doors. The manufacturer makes no representations or warranties, expressed or implied (including the implied warranties of merchantability and fitness), with regard to these installation guidelines and the recommendations set forth herein. These guidelines do not supersede any local, state or federal codes or regulations. It is the responsibility of the general contractor or their agent to ensure that all such codes and regulations are being adhered to in the installation process. This door has been engineered and manufactured to provide superior weather protection and service in accordance with its performance rating. The manufacturer disclaims any responsibility for air or water leakage above, under or around the door(s) unit.

### Basic tools needed



Tape Measure



Flat head Screwdriver



Utility Knife



Level



Clear Sealant –  
High Grade



Putty Knife



Phillips Screwdriver



Caulk Gun

Power Screw driver



*(Additional tools may be required)*

## 1 ROUGH OPENING PREPARATION

- A. **Make sure the rough opening is plum, square, level and ½” larger than the door.**
  - The bottom of the rough opening must be level and does not slope toward the interior. Make adjustments as needed.
  - Measure the width at the top, center, and bottom. Measure the height at each end and at the center.
- B. **Cut the Weather Resistant Barrier.**
  - If the building has a weather resistant barrier (house wrap), prepare the opening per the manufacturers instructions. Cut the house wrap as shown in fig. 1A. Fold the sides and bottom flaps into the opening and

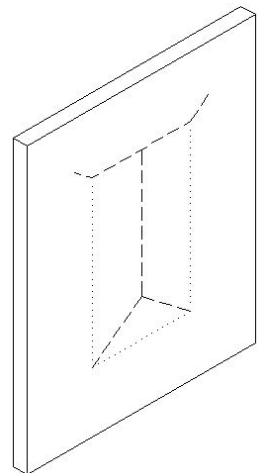


Figure 1A

staple to the inside wall. Fold the top flange up and temporarily fasten it with flashing tape. Cut a piece of flashing tape 12" longer than the width of the opening. Apply to the bottom of the sill. The flashing tape should overhang to the exterior at least 1" and extend up at least 6" on each side. Cut tabs in each corner. Apply a second piece the same length and overlap the first piece by 1", with the remainder extending to the inside. Trim the excess at the interior edge. (fig. 1B)

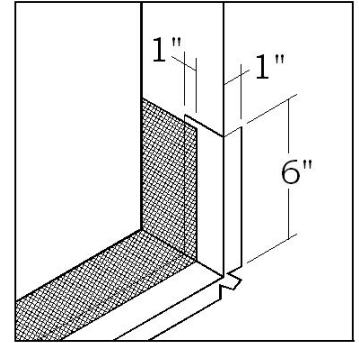


Figure 1B

## 2 SETTING AND FASTENING THE DOOR TO THE ROUGH OPENING

TWO OR MORE PEOPLE WILL BE REQUIRED FOR THE ENTIRE INSTALLATION.

### A. Remove Covers

- Remove the head, sill & jamb covers from the door frame and set them aside for later use. These are used to cover the installation holes.

### B. Apply Sealant to Rough Opening.

- Before setting the door in place, apply two 3/8" continuous beads of high grade exterior sealant to the bottom of the rough opening/sill pan 1" from the exterior. Do this same process on the rough opening sides 12" up from each bottom corner.

### C. Inserting the frame into the opening.

- Tilt the frame into place and center it into the opening to allow for shimming on both sides. Temporarily fasten the door frame at each top corner with #8 x 2" or longer corrosive resistant pan head screw.

### D. Plumb and Square

- Check the frame and be sure that it is plumb, level, square and true in the opening. Adjust if necessary using shims and apply them behind the installation holes. The measurement across the top, middle and bottom should be the same. The measurement of the diagonals should also be equal.

### E. Fasten the frame to the opening

- Apply an abundant amount of high grade sealant to each installation hole. Proceed installing the remaining screws into the pre-drilled installation holes. Use #8 x 2" corrosive resistant pan head screws or longer. Installation screws should be screwed firmly through the shims and into the framing material.

### F. Plugging Installation Holes

- Insert the plastic plugs over the exposed screw holes on the sill only. Apply a small amount of high grade sealant on the bottom of the plastic plugs before inserting.

### G. Flashing the unit

- Proper flashing and/or sealing are necessary as a secondary barrier to prevent water infiltration. The use of a sill pan is strongly recommended. Flashing and/or an appropriate method of sealing must be installed as a part of an overall weather resistive barrier system. It is not the responsibility of the door manufacturer to design or recommend a flashing system appropriate to each job condition.

## 3 INSTALLING THE FIXED AND OPERATING PANEL

### A. Fixed Panel Installation

- Make sure the anti-lift clips are installed in the fixed side of the jamb before proceeding. Remove the top anti-lift
- Remove the interlock from the fixed panel. Using a putty knife, place it between the interlock and the stile and pry it away from the stile. Remove the interlock using a rubber mallet by tapping the edge of the interlock. (fig. 3A)
- Slide the three 4" fixed panel risers in the correct position by sliding the first one 3" from the edge of the side jamb and the second will be placed in the center point of the fixed panel. The third will be shifted over 6" from the center riser. (Located at

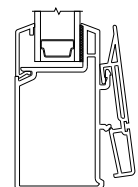


Figure 3A

the bottom of the frame)

- Tilt the fixed panel into the top of the frame and let it sit onto the first riser. Push the panel against the side jamb. Install anti-lift clip and slide it above the fixed panel. Secure the fixed panel to the frame jamb with (3) #8 x 1" phillips flat head screws as shown in fig. 3B. Install one in the center and the other two 6" from the top and bottom jambs.
- Install the interlock by positioning it over the hook as shown in fig. 3A. Tap the edge of it to engage the hook using a rubber mallet. Start at the top and work your way down the panel. After this has been completed, begin tapping on the flat edge until it snaps flush. Work your way back up the panel.

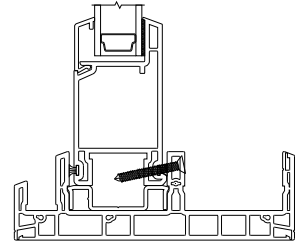


Figure 3B

## B. Operating Panel Installation

- Facing the frame from the interior, hold the operating panel so that the interlock is facing the frame. Install the operating panel from the center of unit by tilting it into the top of the jamb first and sliding it over the sill. A putty knife may be required to slip the wheels over the threshold.

## C. Adjusting the Rollers

- Adjust the rollers located at each bottom corner of the operating panel. Rotate the adjustment screws clockwise to raise the panel and counterclockwise to lower the panel. The panel should slide freely and parallel to the side jamb.

**Note: Rollers must be aligned on the track before making adjustments.**

## D. Installing the Up-Stand (Impact Units Only)

- Apply a 1/8" bead of clear sealant to the length of the sill. Peel the adhesive tape of the sill up stand and apply it flush to the bottom and side jamb. Fasten the up-stand using (2) #8 x 1" self tapping screws at each end. (1/4" from the edge of the jamb) (See fig. 3C)

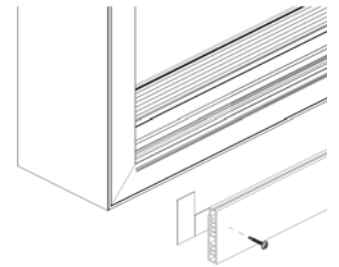


Figure 3C

## E. Installing the Keeper

- Open the panel a few inches and rotate the latch to the locked position. With a pencil, mark the location on the jamb directly across from the top of the latch. Open the panel and place the keeper onto the jamb and align it 1/4" below the top of the slot with the pencil mark. Install one screw into the slotted hole and fasten it to the frame. Insert a shim between the door frame and the rough opening at the keeper location. Close and lock the operating panel to ensure a proper placement of the keeper. If the lock does not catch the keeper, move the keeper up or down. After the panel has been corrected, finish fastening the keeper to the rough opening.
- Install all filler covers that were removed in step 2A. First install the top and bottom then finish with the side.
- Install all remaining button plugs to the side and head jambs. Apply a small amount of clear sealant on the bottom of the plastic plugs before inserting.
- Install the screen if applicable by inserting the top of the screen into the screen pocket located at the top of the exterior side of the unit. Compress the bottom rollers just enough to allow the bottom of the screen to be inserted onto the bottom screen track. Adjust the screen rollers by turning the adjustment screw located at the top and bottom of the screen. The screen should operate smoothly and should be parallel to the side jamb. Install the keeper.