



# Multi-Slide Patio Door

Assembly & Installation  
Instructions



# Multi-Slide Patio Door

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 supersede 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 Multi-Slide Patio Door is installed in area with a minimum of an 8' overhang to prevent water or air infiltration.**



# Multi-Slide Patio Door

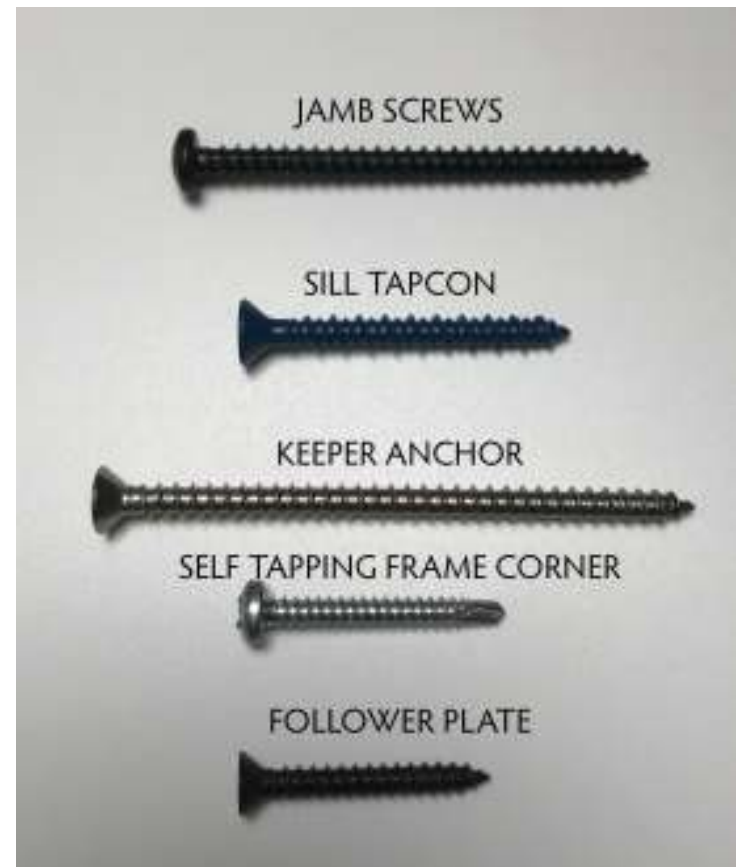
## Installation Items/Tools Required:

- Safety glasses
- Hearing protection
- Sill pan
- Sealant & Caulk gun
- Shims
- Flashing tape
- Backer rod
- Flat head screwdriver
- Phillips head screwdriver
- Power drill with square drive bits
- Hammer
- Tape measure
- Putty knife
- 1/2" socket wrench
- Level
- Square

# Multi-Slide Patio Door



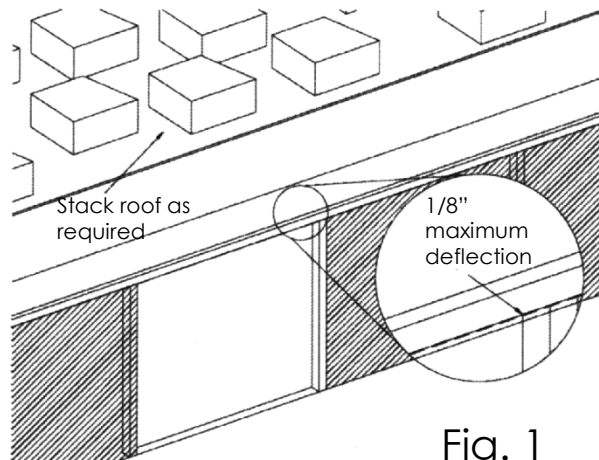
Fastener schedule:



**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)



**Fig. 1**

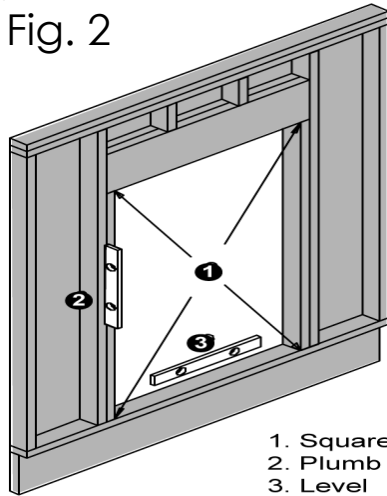
**Clearance:** Lincoln Wood Products Inc. published rough openings allow for a 1/4" of clearance on both sides and 1/2" clearance at the top. Doors must be set on level sills. If sills are not level the use of rot proof shims to level sills are recommended. Sills that sag or hump up will affect the operation and performance of your Lincoln doors. The frame system may be shimmed to compensate for an uneven floor but will adjust to 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 systems to be installed must be corrected prior to installation.

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

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

**Measuring for square:** Take measurements from the bottom left corner to the top right corner and bottom right corner to the top left corner and compare. If the measurements are equal, 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).

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 the R.O. is not plumb, It is the installer's responsibility to remedy this problem prior to installation (Fig. 2).

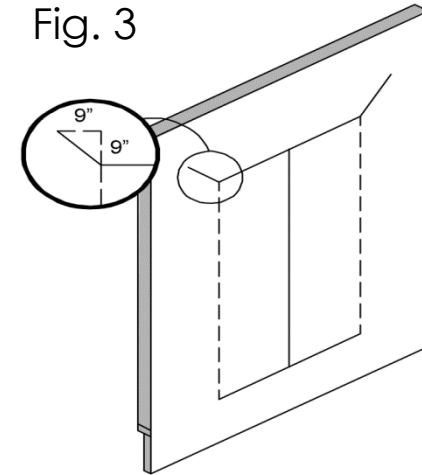
**Checking level:** Place a level on the sill of the R.O. making sure the horizontal measurement on the sill is level. If the opening is not level, the use of rot proof shims may be used to level the sill. Be sure to support the entire sill to prevent the sill from sagging (Fig. 2).

## 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 R.O. 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)

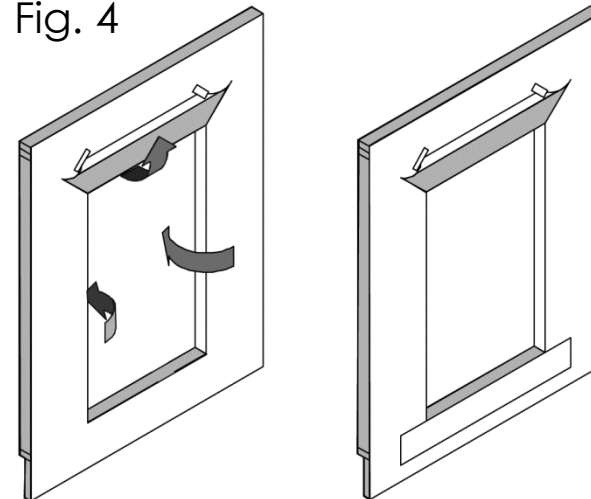
Using a utility knife, cut the lines in the weather resistant barrier starting with the head and working your way down to create the 'I-Cut'. Fold the side flaps over and into the interior side of the rough opening using staples every 12" to 16" fasten the flaps to the interior and trim excess (Fig.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

Fig. 3



Per ASTM standards Lincoln Wood Products Inc. recommends a minimum of 9" wide flexible flashing. For that reason measure 9" up an 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 resistant barrier diagonally from the top corners of the R.O. to the to mark made previously (Fig. 3). Fold weather resistant barrier up and tape or tack temporarily out of the way (Fig. 4)

Fig. 4



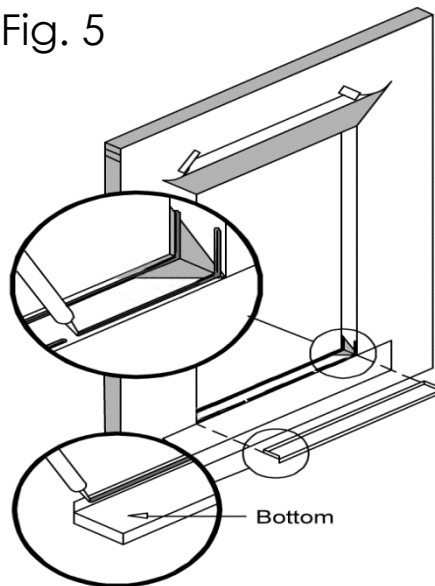
**Flashing:** Flashing can be flexible or adhesive back flexible. All flashing must be at least 9" wide & meet ASTM D-779; water resistance of at least 24+ hours.

Cut sill flashing length 9" beyond each side of the R.O. (R.O. + 18"). Apply sill flashing level with the top edge of the 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 12" to 16" apart.

## Sill pan flashing installation

Fig. 5



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 the back of the up turned leg must be sealed in a water tight 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 (Fig. 5).



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 (Fig. 6).

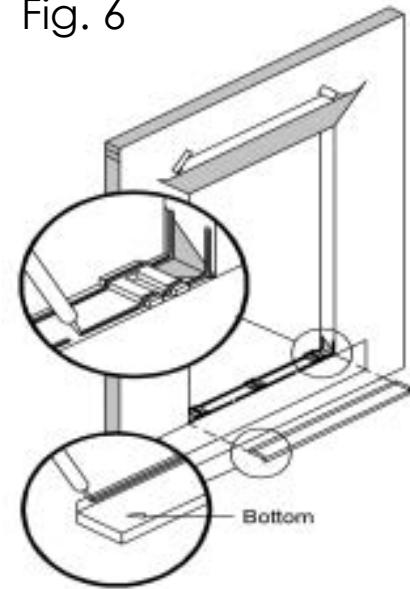
When using rigid flashing or non-adhesive flashing, apply two continuous beads of sealant to the rough sill. One on the interior edge and the second on the exterior edge. Both are to continue 6" up the R.O. on each side jamb (Fig. 6).

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.

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

Place sill pan into position compressing it down into sealant and over any flexible flashing materials. Check sill pan for level before final installation.

Fig. 6



## Frame Assembly

Lay frame head, sill and side jamb(s) and/or post interlock(s) (post interlocks used for pocketing systems only) on a flat surface with the exterior side down (Photo 1).

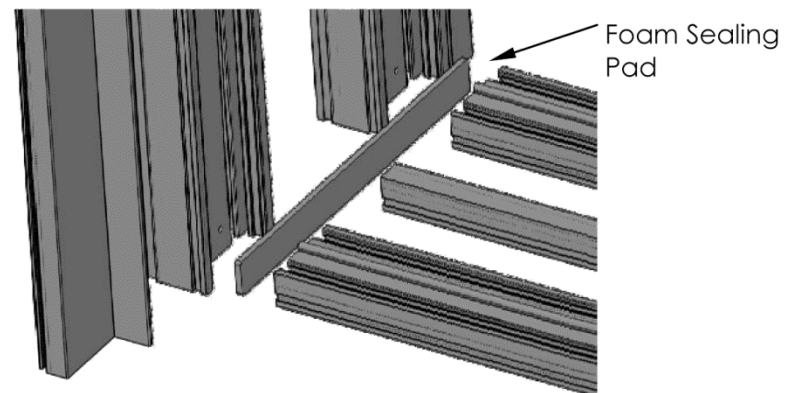
### IMPORTANT NOTE:

Prepare clean flat surface for frame assembly. Place frame head, sill and side jambs with exterior side up.



Photo 1

Apply foam sealing pads and caulking to the top and bottom of the jamb legs (Fig. 7). 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 "Frame 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. Use a locator tool aligning the frame parts and attach left side jamb to sill using screws supplied in the "Frame Assembly" screw package (Photo 2). Repeat step to attach right side jamb or post interlock.

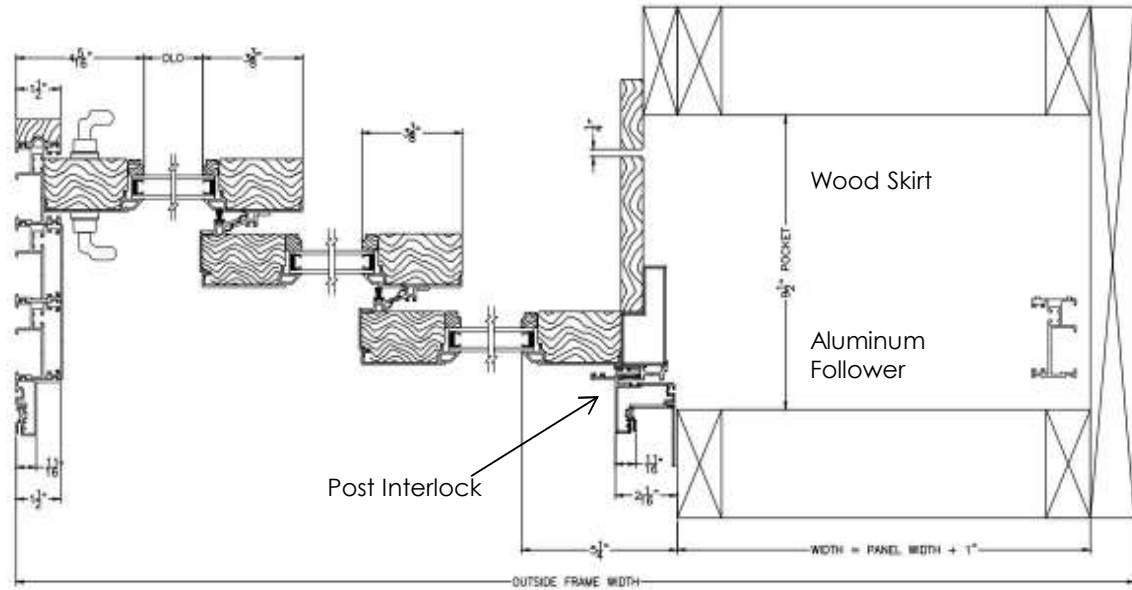


Photo 2

## Pocket Doors – Post Interlock

### IMPORTANT NOTES:

- 1) The pocket cavity should not be fully sheathed until the frame is properly installed.
- 2) Dark painted pocket cavity is recommended.
- 3) Do NOT crush post interlock while fastening it to sill.
- 4) Verify pocket depth per order-illustration shown for demonstration only.



Typical Pocket Illustration-will vary by panel thickness, panel quantity and panel size.

## Pocket Doors – Post Interlock

Measure and locate post interlock placement by measuring from the sill and head and mark location with blue painters tape. (Photo 3)

Photo 3

Fasten post interlock to sill and head jamb using self tapping screws located in the installation screw package. (Photo 4).



Photo 4

Fasten to Post Interlock to head jamb using frame screws supplied in the hardware fastener package (Photo 5).



Photo 5

## Frame Installation

Prior to installing the frame into 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 track will sit (Fig. 8).

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

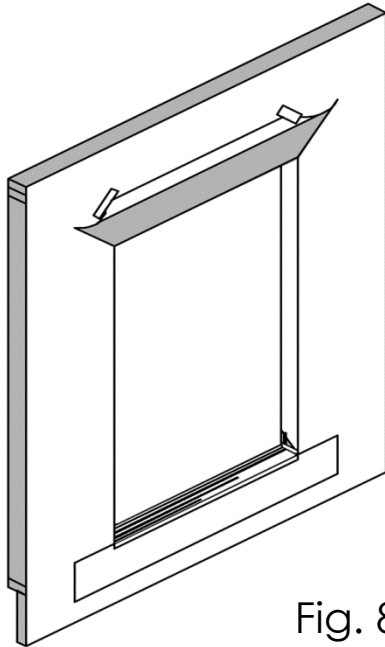


Fig. 8

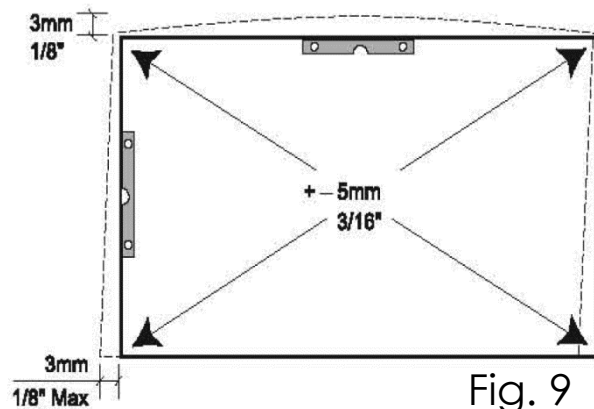


Fig. 9

Using a straightedge 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 straightedge and/or level verify that the top track/head is level and flat (Fig. 9). Use shims as needed to level and flatten the head. Attach the head through the predrilled holes.

Using a straightedge and/or level, verify that the side jambs are level and flat. Use shims as needed to level and flatten the jambs. Attach the side jambs through the factory predrilled holes using 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 the frame is square to  $1/8$ " horizontally and vertically.

## Panel Installation

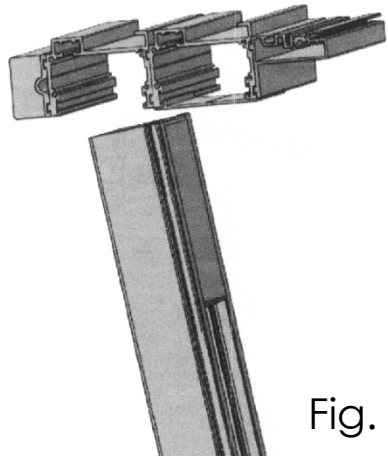
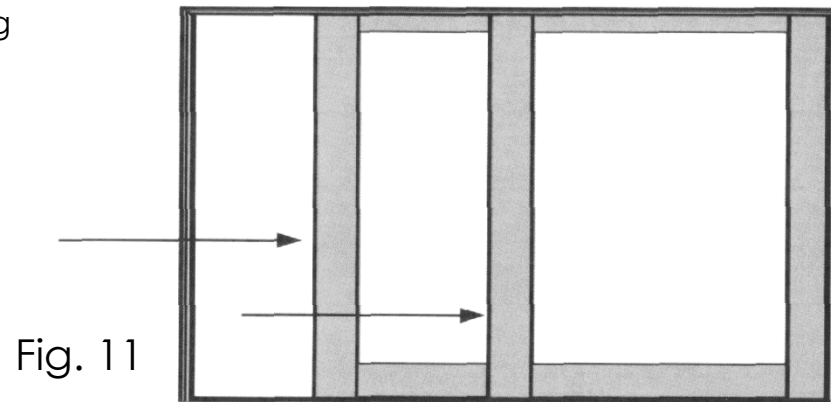


Fig. 10

Beginning with panel labeled #1 (inner most panel), hold the panel at an angle toward the head track and swing the bottom of the panel outward until it is parallel with the top and sits with the wheels on the corresponding sill track (Fig. 10).

Slide panel #1 fully into the pocket (for pocketing systems). Repeat step for all remaining panels in sequential order (Fig. 11).

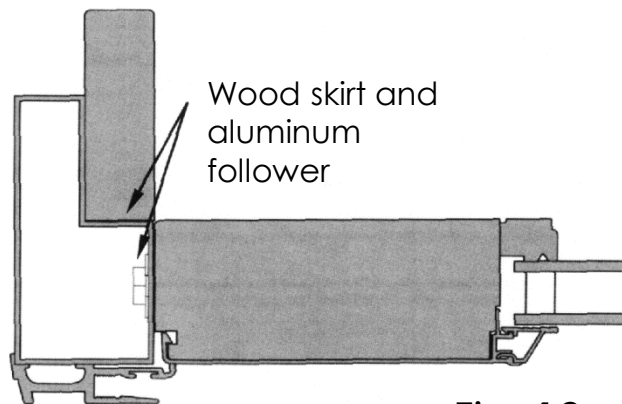


### **Follower/Pocket Closure Installation**

From the interior side of system, attach the aluminum follower to the pre-located bolts located at the back edge of the last panel and tighten bolts with a ½" wrench (Photo 3).







Wood skirt and  
aluminum  
follower

Attach pocket closure wood skirt board to the aluminum follower using the screws supplied in the "Follower/Pocket Closure" screw package (Fig. 12).

Fig. 12

### **Jamb Cover Installation**

Install color-matched track covers to the exterior head and side jambs and interior jamb tracks.

### **Trim Hardware**

Install dealer supplied handle set and keeper for locking and securing door.



Fig. 13

Inspect roller through panel hole and observe if the adjustment screw is showing a standard or Phillips head. (Fig 13).

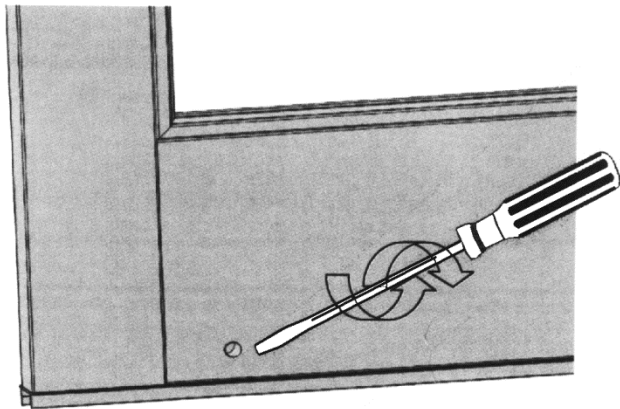


Fig. 14

Use appropriate screw driver to adjust rollers for optimum operation. Clockwise raises the panel and Counterclockwise lowers the panel. Inspect for an even match at the panel interlocks and functioning hardware. Taking weight off the panel will make adjustments of raising the door easier(Fig. 14).