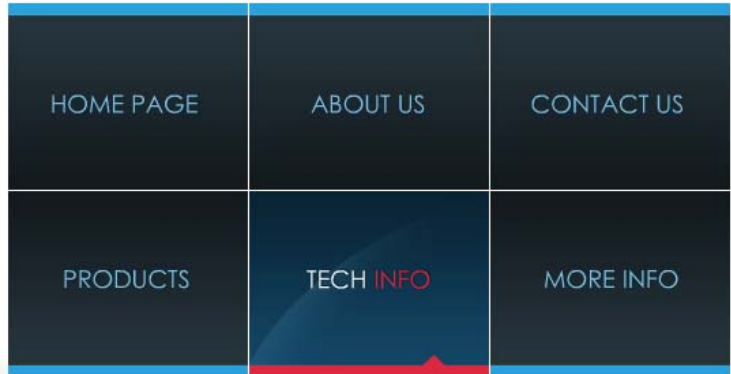




Products Built to Run the Distance



Door Installation Instructions Air Guard Installation Instructions

Install Instructions for Pre Hung Doors

Standard on models #1, #2800, #3800, #5800

This door is provided "pre-hung" meaning the doors' frame, or as we refer to as z-bar, is sent attached to the door.

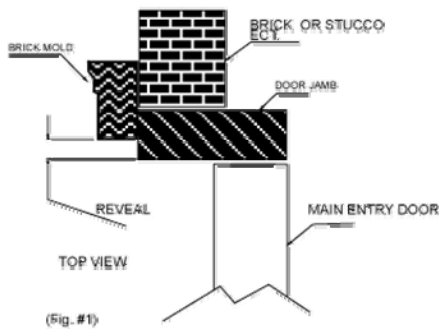
Standard Opening Sizes

	32" X 80 "	36" x 80"
Width Allowance	31 3/4" to 32 1/4"	35 3/4" to 36 1/4"
Height Allowance	79 1/2" to 80 1/2"	79 1/2" to 80 1/2"

Tools Required

3/8" Electric Drill	Hacksaw	1/8" Drill Bit
Phillips Screwdriver	Tape Measure	Wood Chisel
Standard Screwdriver	5/16" Hex Driver	Pencil

Preparation of Opening

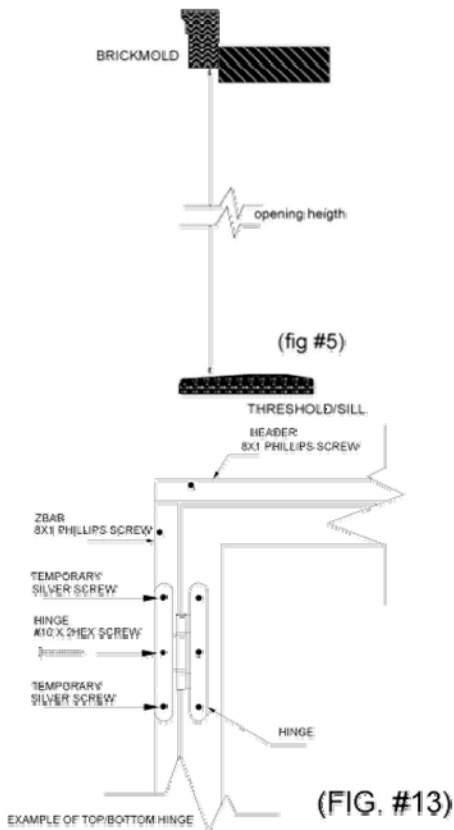


Standard door openings are trimmed with a wood referred to as "brick mold." This trim is used to cover the gap between the door casing, brick, siding, etc. (see Fig.1). If you do not have brick mold, it may be necessary to obtain the size needed to accommodate the width and height of your security/storm door. By using brick mold, the width and height can be adjusted by decreasing or increasing the reveal (see Fig.1).

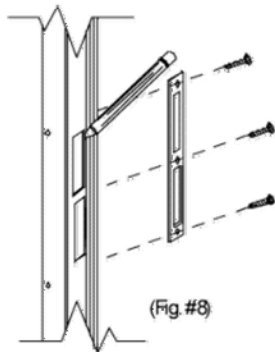
If you already have brick mold and your opening is within 1/2" of standard size either cut, shim or remove and readjust brick mold to obtain standard range of dimensions (see standard opening sizes).

If shimming is necessary we suggest doing so at the latch side and cutting at the hinge side. If the reveal at the latch side is made deeper than 1/2" the dead bolt portion of the lock will be too close to the main door jamb. This will make turning the dead bolt difficult from the inside.

Check the brick mold to make sure it's secured properly to the jamb. It is quite common for builders to use staples, which is not suitable for the weight added by a security door. Just to be safe we suggest re-nailing, although avoid placing nails near the lock area.



(Fig. #14)



Step 1: Measure The Opening Height

Measure the opening height (see Fig. 5). Remove all packaging materials and lay door on its side or on a flat surface. Pencil mark the bottom ends of both z-bars an 1/8" shorter than opening size. Use hacksaw to cut z-bars accordingly.

Step 2: Install Door / Hinge Side

Place door into opening pushing tightly against hinge side (have helper ready with drill and screws). Install 2-#8x1 Phillips screws into pre-drilled holes located at the top and bottom of hinge side z-bar. Now pre-drill the hinge holes and insert #10x2 Hex screws accordingly (Top hinge= 1 center: Middle hinge= 2 top and bottom: Bottom hinge= 1 center). Remove and discard all 5 silver pre-hang screws and replace with #10x2 Hex screws (see Fig 13).

Step 3: Install Door / Latch Side Temporarily

Install 1-#8x1 Phillips screw into pre-drilled hole located at the center of latch side z-bar. Now remove and discard all 3 silver pre-hang screws and clips.

Step 4: Plastic Lock Spacer For All Models Featuring Self Storing Glass

The plastic lock spacer is needed to project the inside lockset handle to avoid interference with self storing unit. These steps will be done in conjunction with installing the lockset. Place plastic spacer between inside faceplate and door. Using the longest lockset screws secure in place and conceal with faceplate (see Fig 14).

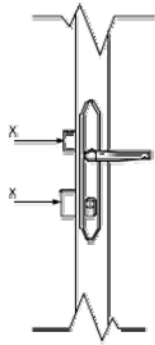
Step 5: Install Lockset

(standard 2 way lockset)

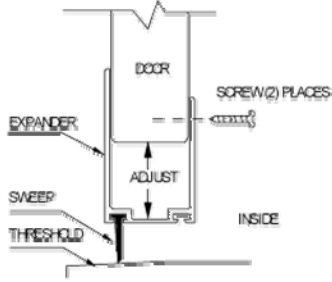
[Click here for lockset manufactures installation instructions \(PDF\).](#)

Step 6: Mark For Lockset Deadbolt

After installing lockset, open the door and pencil trace the pre-punched latch side holes for the lockset (see Fig.8).



(Fig #9)



(Fig #10)

Step 7: Chisel Latch Side Jamb for Lockset Deadbolt

Remove the latch side z-bar and measure the extended deadbolt for depth to avoid cutting the brick mold deeper than necessary (see Fig. 9). Undercutting could result in lock failure. Measure the depth of the latch as well, this may or may not require chiseling depending on your jamb. Now carefully chisel the wood to allow the deadbolt and/or latch to pass through the z-bar and into the brick mold. Make sure there is no interference between the locking mechanism and wood.

Step 8: Re-Install Latch Side Z-bar

Re-install latch side z-bar by inserting 4-#8x1 Phillips screws into the pre-drilled hole locations (see Fig ?). Leave 1/8" to 3/16" margin between the latch side z-bar and the door. If there is a gap between the latch side z-bar and opening, it will be necessary to fill with wood shim materials.

Step 9: Install Rubber Sweep

Slide rubber sweep through slotted track in expander. Cut off excess rubber leaving approximately 1/4" overlap at both ends. Note: there are 2 slots on the expander. Choose the track in which you will get the smoothest contact at the threshold (see Fig.10).

Step 10: Install Expander

Open door and slide expander over door bottom. Short side of expander to fit towards the inside of the door. Adjust up or down until the rubber sweep makes contact with the threshold. Drill 2 holes through the expander and into the inside lower door rail. Insert 2-#8x1" Phillipsscrews (see Fig. 10).

Step 11: Install Closer and Wind Chain

(standard air pneumatic closer)

[Click here for manufactures closer installation instructions \(pdf\).](#)

[Click here for manufactures wind chain installation instructions \(pdf\).](#)

