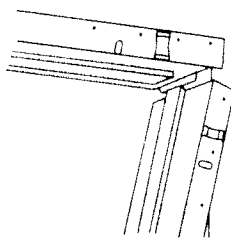


1. Check opening for proper swing, then sleeve header over the wall.

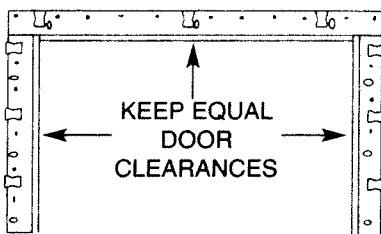


2. Hold jambs at an angle and sleeve the upper portions over the wall. Push upward to engage the jamb tops into the space between the aligning tabs and door stop of the header then sleeve the rest of the jambs completely over the wall. Rotate jambs if wall fit is snug.

3. Pull down on header to bring entire frame down to the finished floor. If carpeting is used, the base on which it is to be laid shall be considered the finished floor. For other floor coverings (Hardwood flooring, tile, etc.), the frame may be raised to rest on blocking of the same thickness as the flooring to be used.

After frame is attached, the blocking can be removed to allow the floor covering to be slipped underneath.

DO NOT FASTEN FRAME YET!



4. Hang prefit door and close into opening. Use door to square opening and adjust frame sections to door to achieve equal clearances between door and frame.

Installation without the use of the door and hardware (i.e. hinges and lockset) will void the warranty.

FASTENING PROCEDURE

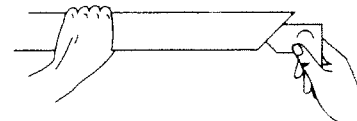
5. Fasten hinge side first with fasteners (dry wall screws, etc.) at all hinge locations and follow with a fastener at all clip points on the hinge jamb. Then proceed to fasten header, starting at the hinge side and across to strike side (be sure to bring header down into firm contact with jamb tops). When fastening strike jamb continue to check for uniform clearance.

WHEN FASTENING FRAME ON BACKSIDE BE SURE THAT JAMBS ARE NOT COCKED OR OUT OF LINE.

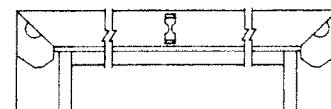
FIRE RATED FRAMES REQUIRE ONE FASTENER AT EACH CLIP (+. 1/4").

ATTACH CASINGS

6. NOTE: WHEN ATTACHING CASINGS, HOOK OVER ONE CLIP ROLL AND SNAP OVER THE OTHER



Insert corner pieces into the curled end returns of header casing

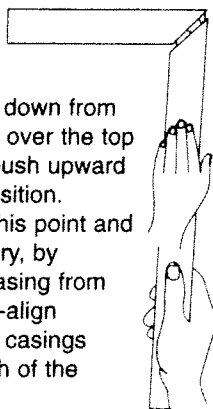


Line casing up equidistantly with header and snap over **one clip only** closest to center.

7. Hold casing sides at an angle and fit over the corner

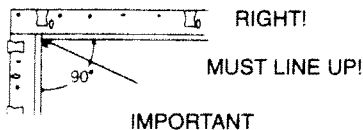
pieces extending down from the header. Snap over the top clips **ONLY** and push upward into tight miter position. Check miters at this point and adjust, if necessary, by tapping header casing from side to side, to re-align miters; then snap casings over the full length of the jambs.

Should miters need further adjustment, insert a screwdriver or stiff blade under casing bottoms and force upwards.



SOME TIMELY TIPS FOR GOOD INSTALLATIONS

8. For good casing miters, header ends **MUST** line up evenly with jamb edges.



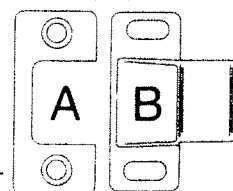
IMPORTANT
 MAINTAIN 90° ANGLE. DO NOT ALLOW GAP TO SHOW WHERE HEADER MEETS UPRIGHT.

Oval punch outs serve two functions:

- I. Allows visual check of clearance between the frame sections and wall.
- II. Permits leverage to move frame sections, with a screwdriver, or awl, if wall is snug

Always install the door and frame together

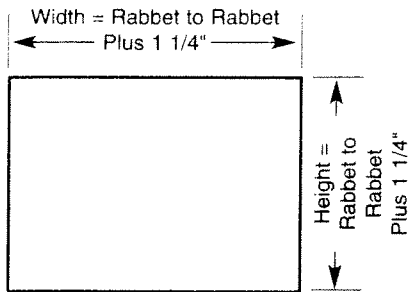
When installing adjustable strike, fit plate "A" over "B" cup section and screw into pre-punched holes of strike emboss; close door into opening and push "B" section inward until door fits snugly; then open door and tighten screws firmly.



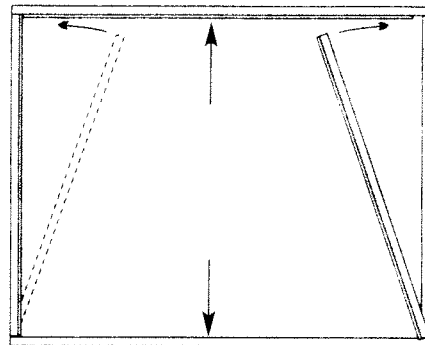
SILENCERS

Application temperature range: 50°F to 100°F. To obtain maximum adhesion, surfaces must be clean, dry, free of grease, wax, oil, dust and other foreign material which might affect adhesion. Clean surfaces with low strength solvents such as isopropyl alcohol or heptane.

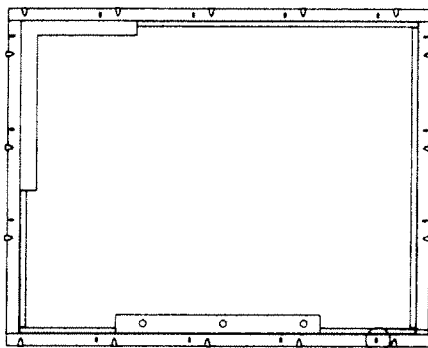
FRAMES USED FOR EXTERIOR EXPOSURES REQUIRE ADDITIONAL PAINTING FOR PROPER WEATHERPROOFING. FRAME, DOOR AND HARDWARE MUST BE INSTALLED AT THE SAME TIME.



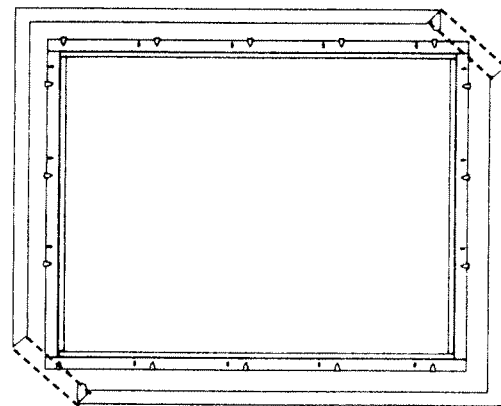
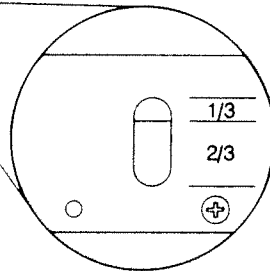
1. Check rough opening. Dimensions are Rabbet to Rabbet + 1 1/4".



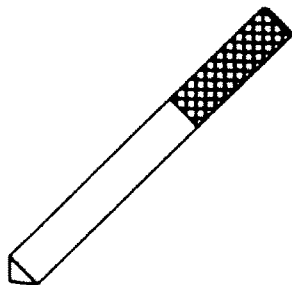
2. Sleeve bottom header over wall, then top header. Sleeve both jamba over wall and interlock jamba with tabs on top and bottom headers. If using mullions, see mullion instructions below.



3. Raise bottom header on one side until wall is seen in 2/3 of oval slot. Place fastener next to slot. Level bottom header and fasten at each clip. Using a square, align both side jamba to bottom header to form square corners. Fasten sides at each clip. Pull top header tight to jamba and fasten. Anchor both sides of the frame keeping all joints tight and corners at 90° angles.



4. Insert corner pieces to header casings and assemble upright casing as shown. Apply top header/left jamb casing assembly to frame by putting casing over outside of clips and then tapping it over the inside of the clip. Install the other assembly in the same way interlocking the two assemblies with the corner clips. Apply casing to the opposite side in the same manner. Align mitres for tight fit.



TA-41 Glass Stop Dimpler Tool -
 Used to meet 2" fire rating requirements.

MULLIONS

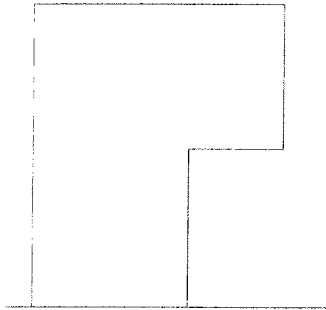
1. Before placing jamb pieces in opening, locate and apply mullion brackets as required. Sleeve jamba over walls, but do not fasten
2. Start at one end of the assembly and place mullions over brackets. If horizontal mullions are used, they must be placed on the jamb then on the vertical mullion as it is tipped into position.
3. When all mullions are in place the jamba should be brought tight to the mullion using a screwdriver in the oval slot.
4. When mullions are in place and joints are tight proceed with anchoring as shown on the instructions.

See page I-5 for additional information.

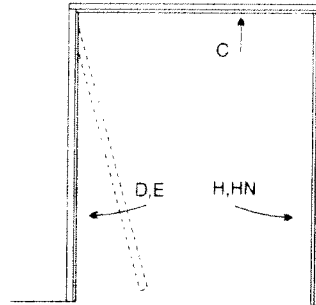
10241 NORRIS AVE. ♦ PACOIMA, CALIFORNIA 91331-2292 ♦ (818) 492-3500

Effective June 2003

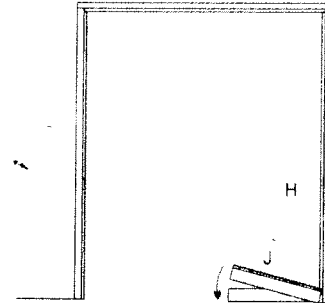
Installation without the use of the door and hardware (i.e. hinges and lockset) will void the warranty.



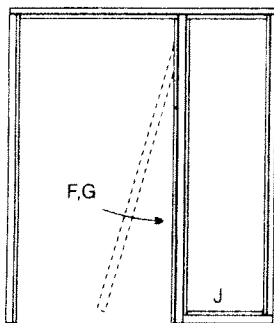
1. Check rough opening. Width is nominal door dim. + sidelite + 2" for each mullion + 1 1/4". Height is jamb height + 1". If using transom, height is jamb height + transom height + 2" for mullion + 1".



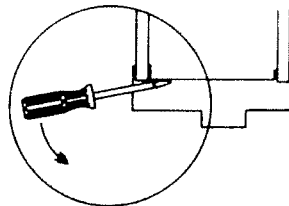
2. Sleeve header with mullion bracket applied, (c) over wall, then sleeve outside jamba (either D, E, H, or HN) over wall. All parts must have mullion brackets installed where required.



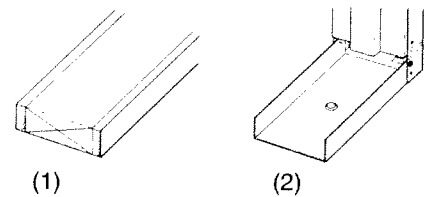
3. Install stud with drywall (1) or insert material to finished floor (2).



4. Slide mullion(s) over bracket at head swinging into place over sill (J). All intermediate mullions (if used) must be positioned before swinging last mullion into place (see "mullions" section below).



5. Level and center head, fasten hinge jamb, then hang door in opening. Position jamb(s) and/or mullion(s) to maintain equal clearances around door.* When parts are set, fasten jamb(s) to wall. Fasten mullion(s) to sill (J) using tek screw.



Slide sill (J) over floor stud or insert and interlock alignment tab with side jamb (H). Raise jamb as necessary to allow clearance for the tab.

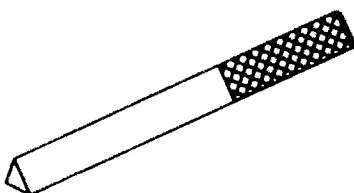
7. Place casing corners in header casing and install casing over **one clip near the center**. Slide casing corner(s) into sidelite upright casings at bottom and interlock sidelite casing with header casing on frame. Secure casing by hooking over the outside of the clip and tapping it on the inside of the clip.

***Warranty is voided if door is not installed with frame.**

6. Using a screwdriver in the oval alignment slot, move parts toward mullion to get all joints tight. Glass area should be square when all pieces are tight. Apply fasteners at each clip on both sides of frame.

8. Apply jamb casing in the same manner. Then apply all mullion casings and finally sidelite sill casings sliding the piece over the casing corner on the sidelite jamb casing.

9. Apply silencers to the strike side. Install hardware on door and install adjustable strike (if provided) to keep door tight to jamb when closed. Install other hardware using necessary reinforcements provided.



TA-41 Glass Stop Dimpler Tool -
 Used to meet 2" fire rating requirements.

MULLIONS

1. Before placing jamb pieces in opening locate and apply mullion brackets as required. Sleeve jamba over walls, but do not fasten.
2. Start at one end of the assembly and place mullions over brackets. If horizontal mullions are used they must be placed on the jamb then on the vertical mullion as it is tipped into position.
3. When all mullions are in place the jamba should be brought tight to the mullion using a screwdriver in the oval slot.
4. When mullions are in place and joints are tight proceed with anchoring as shown on the instructions.

See page I-7 for additional information.