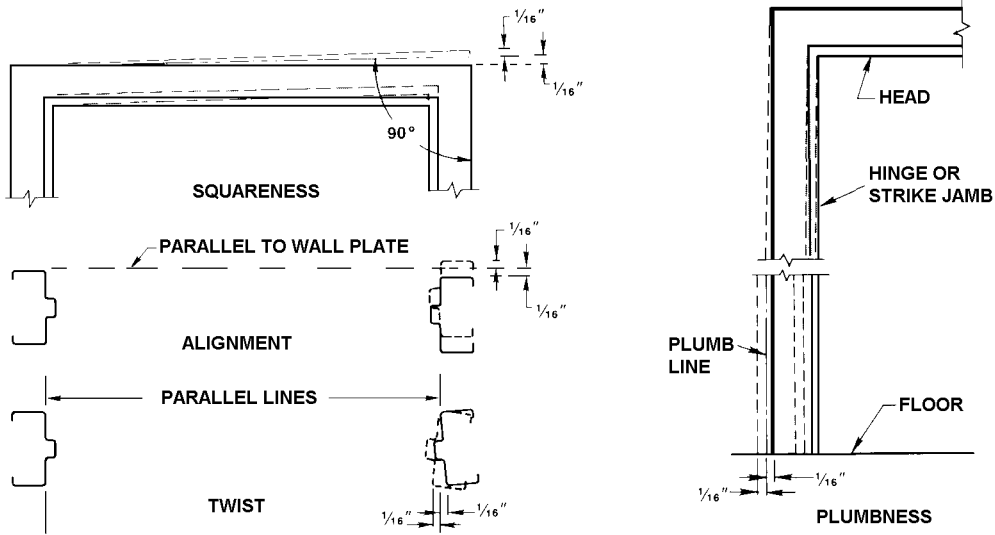


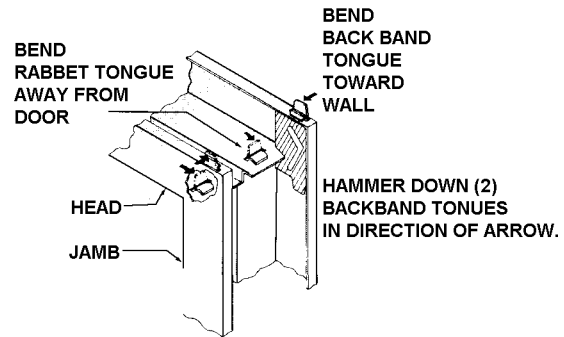
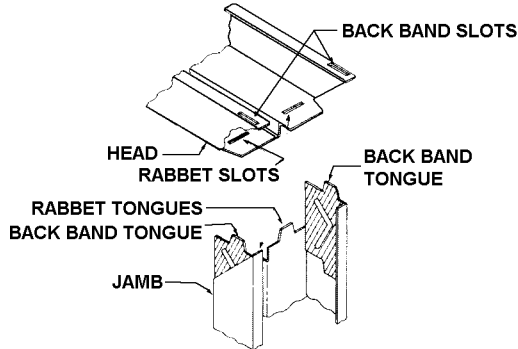
Installing Doors & Door Frames

Frame Installation Tolerances



Assembly of Series F and WF Knock-Down Corner Connection

Place the head so that the 4 tongues on jamb engage corresponding slots in head.

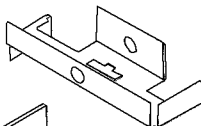


HAMMER DOWN (2) RABBET TONGUES IN DIRECTION OF ARROWS

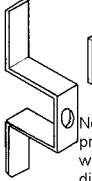
Installing Frames in Existing Masonry Construction

- 1** You will have been furnished an appropriate amount of one type of existing masonry wall anchors.

Combination Existing Masonry Wall Anchors Furnished Loose



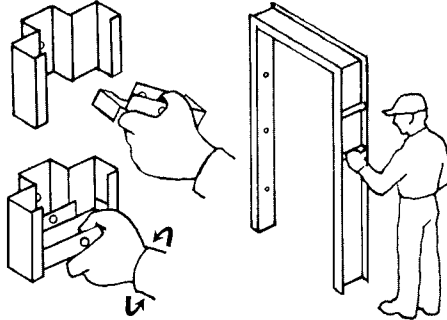
Expansion Bolt Hat welded to frame



Pipe & Strap Existing Masonry Anchor furnished loose

Note: 3/8" diameter hole is provided through frame stop with either a countersink or dimple to receive anchor bolt head.

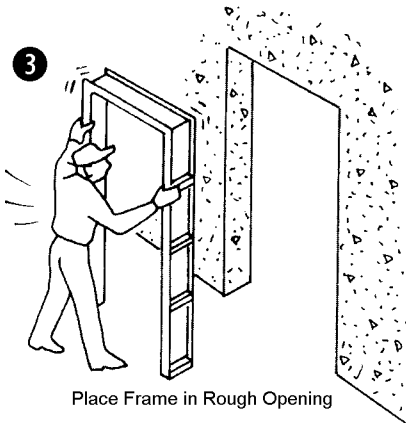
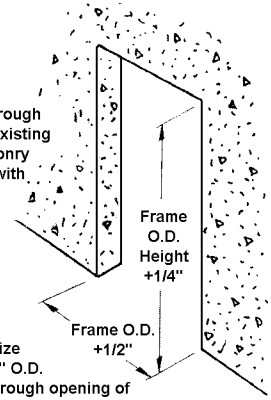
Loose anchors are installed by forcing the anchor between the inside of the rabbet and the return. Put anchor into place at an angle and twist until horizontal. Be sure holes through anchor are lined up with hole in frame stop.



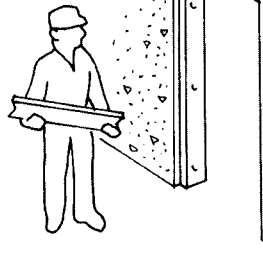
Recommended rough dimensions of existing opening in masonry wall and frame with 2" trim.

- 2**

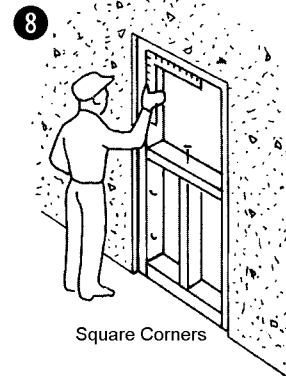
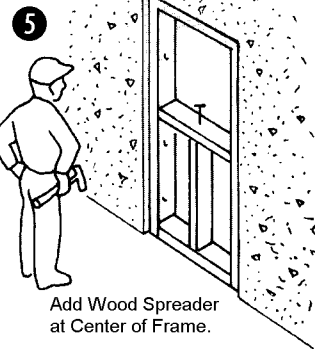
Example: 36" x 84" Door opening size equals 40" x 86" O.D. which equals a rough opening of 40-1/2" x 86-1/4".



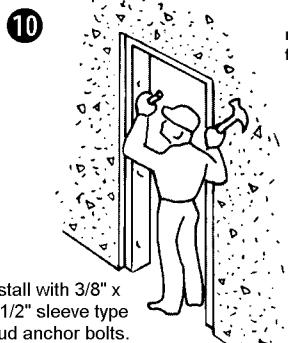
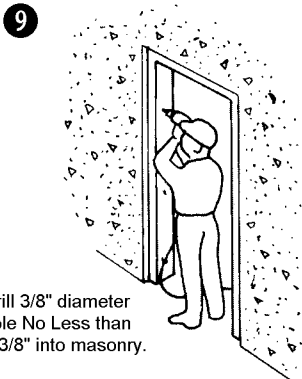
- 4** Place Wood Spreader at Sill



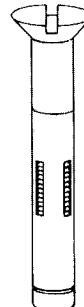
Note: Set-up and welded frame may have a spreader bar welded across the sill. Remove spreader bar and discard. Do not rely on spreader bar as an accurate jig. Factory welded frames have spreader bar attached beneath the frame - it will be necessary to remove before setting the frame.



CARE SHOULD BE TAKEN TO INSURE THAT THE FRAME IS ABSOLUTELY PLUMB AND SQUARE. AN IMPROPER FRAME INSTALLATION WILL EFFECT THE PERFORMANCE OF THE OPENING.



Anchor Bolts may be purchased from Garden State



- 11** To install frame with expansion shields and machine bolts, the location of the shield installation must be marked after Step #8 and the frame removed from the wall.

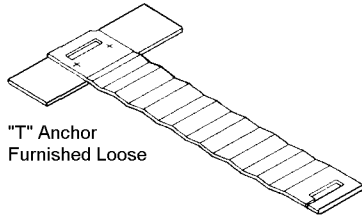
Drill the depth and diameter hole recommended by the shield manufacturer.

Install shield.

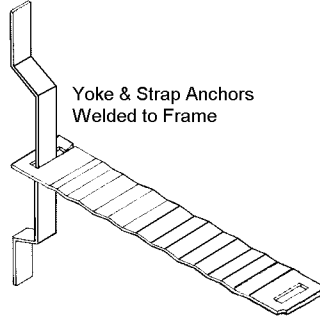
Reinstall frame and screw into place.

Installing Frames in New Masonry Construction

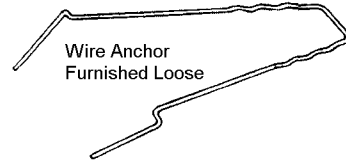
You will have been furnished an appropriate amount of one type of masonry wall anchors.



"T" Anchor
Furnished Loose

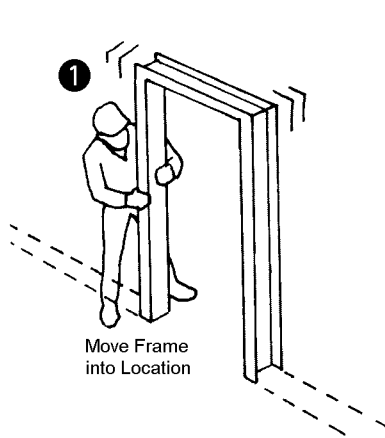


Yoke & Strap Anchors
Welded to Frame

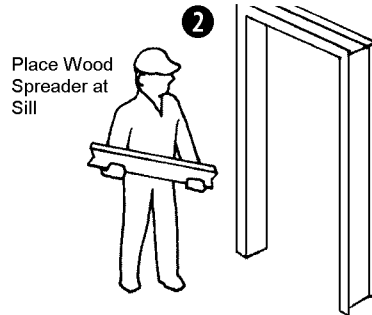


Wire Anchor
Furnished Loose

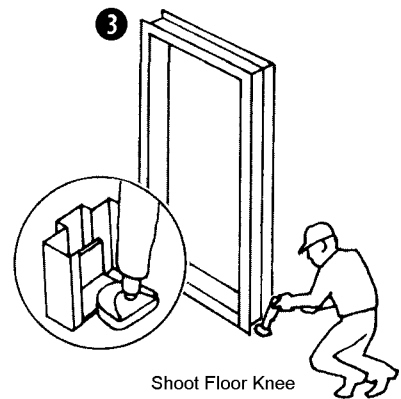
CARE SHOULD BE TAKEN TO INSURE THAT THE FRAME IS ABSOLUTELY PLUMB AND SQUARE.



1
Move Frame
into Location

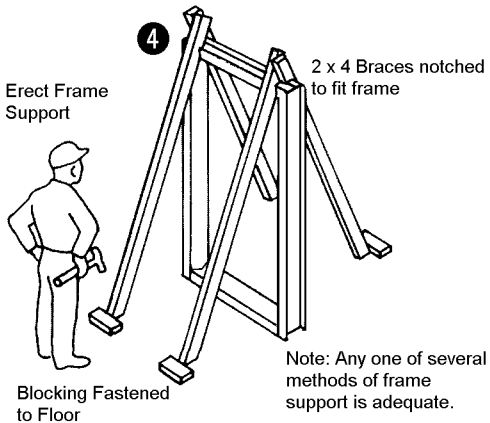


2
Place Wood
Spreader at
Sill



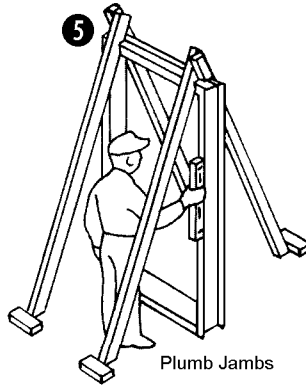
3
Shoot Floor Knee

Note: Set-up and welded frame may have a spreader bar welded across the sill. Remove spreader bar and discard. Do not rely on spreader bar as an accurate jig. Factory welded frames have spreader bar attached beneath the frame - it will be necessary to remove before setting the frame.

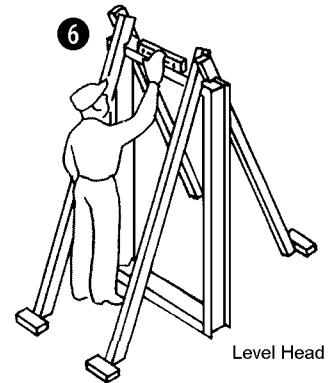


4
Erect Frame
Support

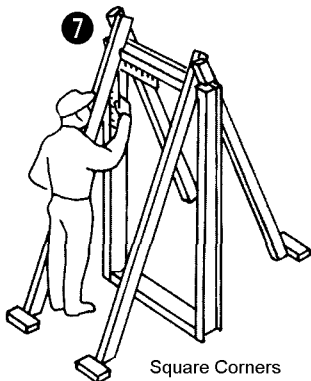
Note: Any one of several methods of frame support is adequate.



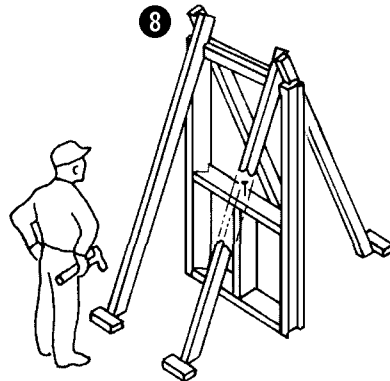
5
Plumb Jamb



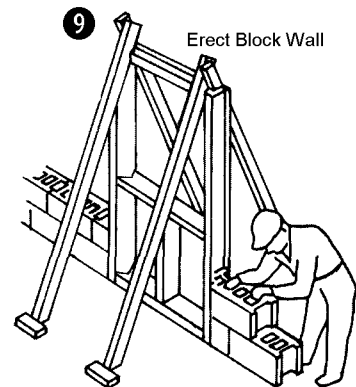
6
Level Head



7
Square Corners



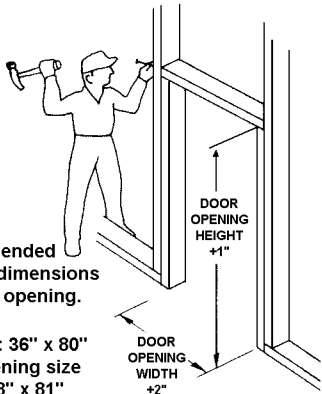
8
Add Wood Spreader at Center of Frame



9
Erect Block Wall

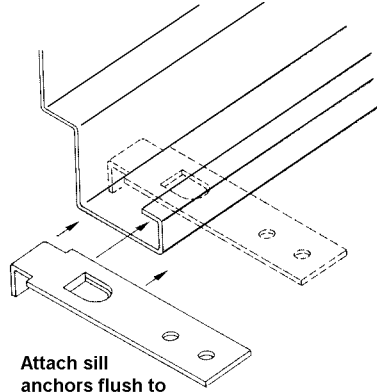
Installing Frames in Drywall Construction

1

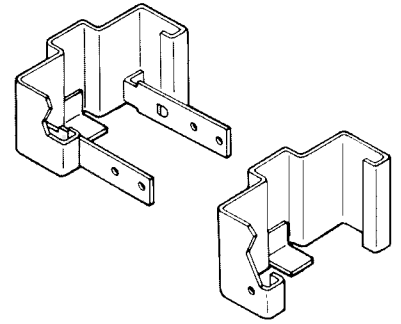


Recommended framing dimensions of rough opening.

Example: 36" x 80" door opening size equals 38" x 81" rough opening (for frame with 2" trim)

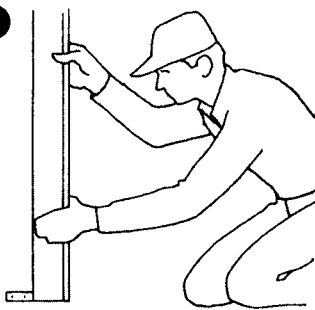


Attach sill anchors flush to the bottom of each jamb.



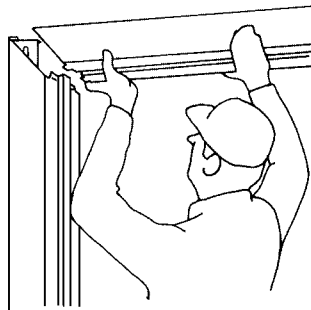
Note: Some frame designs are furnished with a screw hole at the base of each jamb, in lieu of the standard base anchor. Screws provided only when frame is factory prefinished.

2



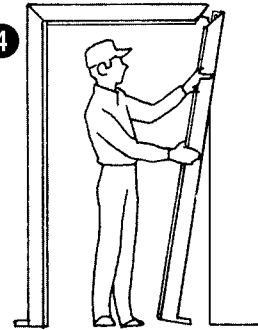
Slip hinge jamb over wall, into position

3



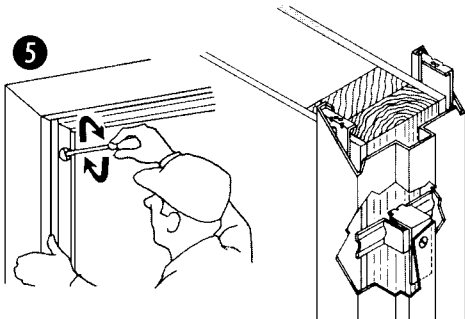
Slip head over wall - inserting tongues on head into slots at the top of the hinge jamb.

4



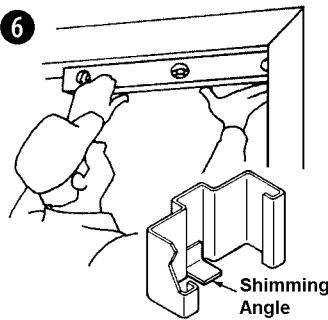
Slip strike jamb over wall. Insert tongues on head into slots at the top of the strike jamb.

5



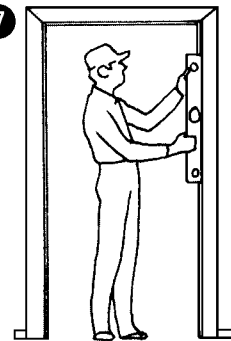
Adjust Grip-Lok® Anchor in both jambs by turning the anchor screw CLOCKWISE until anchors hit studs. Outward pressure against studs forces miter closed and wedges frame in opening. Tighten until frame is rigid and secure.

6



Level the head. A shimming angle is located at the base of each jamb in the event vertical shimming is necessary.

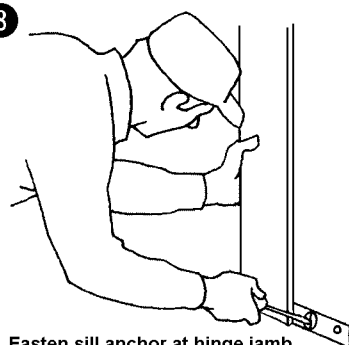
7



Plumb the jambs.

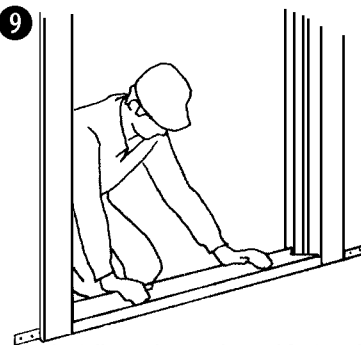
CARE SHOULD BE TAKEN TO INSURE THAT THE FRAME IS ABSOLUTELY PLUMB AND SQUARE.

8

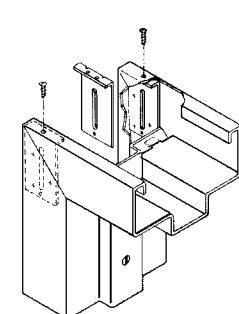


Fasten sill anchor at hinge jamb with nails or screws

9



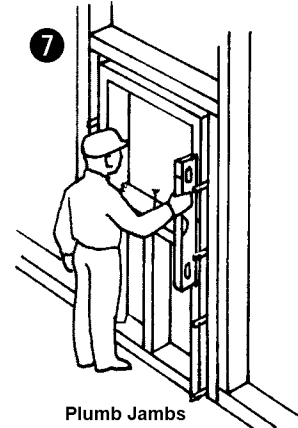
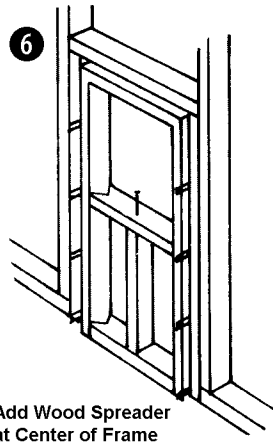
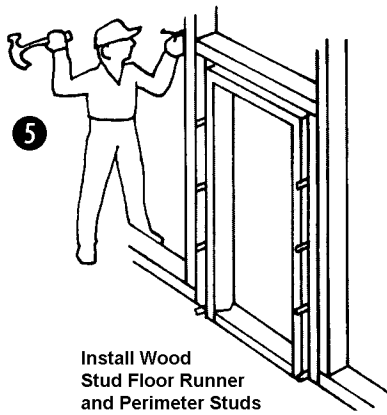
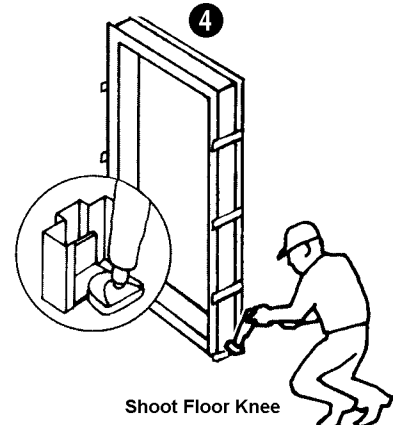
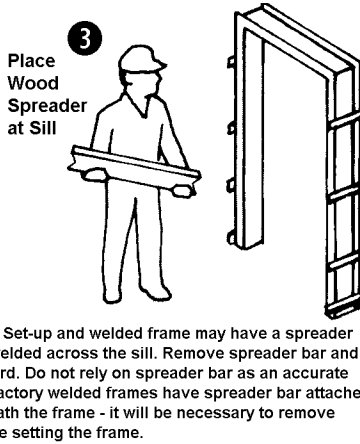
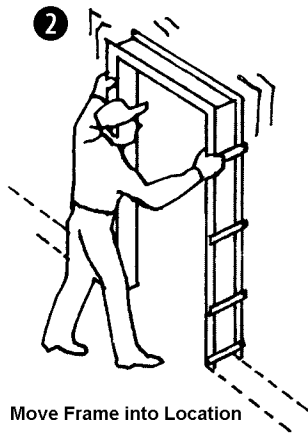
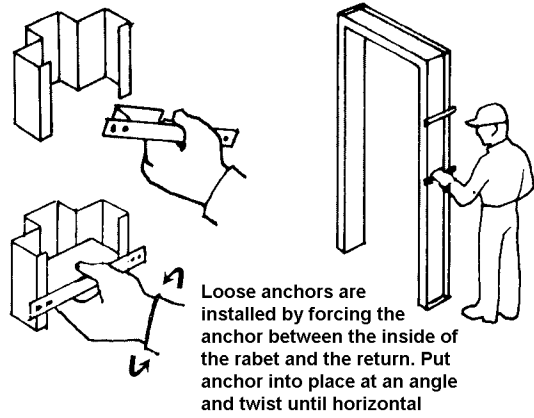
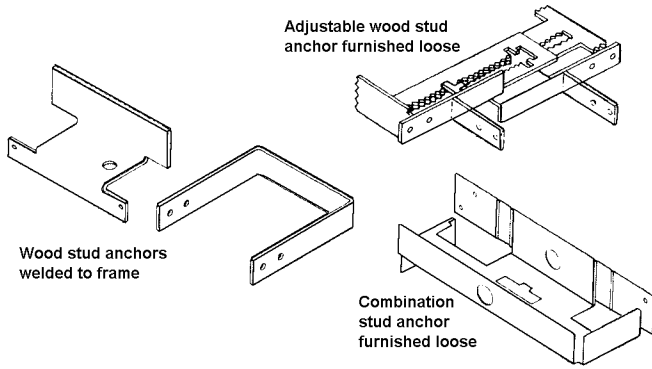
Install wood spreader and fasten sill anchor at strike jamb with nails or screws.



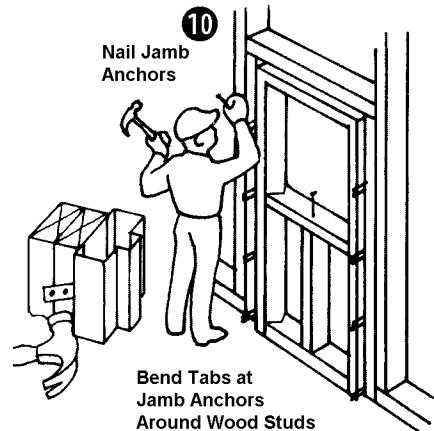
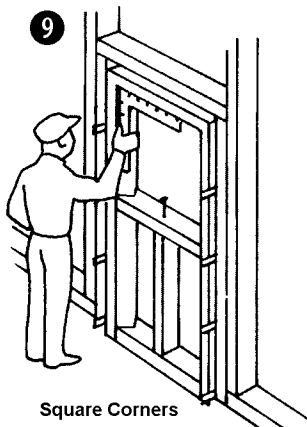
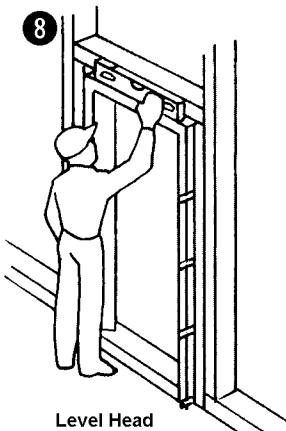
Insert the #6 x 1/2" Pan Head SMS into corner connectors, thru the hole at the top corner of the head.

Installing Frames in Wood Stud Construction

1 You will have been furnished an appropriate amount of one type of wood stud wall anchor.

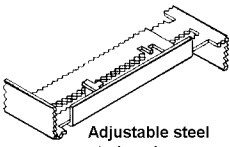


CARE SHOULD BE TAKEN TO INSURE THAT THE FRAME IS ABSOLUTELY PLUMB AND SQUARE.

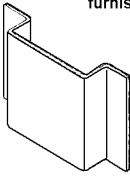


Installing Frames in Steel Stud Construction

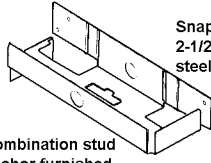
1 You will have been furnished an appropriate amount of one type of steel stud wall anchors.



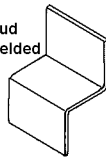
Adjustable steel stud anchor furnished loose.



"Hat" Clip closed stud anchor welded to frame.



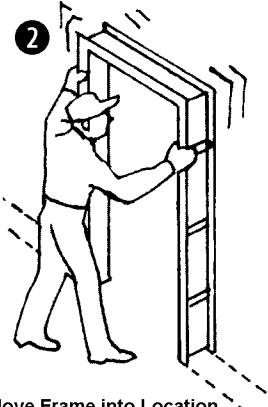
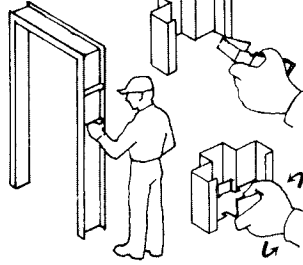
Combination stud anchor furnished loose.



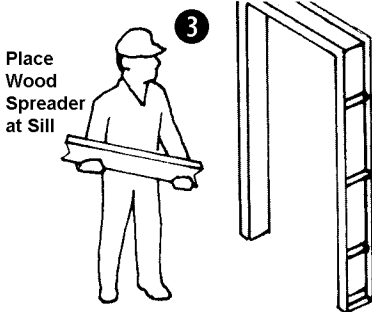
"Z" Clip closed stud anchor welded to frame.

Snap off for 2-1/2" or 3-1/2" steel stud

Loose anchors are installed by forcing the anchor between the inside of the rabbet and the return. Put anchor into place at an angle and twist until horizontal.

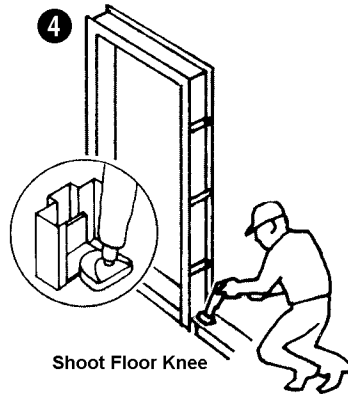


Move Frame into Location

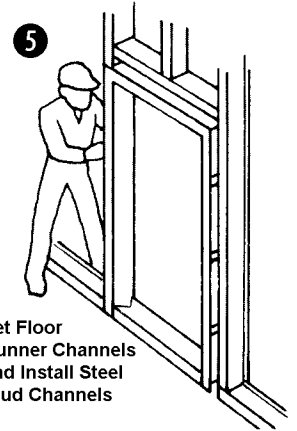


Place Wood Spreader at Sill

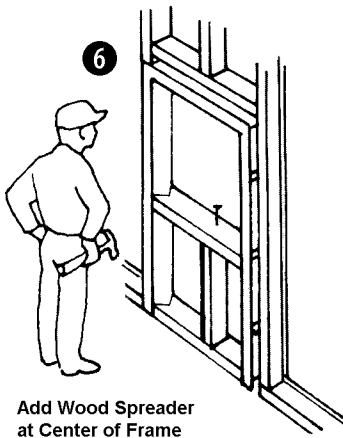
Note: Set-up and welded frame may have a spreader bar welded across the sill. Remove spreader bar and discard. Do not rely on spreader bar as an accurate jig. Factory welded frames have spreader bar attached beneath the frame - it will be necessary to remove before setting the frame.



Shoot Floor Knee



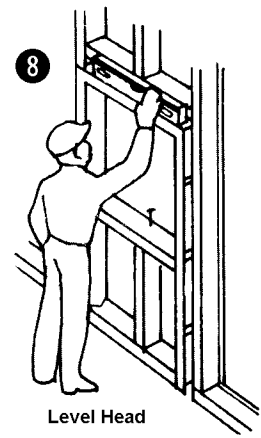
Set Floor Runner Channels and Install Steel Stud Channels



Add Wood Spreader at Center of Frame

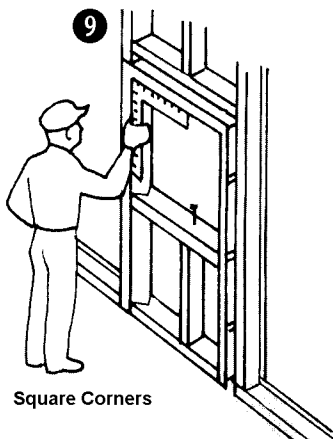


Plumb Jamba

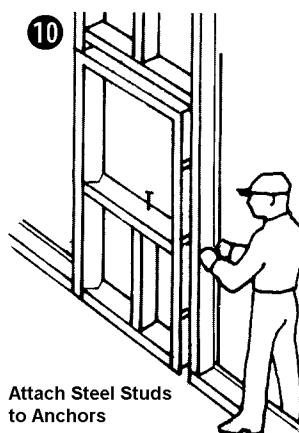


Level Head

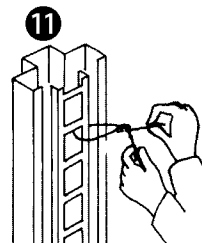
CARE SHOULD BE TAKEN TO INSURE THAT THE FRAME IS ABSOLUTELY PLUMB AND SQUARE.



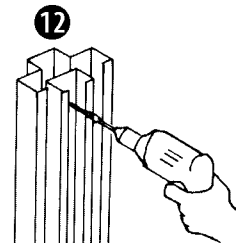
Square Corners



Attach Steel Studs to Anchors



Open Stud Wired to Anchor



Closed Stud Screwed to Anchor