FRAME INSTALLATION
MASTONRY and STUD WALLS

JOBSITE STORAGE: Store frames off the ground on wood runners or skids. Do not store directly on the ground. Cover frames with tarpaulin or plastic but be sure that adequate ventilation is provided to eliminate moisture condensation.

When frames are to be fully grouted and when plaster or mortar contain "anti-freeze" agents the inside of the frames should be coated with a bituminous, water-resistant paint by the installation contractor.

ASSEMBLY of FRAME

SLOTS FOR CORNER TABS

CORNER TABS

HEAD

BEND CORNER TABS TOWARD INSIDE OF FRAME

CORNER ASSEMBLY

BEND JAMB TABS TOWARD OUTSIDE OF FRAME

JAMB TABS

Install rubber silencers before frame is set up as to avoid grout plugging holes.

PLUMBING FRAME

SQUARING THE FRAME

The installer should use wood spreaders (as described at right), a carpenter's level (the longer the better), and a carpenter's square (the bigger the better). Set the frame in the desired location. Level head and plumb jambs. Shim under jambs if necessary.

SPREADER

Typical wood spreader must be square and made from lumber at least 1" thick. Length of spreader equals door opening width at the head. Cut clearance notches for frame stops as shown. Spreader must be nearly as wide as frame depth for proper installation.
MASONRY WALL CONSTRUCTION

BRACING THE FRAME

NOTE: If frame is received setup and welded, remove and discard the temporary metal supports that are tack welded to jamb at sill before starting installation.

Brace the frame as shown or shore to ceiling. Do not brace in the direction of intended wall. Plumb and square jamb. Set spreader. Attach jamb to floor through floor anchor.

INSTALLING THE FRAME

Set and plumb frame. Install jamb anchors at hinge levels as wall is laid up. (3 anchors for heights to 7'-2" -- one more anchor per jamb for each additional 2 feet of height or fraction thereof.) Grout frame in the area of the anchors. A second spreader should be used at mid-point of opening to maintain the door opening dimension. Continuously check plumb and square as wall progresses.

CHECK: The difference between diagonals measured from opposite corners should not exceed 1/16".

WOOD or METAL STUD WALL CONSTRUCTION

ROUGH STUD OPENING

ADD 1/8" TO OVERALL FRAME WIDTH
ADD 1/8" TO OVERALL FRAME HEIGHT

1. Build the rough opening in wall allowing 3/16" clearance between upright stud and frame jamb and 1/8" clearance between header and top of door frame.

2. Insert jamb anchors in frame throat and top into place with a hammer. Place at hinge location and directly opposite on strike jamb. Position anchors also at sill.

3. Place frame in rough opening.

4. Set spreader and level frame. Shim jamb if necessary.

5. Square and fasten top anchors to stud on ONE JAMB ONLY. Check plumb and square of door frame and continue to fasten balance of anchors to studs. Repeat on opposite jamb.

6A. If your anchor looks like Det. A, fasten anchor to metal stud thru web of channel using suitable fastener for sheet metal.

6B. If your anchor looks like Det. B, bend anchor tabs around stud and fasten tabs with suitable fastener.

7. Maintain necessary clearance between frame returns and stud for inserting wall board. Do not install wall board until you are sure that frame is plumb and square.