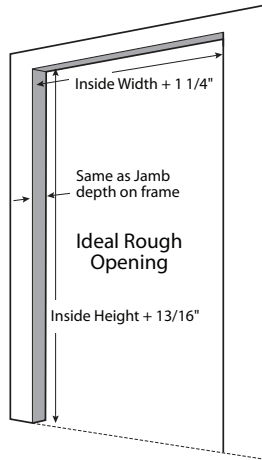
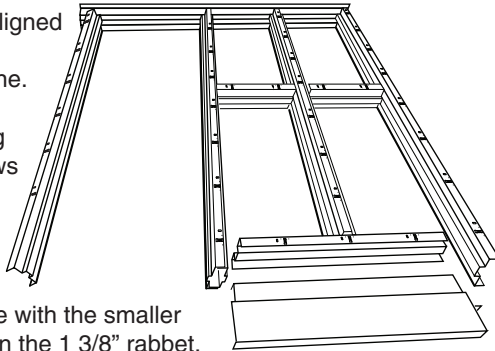


1. Verify Rough opening dimension and wall thickness. Do not install if wall is more than 1/8" larger or smaller than jamb size or if opening width is more than 2" wider or 1 1/4" higher than inside frame dimensions. Re-frame or furr wall as required to provide correct rough opening dimensions. Fire rated walls using wood studs must have 5/8" drywall between all frame components and wood.

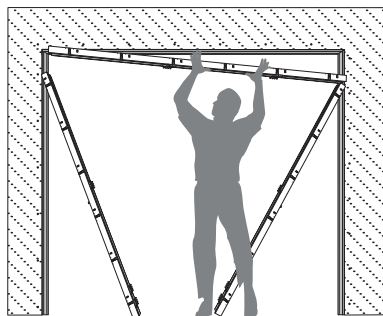


2. Remove all components from the cartons and place them on the floor. Install mullion brackets first.
- Establish a center line for the mullion bracket on the header by measuring from the stop on the end of the frame according to the measurement indicated on the drawing. Scribe a line on the stop. Using a center punch, locate a pilot dimple for the screw aligned with the scribe mark along the 90° bend where the stop and rabbet connect
 - Align the v-notch on the mullion bracket with the line previously scribed on the stop.
 - Apply the larger bracket on the 1 3/4" rabbet by inserting the screw at a 45° angle securing the bracket to the stop. Keep the bracket aligned with the scribed line. Apply the remaining two screws onto the rabbet.
 - Repeat the procedure with the smaller bracket on the 1 3/8" rabbet.



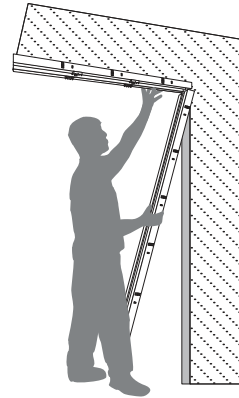
3. If closer reinforcements are required for the opening, install TA-12 in the header following the instructions provided in the reinforcement package.

4. Place the hinge jamb and sidelight upright jamb over the wall extending into the opening to leave about 6" from the top of the jamb to the top of the rough opening. Slide the Header over the wall and center in the rough opening.



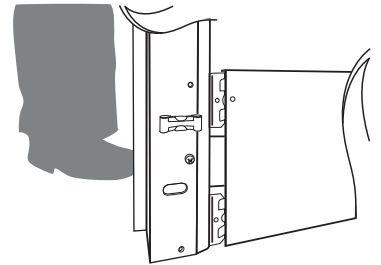
REQUIRED TOOLS

6 ft magnetic level	Phillips head screwdriver	Pry bar
3 ft level	Scriber	Combination square
Electric screwgun	Pencil	Hammer
#3 Phillips tip for hinge screws	Tape measure	Safety glasses
#2 Phillips tip for drywall screws	Chalk line	Center punch



5. Position the two jambs over the wall interlocking them with the header. Pull the header tight to the wall with the jambs aligned with the finish floor location. If necessary, use blocks or shims to raise the jamb to the desired height.

6. Attach the two sill angle pieces to the pre-installed top mullion bracket on the sidelight jamb. Fasten to the top bracket only through the pre-drilled holes.

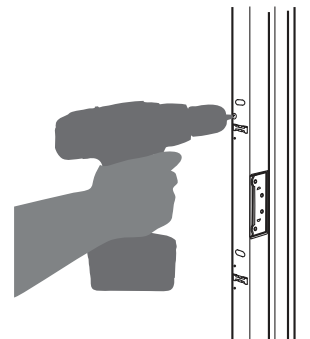


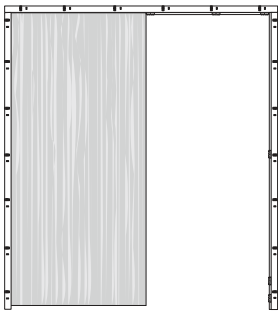
7. Place the strike mullion over the bracket on the header and tilt into position between the two sill angle pieces. Fasten the sill angle pieces to the brackets on the mullion.

8. Using a level, determine the "high" end for the header. Fasten the header at the high end on both sides of the wall.

9. If the hinge jamb is on the high side, place a fastener at the top only on both sides of the hinge jamb. The outside edge of the hinge jamb must align perfectly with the end of the header to ensure proper casing miters.

10. If the hinge jamb is on the low side, raise the hinge jamb until the header is level and fasten the hinge jamb at the top only on both sides of the wall. The outside edge of the hinge jamb must align perfectly with the end of the header to ensure proper casing miters. Do not fasten the low side of the header yet.





11. Plumb the hinge jamb using a 6' level and fasten on both sides of the wall.

12. Hang the door on the hinge jamb and close into position. Align the header to ensure equal clearance along the top of the door. Place a fastener on the door side of the header at

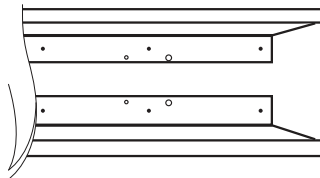
the hinge jamb, sidelight jamb and strike mullion to maintain alignment while installing the other jamb components.

13. Using the door as a template, position the strike mullion with correct gap between door and mullion on strike side. Mullion can be moved at the bottom to make sure the door makes contact with the stop on the mullion from top to bottom. If necessary, use a screwdriver in the oval slots on the sidelight upright to move the mullion closer



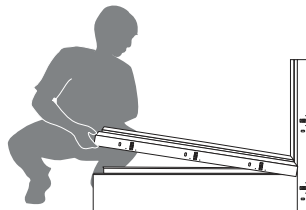
14. When positioned correctly, raise the sidelight upright tight to the header and place a fastener at the top, bottom and center. Shim under sill angles and mullion if necessary to raise the strike mullion tight to the header.

15. Fasten the sill pieces to the floor with appropriate fasteners. Fasteners should be applied at each end and no more than 11" apart along full length of panels.



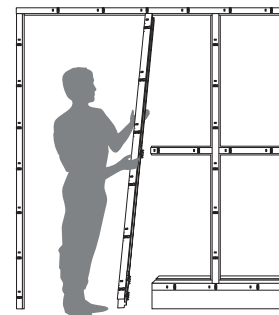
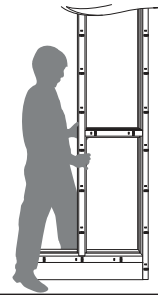
16. Remove the screws from the sill pieces at the strike mullion and sidelight jamb. Tilt the strike mullion out of the way to allow installation of components within the sidelight area.

17. Slide sidelight sill into place over top of sill pieces. Fasten the sill to the sill pieces and sidelight jamb through the pre-drilled holes in all three components. If necessary, use a nail or small punch inserted in the holes to align the parts.



18. If sidelight has horizontal or vertical mullions, remove the fasteners from the header at the strike mullion and sidelight jamb allowing the header to float while installing other components

19. Insert horizontal and vertical mullions (if used) in sidelight area. Begin with the horizontal mullion(s) at the sidelight jamb. Fasten the mullion(s) to the TA-15 bracket with tek screws on both sides of the jamb. Position vertical mullion(s) and interlock the mullion(s) with TA-15 brackets.



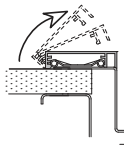
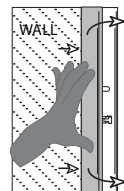
20. With all components in place, move the strike mullion into position between the two sill pieces. Fasten sill pieces and sidelight sill to the strike mullion brackets through the pre-drilled holes. If necessary, use a nail or small punch inserted in the holes to align the parts.

21. When all parts are aligned and the door is operating satisfactorily, fasten all perimeter components at each mullion location.

22. Secure the balance of the perimeter pieces with drywall screws placed at every casing attachment clip.

23. If using regular arm door closer(s) or other hardware mounted to the casing of the frame, install TA-10 reinforcements as necessary prior to applying casing.

24. Center the header casing on the header and snap the casing on one clip only in the center of the frame. When applying casing, always hook the outside leg of the casing over the clip and roll the inside edge of the casing over the clip by applying pressure on the inside edge. Insert the corner alignment bracket in the upright casing (if using TA-8 casing, Mitergard clip is already installed) and insert the bracket into the header casing aligning the two pieces with a tight miter joint. Hook the outside edge of the upright casing over the top clip and tap it onto the inside of the clip. Working from the top down, fasten the other vertical perimeter casing. Install the strike mullion casing then the sill mullion casing. For intermediate mullions in the sidelite area, install all vertical mullion pieces then install horizontal mullion pieces to make sure all casing copes and notches align properly. When installing mullion casing, the longer leg of the casing contacts the mullion insert. Install casing on the opposite side of the frame to complete the frame installation.



25. Apply TA-5 silencers to the strike mullion. Install the balance of the finish hardware to the frame as required. Follow hardware manufacturer's instructions for drilling and tapping for all surface mounted hardware.

26. Provide adequate protection for all parts of the opening to avoid damage to the finish. Minor damage to the frame finish can be repaired using TA-9 aerosol touch up paint.