

CK Frame with C Series Sidelight

Installation Steps

TOOLS REQUIRED

Tape measure	Screw gun with clutch adjusted	Screwdriver (used to adjust frame on will using oval slots)	Wood Dowel (same diameter as door undercut dimension)
6' magnetic level	#2 phillips tip		
3' magnetic level	#3 phillips tip	Pry Bar	

INSTALLATION GUIDELINES

1. Remove foam backing from strike cutout and hinge back-plates prior to placing jambs on the wall.
2. The frame should always rest on the finished floor. If the floor is not finished, shim the bottom of the jamb to compensate for flooring material.
3. The casing can be damaged if struck directly in the center. Apply pressure to the outer edges of the casing when installing.
4. Frames used for exterior exposures must be installed in areas with an overhang or in an opening properly flashed to direct moisture to the outside of the frame.
5. For best results, install the door, frame and hardware as a complete unit.

1 ROUGH OPENING

Verify the rough openings. Measure the wall thickness at the top, middle, and bottom on both sides. The Jamb depth must be within 1/8" (plus or minus) of the wall width.

The **rough opening width (W1)** is the total of the nominal door width(s) plus 1 1/4".

The **rough opening width (W2)** is the total of the nominal door width(s) plus the total net glass width(s) plus 2" for each vertical mullion plus 1 1/4".

The **rough opening height (H1)** is the net door area height (H) plus 13/16"

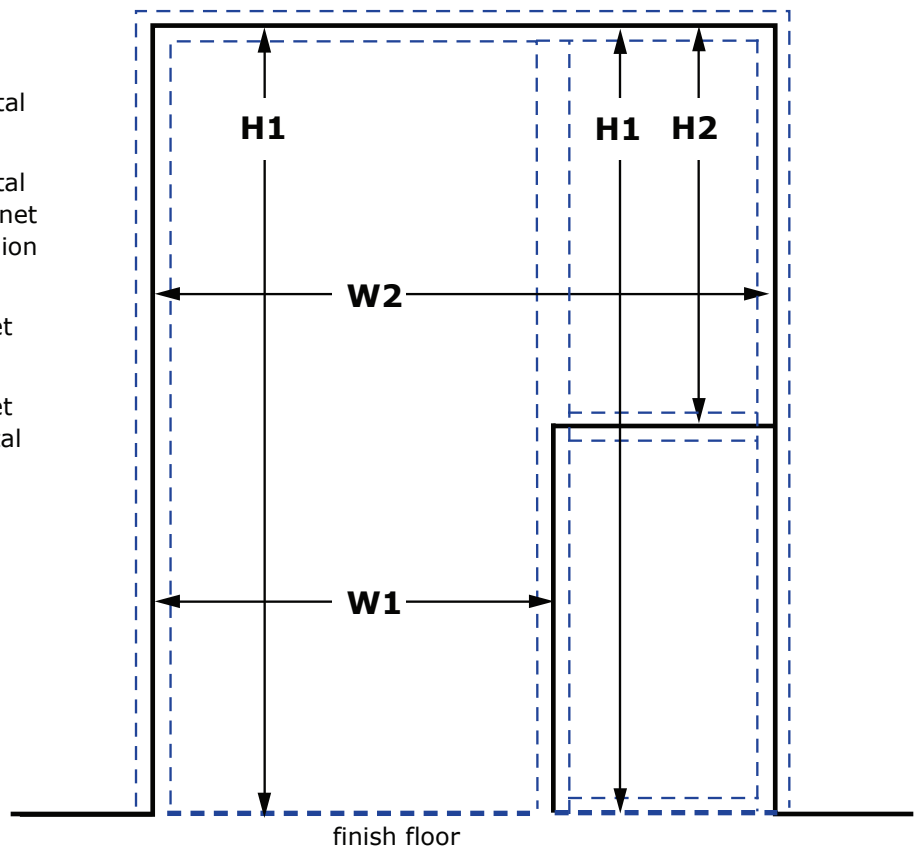
The **rough opening height (H2)** is the net door area height (H) + 2" for each horizontal mullion + 1 1/4"

W1 = Nominal Door Width(s) + 1 1/4"

W2 = Nominal Door Width +
Net Glass Width(s) + 2"
for each Mullion + 1 1/4"

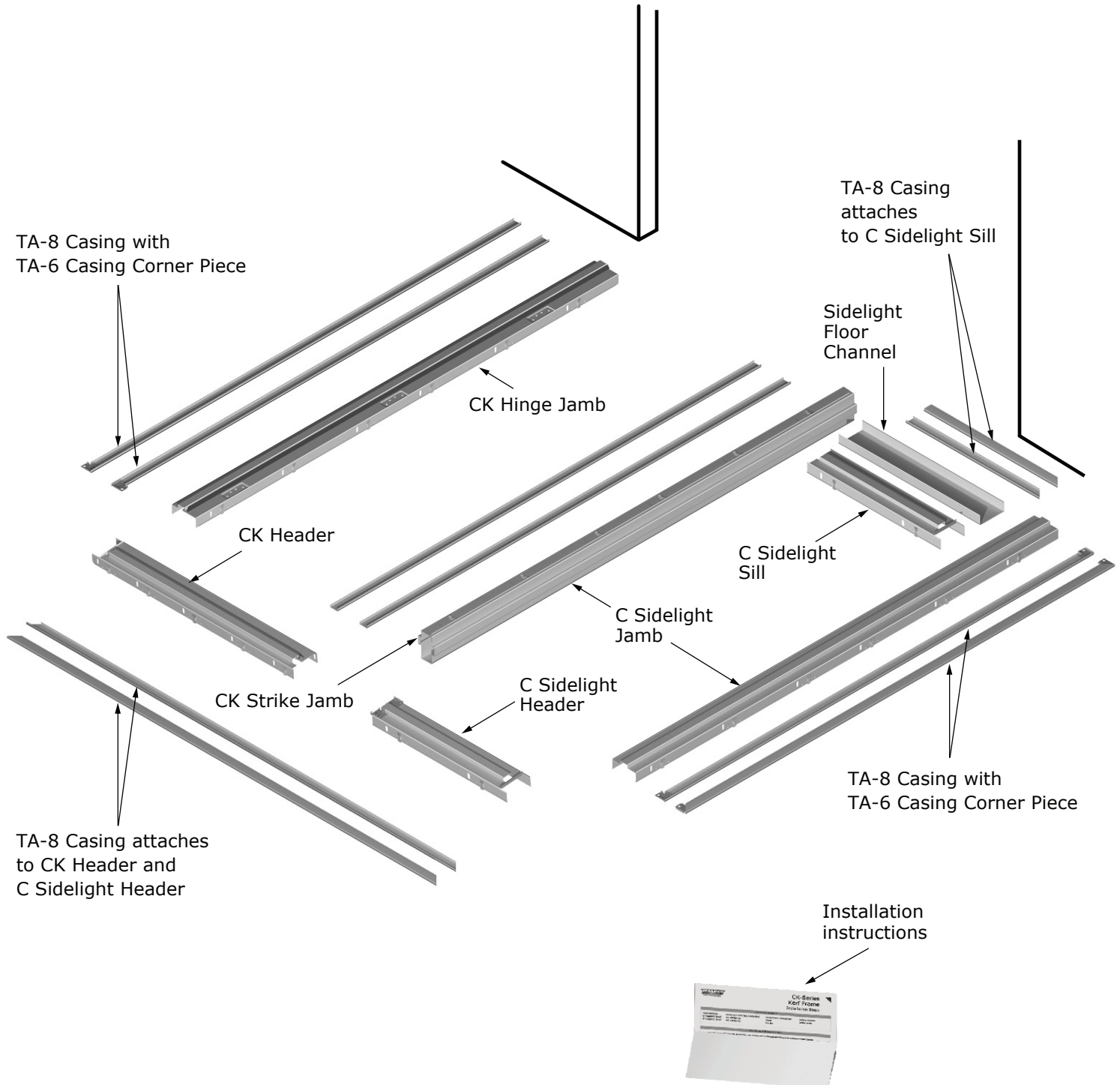
H1 = Net Door Opening + 13/16"

H2 = Net Glass Height(s) + 2"
for each horizontal
Mullion + 1 1/4"



2 PARTS LAYOUT

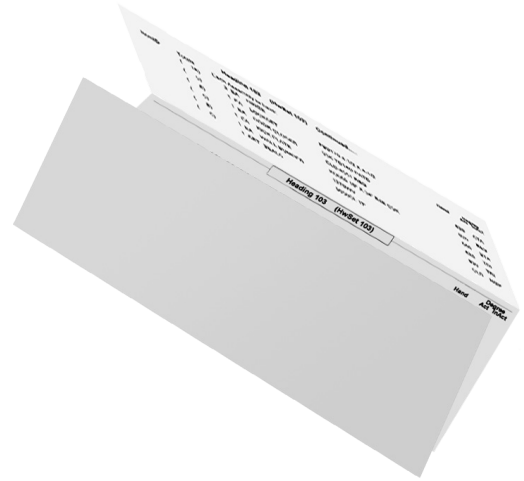
Position parts in relationship to each other to confirm that all parts are correct and conform to the shop drawing or order.



NOTE: Sidelight Mullion uses a CK Strike Jamb and C Sidelight Header

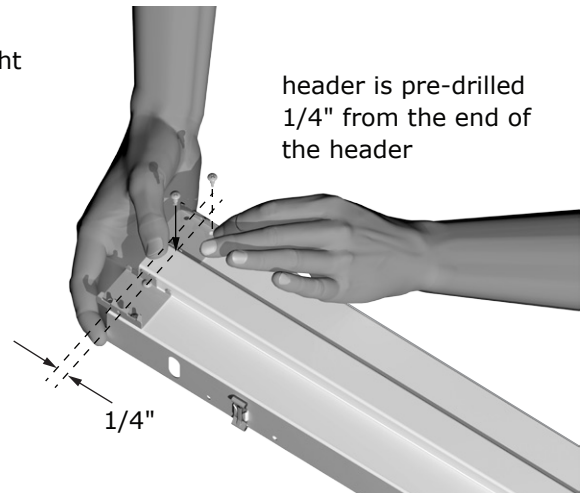
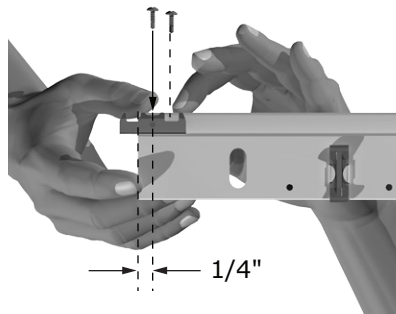
3 VERIFY HARDWARE REQUIREMENTS

Check the hardware schedule to confirm that hardware reinforcements are in place for surface mounted hardware and preparations are correct for mortised hardware. Install TA-47 reinforcements for soffit (stop) applied surface mounted hardware prior to placing components on the wall. Verify wiring location and frame access if using electronic hardware components.



4 INSTALL MULLION BRACKET(S)

Mullion brackets must be installed at the square cut end of the sidelight header. The header is pre-drilled 1/4" from the end of the header to ensure accurate mullion location. Install the header mullion bracket (TA-15N) following the instructions in the bracket package. If using horizontal or vertical mullions within the sidelight area, install TA-15N brackets at each location requiring a mullion connection to a jamb or another mullion. The bracket location is always the center point of the mullion being attached.



header is pre-drilled
1/4" from the end of
the header

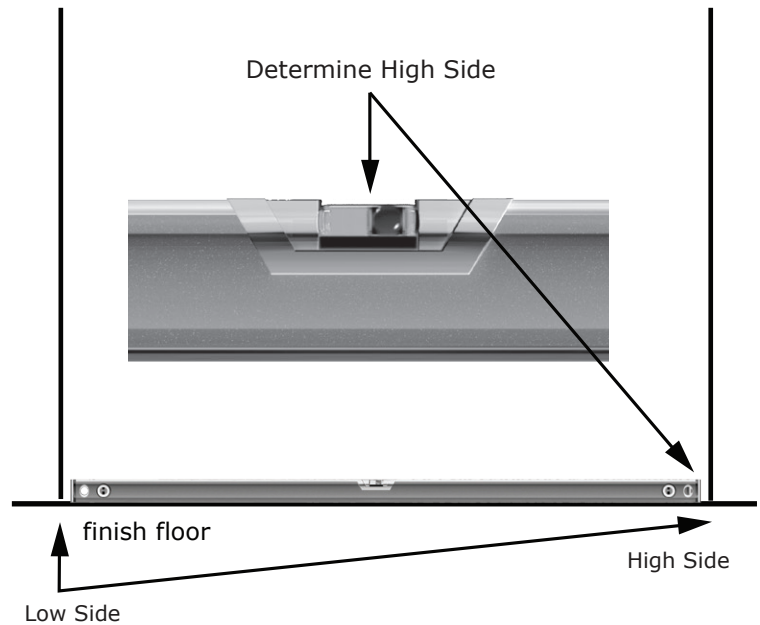
5 INSTALL FLOOR CHANNEL

For full height sidelights attached to the floor, locate the sidelight area by snapping a chalk line along the opening between the studs on each side of the wall. If soft (carpet) flooring is in place, remove the soft material so floor channel is installed on a solid surface. Locate the floor channel area by measuring from the sidelight area stud a distance equal to the sidelight area plus 2". Use appropriate fasteners to attach the channel to the floor tight to the sidelight stud and between the chalk lines. Securely anchor the end supporting the mullion by using additional fasteners. Other fasteners should be at 12" intervals on both sides of the floor channel.



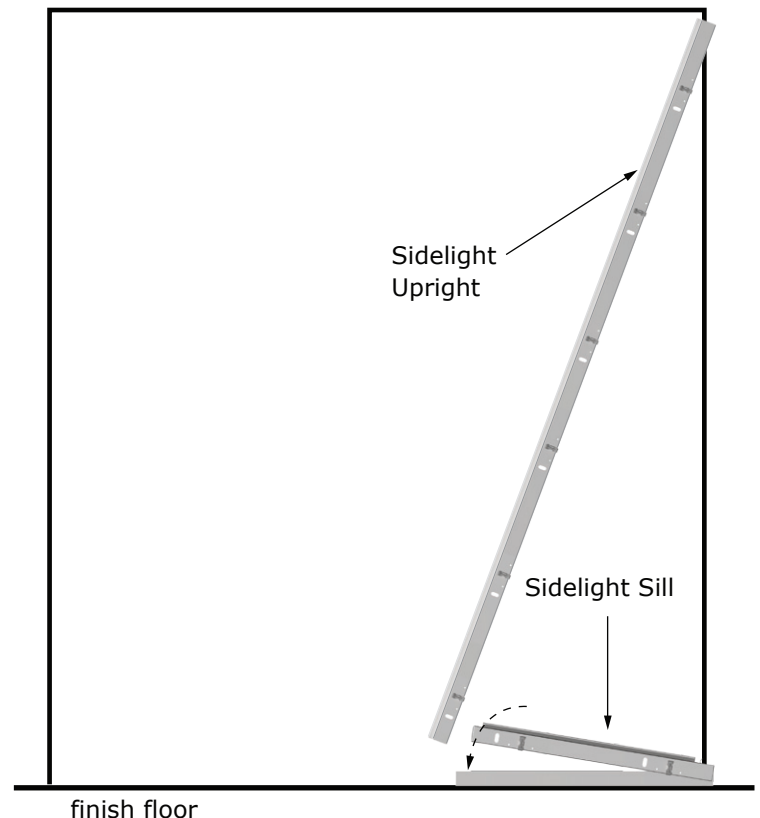
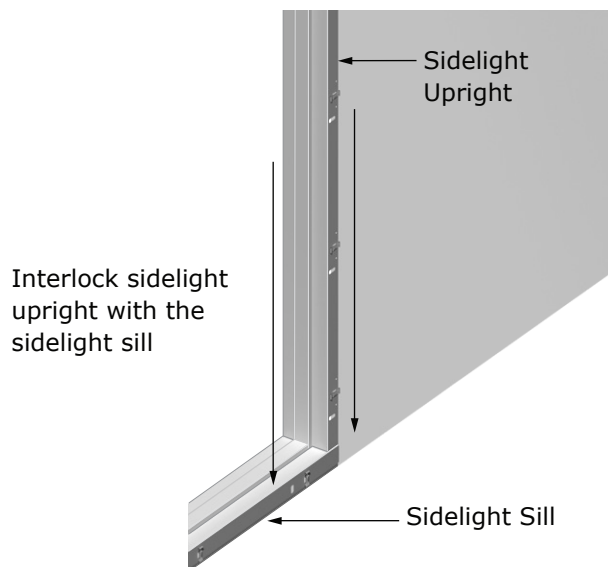
5 DETERMINE THE "HIGH" SIDE OF THE OPENING

Since few floors are perfectly level, the high side (starting point) for the installation must be determined. Use a 6' level placed on the floor to determine which side of the opening is highest. The complete frame must be installed using this point as the "low" point for the jambs. If the bubble points toward the sidelight area, the hinge jamb must be raised so the bottom matches the bottom of the sidelight area. To determine the jamb location, mark the wall with the level on the floor. Raise the level to the "level" location and mark the wall again. The difference between these two marks is the amount the jamb must be raised. If the bubble points to the door side of the opening, there is no need to raise the hinge jamb and installation can proceed with the hinge jamb resting on the finished floor.



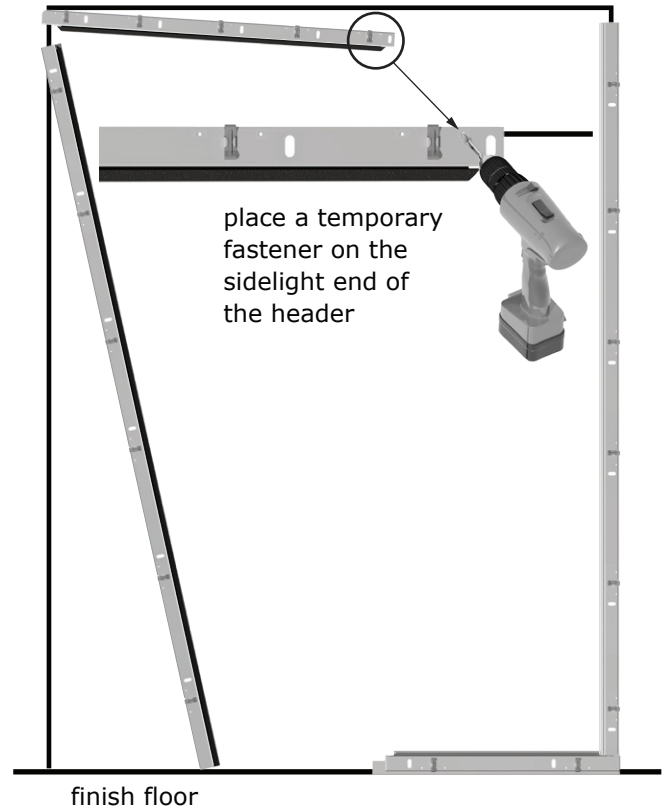
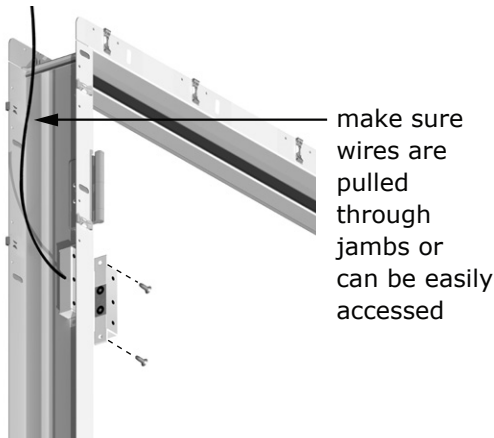
6 INSTALL SIDELIGHT SILL AND SIDELIGHT UPRIGHT

Place the sidelight sill over the floor channel or wall. The end of the sill with no alignment tab is installed toward the mullion. Sleeve the sidelight upright over the wall and interlock it with the sidelight sill.



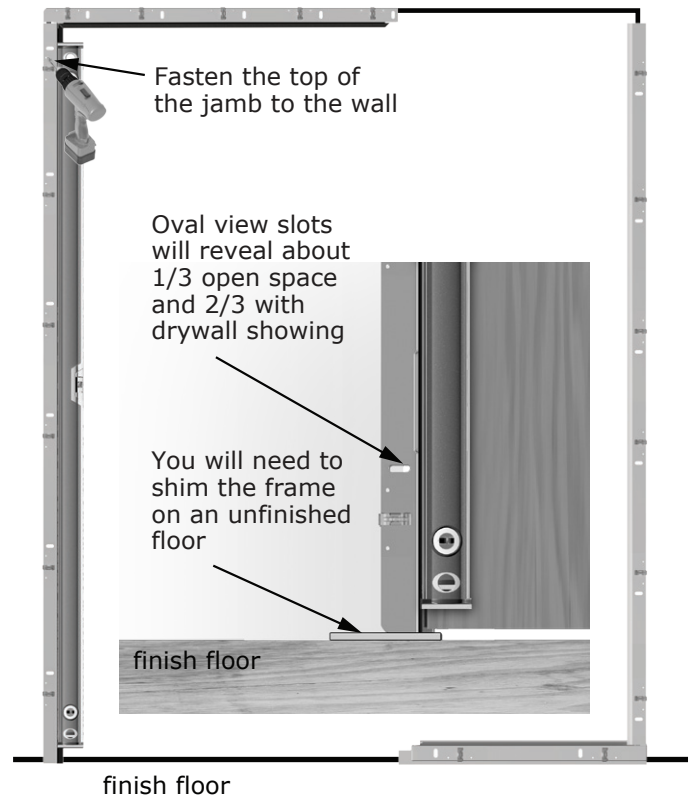
7 INSTALL DOOR AREA HEADER AND HINGE JAMB

Place the hinge jamb over the wall at an angle so the bottom of the jamb projects into the opening about 3". If wiring access is required, make sure wires are pulled through jambs or can be easily accessed once the jambs are in position. Sleeve the door area header (CK) over the wall with approximately 5/8" of space between the stud and the alignment tab. Move the hinge jamb into place and interlock the header and jamb. If the header is loose on the wall, place a temporary fastener on the sidelight end of the header allowing it to move up and down with the hinge jamb.



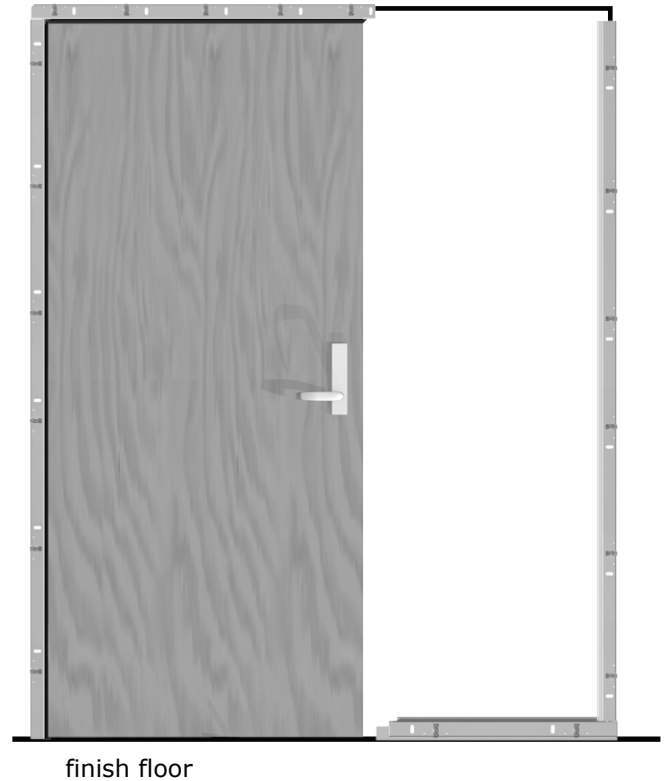
8 SECURE THE HINGE JAMB

Check for hinge jamb location on the wall. Oval view slots will reveal about 1/3 open space and 2/3 with drywall showing. Raise the hinge jamb (if necessary) so bottom is aligned with the mark. Use a solid spacer if necessary to keep the hinge jamb in place. Use a drywall screw to fasten the top of the jamb to the wall. Using the 6' level, plumb the hinge jamb and secure by placing a fastener at each casing clip on the door side.



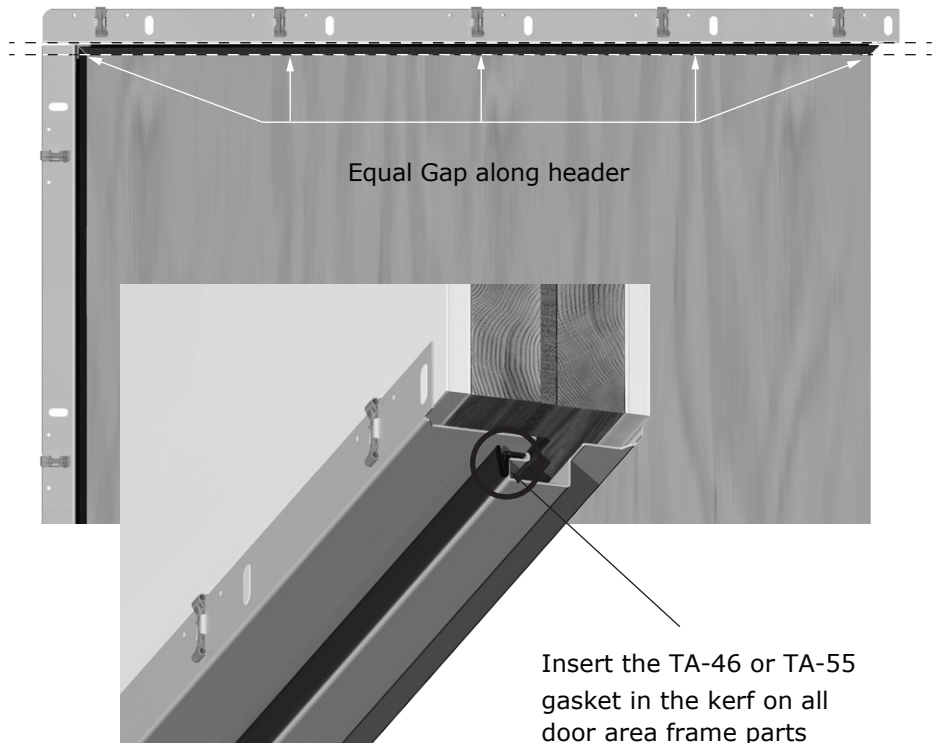
9 HANG THE DOOR

Attach the hinges to the door using the proper fasteners. For commercial weight hinges, use a #3 phillips screwdriver tip. Place a wood dowel of diameter equal to the door undercut at a position 90° from the wall and approximately one half the door width. Rest the door on the dowel and move it into position to attach the top hinge to the frame. Remove the dowel from under the door and secure the remaining hinges using machine screws.



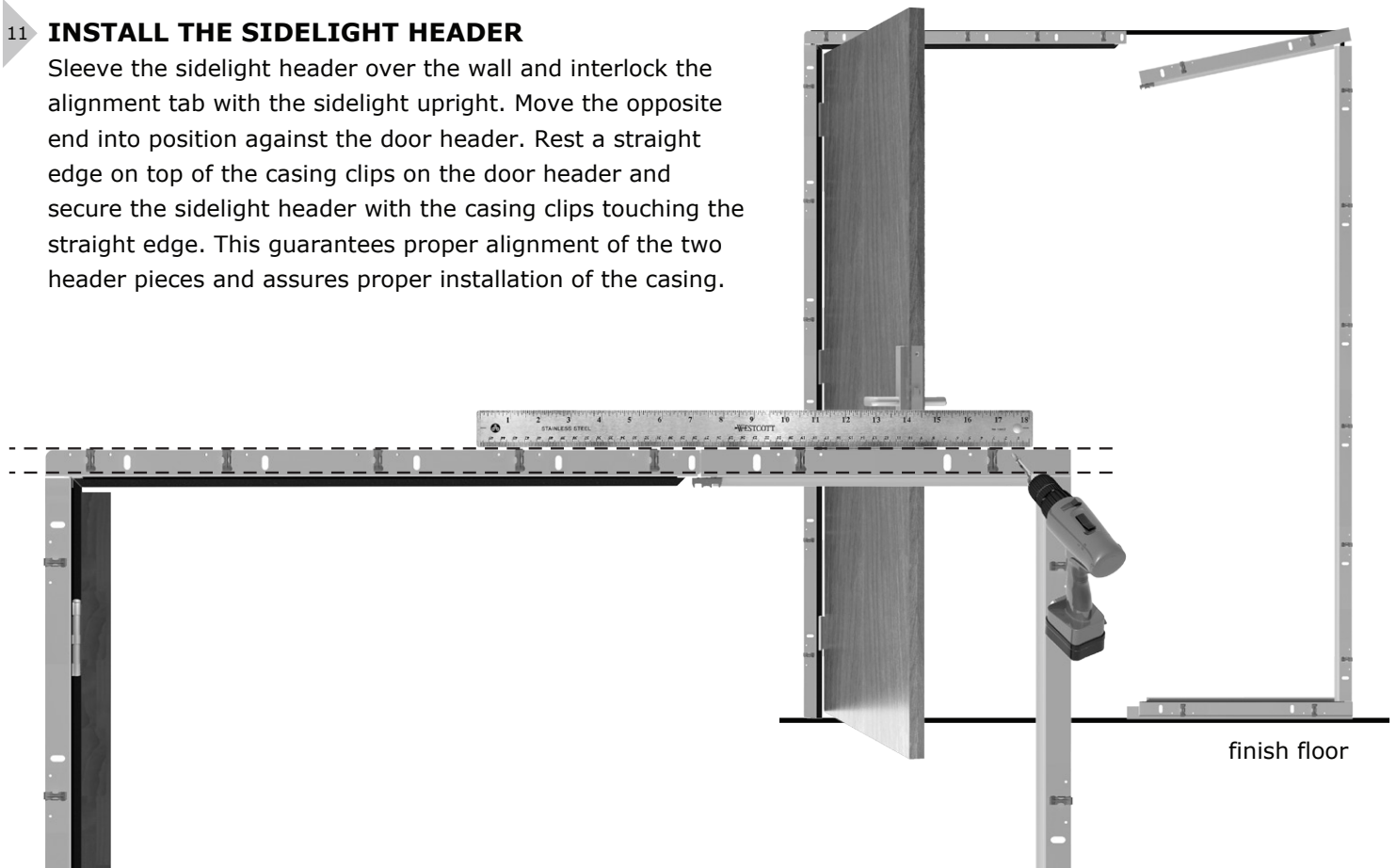
10 ALIGN DOOR AREA HEADER

If not already installed, insert the TA-46 or TA-55 gasket in the kerf on all door area frame parts. Move the header down tight to the hinge jamb and apply a fastener to hold the header in position. Remove the temporary fastener (if used) at the mullion end of the header to allow the header to "float". Close the door and position the header with equal clearance above the door and apply a fastener to secure the header. Place a fastener at each casing clip on the header.



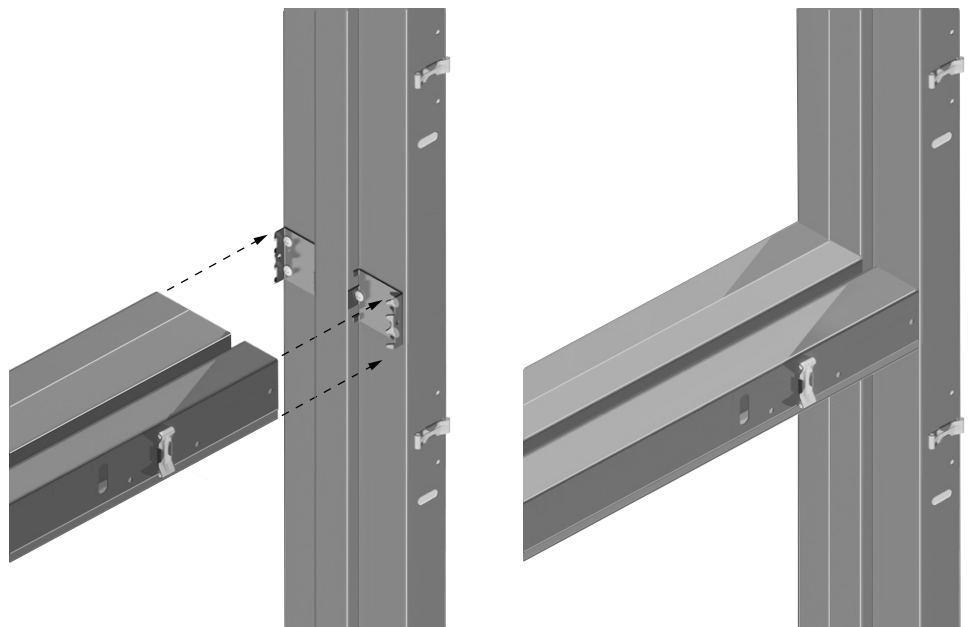
11 INSTALL THE SIDELIGHT HEADER

Sleeve the sidelight header over the wall and interlock the alignment tab with the sidelight upright. Move the opposite end into position against the door header. Rest a straight edge on top of the casing clips on the door header and secure the sidelight header with the casing clips touching the straight edge. This guarantees proper alignment of the two header pieces and assures proper installation of the casing.



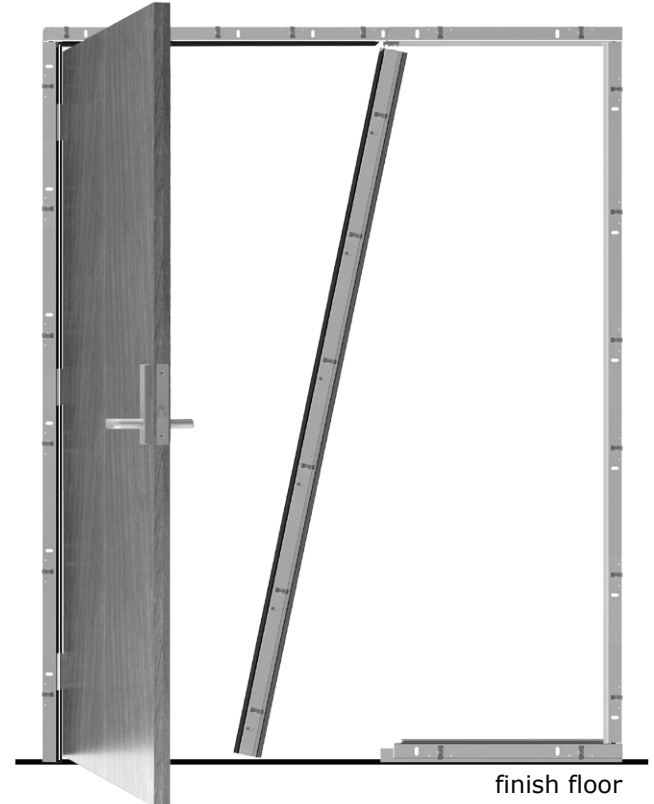
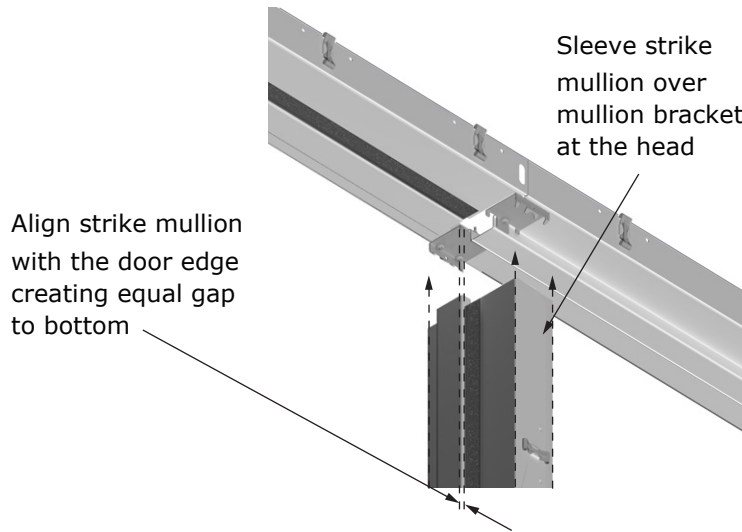
12 INSTALL THE SIDELIGHT MULLION(S) IF USED

If using mullions in the sidelight area, install horizontal mullions first and work toward the strike mullion. With all mullions in place, secure each mullion to the mullion bracket making sure the mullion is drawn tight to the jamb section.



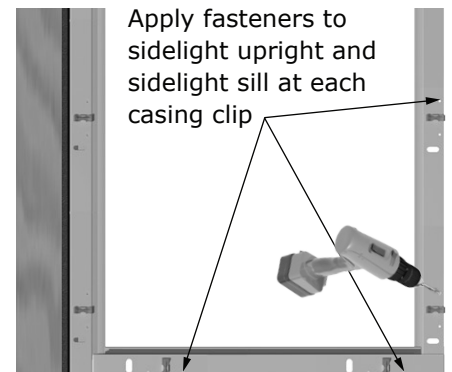
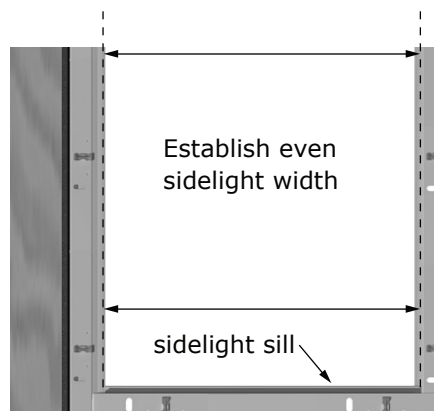
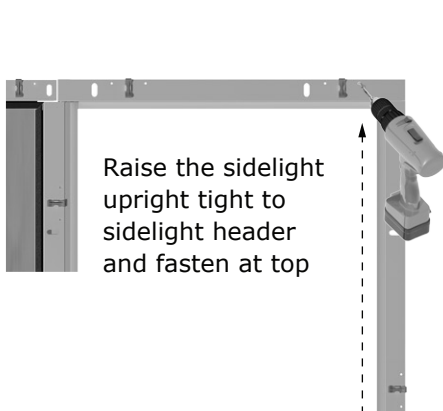
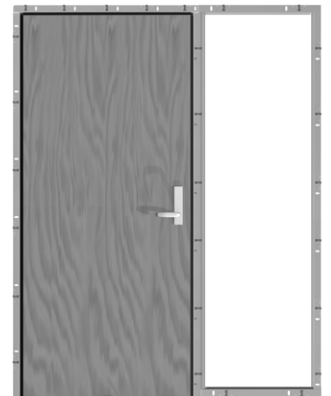
13 INSTALL THE STRIKE MULLION

Sleeve the strike mullion over the mullion bracket at the head and move into place interlocked with the sidelight sill. Fasten the mullion at the head on both sides. Close the door and align the strike mullion with the door edge creating equal gap to bottom. Secure the mullion to the floor channel or wall.



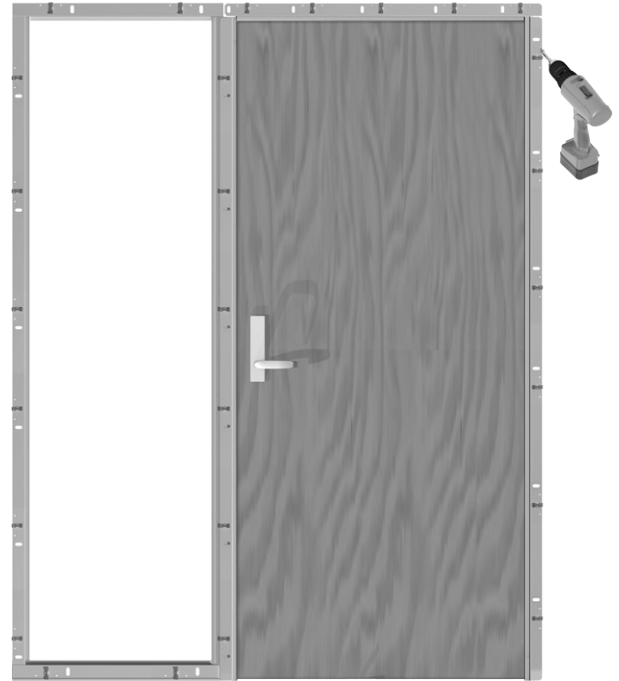
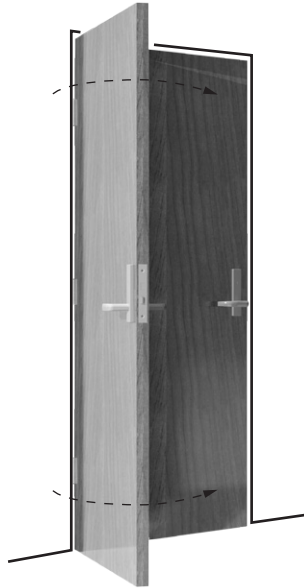
14 SECURE THE SIDELIGHT UPRIGHT THEN SECURE THE SIDELIGHT SILL

Raise the sidelight upright tight to the sidelight header and fasten at the top. Raise the sidelight sill into position tight to the mullion insert and sidelight upright to establish even sidelight width. Fasten the bottom of the sidelight upright. Raise the sidelight sill tight to the sidelight upright and apply a fastener. Raise the opposite end of the sill (toward the mullion) and fasten to the wall or floor channel. Apply fasteners to the sidelight upright and sidelight sill at each casing clip.



15 SECURE THE OPPOSITE SIDE OF THE FRAME

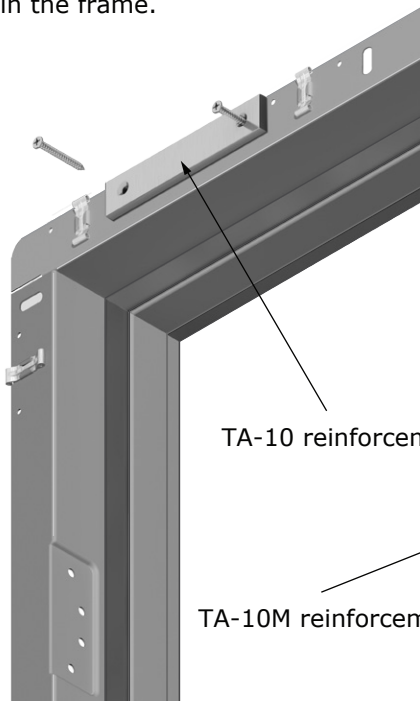
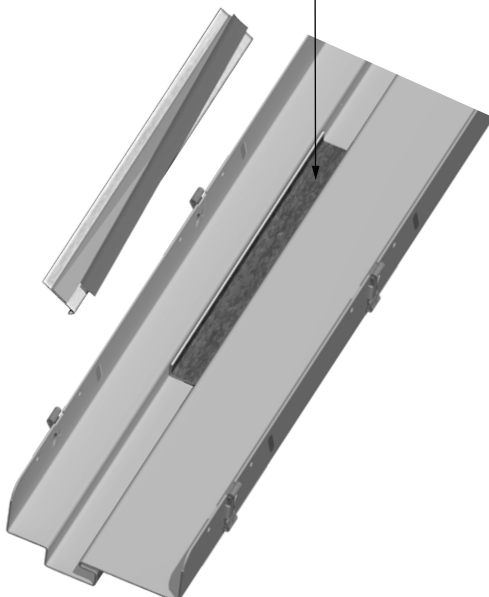
Check for proper door operation and adjust if necessary. Fasten the opposite side of the frame with a drywall screw at each casing clip



16 APPLY HARDWARE REINFORCEMENTS

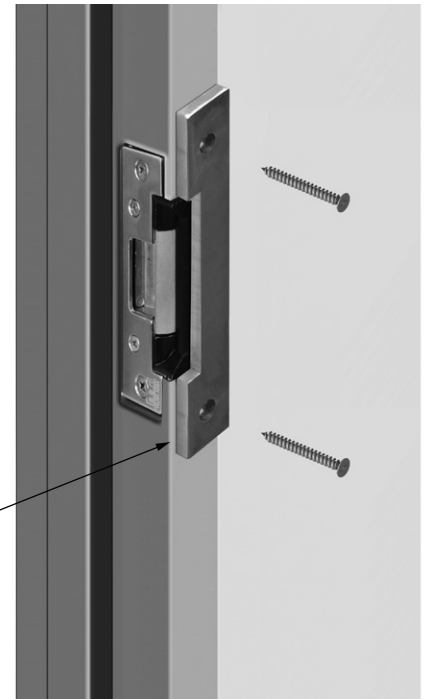
Install TA-10 reinforcements as required for any surface mounted hardware applied to the casing. If using electric strikes, apply TA-10M filler using the pre-drilled holes in the frame.

TA-47 Parallel Arm Closer
Reinforcement Bracket



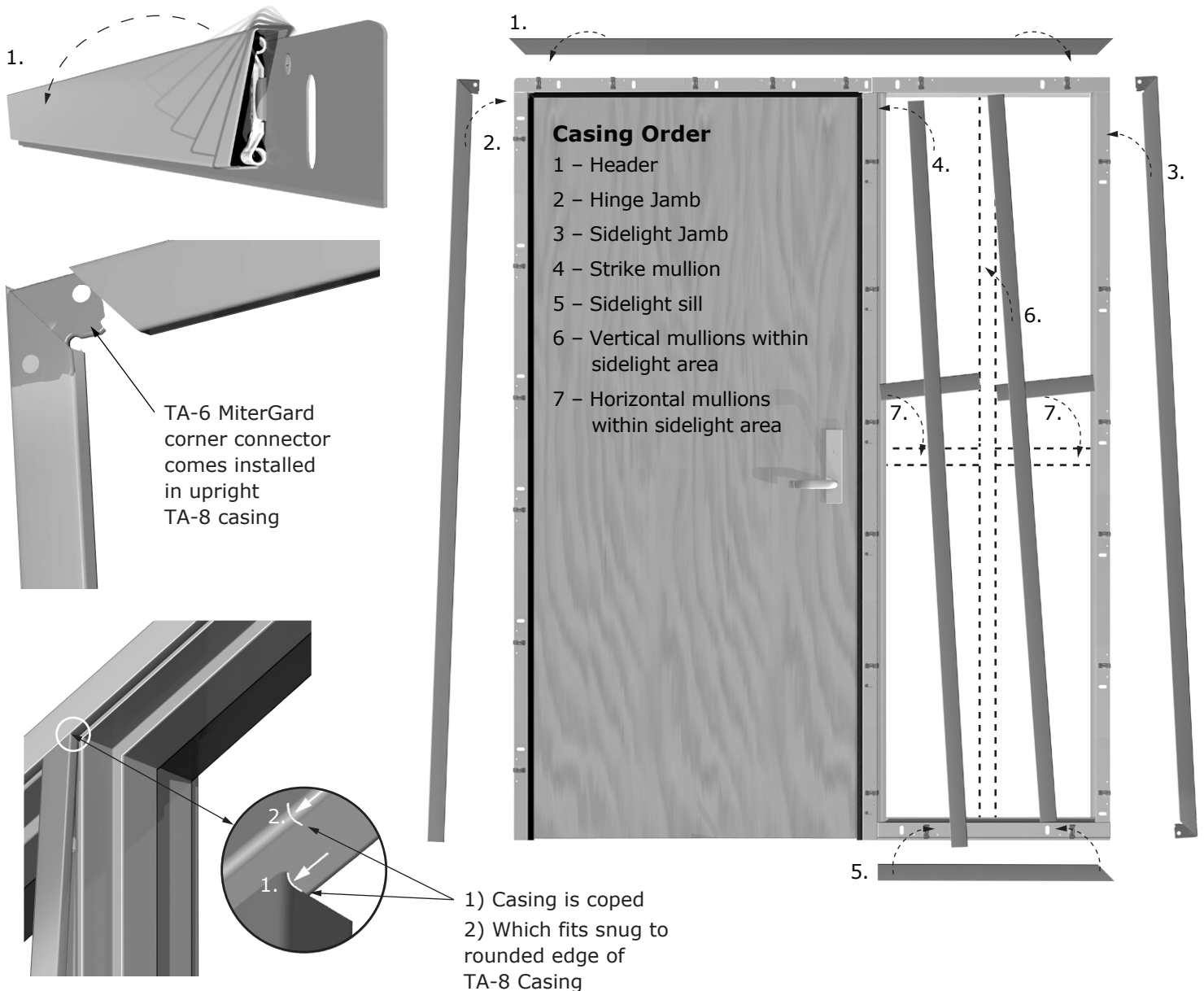
TA-10 reinforcement

TA-10M reinforcement



17 APPLY CASINGS

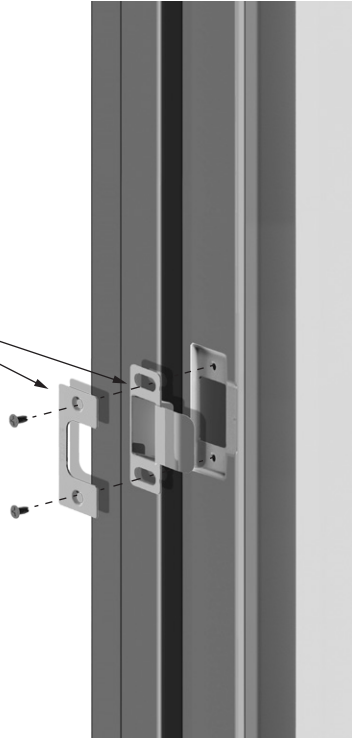
Beginning with the header casing, hook the casing over the top of each clip. Center the casing between the outer jambs and snap on to one clip in the center of the opening. Insert upright casing using Miter guard corner or appropriate corner aligner to connect the upright casing with the header casing. Position casings so miters are tight and snap the casing over the clips at each top corner. Roll header casing onto each clip and snap in place. Beginning at the top, secure the jamb casings into position by hooking the outside (toward the wall) of the casing over the clip and snapping onto the inside. Apply the strike mullion casing making sure the longer casing leg rests on the insert side of the mullion. Apply the sidelight sill casing using the appropriate corner aligner. When using TA-8 casing, the ends of mullion cut casing are coped and must be installed in a specific order. Once the casing has been installed on the perimeter of the sidelight, install mullion casings (if used) on mullions in the sidelight area. Install all vertical casings first, then install horizontal casings. All mullion casings must be installed with the longer leg of the casing resting on the insert section of the mullion. Apply casings to the opposite side of the frame using the same procedure.



18 **INSTALL BALANCE OF HARDWARE**

Install the adjustable strike (if used) and the balance of the hardware on the door and frame to complete the opening.

Install TA-1
Adjustable T-Strike



Install all hardware
needed to complete
the opening

Door Guard

