TrendWall Floor-To-Ceiling Panels Installation Instruction

13467 Quincy St. P.O. Box 9016
Holland, Michigan 49422-9016
US: 1-800-748-0234

TrendWall Components Covered by this Instruction:

- Crown (and accessories)
- Floor Plate
- Solid Panel
- Filler Panel
- Wall Channel
- Door Section
- Pilaster
- Vinyl Base

For instructions on installing Trendwall components not listed above, refer to the Installation Instructions provided with that component.

Recommended Installation Tools

- Nylon Mallet
- Rubber Mallet
- Hammer
- Electric Screwdriver
- Drill Bit Set
- Phillips Head Screw Bits #2 and #3
- Ladder
- Pliers
- Plumb Bob
- Level
- Steel Tape Rule
- Safety Glasses
- 1/4" (.250") Cement Drill
- Sabre Saw
- Hacksaw (Electric preferable)
- Utility Knife
- Putty Knife
- Tin Snips

INSTALLATION SEQUENCE

1. Read through all instructions and familiarize yourself with all aspects of a TrendWall installation.

2. Note the names of common elements used in TrendWall panels. (FIG. 1)

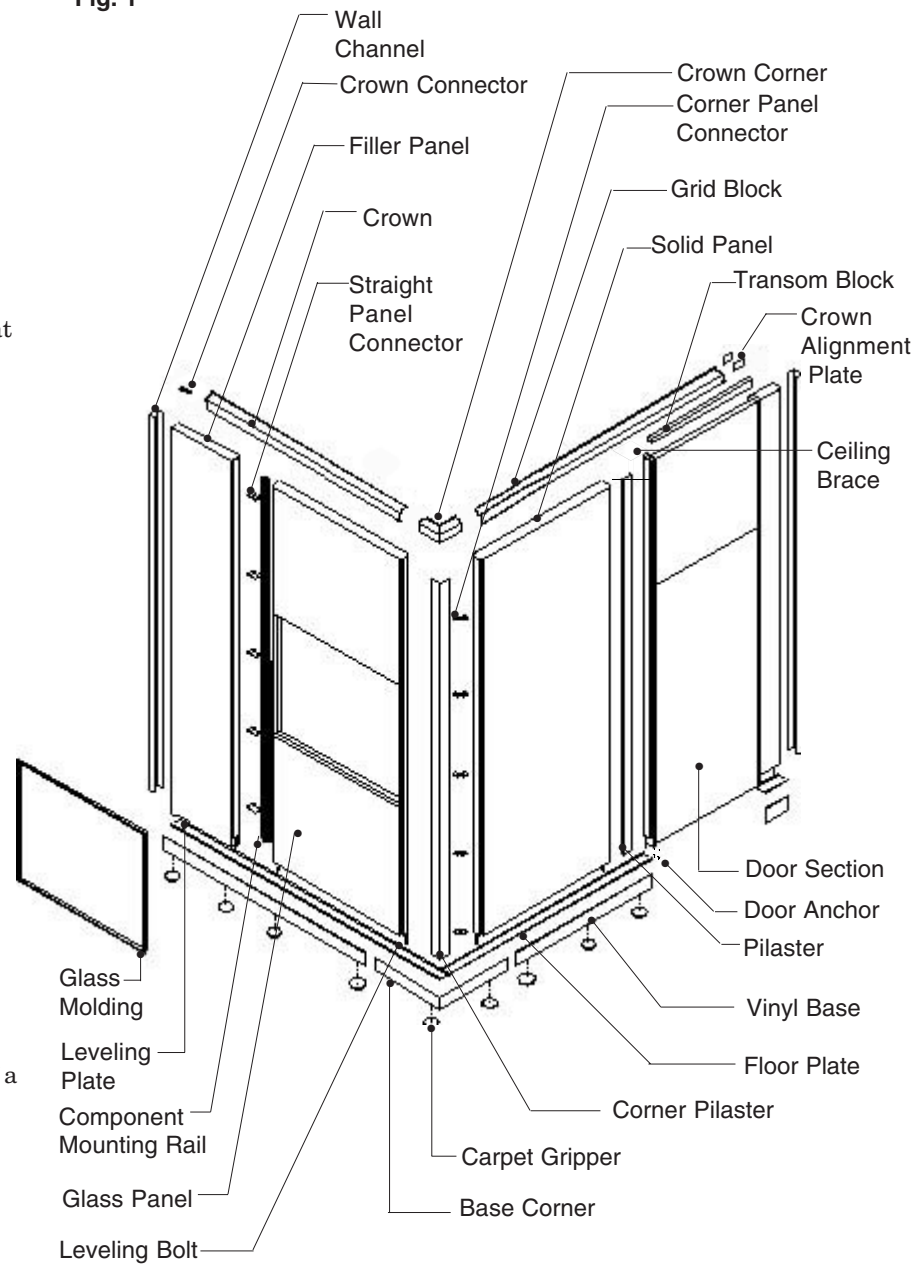
CAUTION:
To avoid damage DO NOT lay flat on floor.

3. Stage TrendWall panels by height, width, surface texture and color.

4. Mark layout on the ceiling.

5. Install Crown.

Fig. 1



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6. Mark layout on floor from ceiling layout.
7. Install floor plate.
8. Install wall channel.
9. Stand solid and glass panels and secure with connectors.
10. Assemble and install Double and Bi-Fold Doors.
11. Install all Filler Panels.
12. Install Trendwall Modular Electrical System or have electrician install any required electrical hardwire outlets and switches.
13. Install Component Mounting Rails.
14. Install Pilaster Covers.
15. Install Vinyl Base.
16. Install Choices or Basic Choices.

MARKING LAYOUT

NOTE:
All TrendWall Dimensions are based on Centerline dimensioning. (FIG. 2)

Exception:
When extended corners are specified, the dimensions are from the inside edge of the corner to the centerline of the next panel-to-panel connection.

1. Use tape or baby powder to create the layout on the ceiling to indicate where panels will be placed. (FIG. 3)
2. Measure over 1 5/8" from centerline to locate the edge of the Crown. (FIG. 3)

FIG. 2

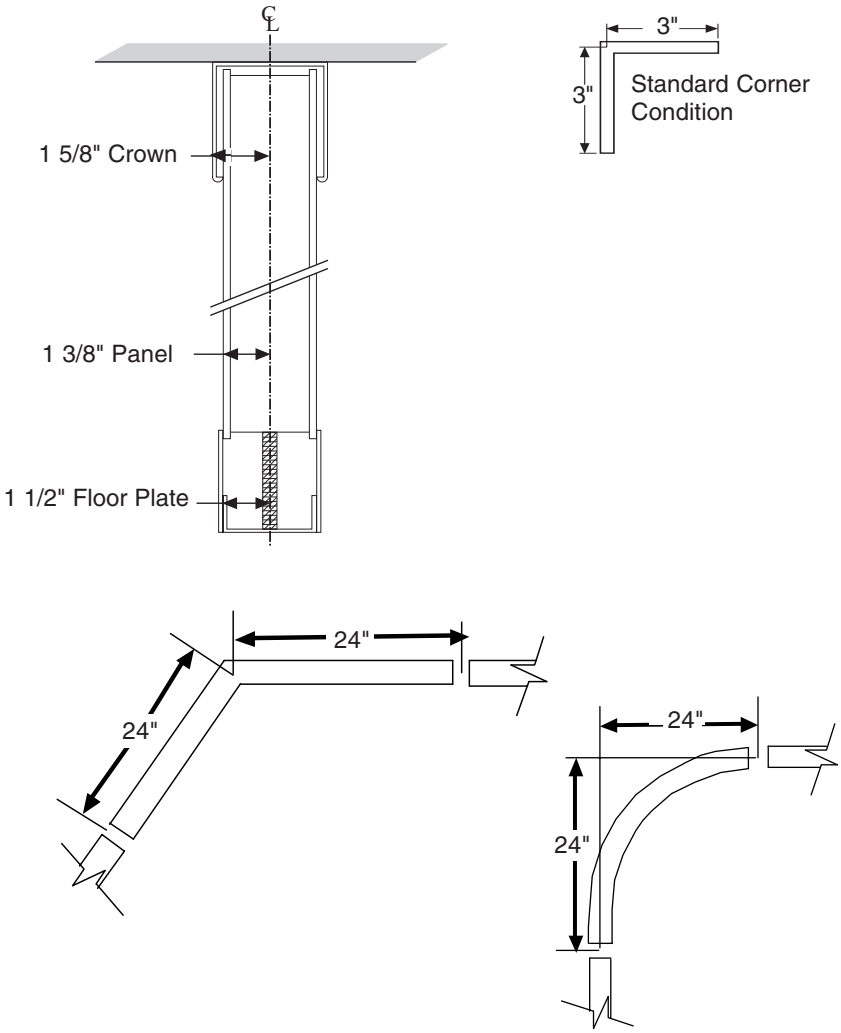
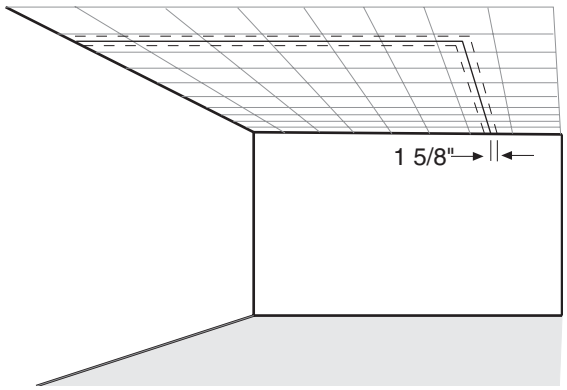


FIG. 3



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CROWN

NOTE:
Start crown at a pre-formed corner. If there are no corners in the layout, start installation at a wall using a Wall Channel.

IMPORTANT:
Crown sections must be attached only to a structurally sound surface in the ceiling. Crown must be connected to ceiling grid at least every 2' or 4' as the ceiling grid allows.

1. Place a crown corner, with the long legs down, on the layout lines. Mark the crown piece where the ceiling grid intersects. Remove and drill the crown piece with a 13/64" drill bit.

2. Place the crown corner back on the layout lines and mark the ceiling grid using the holes in the crown as a template. Remove the crown.

3. If the ceiling grid is recessed in the ceiling tile, place Ceiling Grid Blocks at each hole in the crown. Drill 1/4" dia. holes in block using the crown as a template or cut a notch in the block that extends past the centerline of the block. (FIG. 4)

4. Determine from layout where any T-conditions are located. Mark the centerline location on the crown. (FIG. 5a)

5. Cut a 3" wide notch (1 1/2" on each side of centerline) (FIG. 5b) in the crown on the side of the T-condition before installing it. (FIG. 5c)

6. Hold the crown against the ceiling and attach with #10x1" pan head screws. (FIG. 6)

FIG. 4

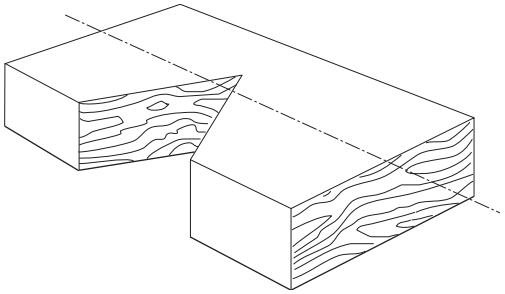


FIG. 5a

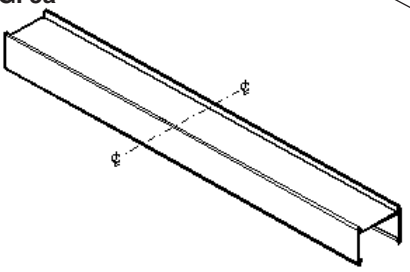


FIG. 5b

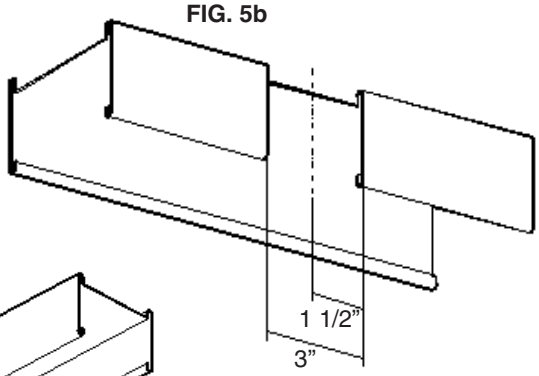


FIG. 5c

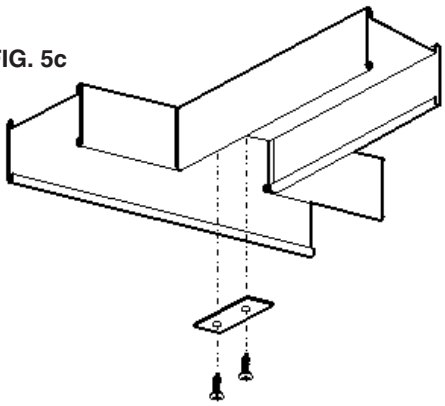
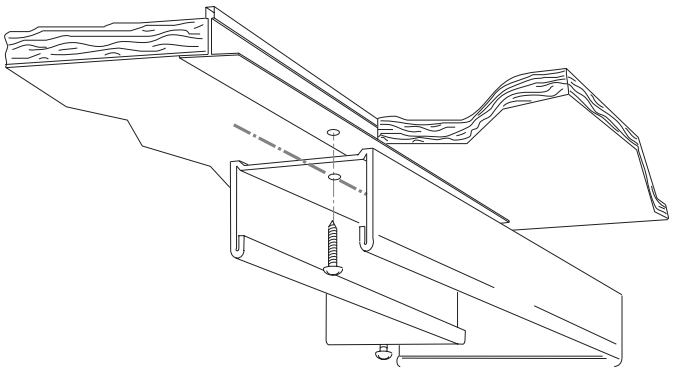


FIG. 6



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7. Repeat with the rest of the crown needed for the layout.

8. To connect adjacent crown sections, insert crown alignment plates into slots of adjoining crown pieces before mounting the second crown section to the ceiling. Fasten the crown connector between crown sections with two #8x1/2" drill-point screws. (FIG. 7)

9. If it is necessary to cut a crown section, use a metal cutting power saw (do not use a fiber blade) to carefully make a straight cut. (FIG. 8)

FIG. 7

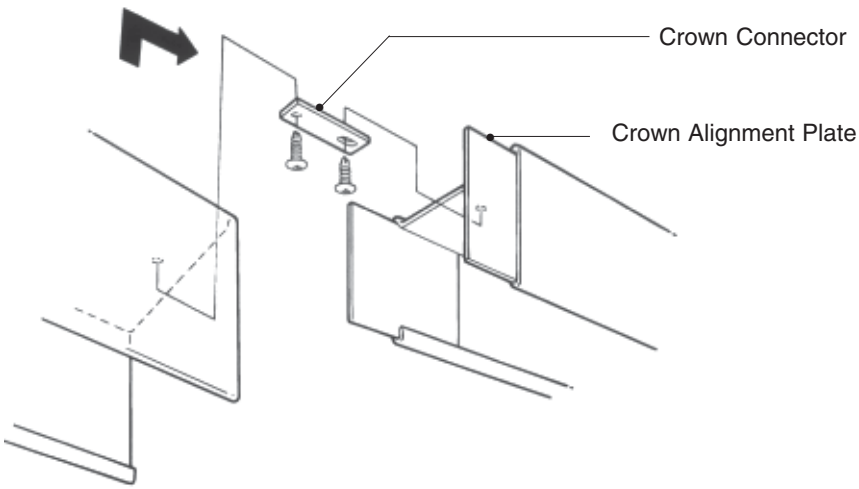
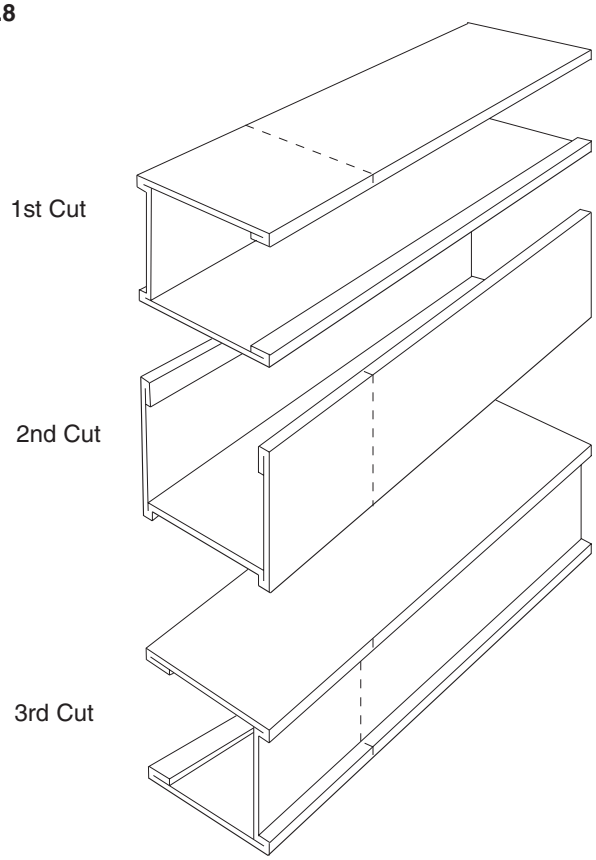


FIG.8



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LOCATING FLOOR PLATE

NOTE:
Start locating the Floor Plate at the same location the crown was started.

1. Use a plumb bob or laser to locate a mark on a length of tape as shown in Figure 10.

2. From the mark, measure 1/8" to locate the edge of the floor plate. (FIG. 10)

3. Mark the locations for all door sections. Determine the locations by starting at a corner and add all the Panel Widths between the corner and the door section ("PW"). Then add 8 1/2" if the side panel is on the same side as the panels added or 1 3/8" if the side panel is on the opposite side. For example:

   a. (Vertical run in FIG. 11) "PW" is 48" (two 24" panels) and the side panel of the door section is on the same side as the two 24" panels so add 8 1/2" and 48" to get 56 1/2" from the centerline of the corner for standard corners or add 1 3/8" on extended corners, see Figure 2, to the edge of the door section cutout.

   b. (Horizontal run in FIG. 11) "PW" is 36" (one 36" panel) and the side panel of the door section is on the opposite side of the 36" panel so add 1 3/8" and 36" to get 37 3/8" from the centerline of the corner for standard corners or add 1 3/8" on extedned corners, see Figure 2, to the edge of the door section cutout.

4. Determine the width of the door section cutout Door Width ("DW") by measuring the width of the transom from hinge side of door frame and adding 2 1/8". For example, if the transom is 36" wide, the door section cutout ("DW") is 38 1/8". (FIG. 11)

INSTALLING FLOOR PLATE

1. If necessary, cut the floor plate to length by cutting the side flanges with a tin snip and bending 4-5 times until the piece snaps off. (FIG. 12)

CARPET CONDITION

2. Peel off backing on nylon carpet gripper.

FIG. 10

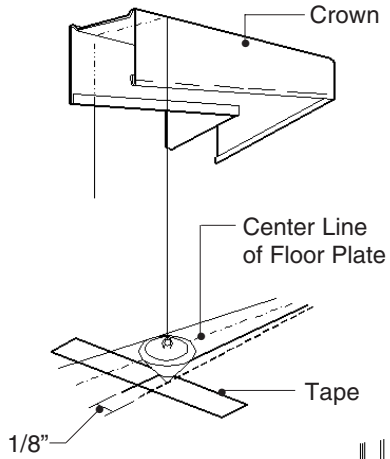
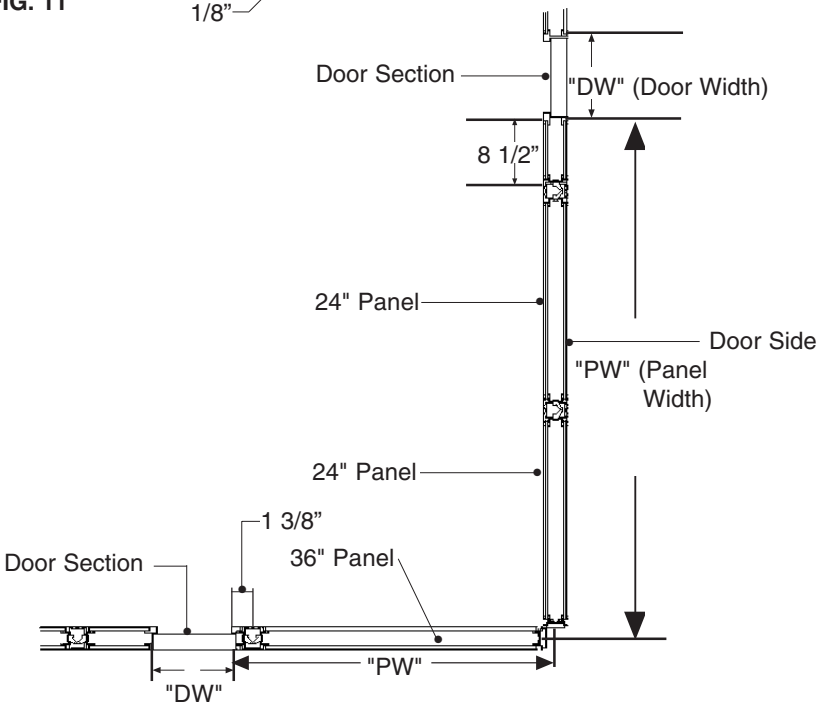
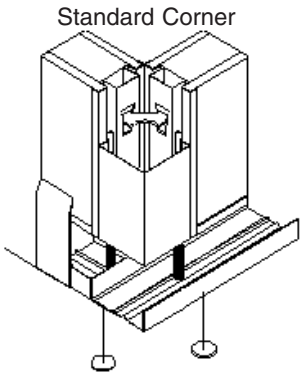
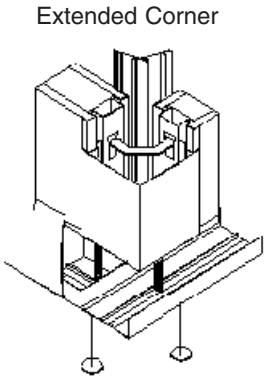


FIG. 11







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Apply carpet gripper to each floor plate. (FIG. 13 A)

3. Evenly space up to five (5) carpet grippers per section of floor plate. Once all carpet grippers are applied, press section of the floor plate to the floor along the layout line that is plumb to the crown. (FIG. 13 B)

IMPORTANT:
Carpet Grippers should always be applied as near to each end as possible and spaced uniformly along the floor plae layout line. Generally two (2) Carpet Grippers are provided per each panel ordered, independent of panel width.

NOTE:
Each standard 12' (144") floor plate length when ordered separatelly, is provided with five (5) Carpet grippers based on a nominal 3' (36") recommended spacing betwen grippers. Each standard 6' (72") floor plate length, when ordered separately, is provided with three (3) Carpet Grippers.

NON CARPET CONDITION

4. Place two strips of double-face tape (upon request) on the bottom of each floor plate. Remove the protective paper backing from the tape. Press sections of the floor plate to the floor along the layout line that is plumb to the ceiling crown. (FIG. 14)

5. Where the floor plate is installed at a corner, place one floor plate at least 1/2" back from edge and butt the floor plate from the other direction against the first piece of floor plate. (FIG. 15)

6. Where the floor plate is installed in a T-condition, simply butt the floor plate of the leg of the "T" against the straight run of floor plate. (FIG. 16)

7. Continue this procedure until all floor plates are attached to the floor.

INSTALLING WALL CHANNEL

1. Determine from layout the location of all wall channels.

2. The wall channel is to be 3" above the floor. Use the crown as a guide by placing the wall channel on the floor and marking it where it comes to the bottom of the

FIG. 12

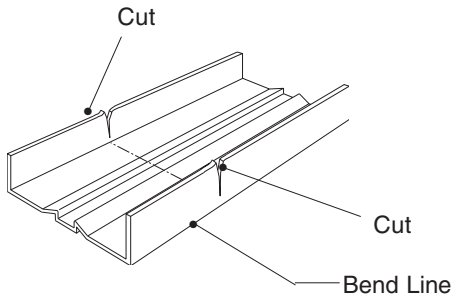


FIG 13

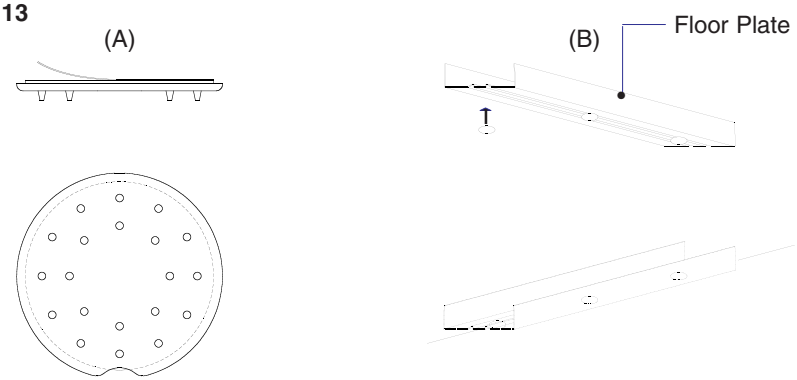


FIG. 14

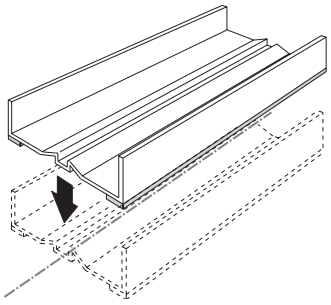


FIG. 15

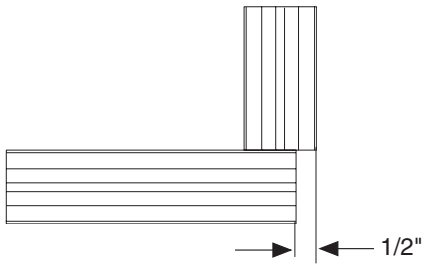
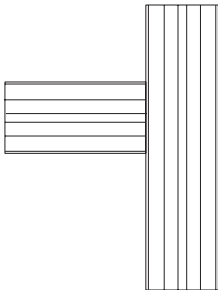


FIG. 16



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crown. If there is no room to stand the wall channel next to the crown, measure the distance from the bottom of the crown to the top of the floor plate. (FIG. 17)

3. Cut wall channel as described for floor plate in "INSTALLING FLOOR PLATE, Step No. 1.

4. Slide the wall channel into the crown, make sure it is plumb, and attach to the wall with an appropriate fastener for the type of wall it is attached to. Use at least four fasteners to secure the wall channel to the wall. (FIG. 18)

FIG. 17

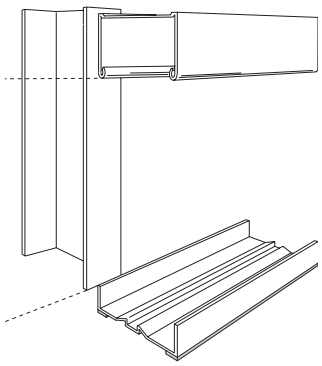
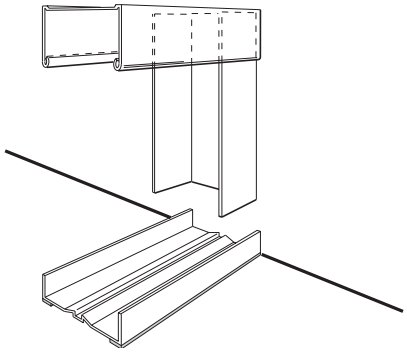


FIG. 18



SOLID & GLASS PANELS

IMPORTANT:
Before installing panels that will support a **Component Mounting Rail, install a 1/2" nut on the leveling bolt. The leveling bolt must be removed, the 1/2" nut placed on the leveling bolt, and the leveling bolt reinstalled on the panel. After the panels are installed and leveled and plumbed, tighten the 1/2" nut against the panel. (FIG. 19)**

1. Extend leveling bolts of panel to a length of 3 1/4" (3.25").

2. Start installation of the panels in a preformed corner where panels will have better stability. (If a corner is not used in the layout, start attachment at the wall. See "PANEL TO WALL CHANNEL.") Install panel by first sliding the panel into the crown, then setting the leveling bolts onto the floor plate. (FIG. 20)

3. Plumb and level the panel by adjusting the leveling bolts. (FIG. 21)

4. Set the second panel adjacent to the first and connect it with the bottom panel connector only. (Use extended corner connectors in extended corner conditions.) Lock connector by putting ends into panel slots then turning with pliers to lock it

FIG. 19

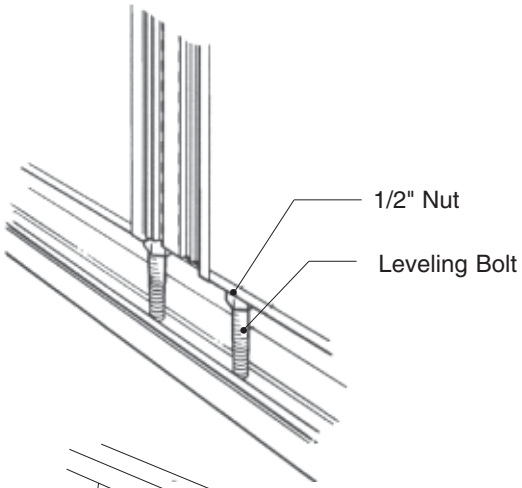
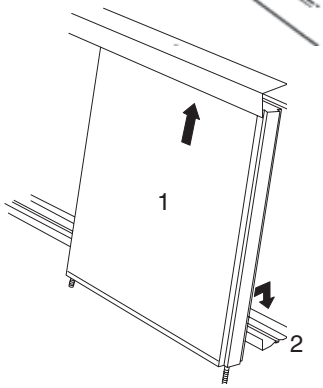


FIG. 20



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into place. (FIG. 22)

CAUTION:
Do not bend or misalign clips. This can change the dimensions between panels and adversely affect pilaster installation.

5. Level and plumb the second panel to the first panel by adjusting leveling bolts. Install the remaining panel connectors. Twist connectors with pliers to lock into place.

6. Continue adding panels, leveling and plumbing, and connecting in the same manner as above.

IMPORTANT:
All the panel connectors must be facing the same direction to allow electrical cabling to run between the panels.

T-CONDITION PANELS AND EXTENDED T-CONDITIONS

1. In T-conditions, always install the panels in the following order:
   A. Ensure the first panel is in position and level.
   B. Install the next panel at 90 degrees from the first.

FIG.21

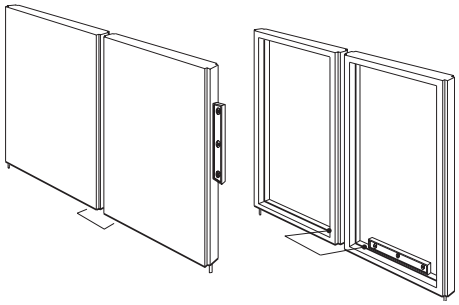
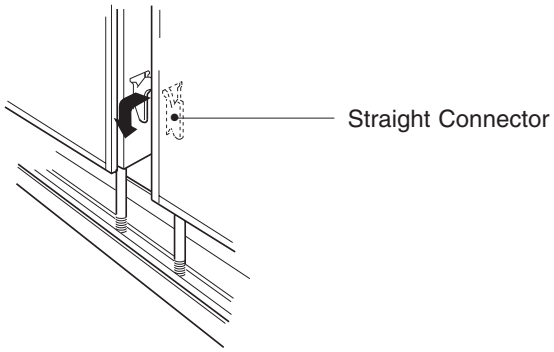
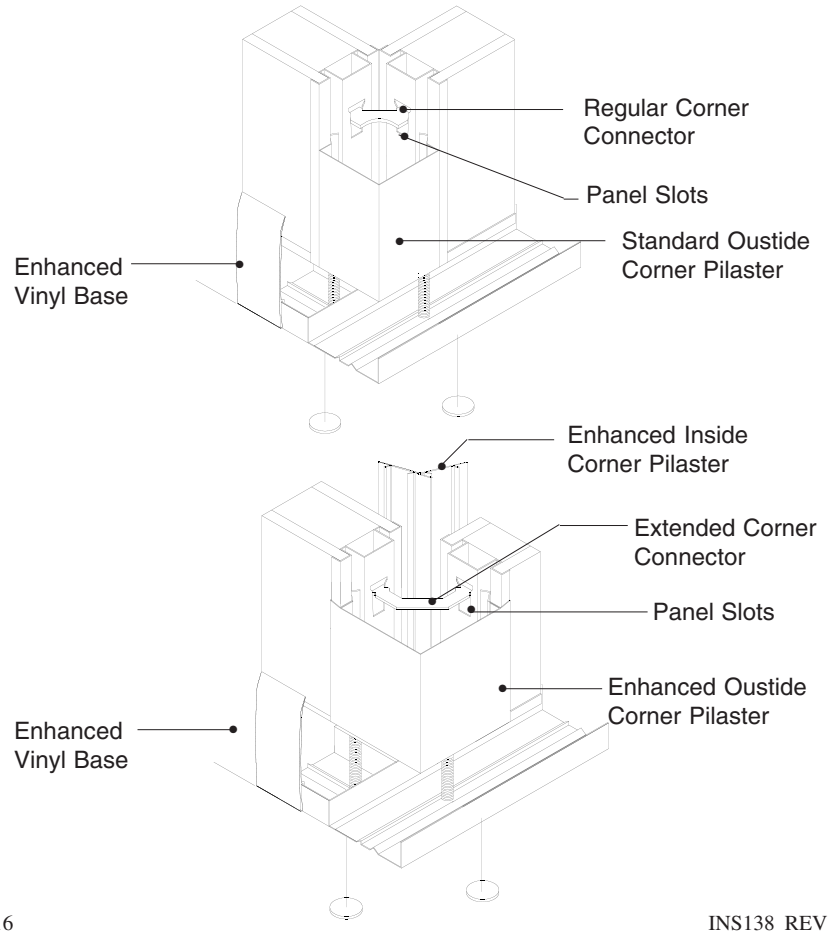


FIG.22





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C. Install the final panel in line with the first panel to complete the T-condition. (FIG. 23)

2. Level and plumb the panels as described in the section "SOLID & GLASS PANELS." (Refer to page 7.)

3. Install all the corner connectors for the first panel connection, then install corner connectors on top of the first set to complete the T-condition.

4. Place straight connectors into vertical rail windows to ensure proper spacing of in-line panels in a T-condition. (This step does not apply to extended corner conditions.)

PANEL-TO-WALL PLATE ATTACHMENT

1. Locate panel in the frame of the wall channel so that the edge of the panel face is 1 3/8" less than the nominal panel width from the wall. (FIG. 24)

2. Insert the panel to the wall channel.

3. Install the next panel in the run as described in the section "SOLID & GLASS PANELS."

FILLER PANEL-TO-WALL CHANNEL ATTACHMENT

NOTE:
The filler panel should be installed as the last panel section in the run.

1. To determine the width of the filler panel, measure the distance from the end of the

FIG. 23

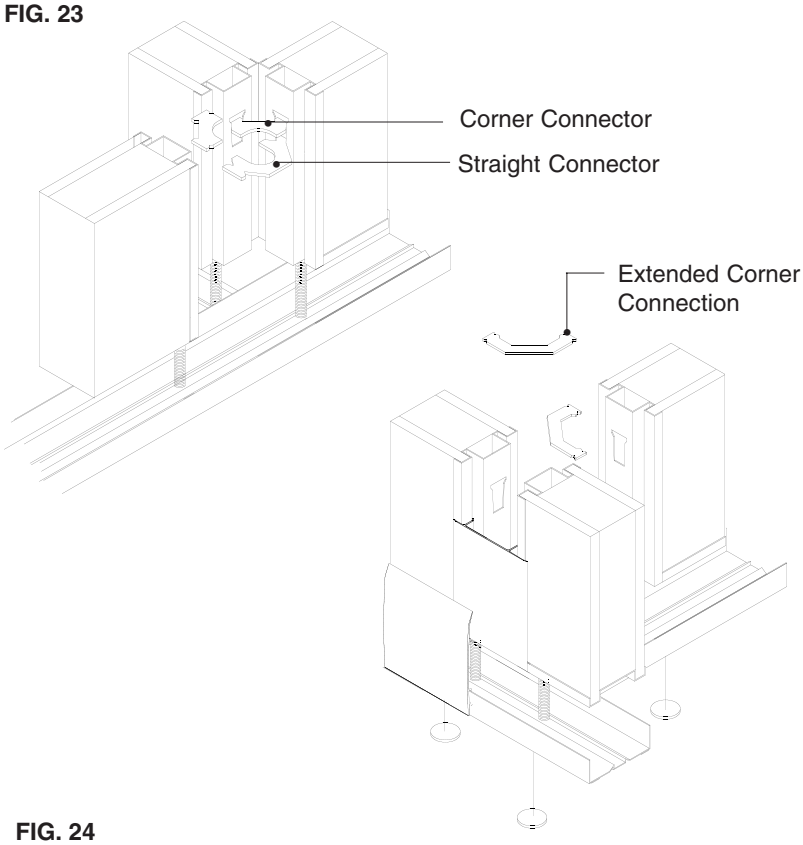
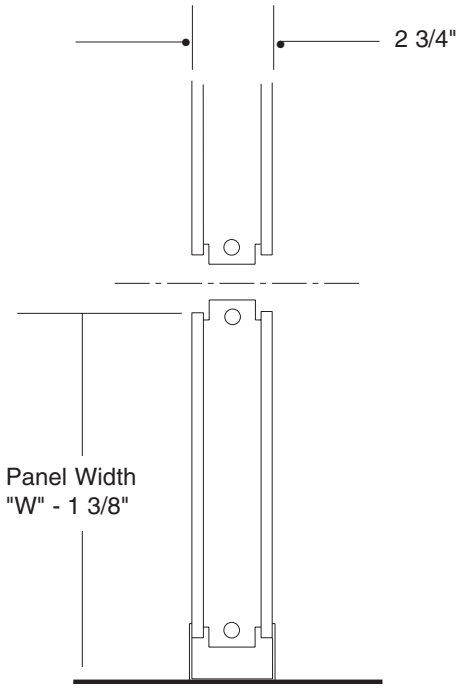


FIG. 24



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standard panel to the wall and subtract 3". (FIG. 25)

NOTE:
Panel connectors will clear 1" conduit

2. Score fabric 1/8" from cutting line and remove to prevent it from pulling when the filler is cut. Mask fabric to prevent penetration of gypsum dust. (FIG. 26)

   If the panel is vinyl on both sides, scoring is not necessary.

   Use a sabre saw to cut the filler panel to width.

3. Using a putty knife, spread legs of wall channel and slide end of filler panel with no side rail into the wall channel. (FIG. 27)

4. Install leveling plate under filler panel.

5. Raise leveling bolt of the panel so its connector openings are level with the openings in the adjoining panel.

6. Connect the adjoining panels by inserting panel connectors.

PROTRUDING WALL FILLER PANEL CONDITION

7. Cut Wall Channel to fit the contour of the wall.

8. Cut out back of Wall Channel to allow for overlap with the adjacent Wall Channel. (FIG. 28)

FIG. 25

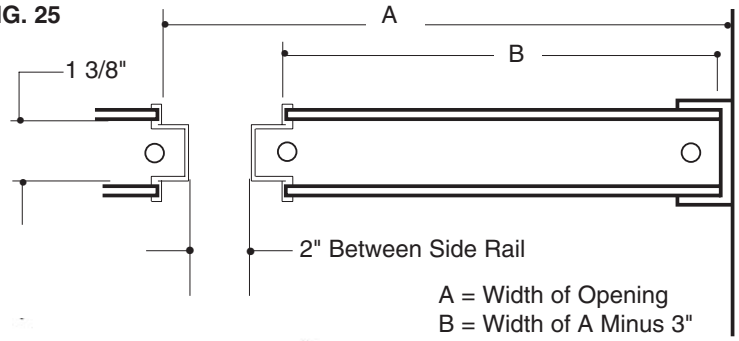


FIG 26

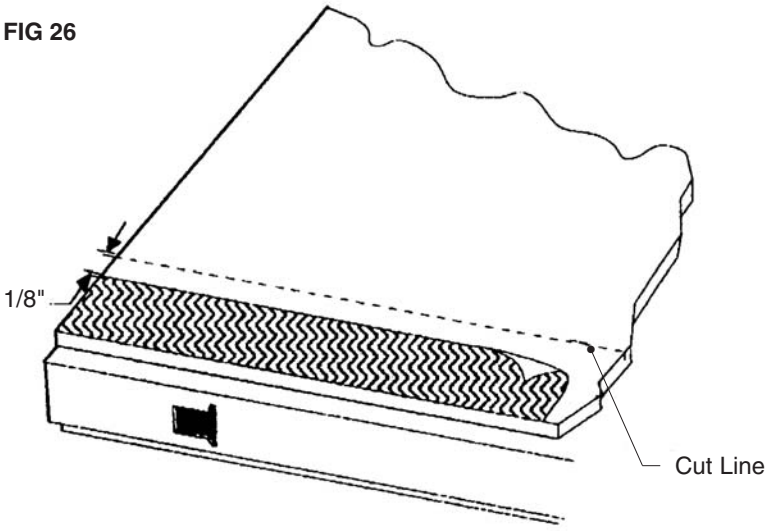
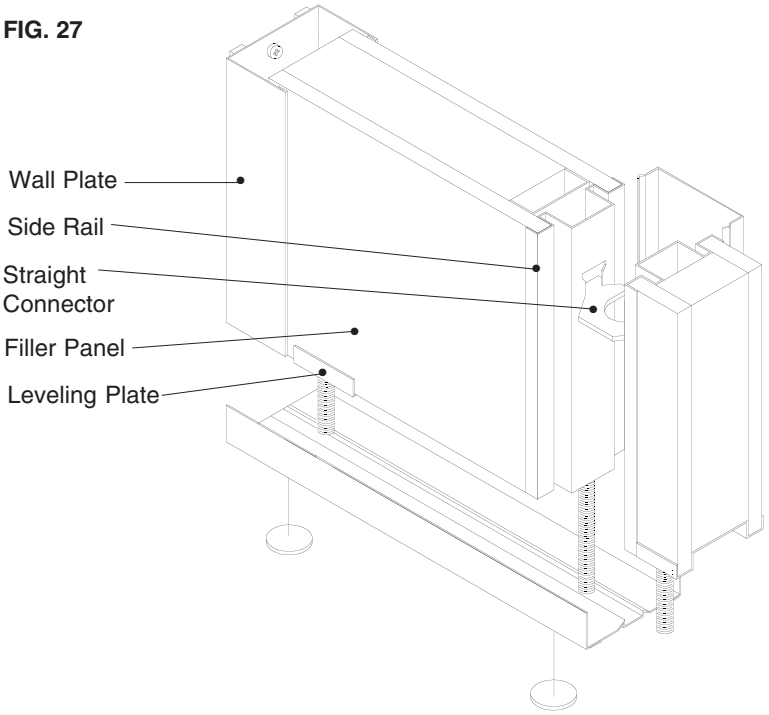


FIG. 27



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9. Ensure there is at least 1/2" to 1" overlap on channel. (FIG. 28)

10. Then anchor Wall Channels to permanent wall.

RECESS WALL FILLER PANEL CONDITION

11. Cut Wall Channel to fit the contour of the wall.

12. Cut out back of Wall Channel to allow for overlap with the adjacent Wall Channel. (FIG. 29)

13. Ensure there is a least 1/2" to 1" overlap on channel. (FIG. 29)

14. Anchor Wall Channels to permanent wall.

SINGLE-DOOR SECTION

NOTE:
Do not cut the tape holding the door closed until the door is standing.

1. Place the anchor bases at both ends of the cut-out in the floor plate. Drill through the floor plates and into the floor with a 5/32" (.156") dia. carbide tip masonry bit x

FIG. 28

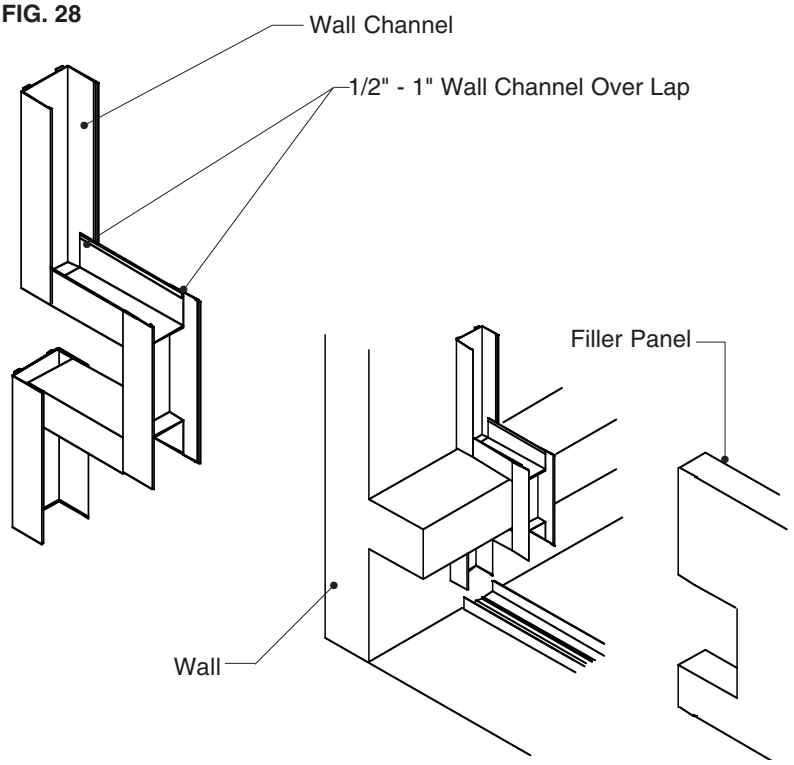
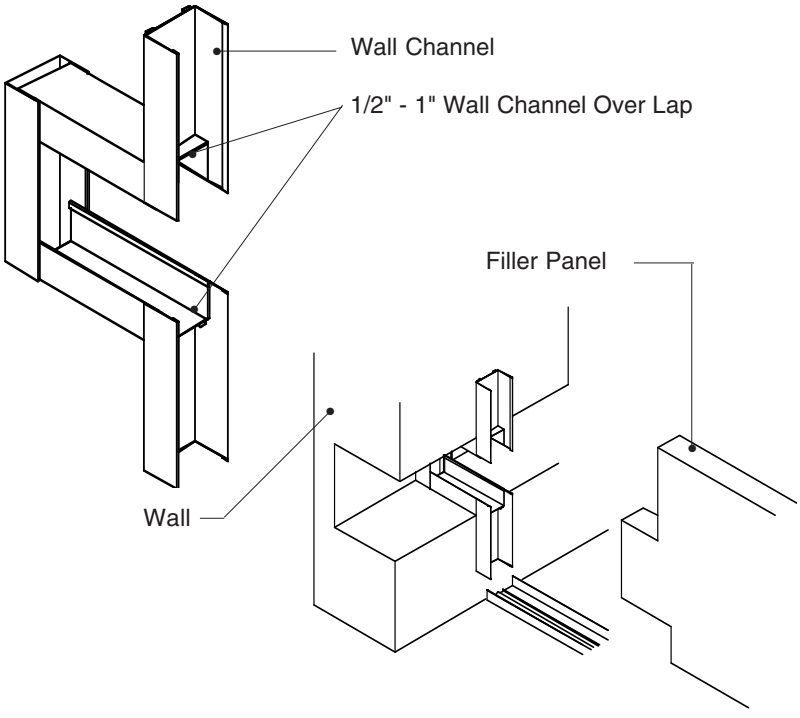


FIG. 29



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1 3/4” min. deep hole. Fasten anchor bases to the floor with 2 1/4” long concrete screws. (FIG. 30)

2. Temporarily lower leveling bolts 1 1/2" then lift pre-assembled door section into the crown, and set the door jambs against ends of floor plates. Connect the door side panel to the adjacent panels.

3. Tilt the "T" head of the jamb anchor and fit it inside the corresponding space of the door jamb. Hand-tighten 1/2"-long bolts and washers into the jamb anchor. (FIG. 30)

4. Adjust the door jambs so they are plumb and square with the leveling bolts. Then tighten the jamb anchor bolts with a socket wrench.

STABILIZER BRACKET

Recommended Installation Tools:

- Electric Screwdriver
- Phillips Head Screw Bits

NOTE:
Stabilizer Bracket (SITSB) is used to stabilize door sections and panels to the ceiling crown.

1. With the pilaster cover removed, position stabilizer bracket up and into the crown. (FIG. 31) Make sure the top of the bracket fits snugly in the crown and the lower portion is pushed completely onto the side rail so the screws can be driven into the side rail.

2. Secure the stabilizer bracket to the side rail using four (4) #7 x 7/16" long Drill Point screws.

DOOR HANDSET INSTALLATION

NOTE:
All doors and door units are shipped with door handsets disassembled and packaged.

5. Before mounting handset to door:

   1. Check the latch bolt hub location. It must be centered in the handset hole. (FIG. 32)
   2. Should the hub require repositioning, grasp the hub between the thumb and forefinger and slide to the correct back set position on the latch bolt body.
   3. Install handset using (2) screws supplied and check the open/close and lock/unlock operation as required.
   4. Refer to instructions in or on the handset carton for manufacturers recommended installation procedures.

6. Place flat blade screwdrivers between the door frames and the crown. Hold transom block so pre-installed screws are toward you

FIG. 30

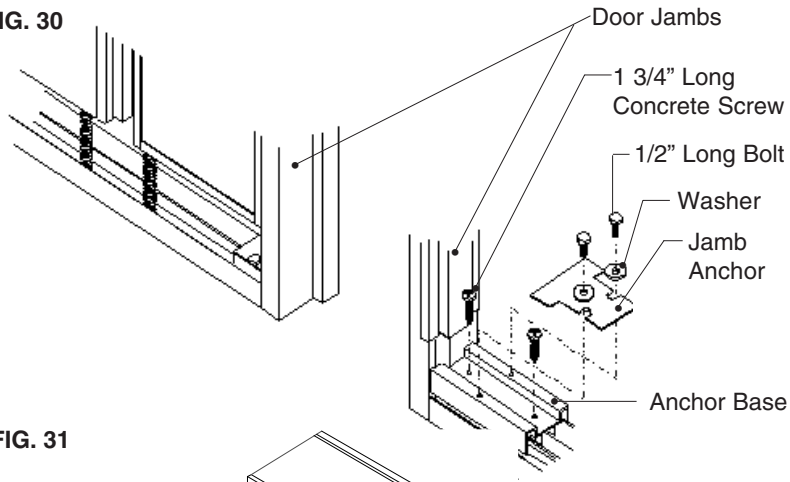


FIG. 31

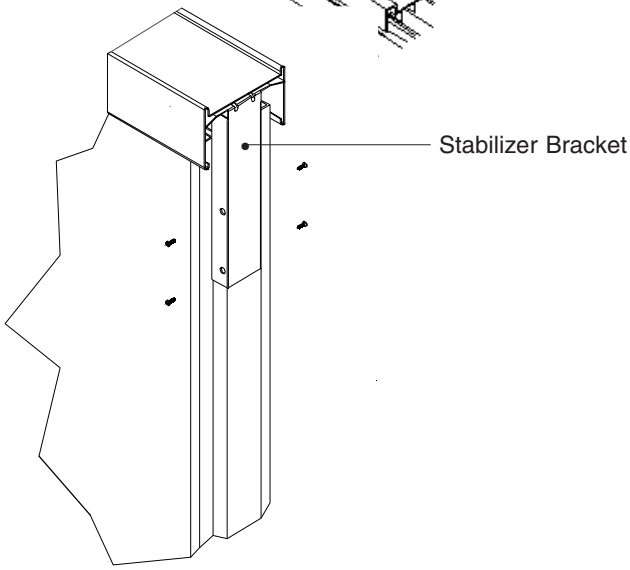
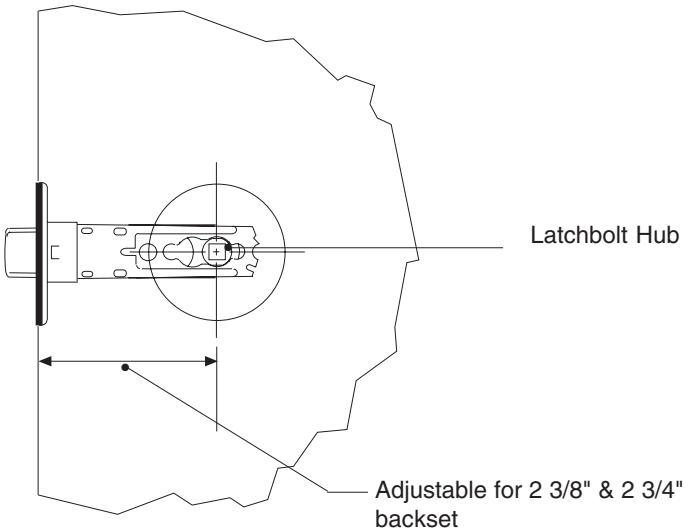


FIG. 32

Latch Bolt Hub Location



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(facing away from transom). Lift block into space between crown and transom. Let block drop so it is flush with bottom of crown. Remove screwdrivers. (FIG. 33)

COMPONENT MOUNTING RAIL

This assembly allows TrendWall panels to accept Trendway components.

NOTE:
Component mounting rail is for use with floor-to-ceiling panels only.

1. Check the level of panels that will support components. Once the panels are level, raise the 1/2" nut that is threaded onto the leveling bolt. Tighten this nut against bottom of panel.

NOTE:
This 1/2" nut must be installed on the leveling bolt before the panel is installed; otherwise, take the panel down to install the nut. (FIG. 34)

2. Remove pilaster from left and right sides of the panel that will support the component.

3. If required, cut component rail to same length as the panel side rail. Cut from top (unslotted) end.

NOTE:
Install the first component mounting rail at the high spot of the floor. This will ensure proper installation of all component mounting rails.

4. Hold the component rail with the unslotted end up. Press the component rail into the pilaster opening. Align the bottom of the rail with the bottom of panel, place worksurface support in slotted rail and adjust the component rail so it is "X" 7/8 inches from the floor. Center the component rail in the opening then fasten with #8 x 3/4" drill-point screws through the predrilled component rail holes. (FIG. 35)

NOTE:
When fastening the component mounting rail, all mounting holes must be used.

5. Hook a support bracket into the installed rail. Hook a second support bracket into the rail that is to be installed in the opposite pilaster opening.

6. Hold loose rail in the opposite pilaster opening. Place a level between the support brackets and level the loose rail. Fasten rail to panel side rails with a #8 x 3/4" drill-point screw into each mounting hole. (FIG. 36)

FIG. 33

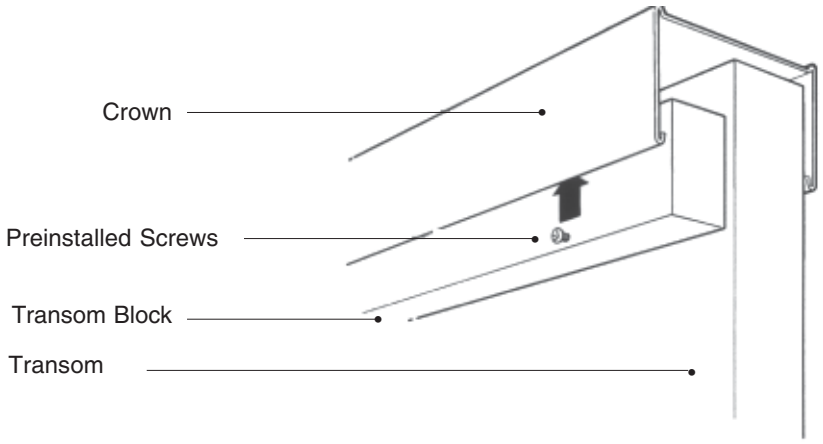


FIG. 34

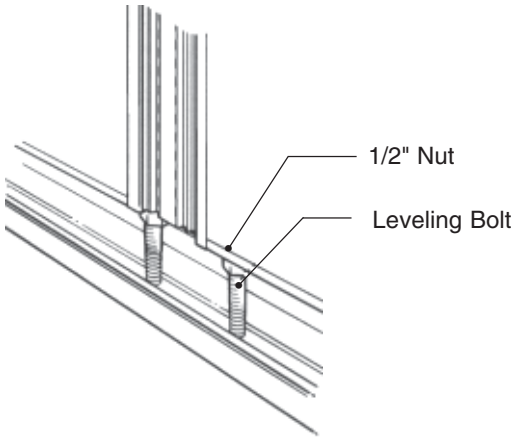
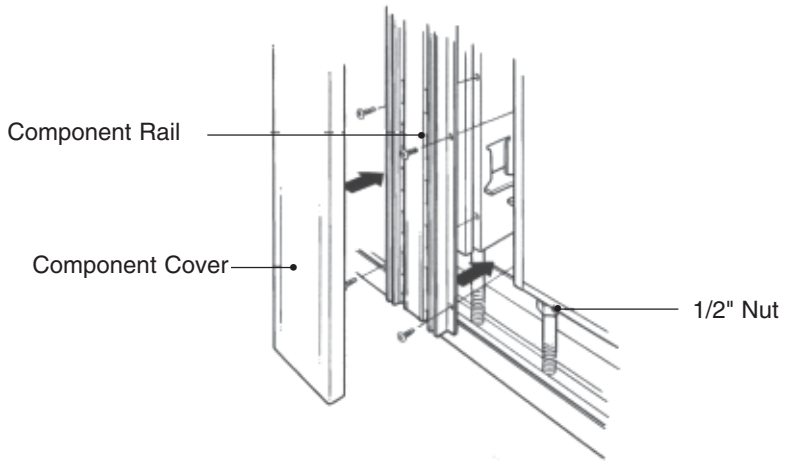


FIG. 35



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7. When both component rails are attached and leveled, remove the support brackets. Use the palm of your hand or a nylon hammer to tap vinyl pilaster covers into place over component rails.

8. Slit vinyl pilaster so the support bracket hooks can be pushed through the pilaster to reach the slots of the component rail. (FIG. 37)

COMPONENT MOUNTING RAIL WITH ELECTRICAL BOX

1. Cut 15 1/2" off the bottom (slotted) end of component mounting rail if electrical is mounted at standard height or, if the electrical box or distribution module is already installed, measure the distance from the bottom of the panel to the top of the electrical box and add 1/2" and cut the component mounting rail to this length. For example, if the electrical box is located 12" from the bottom of the panel, cut the component mounting rail 12" from the bottom.

2. Install leveling slots from previously installed rail. (FIG. 36) Install so bottom of component rail is at least 1/2" above electrical box or distribution module.

NOTE:
If hardwired, a licensed electrical contractor must install all electrical components in the TrendWall system.

3. If hardwired, install electrical box (Appleton M1-250 Raco 690, Steel City GW125, or equivalent) against bottom of component rail. (FIG. 38)

4. When necessary, install an outlet or switch cover. **Note:** If the modular electrical punch out is provided and the switches and duplexes are Leviton Decora devices, a cover is not required.

5. Straight connector will allow for 1" conduit.

PILASTERS

1. When all panels are installed, go back and install corner pilasters into 90° conditions and straight pilasters into 180° conditions. Squeeze pilaster in between two panels at the top. Push pilaster up into the crown until it is

FIG. 36

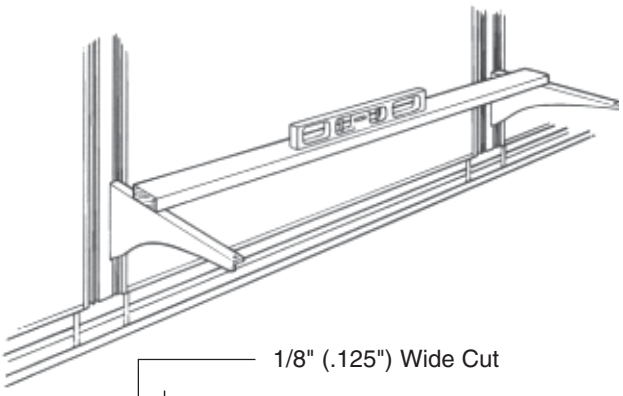


FIG. 37

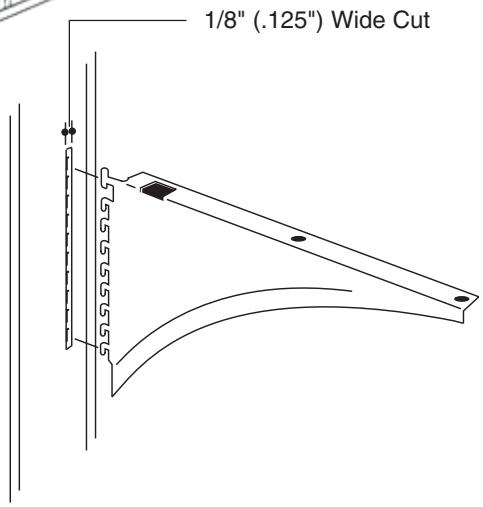
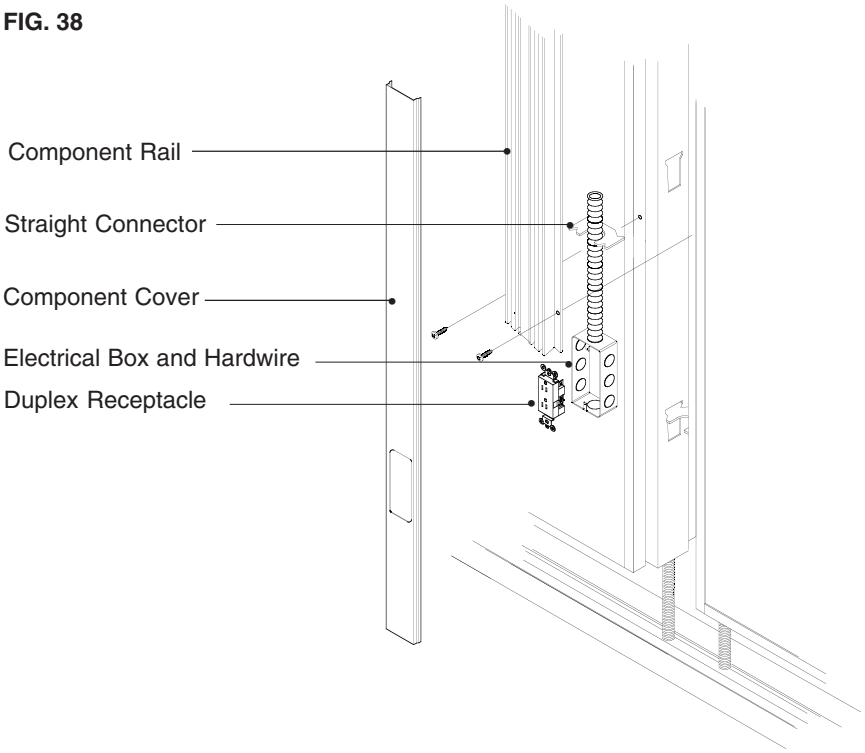


FIG. 38



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lined up with the bottom of the panel. Be careful not to peel the vinyl or fabric from pilaster and tap into place with a non-marring mallet or by hand. (FIG. 39)

2. To remove pilasters, start at the bottom and twist to remove.

BASE COVER

1. Start with preformed corner and work towards wall or door section. Press the tab on the back of the base cover onto the raised lip of the floor plate.

2. If the base cover needs to be shortened, score the face of the base cover using a straight edge and a utility knife. Cut the flexible trim piece at the top and bend back to break the face. Then cut the back tab with the utility knife.

3. To determine length of base cover to be cut, measure from the adjacent base cover to the wall or the door jamb ("Dimension A"). Cut the base cover as noted above. Trim the back tab 1 1/2" from edge of base cover at the door section. (FIG. 40)

4. To install the base end cover, place a piece of double faced tape in the notch of the end, remove the protective paper and place the end in place at the edge of the base cover and press firmly into place. (FIG. 41)

INSTALL GLASS IN GLAZED PANELS

NOTE:
Glass is supplied locally, not by

FIG. 39

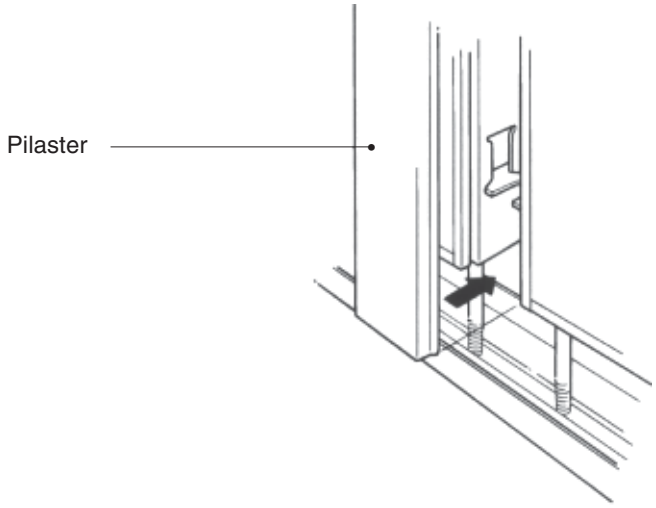
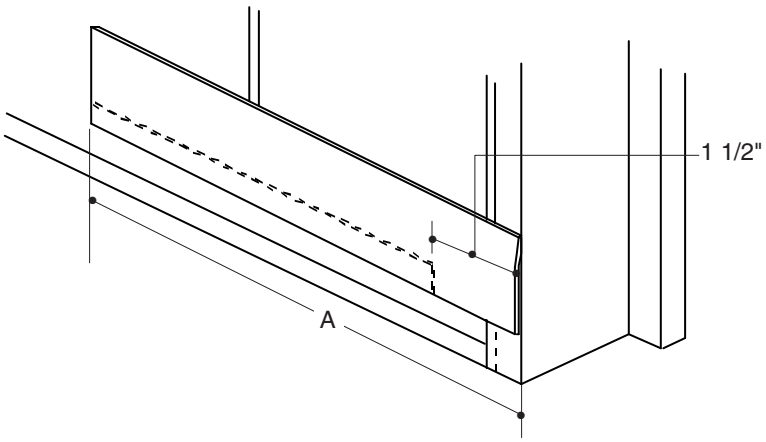


FIG. 40



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Trendway Corporation.

CAUTION:
Wear gloves when installing glass.

1. Press the glass into the frame against the factory installed female molding.

2. Position the bottom horizontal portion then the top of the male moldings, then position the vertical portions. Use a mallet and a wood block to tap the molding until firmly seated. (FIG. 42)

3. After molding is seated, make certain the soft vinyl seal is flat and smooth against the glass. (This can be accomplished by using an unfolded paper clip.)

FIG. 41

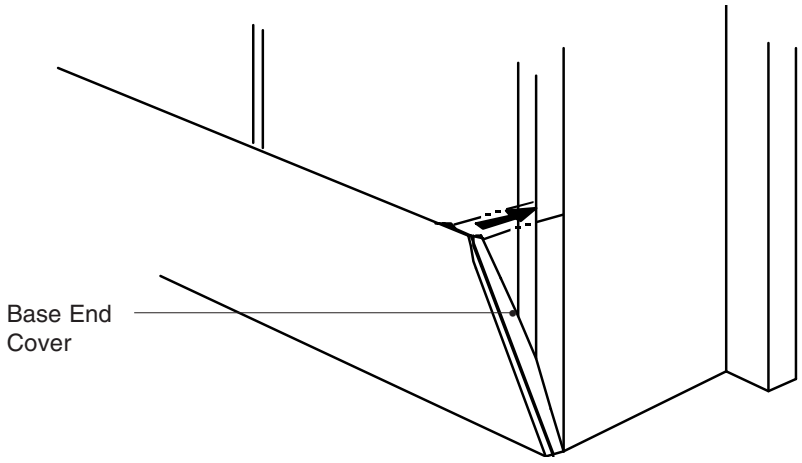

FIG. 42