



PARTITION SYSTEMS

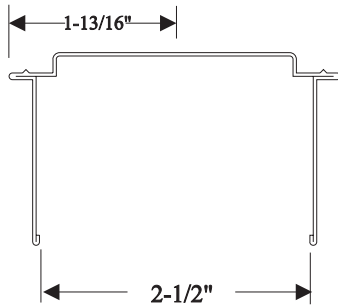
EDGE CLIP MOVABLE WALL SYSTEM STEP BY STEP INSTALLATION INSTRUCTIONS

STEP	DESCRIPTION
1	CEILING RUNNER
2	BASE TRACK
3	STEEL STUDS
4	STEEL FRAMING AT DOORS
5	STEEL FRAMING AT WINDOWS
6	PANEL LAYOUT AND CORNERS
7	VINYL COVERED PANEL INSTALLATION
8	ALUMINUM DOOR FRAMES
9	ALUMINUM WINDOW FRAMES
10	FINISHING TOUCHES
12	COMPONENT LISTING

1. CEILING RUNNER

1. Where to start...

Determine if the layout is to follow a building grid such as the T-bar ceiling or the window mullions. Mark on ceiling where the ceiling runner is to be located.



2. Mark for ceiling runner

Allow 1 13/16" from the centreline of ceiling runner so you can see the mark when you install the track. If layout does not follow a building grid, check to see if the room measurements are inside measurements or center to center.

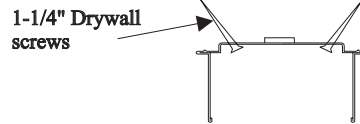
Note:

Since you must offset your marked layout on the ceiling 1 13/16" from the centreline of the wall, ALWAYS make sure you offset to the same side and put a small "X" on the side of the mark that will be covered by the ceiling runner.

3. Installing ceiling runner

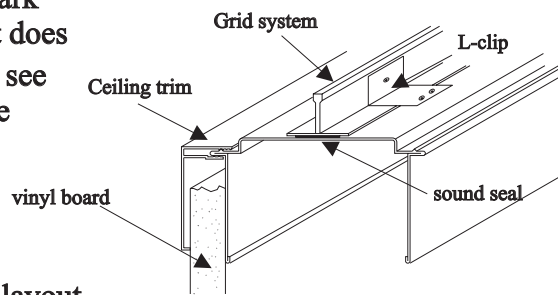
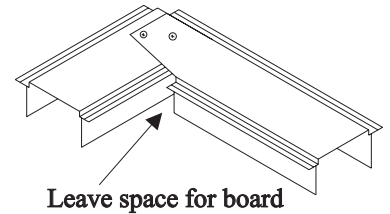
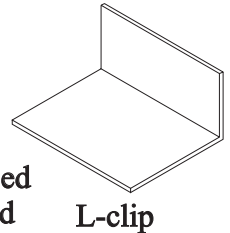
Because you have to hold a 10' length overhead, it will take an extra person to help hold the runner steady while fastening it to the ceiling. The ceiling runner is continuous over doors and windows. Cut the ceiling runner to required lengths with tin

Fastening to drywall



You can use toggle bolts to fasten the ceiling runner to a drywall ceiling, but two 1 1/4" drywall screws angled away from each other will do the job.

snips. Fasten the ceiling runner to the T-bar using the L-clips. L-clips are used to prevent grid system damage.



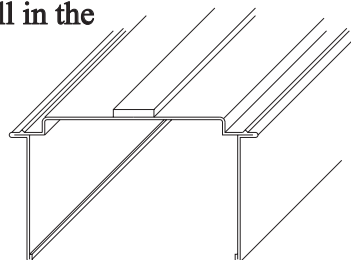
Section showing finished ceiling runner assembly with ceiling trim and board in place. The ceiling trim is designed to snap onto the ceiling runner directly.

Ceiling runner at corner
For added stability at corners cut, overlap, and screw together runners as shown.

Material requirements
For ease of identification, all partition components are illustrated on the back page for quick reference.

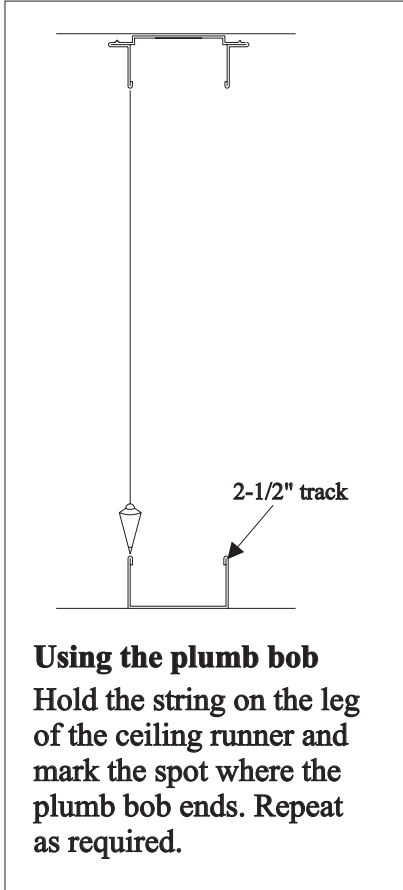
Sound and light seals

The PS-350 system outperforms standard walls in providing sound privacy. To obtain maximum benefit it is necessary to use closed-cell foam seals to fill in the spaces between the ceiling, ceiling runner, floor, base track, and wall junctions. Attach seals to the runner or track before installation. It is very important to have the sound seal even when applied over carpet.



Sound seal
Velcro hook tape: used to install floor track over carpet which has a loop pile.

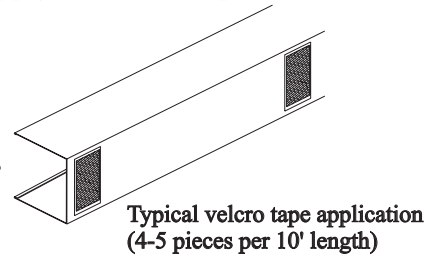
2. BASE TRACK



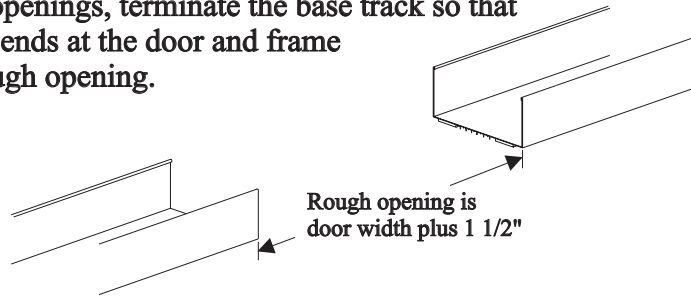
Installing base track

After the ceiling runner is installed, mark the location for the base track by plumbing down from the ceiling runner using a plumb bob (see drawing). Remember to apply the velcro tape and sound seal to the track before installing.

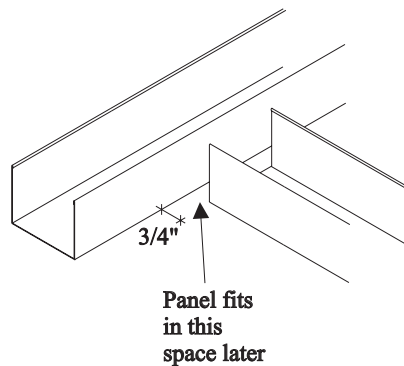
The base track runs continuous except at door openings:



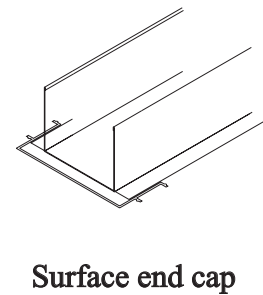
At door openings, terminate the base track so that the track ends at the door and frame width rough opening.



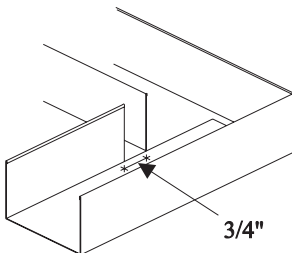
Track spacing at "T" intersection



End caps



At the exterior corner the flanges of the track must meet at the corner:

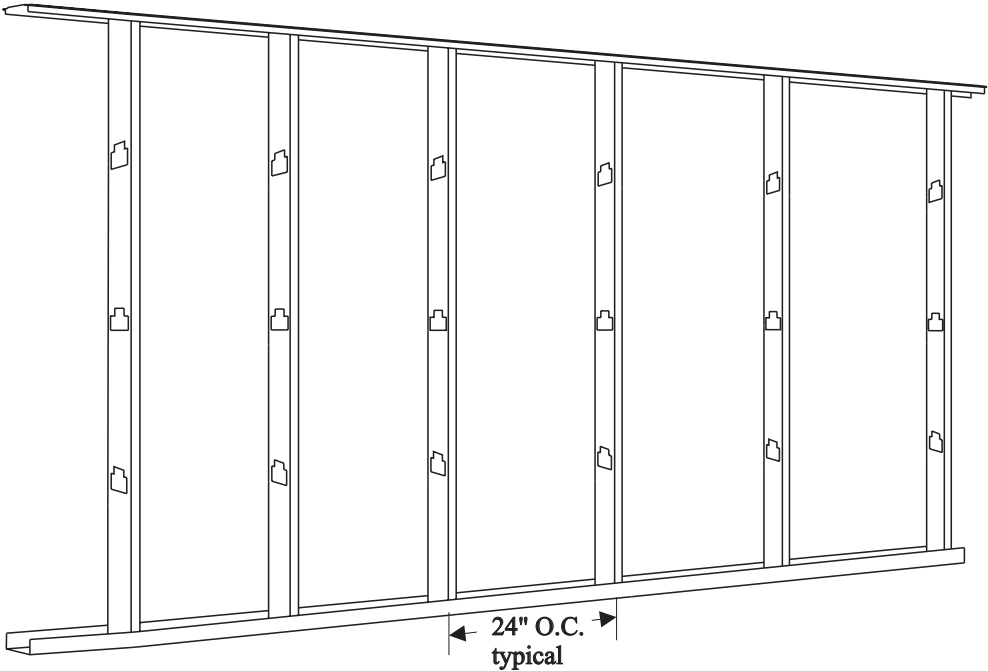


Cut out the base track as shown. The 3/4" space accommodates installation of panels later.

Battens or no battens

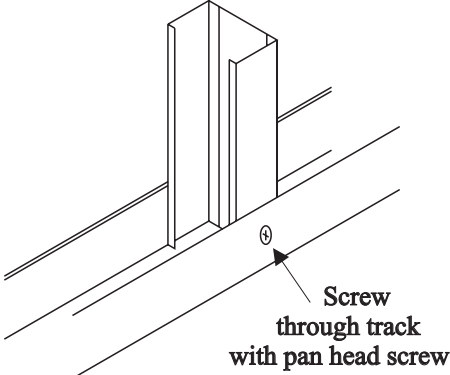
End caps and exterior corners are available as either screw-on surface mounted or as monolithic type. Monolithic type must be ordered vinyl laminated to match the vinyl faced panels.

3. STEEL STUDS

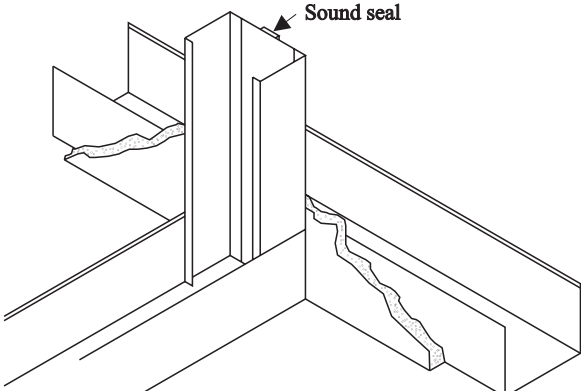


Installing studs

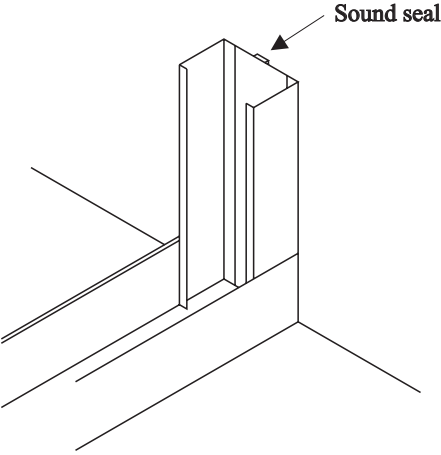
The PS-350 studs are made to friction fit into the ceiling runner and the base track. Just put the studs in sideways at an angle, push them up perpendicular and twist them until they are tight into the ceiling runner. Level and secure with screws at top and bottom.



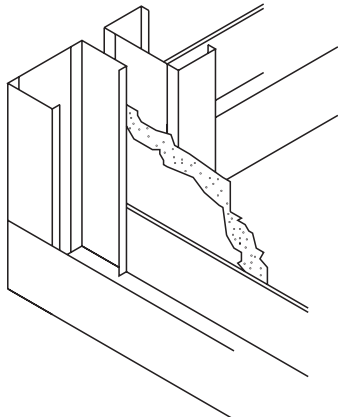
Studs at intersections



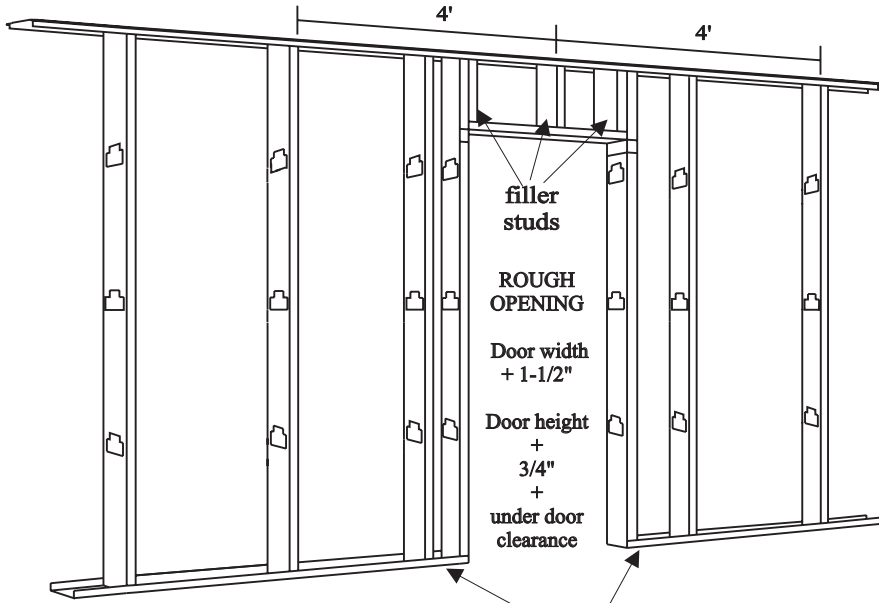
Studs at wall starts



Studs at corners



4. STEEL FRAMING AT DOORS

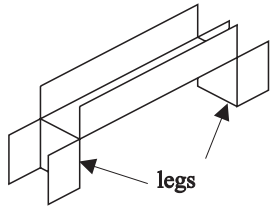


If mechanical fasteners are desired, ensure that the penetration into concrete is no more than 3/4"

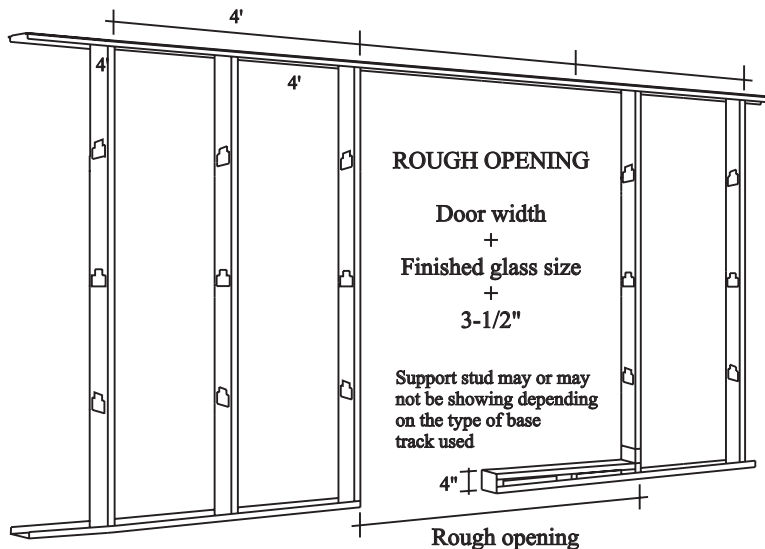
Rough opening for partial height door
Cut out a rough header as shown in the following illustration. Install the header with the cutout legs pointing downwards. Add filler studs for extra support.

5 Steps To Install Steel Studs

1. Fasten hinge side stud to the base track
2. Plumb hinge side stud and fasten to the ceiling runner
3. Measure over to jamb side stud at floor and fasten stud to track
4. Measure over to jamb stud at ceiling and fasten stud to ceiling runner
5. If it is a partial height door, cut rough header from base track and then install level with legs down at door height plus 3/4" above the finished floor plus underdoor clearance.



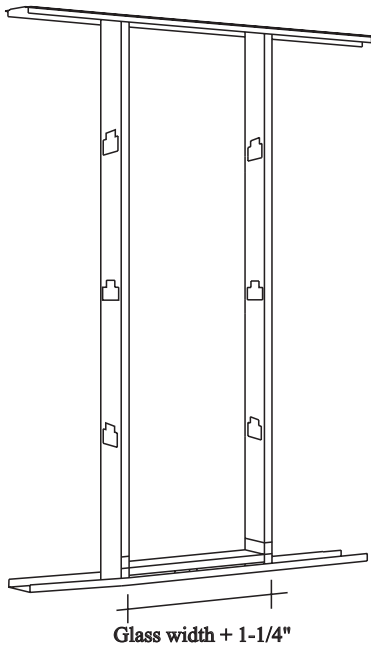
Rough header:
Cut out from a piece of 2 1/2" track to use as a header in the rough opening for the partial height door.
Fasten rough header to studs using 1/2" pan head screws. Header is set at door height plus 3/4" plus under door clearance.



Rough framing for full height door with sidelite

The rough opening should be the door width plus the finished glass width plus 3-1/2". The rough sill should be installed 4" above the floor as illustrated.

5. STEEL FRAMING AT WINDOWS

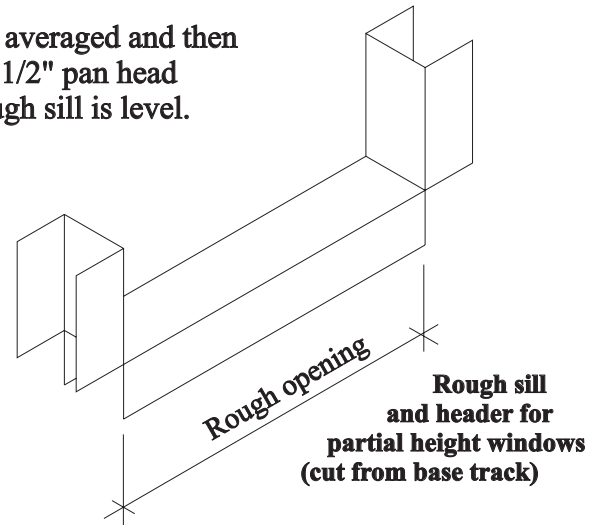


Framing for full height windows

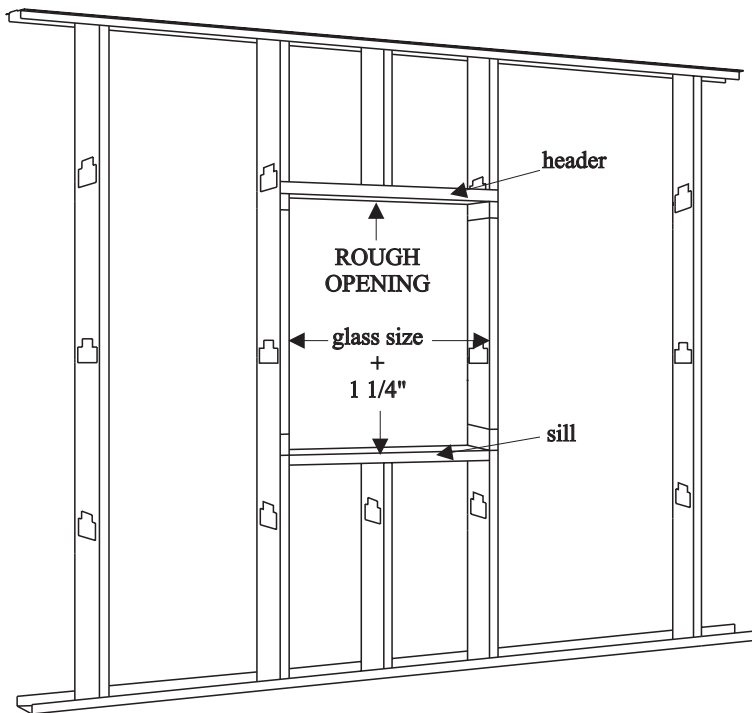
Studs at a full height window opening are plumbed in a similar manner as for studs at a door opening (see 5 steps). First, plumb and fasten one side and then the other. The rough sill (at the bottom of the window) is made from a piece of base track. This rough sill is fastened to the studs, levelled at 4" above the floor.

In order to accommodate variations in the floor level, the rough sill is friction-fitted into place and then levelled with a spirit level.

Measurements to the floor are averaged and then the rough sill is installed with 1/2" pan head screws. Make sure that the rough sill is level.



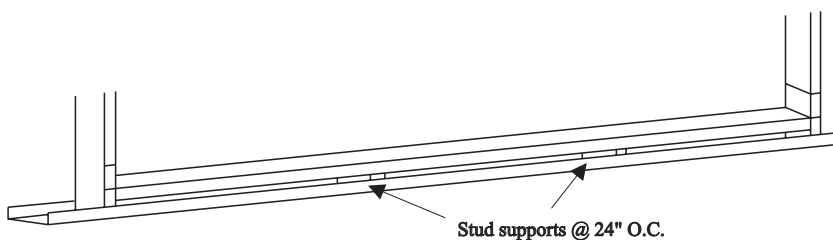
Rough sill and header for partial height windows (cut from base track)



Framing for partial height windows

Partial height windows or wicket openings are installed using base track for the rough sill and rough header. Vertical studs are plumbed and fastened using the 5 step method. For window openings over 24", extra studs are required above and below the opening. Make sure the sill and header are level before fastening to the jamb studs.

Rough opening size is finished window size plus 1 1/4" in both directions.

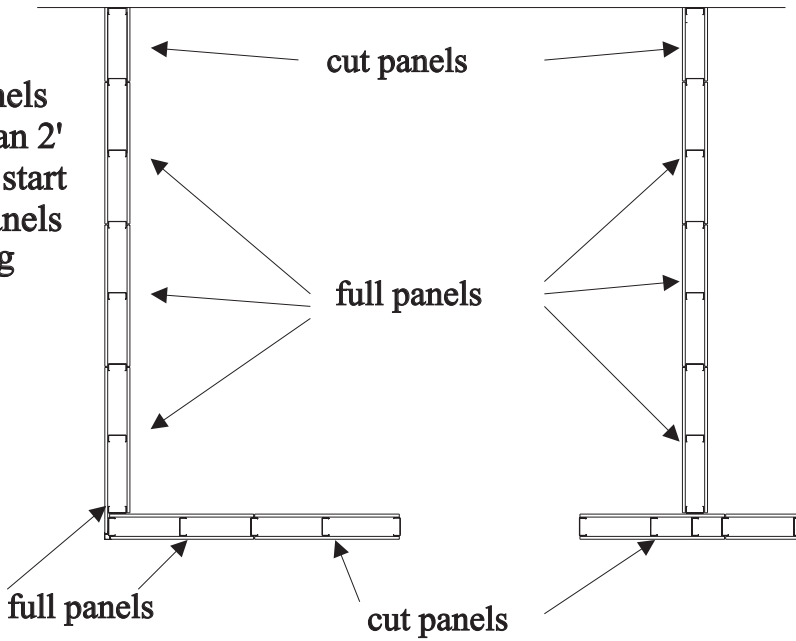


Continuous glazing

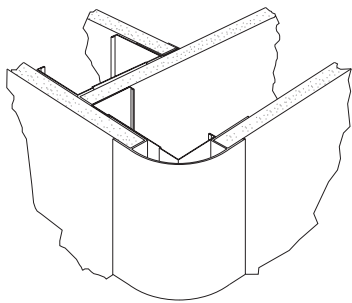
Where glazing is to be run continuously with a number of posts to divide up the glass into practical sizes, the rough sill is run continuously. No vertical studs are required for posts. The vertical posts are constructed later from the aluminum frames.

6. PANEL LAYOUT AND CORNERS

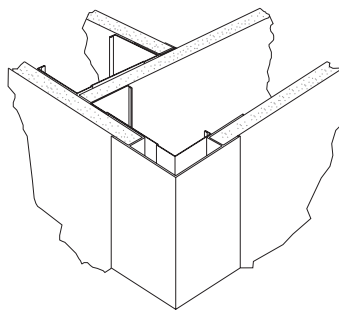
The correct panel layout:
If possible lay out the panels so that no panel is less than 2' wide. It is usually best to start at the corners with full panels and work towards existing walls and doorways.



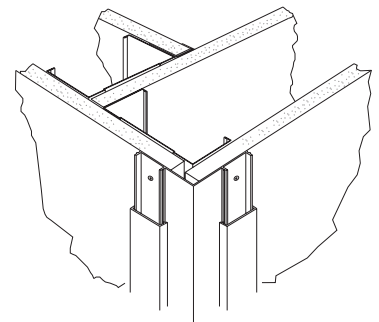
CORNER PIECES



Round corner



Square corner

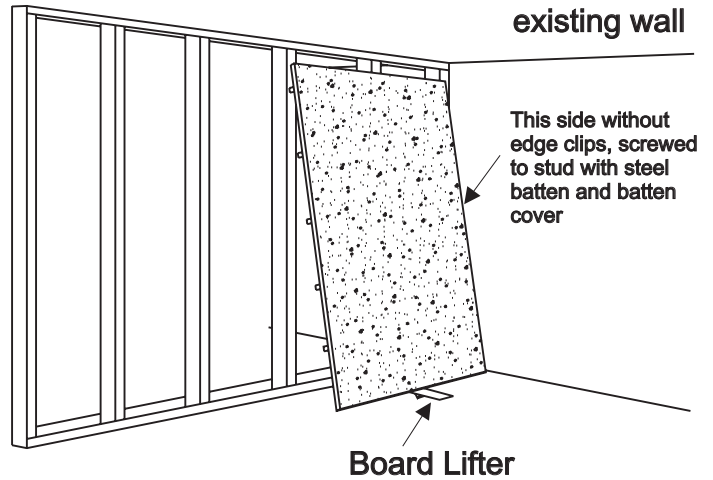
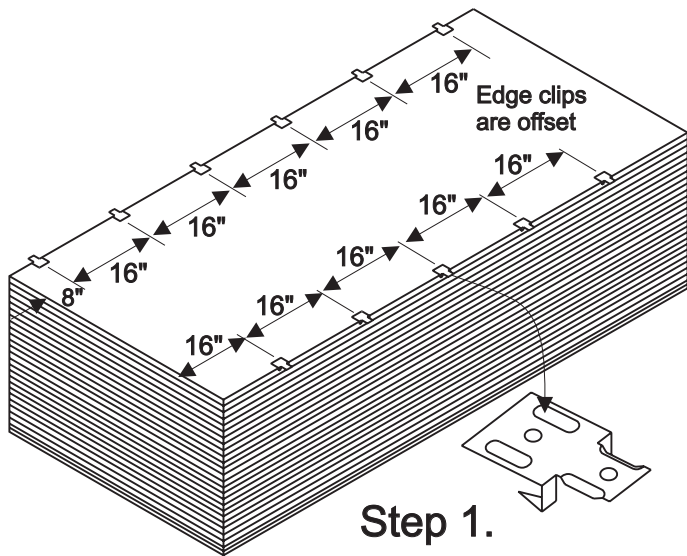


Surface corner

After installing the studs, the corner pieces are put in. Screw corner pieces into corner studs.

Note:
Surface mounted corners are installed AFTER wall panels are put in.

7. VINYL COVERED PANEL INSTALLATION



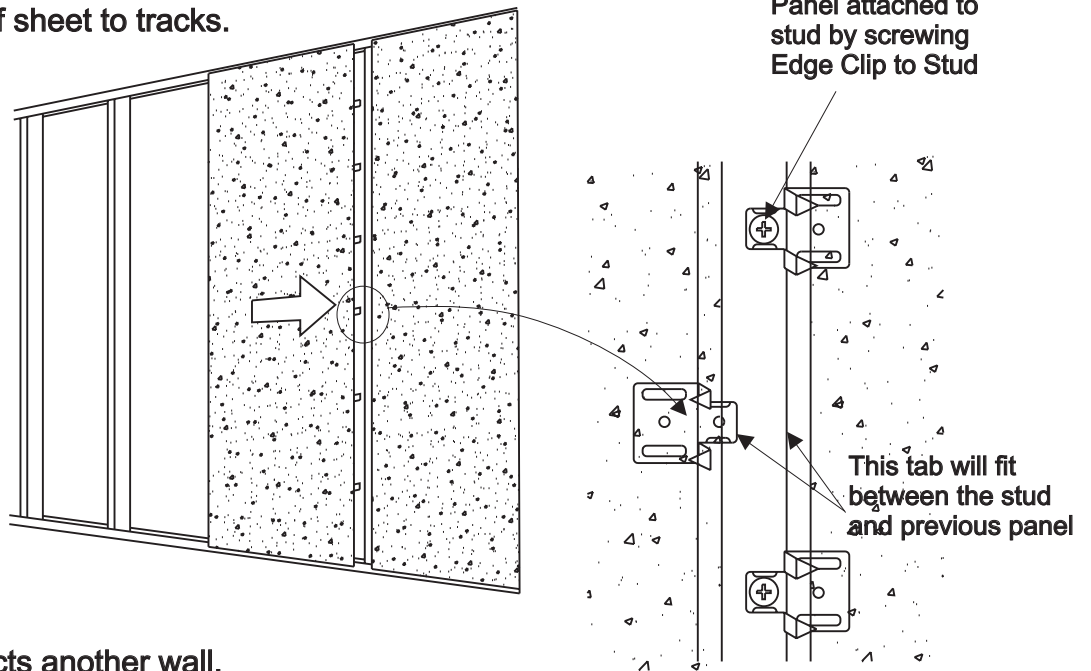
Cut the sheet to slightly less than the floor to ceiling height.
Install edge clips along the edges of the panel 16" O.C..
Offset the spacing as shown.

Step 2.

Panels against an existing wall are not clipped on the side against the wall. This edge is screwed to the stud with a steel batten and PVC batten cover. Screw top and bottom of sheet to tracks.

Step 3.

Consecutive panels are clipped on both sides. The protruding tabs are fit between the stud and previous panel as shown. The clips on the free edge are screwed to the stud.



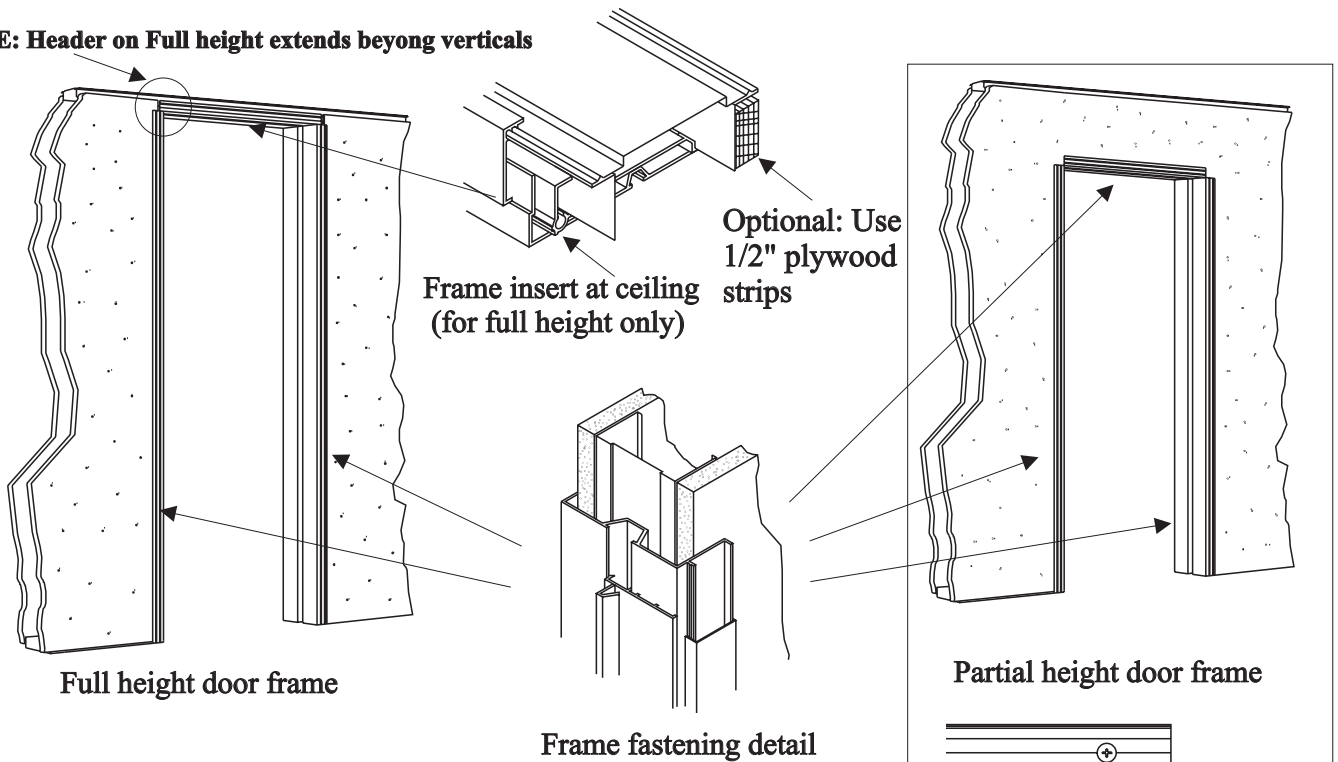
Step 4.

When the wall intersects another wall. The free edge is not clipped. It is screwed in place with a steel batten and cover.

Note: For increased sound control install PS-350 sound attenuation blanket between the studs after the board is installed on one side of the wall.

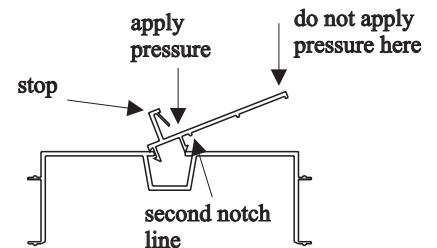
8. ALUMINUM DOOR FRAMES

NOTE: Header on Full height extends beyond verticals

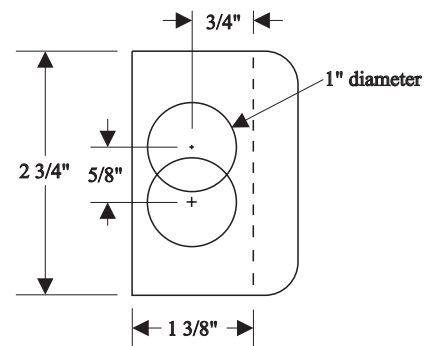


Installation Steps

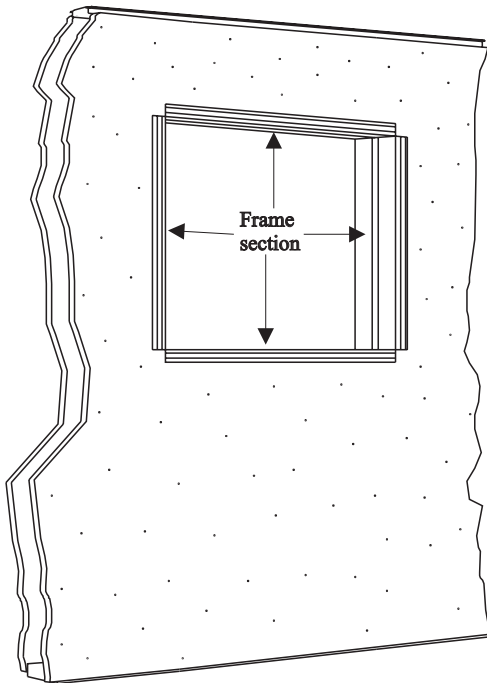
1. Cut aluminum jambs so they are fairly tight to the rough header. Install hinge side aluminum jamb plumb and true fastening at top and bottom only. If less clearance is required, cut off bottoms accordingly.
2. Place second jamb in position, but do not fasten.
3. Cut aluminum header $3/8"$ longer than the door width and push tightly to the fastened jamb. Place header between jambs $3/8"$ down from tops of jambs (see illustration). Use a carpenter square from secured jamb to header and fasten header at ends.
4. Measure header length to space bottom of jambs and fasten second jamb. Door frame should now be plumb and square.
5. Secure frame both sides with drywall screws 8" O.C. using straight edge on jambs to ensure they remain straight while fastening.
6. Install door stop into header first.
7. Next, determine door swing and hinge locations for site notching of the plastic door stop. Mark the corresponding hinge locations and remove by cutting the plastic back to the notch guide line located on the underside of the stop. Snap out and install into the frame.
8. Do not install the strike side door stop until the door is hung and the strike plate location is established. Cut out for the strike plate by following the above procedure.
9. With the strike plate location known, center punch and drill out the aluminum frame to accept the nylon strike plate using a 1" hole saw. Cut out as per illustration. File any rough edges and install strike plate using self drilling flathead screws.
10. Install strike plate side door stop.
11. Install header and jamb batten covers, mitering corners.



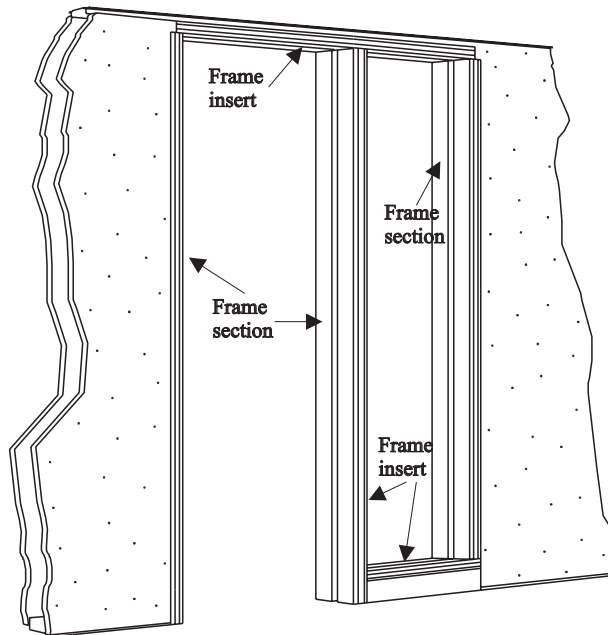
Helpful hint: A rag dampened with household detergent and rubbed over the securing ribs on the lower side will assist with installation



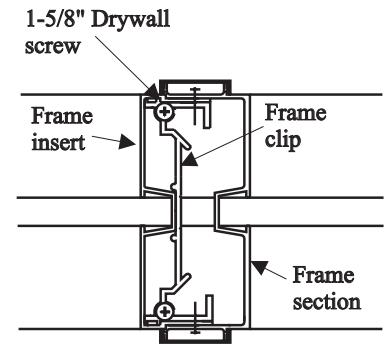
9. ALUMINUM WINDOW FRAMES



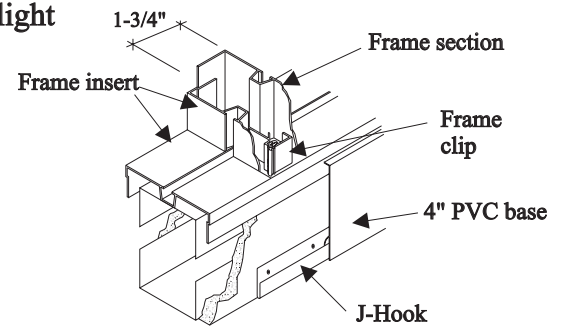
Partial height window



Full height door with sidelight



Detail of glazed post



Glazed post at base sill

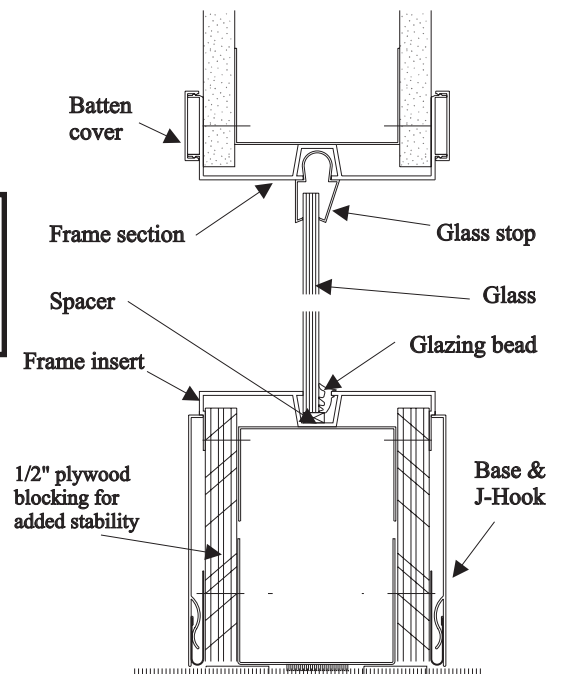
Installation Steps

1. Cut sill and header so they are fairly tight in width to the rough opening jambs. Install but do not fasten the sill and header.
2. Measure and cut jambs to appropriate length. Install but do not fasten.
3. Level and fasten the sill.
4. Square and fasten the jambs.
5. Bring header down, square and fasten. If full height frame, use frame clip on header, fastening frame insert and frame section @ 24" O.C.

NOTE: GLASS SIZE
Glass dimensions should be 1/8" less than the height, and 7/16" more than the width of the aluminum frame faces.

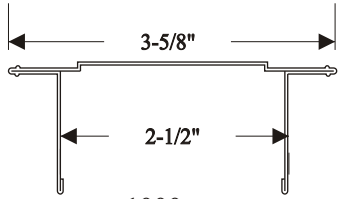
Glass Installation

1. Place wood or rubber spacers in sill channel.
2. Place glass stop on top of glass before installing.
3. Slide the glass into one of the jamb channels, then back into the other.
4. Push the glass stop into the header channel.
5. Install glazing beads along the sides and bottom to finish.

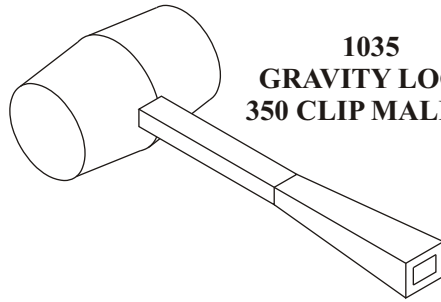


Section drawing of partial height window

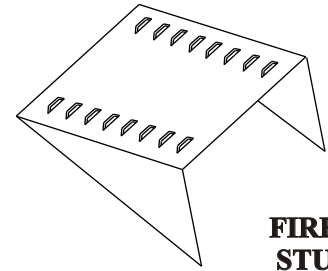
12. COMPONENT LISTING



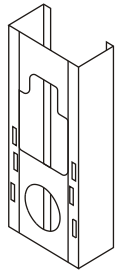
1000
CEILING RUNNER 10' lengths



1035
GRAVITY LOCK
350 CLIP Mallet

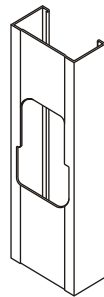


1305
FIRE RATED
STUD SHIM



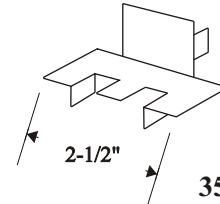
1010
PARTITION
TREE STUDS

8', 8'-6", 9', & 10' lengths

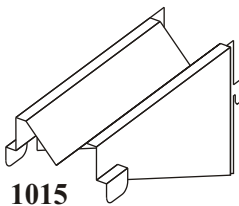


1200
V-LOCK STUD

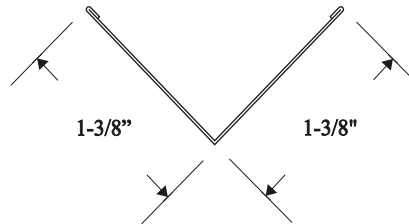
8', 8'-6", 9', & 10' lengths



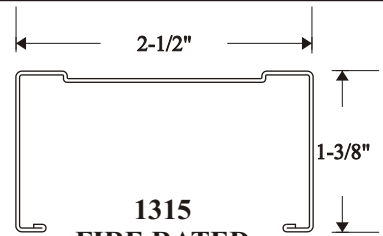
1310
FIRE RATED
350 STUD SPACER



1015
TREE STUD BRACKETS

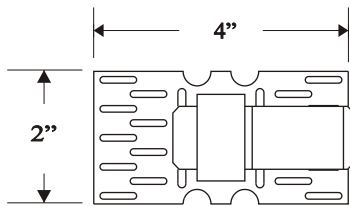


1205
V-LOCK BRIDGING 5' lengths



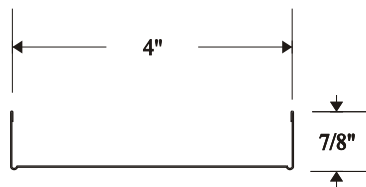
1315
FIRE RATED
350 STUD

8', 8'-6", 9', & 10" lengths

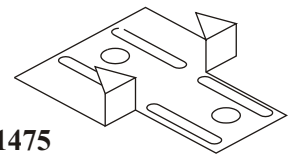


1020
GRAVITY LOCK
CLIP SET

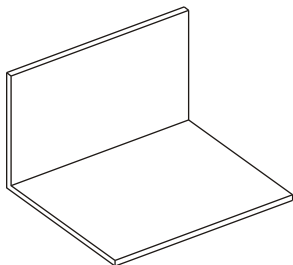
FINGERS: 2-7/16" TREE STUD
AND 2-3/16" V-LOCK (1210)



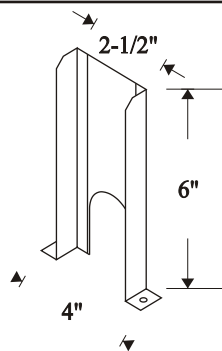
1215
WIDE BASE TRACK 10' lengths



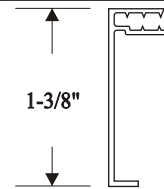
1475
EDGELOCK CLIP



1025
T-BAR
L-CLIP

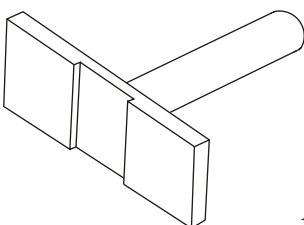


1220
ADJUSTABLE
BASE SHOE

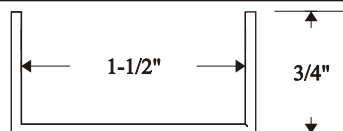


2000
CEILING TRIM

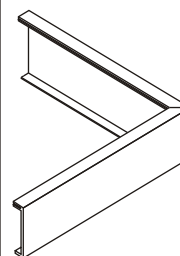
10' lengths



1030
GRAVITY LOCK
350 CLIP TOOL

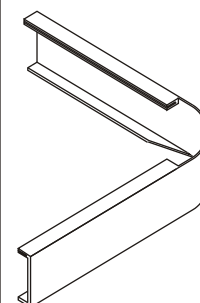


1300
FIRE RATED 350
REINFORCING CHANNEL 5' lengths



2010
CEILING TRIM
CORNER

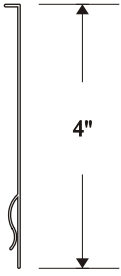
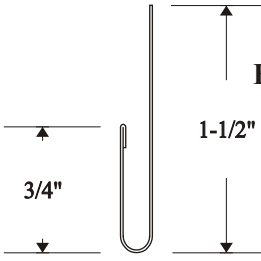
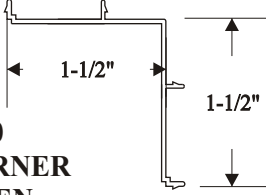
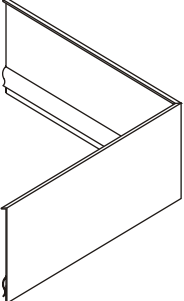
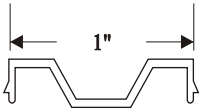
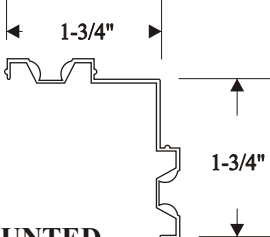
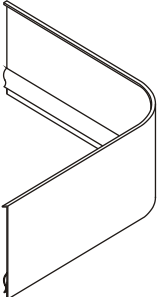
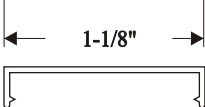
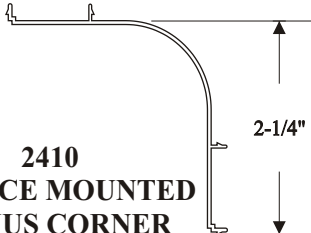

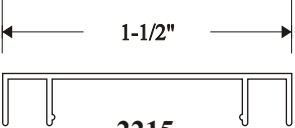
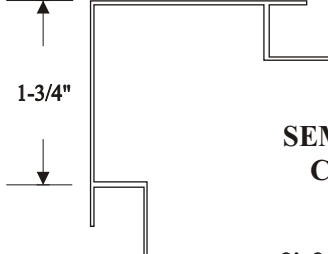

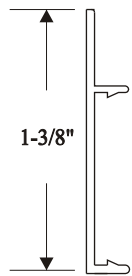

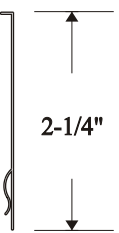
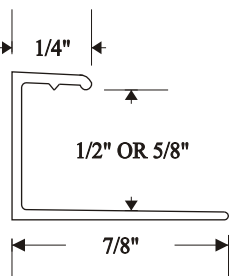
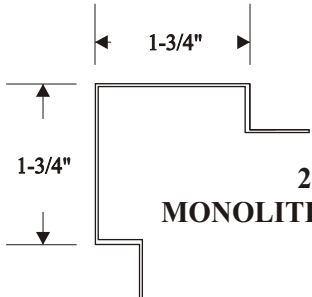
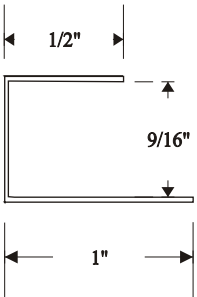
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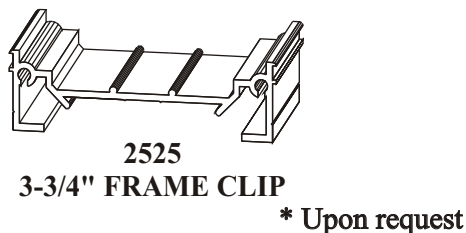
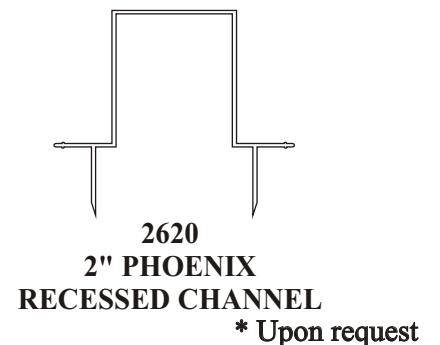
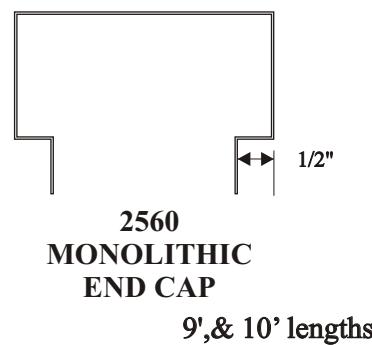
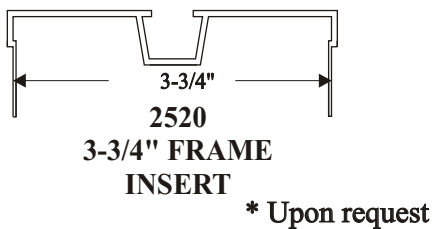
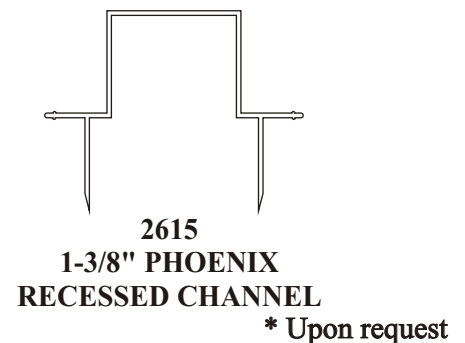
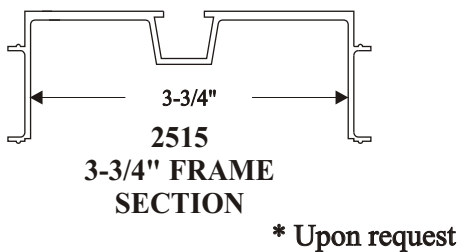
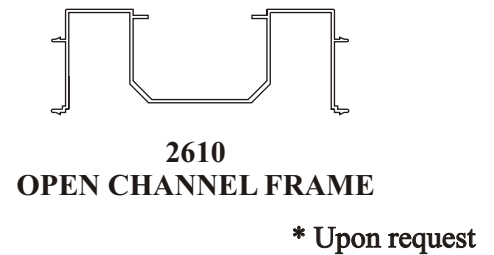
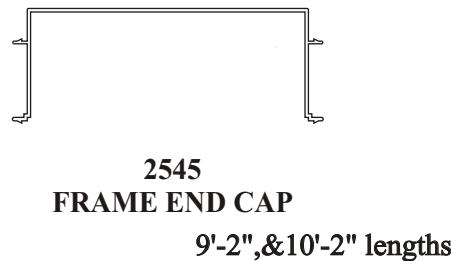
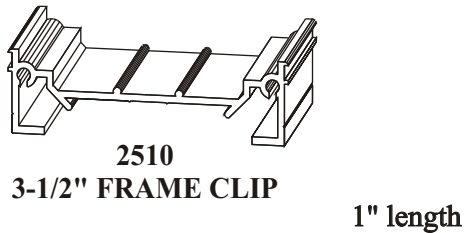
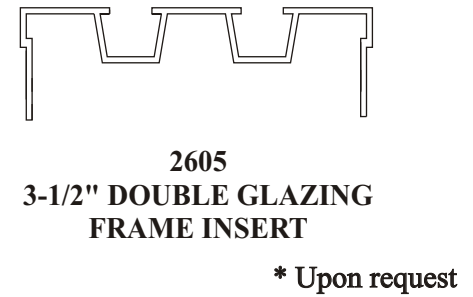
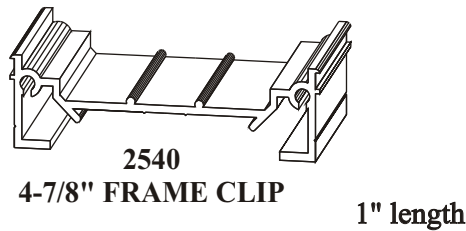
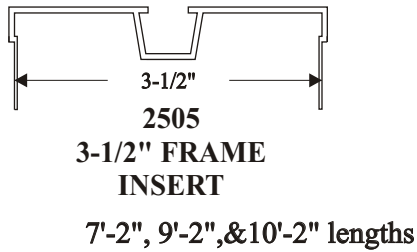
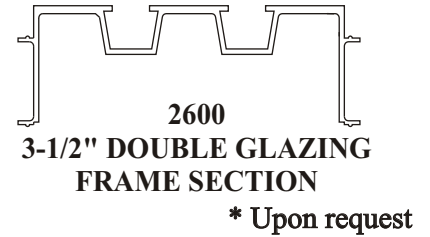
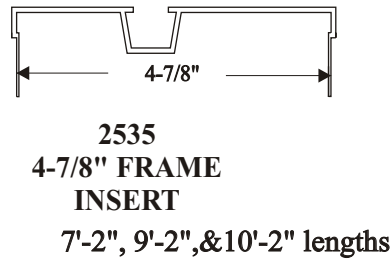
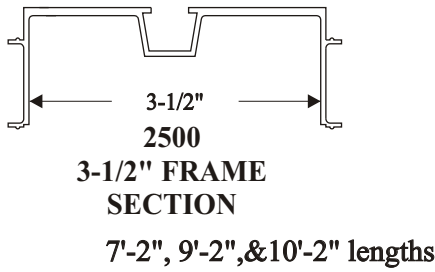
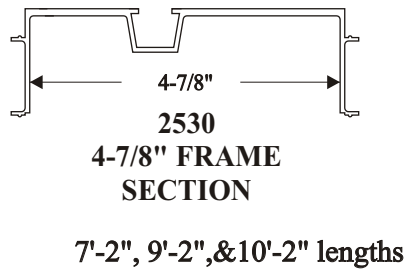
2020
CEILING TRIM
RADIUS CORNER

12" x 12"

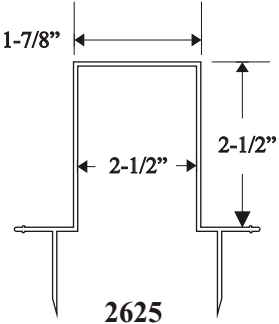
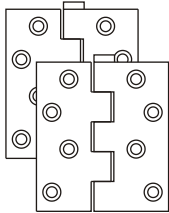
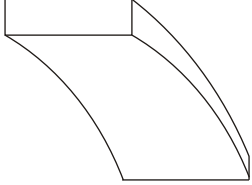
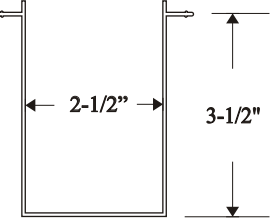
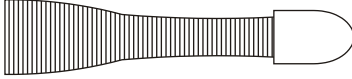
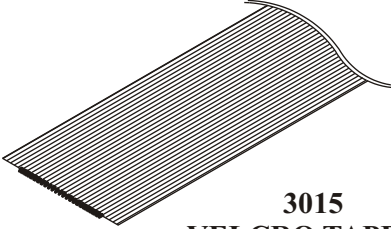
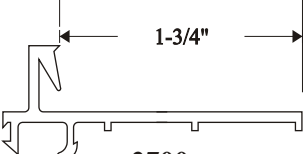
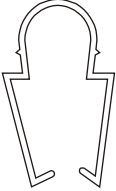
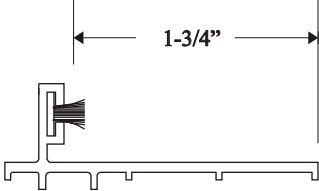

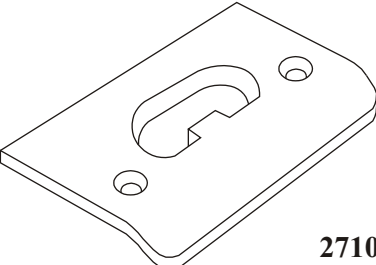

Component Listing

 <p>2100 4" BASE</p> <p>4"</p> <p>8' lengths</p>	 <p>2170 BASE J-HOOK</p> <p>1-1/2"</p> <p>3/4"</p> <p>10' lengths</p>	 <p>2400 PVC CORNER BATTEN</p> <p>1-1/2"</p> <p>1-1/2"</p> <p>9' & 10' lengths</p>
 <p>2110 4" BASE CORNER</p> <p>12" x 12"</p>	 <p>2200 STEEL BATTEN</p> <p>1"</p> <p>8'-5" & 10' lengths</p>	 <p>2405 SURFACE MOUNTED CORNER</p> <p>1-3/4"</p> <p>1-3/4"</p> <p>9' & 10' lengths</p>
 <p>2120 4" BASE RADIUS CORNER</p> <p>12" x 12"</p>	 <p>2205 BATTEN COVER</p> <p>1-1/8"</p> <p>8', 9', & 10' lengths</p>	 <p>2410 SURFACE MOUNTED RADIUS CORNER</p> <p>2-1/4"</p> <p>* Upon request</p>
 <p>2150 SCREW ON BASE</p> <p>4"</p> <p>* Upon request</p>	 <p>2215 WIDE BATTEN COVER</p> <p>1-1/2"</p> <p>* Upon request</p>	 <p>2415 SEMI-FLUSH CORNER</p> <p>1-3/4"</p> <p>9' & 10' Lengths</p>
 <p>2155 BASE END CLIP</p> <p>* Upon request</p>	 <p>2225 CEILING TRIM COVER</p> <p>1-3/8"</p> <p>8' lengths</p>	 <p>2420 SEMI-FLUSH RADIUS CORNER</p> <p>1-3/4"</p> <p>9' & 10' Lengths</p>
 <p>2160 2-1/4" BASE</p> <p>2-1/4"</p> <p>* Upon request</p>	 <p>2250 EDGE TRIM</p> <p>1/4"</p> <p>1/2" OR 5/8"</p> <p>7/8"</p> <p>10' lengths</p>	 <p>2430 MONOLITHIC CORNER</p> <p>1-3/4"</p> <p>1-3/4"</p> <p>* Upon request</p>
 <p>2270 ALUMINUM EDGE TRIM</p> <p>1/2"</p> <p>9/16"</p> <p>1"</p> <p>12'-3", 16'-3", 18'-3", & 24'-3" lengths</p>		

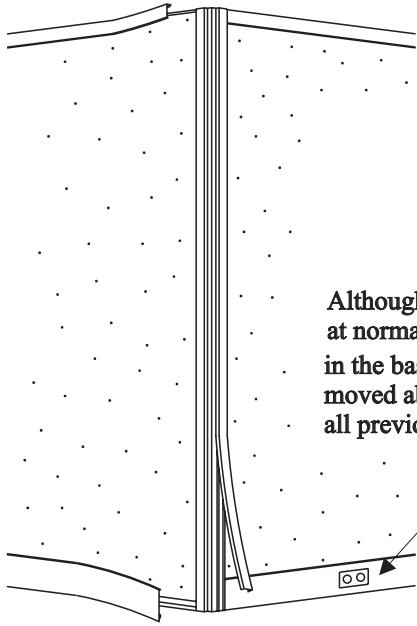
Component Listing



Component Listing

 <p>2625 2-1/2" PHOENIX RECESSED CHANNEL * Upon request</p>	 <p>2715 4-1/2" X 4" BUTT HINGES</p>	 <p>FOAM SEAL 3000 1/8" x 3/4" 3005 1/4" x 3/4" 3010 1/16" x 3/4" Double sided</p>
 <p>2630 PHOENIX BASE CHANNEL * Upon request</p>	 <p>2720 SPRING DOOR STOP</p>	 <p>3015 VELCRO TAPE 1"</p>
 <p>2700 PVC DOOR STOP 7'-2", 9'-2", & 10'-2" lengths</p>	 <p>2750 HEADER GLASS STOP 8' lengths</p>	
 <p>2705 ALUMINUM DOOR STOP 7'-2", & 9'-2" lengths</p>	 <p>2755 LARGE GLAZING BEAD FOR 5MM (3/16") GLASS</p>	
 <p>2710 STRIKE PLATE</p>	 <p>2760 SMALL GLAZING BEAD FOR 6MM (1/4") GLASS</p>	
<p>EDMONTON ph. (780) 465-9327 fax. (780) 465-2195</p>	<p>CALGARY ph. (403) 272-7600 fax. (403) 272-6490</p>	<p>VANCOUVER ph. (604) 270-8926 fax. (604) 270-2911</p>

10. FINISHING TOUCHES



NOTE:

Although electrical outlets can be installed at normal height above the floor, installation in the base is best because when panels are moved about at a later date the base covers all previous outlet holes in the panels.

Ceiling trim, PVC base, and batten covers on a surface mounted corner.

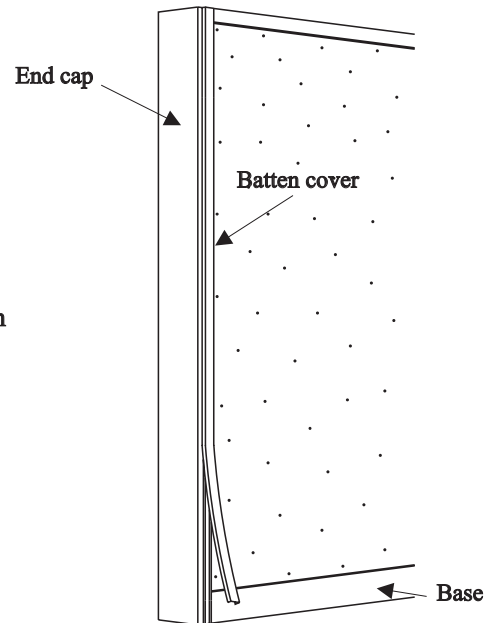
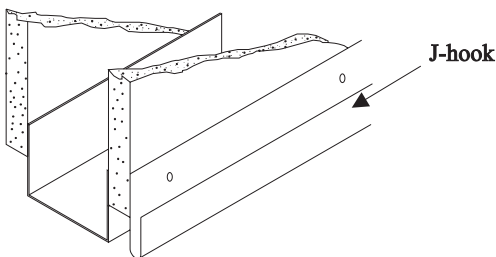
Note:

Surface mounted corners are installed continuous from finished floor to top of wall. The base and ceiling trims butt up against this vertical trim.

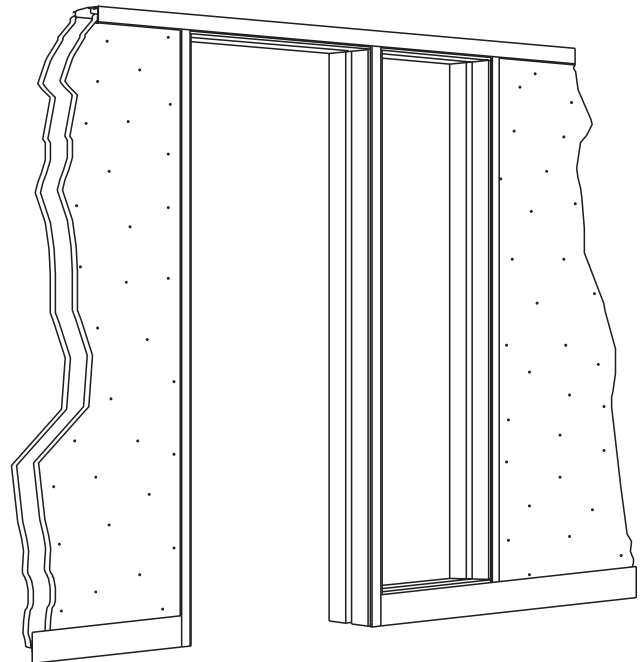
Surface mounted batten covers used at other locations such as at wall starts and door frames also run to the floor with the base trim terminating against them.

J-hook

The base J-hook should be installed along the floor line. Cut excess J-hook using tin snips.



Wall end using aluminum terminal frame with batten covers.



Ceiling trim, PVC base, and batten covers for door with full height window.