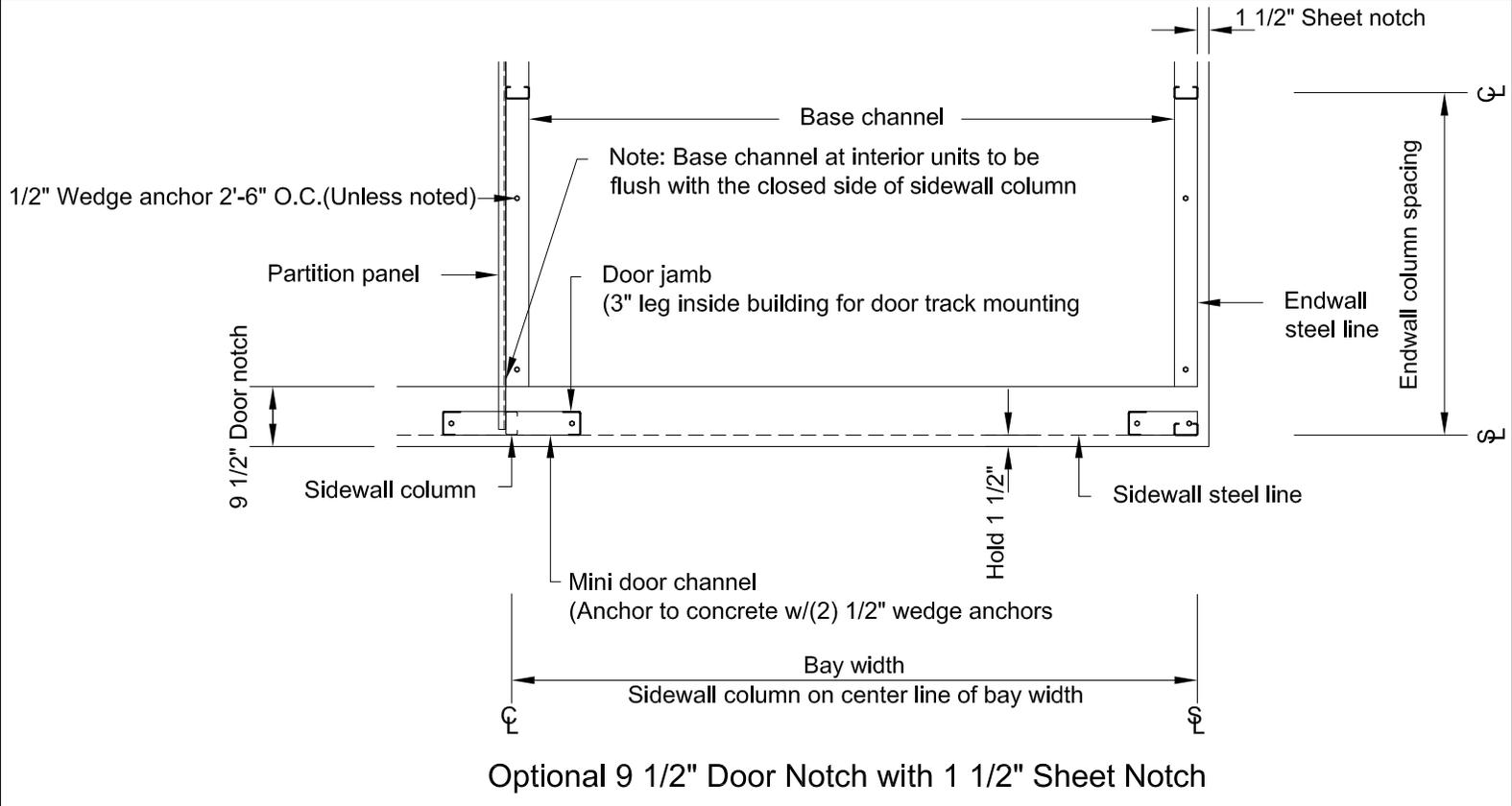
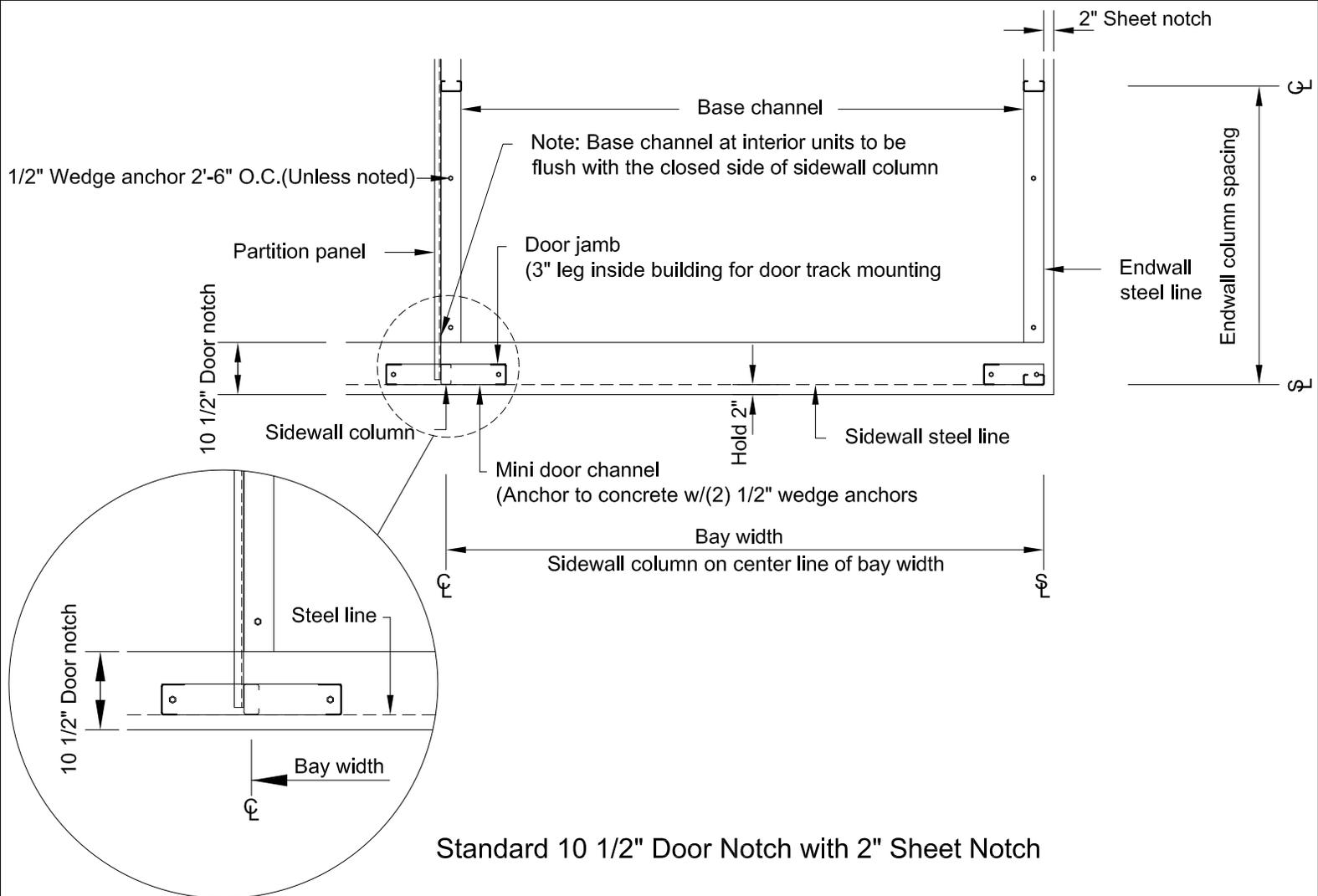
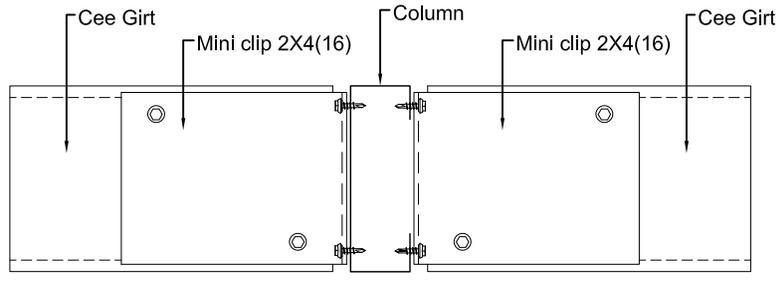
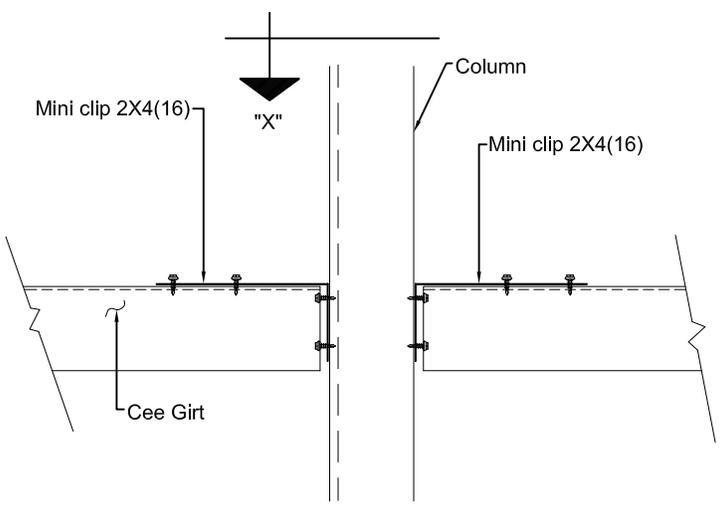


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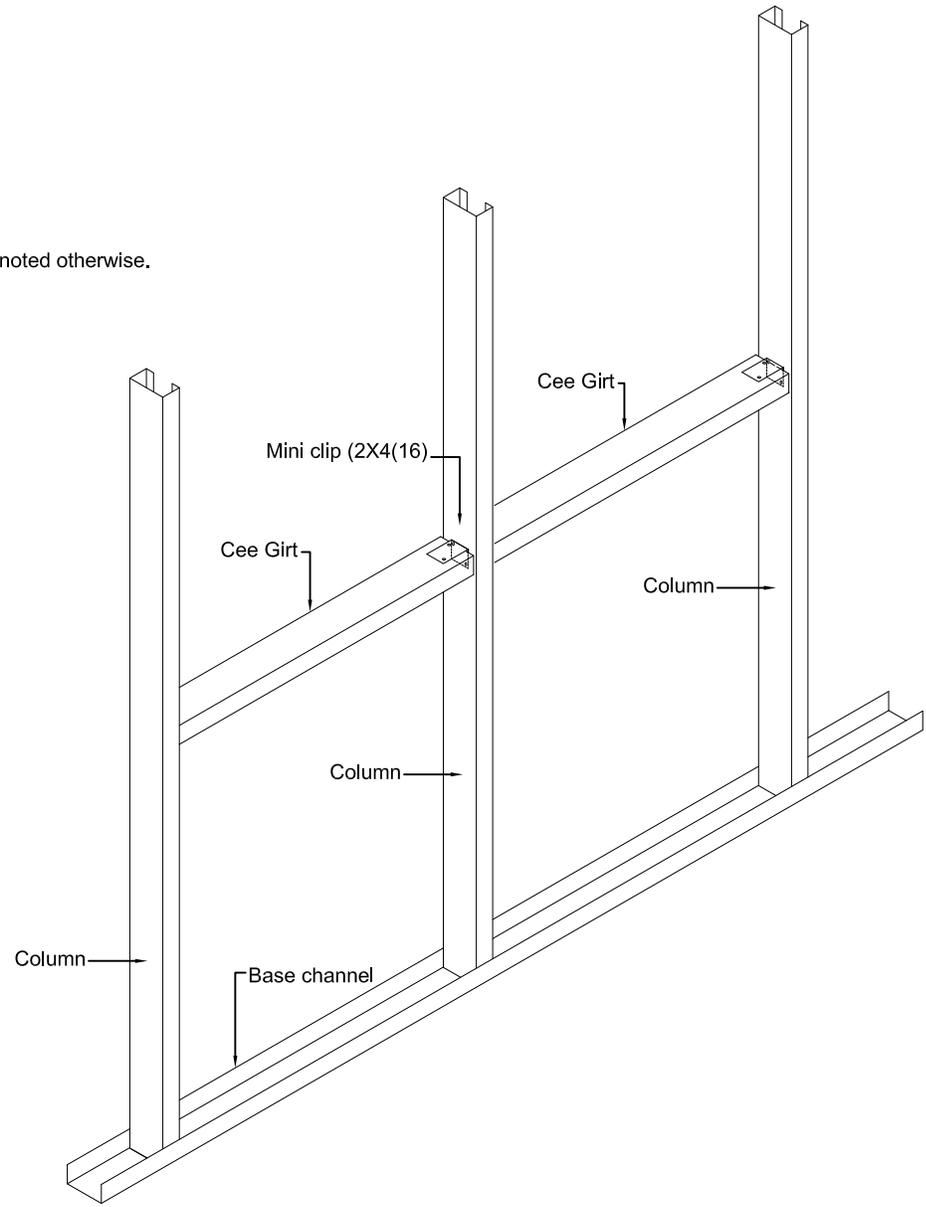


Note : Use (1) #12 X 3/4" self driller in each location of mini clip as shown.
Space the fasteners as far apart as possible.

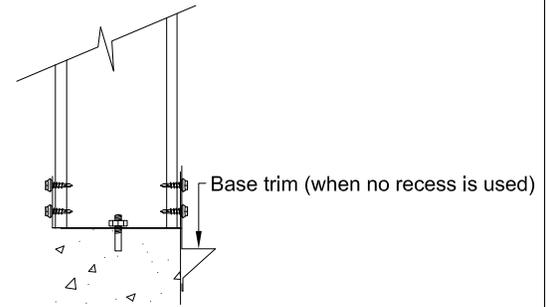
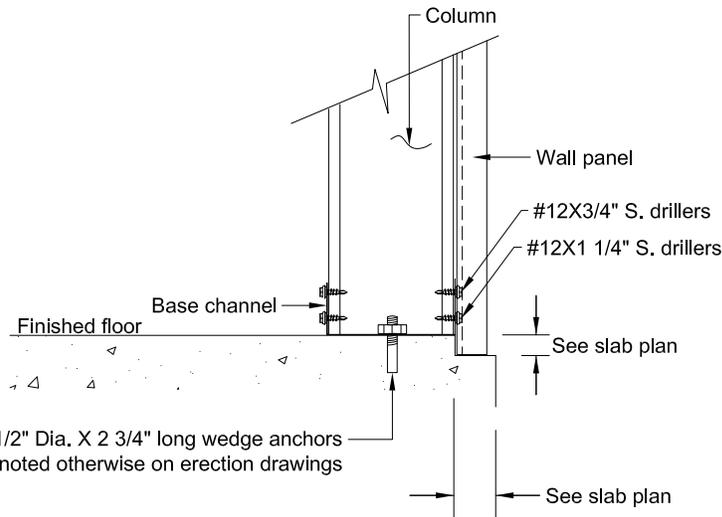


SECTION "X"

Note : (4) Screws per clip unless noted otherwise.



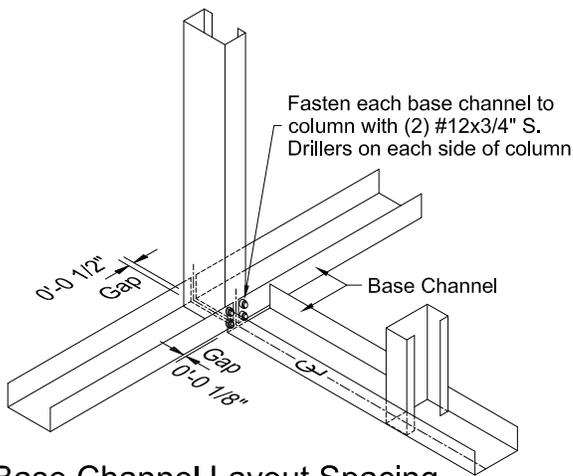
Fasten base channel to column (2) #12X3/4" S. drillers on each side of column when 4" and 6" purlins are used.
 Fasten base channel to column (3) #12X3/4" S. drillers on each side of column when 8" purlins are used.



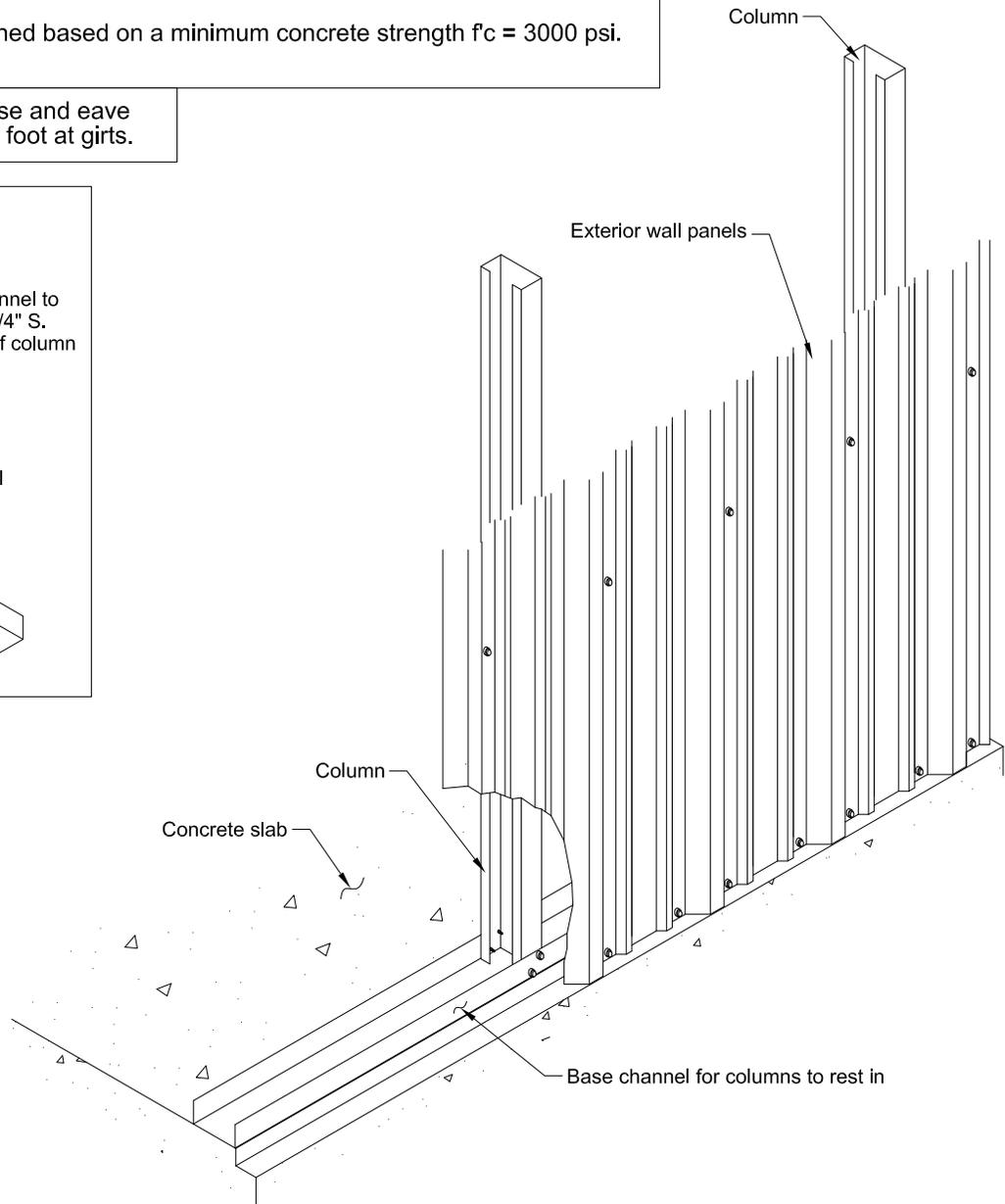
Alternate detail

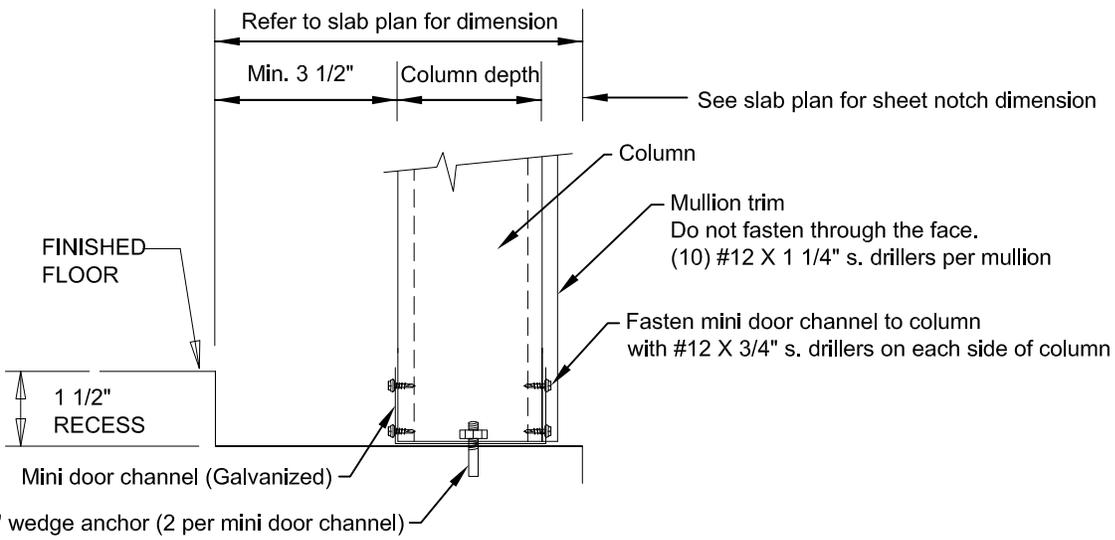
Note : 1/2" X 2 3/4" wedge anchors are designed based on a minimum concrete strength $f'_c = 3000$ psi.

Use (2) #12 X 1 1/4" S. drillers per foot at base and eave for exterior wall panel attachment and (1) per foot at girts.



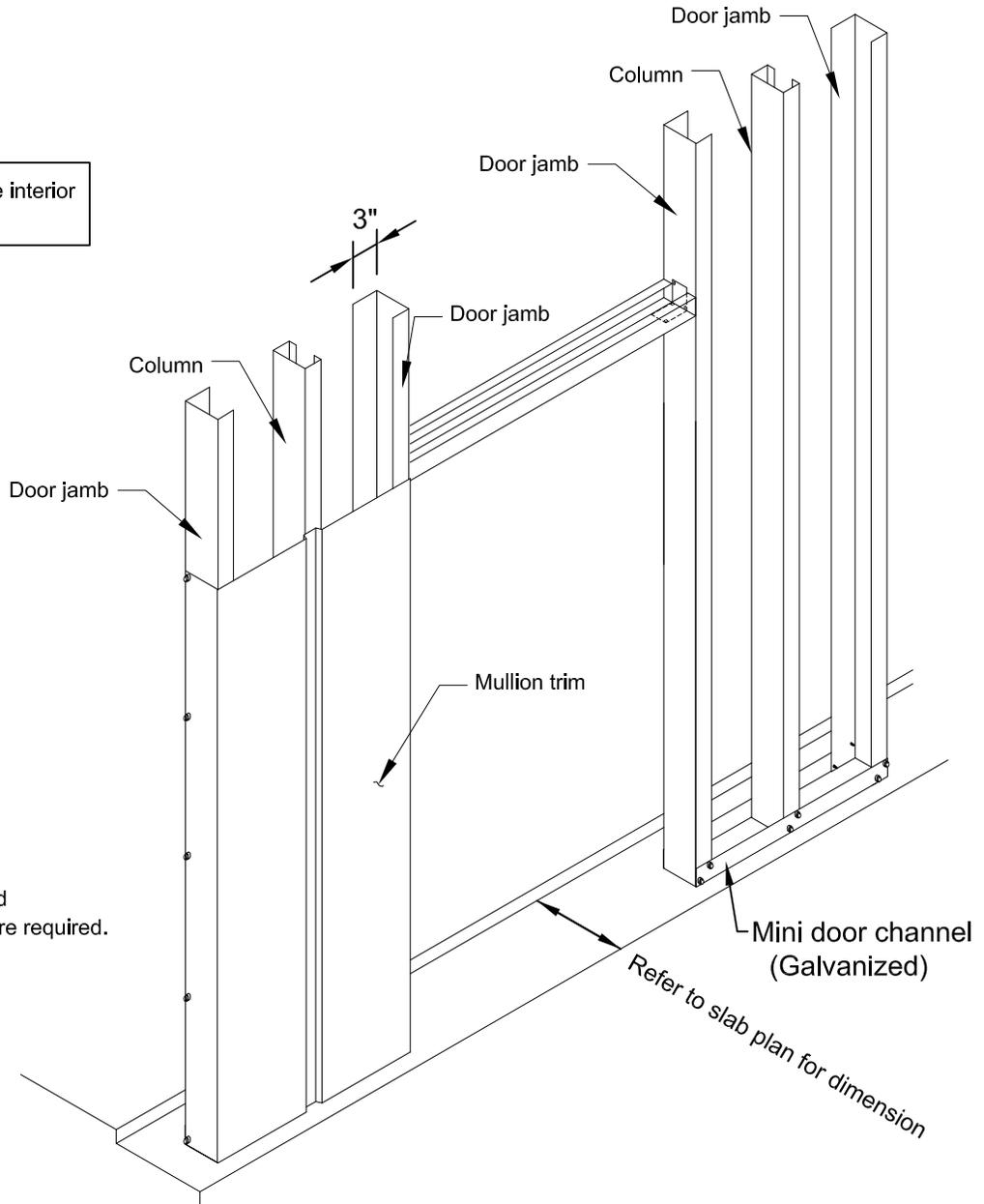
Base Channel Layout Spacing



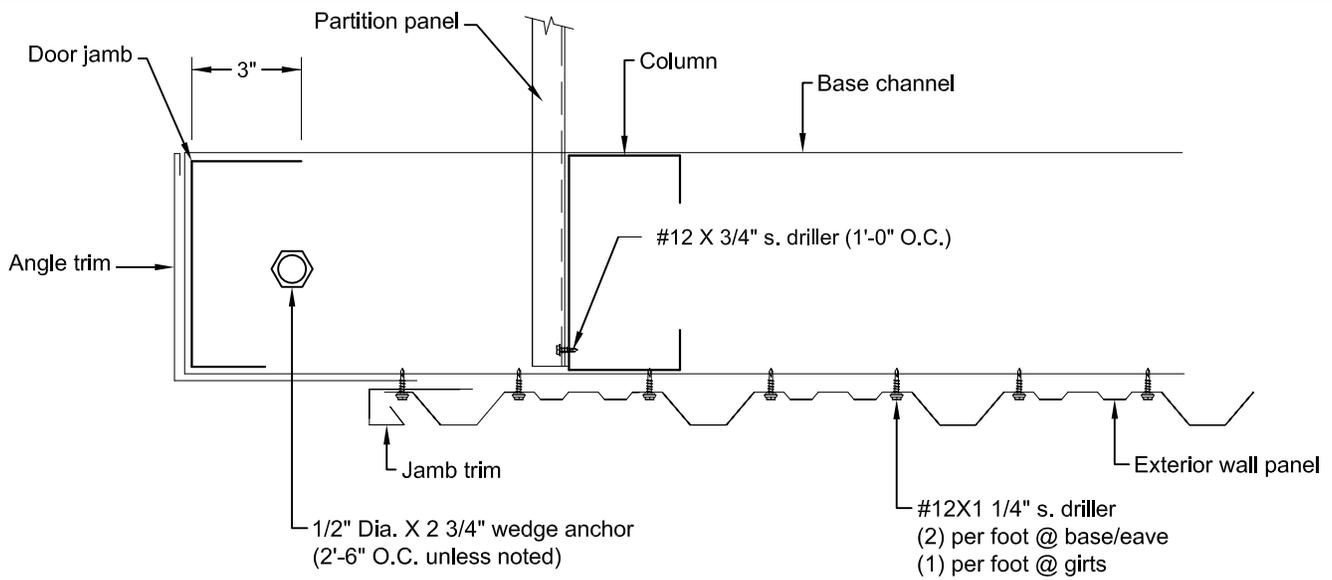


Fasten base channel to column (2) #12X3/4" S. drillers on each side of column when 4" and 6" purlins are used.
Fasten base channel to column (3) #12X3/4" S. drillers on each side of column when 8" purlins are used.

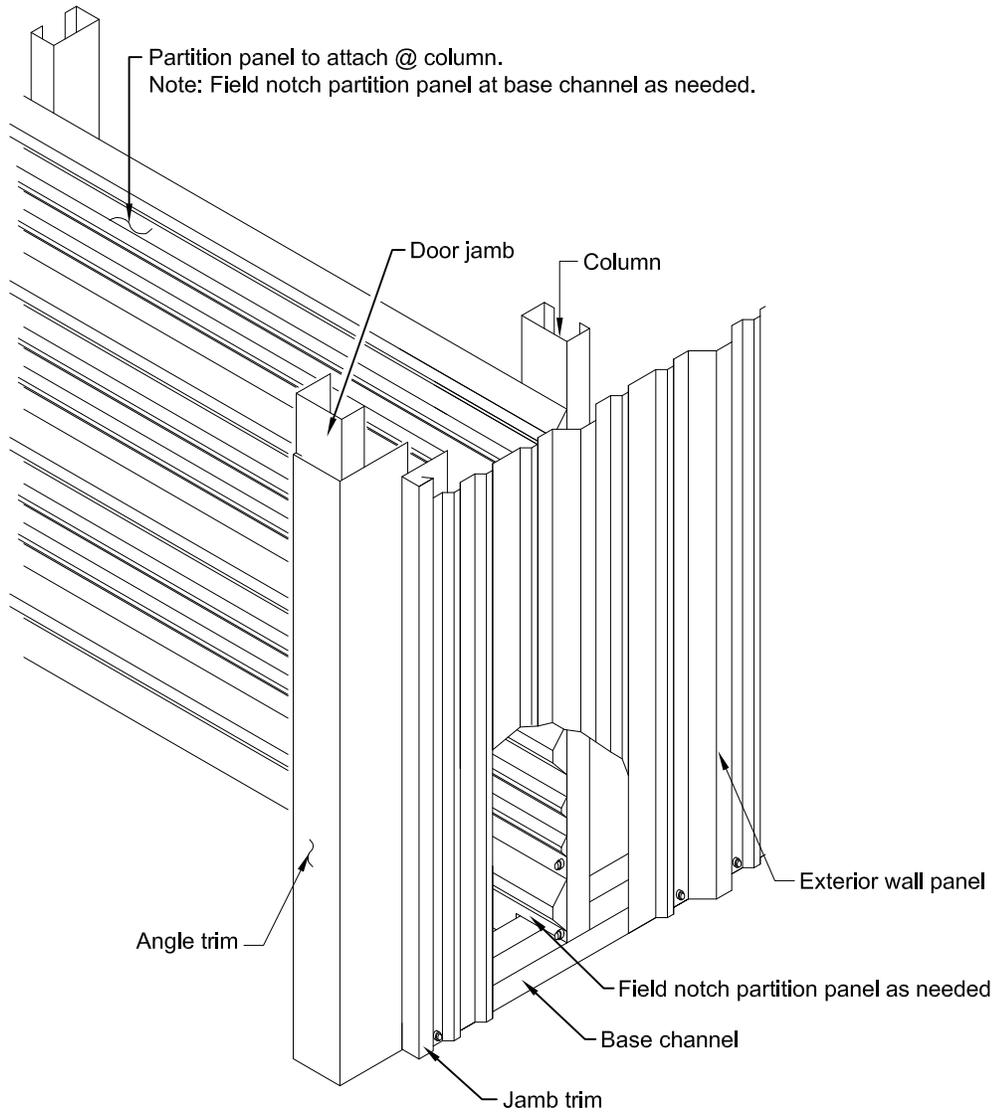
Note: The 3" leg of the door jamb must be on the interior of the building for door track mounting.

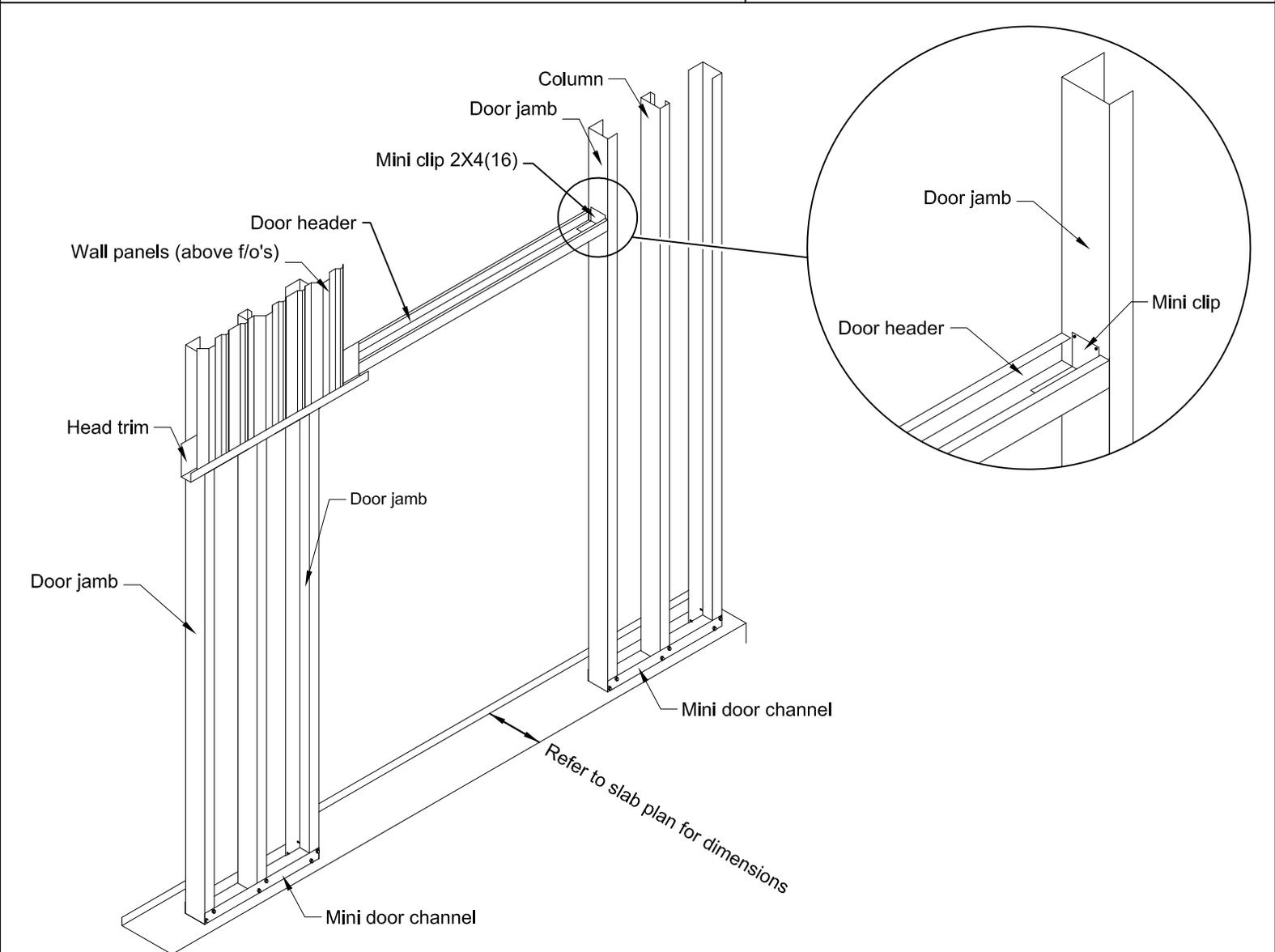
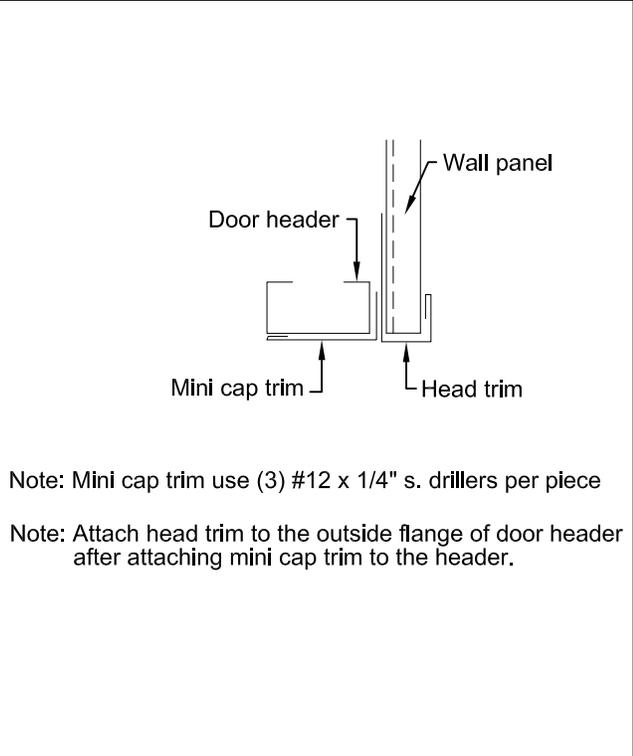
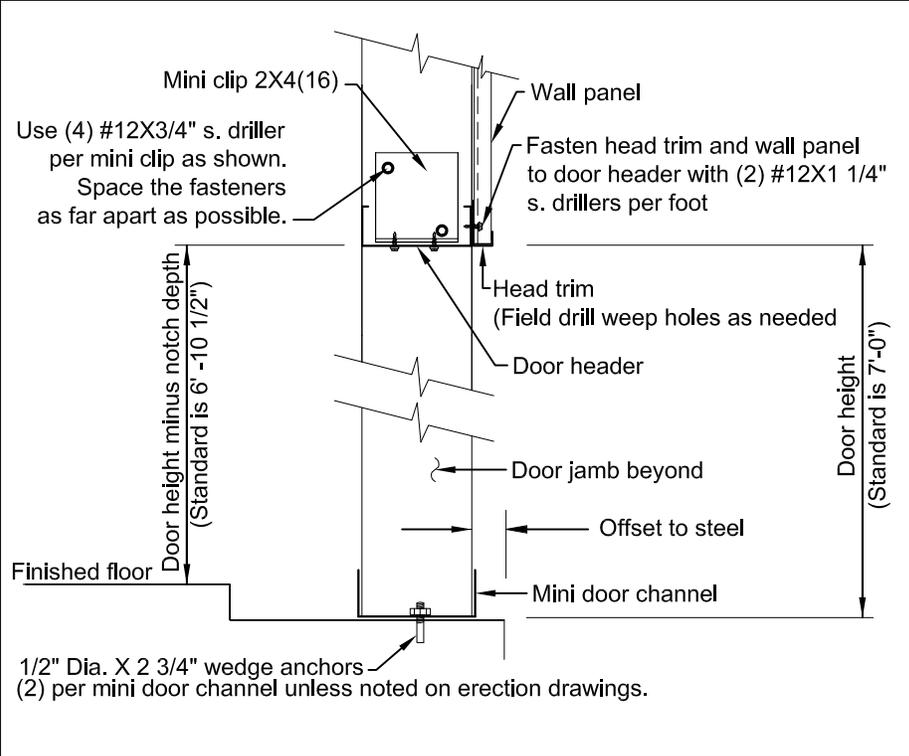


Note: Galvanized mini door channels are stocked in 1'-0" & 2'-0" lengths when 4" columns are required. All others will be red oxide primer.

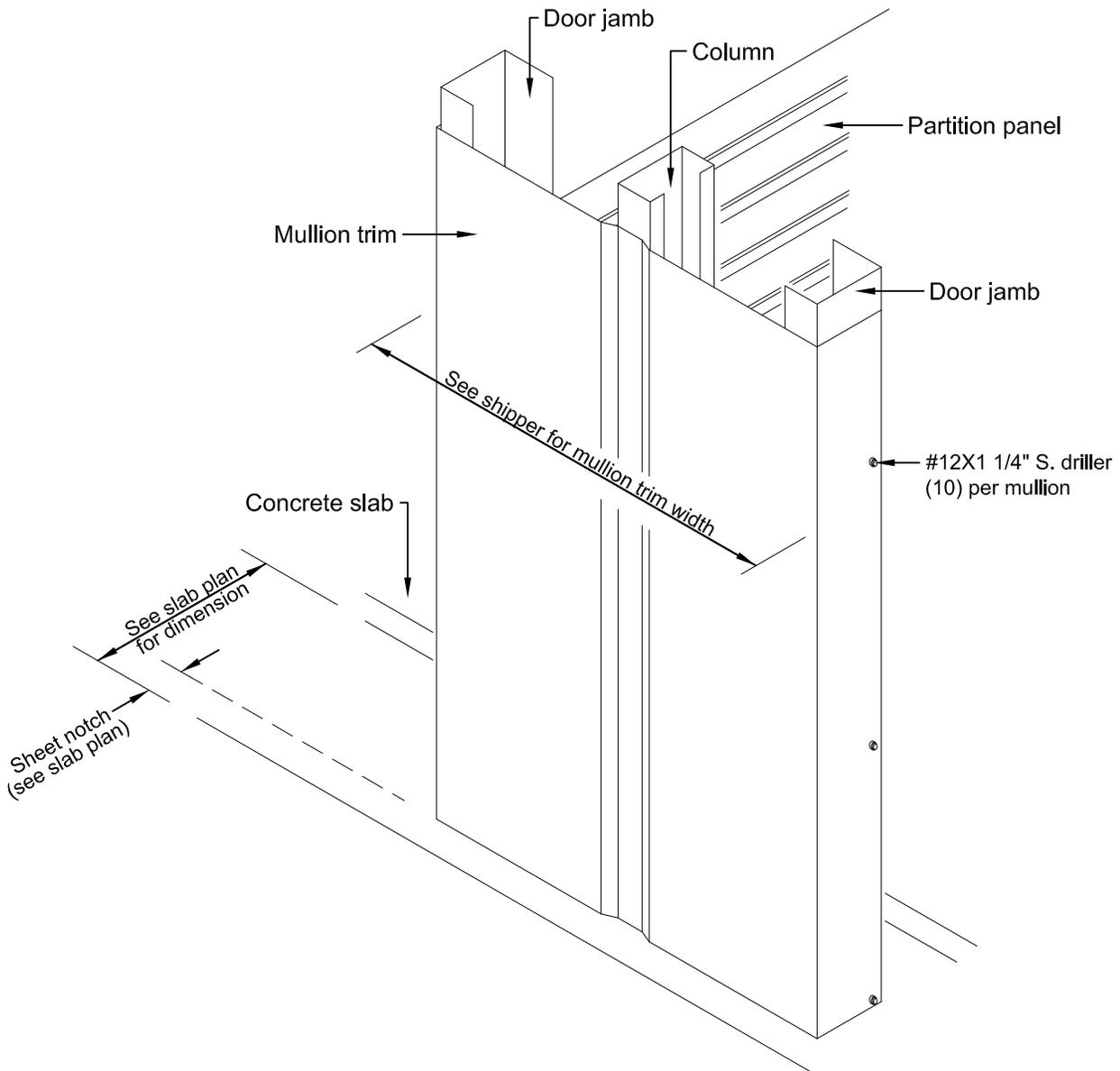
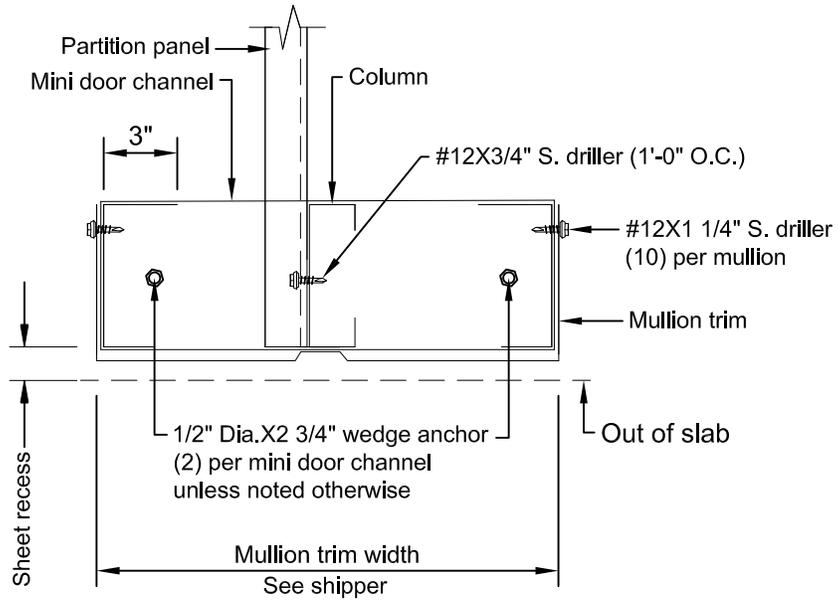


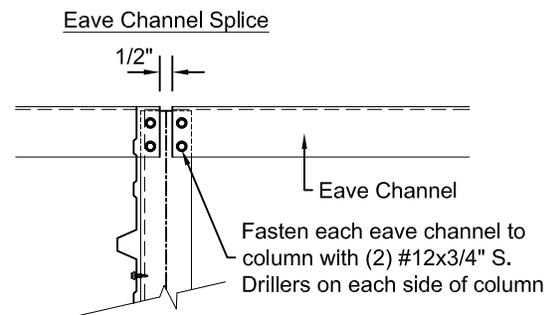
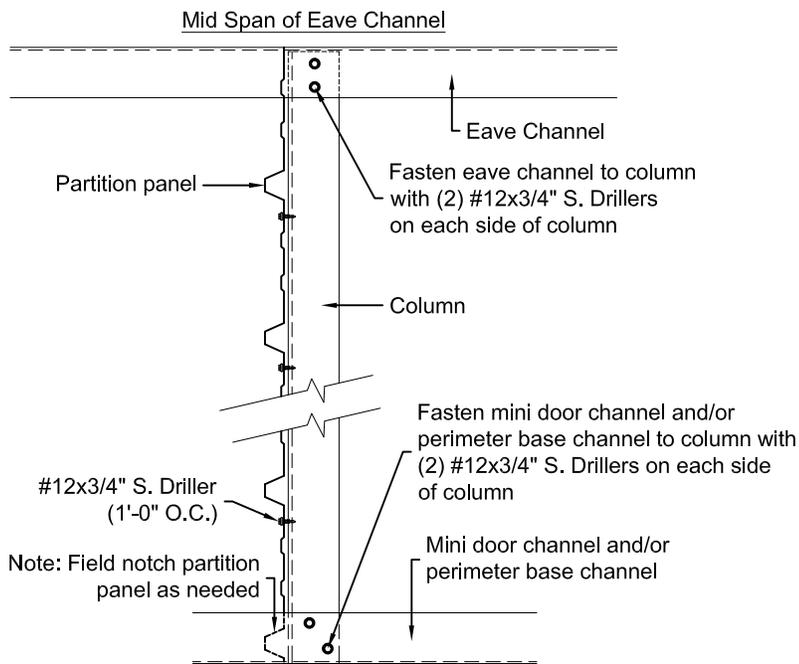
Note: The 3" leg of the door jamb must be on the inside of the building for door track mounting.



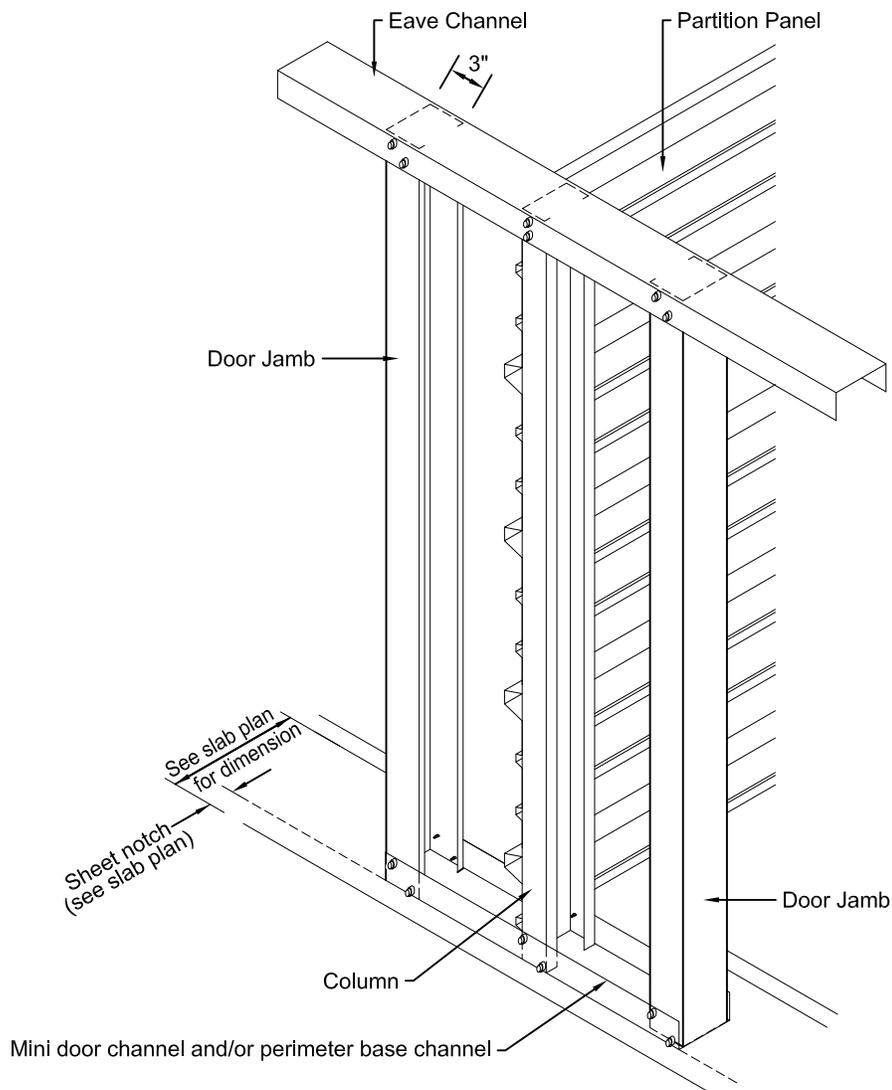


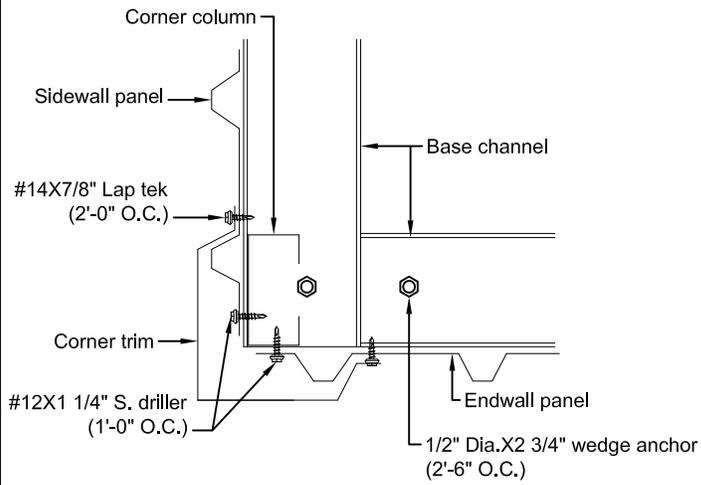
Note: The 3" leg of the door jamb must be on the interior of the building for door track mounting.



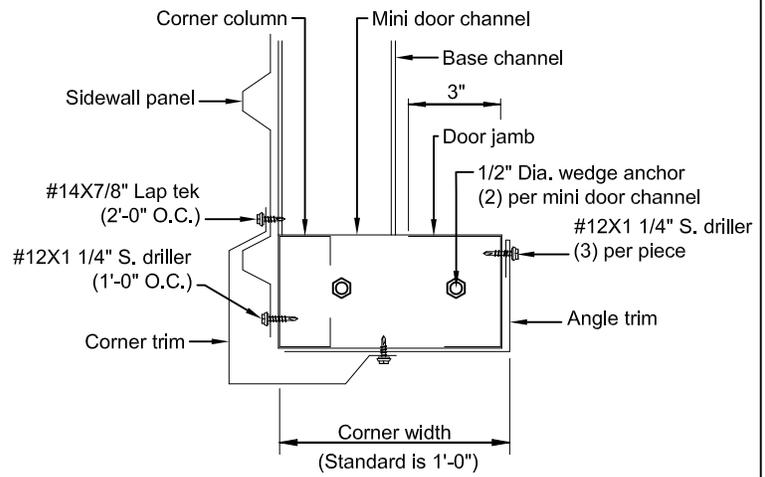


Note: The 3" leg of the door jamb must be on the interior of the building for door track mounting.

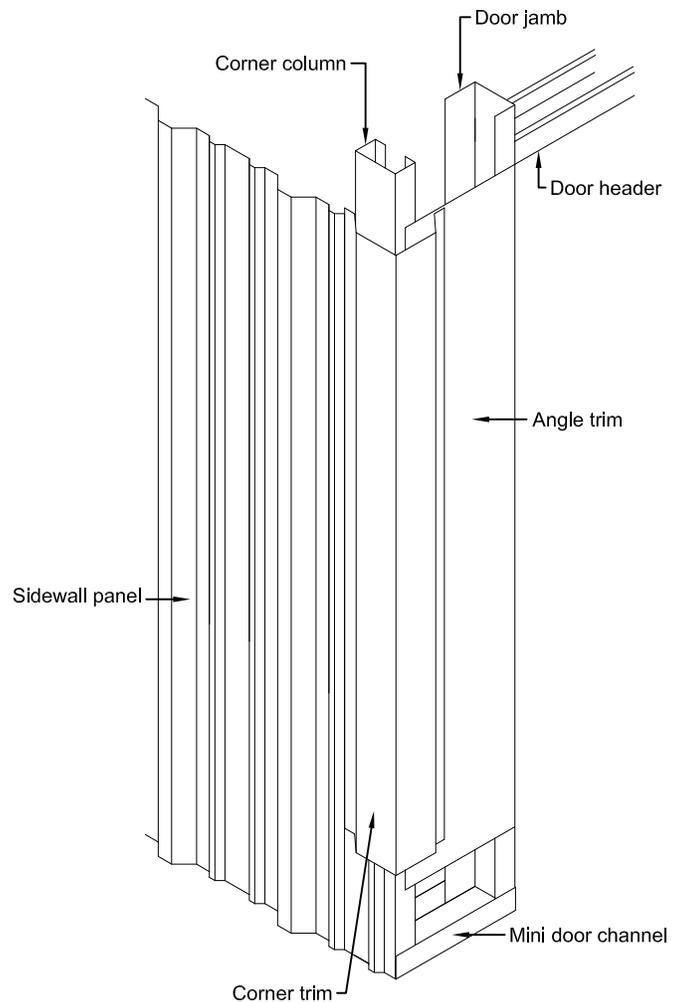
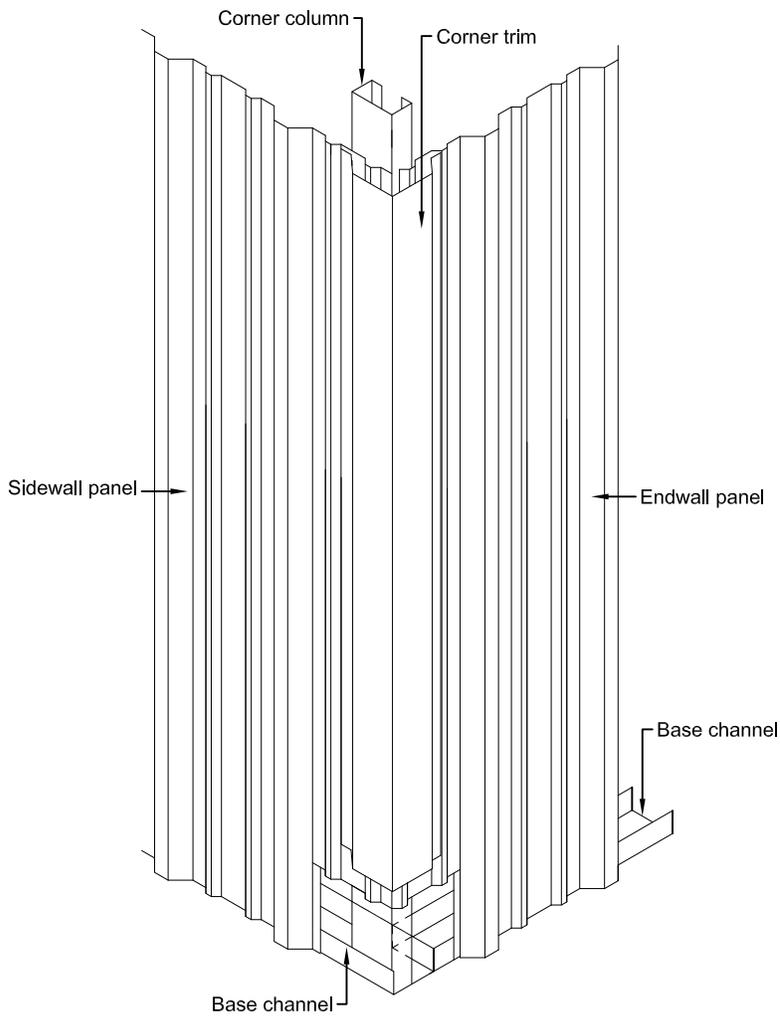


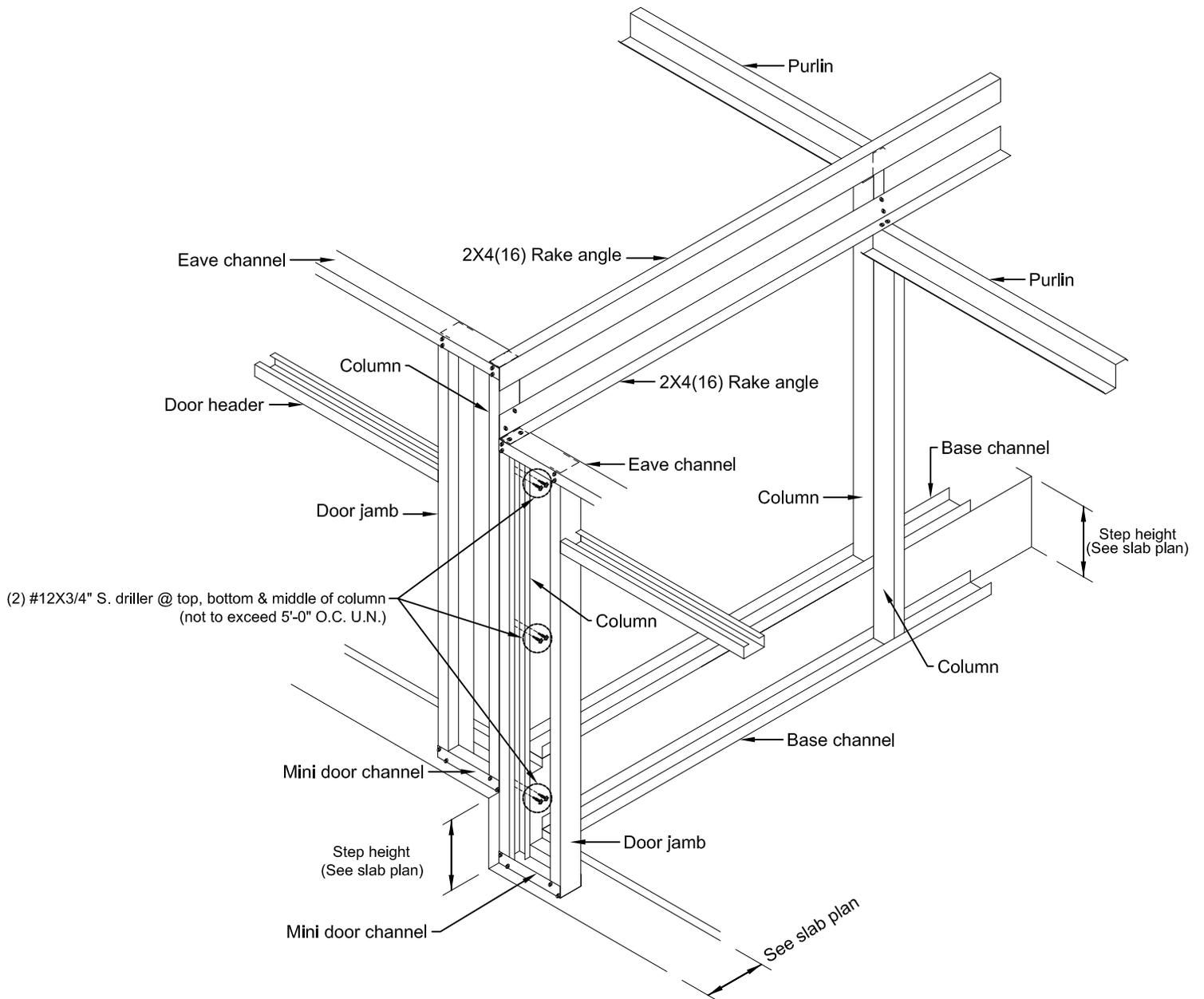
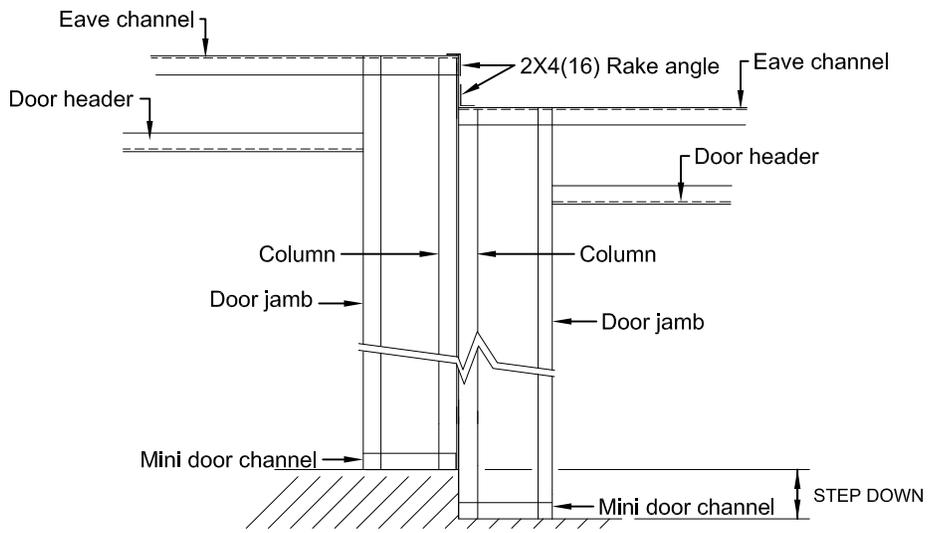


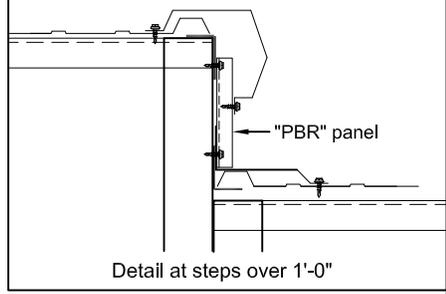
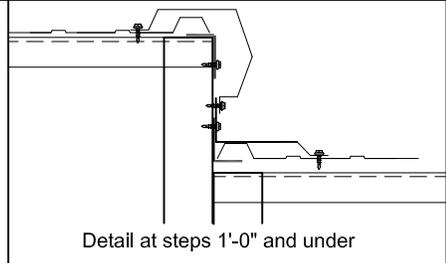
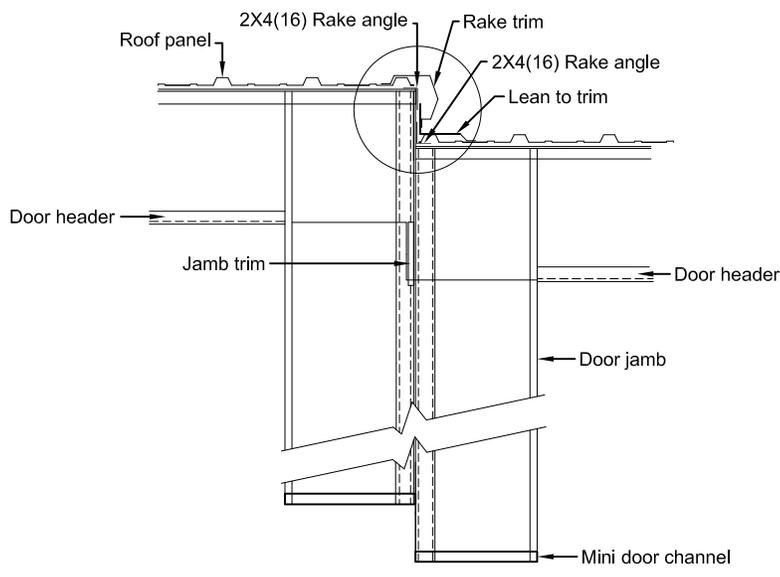
Corner trim assembly without door jambs



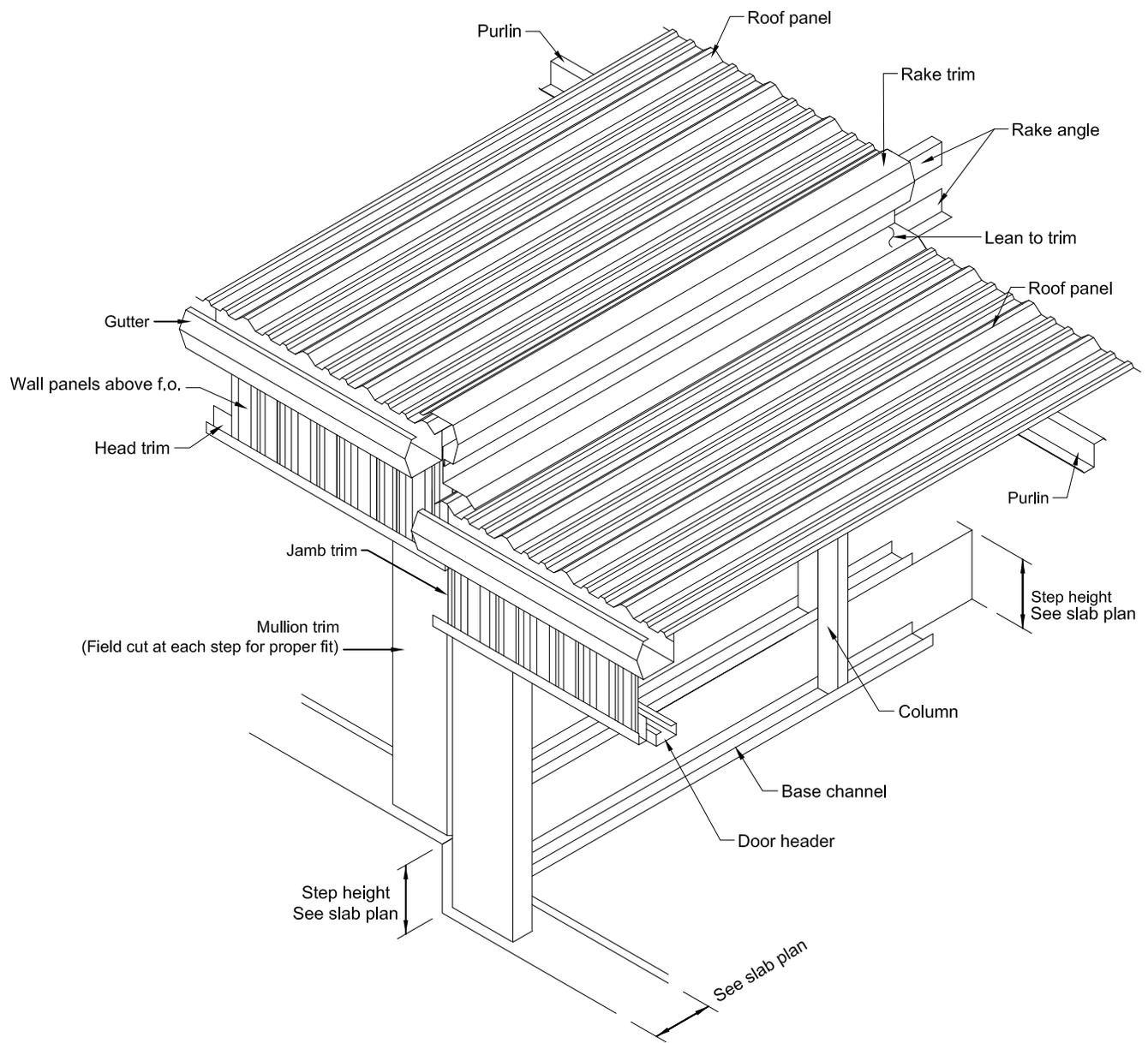
Corner trim assembly at door jambs

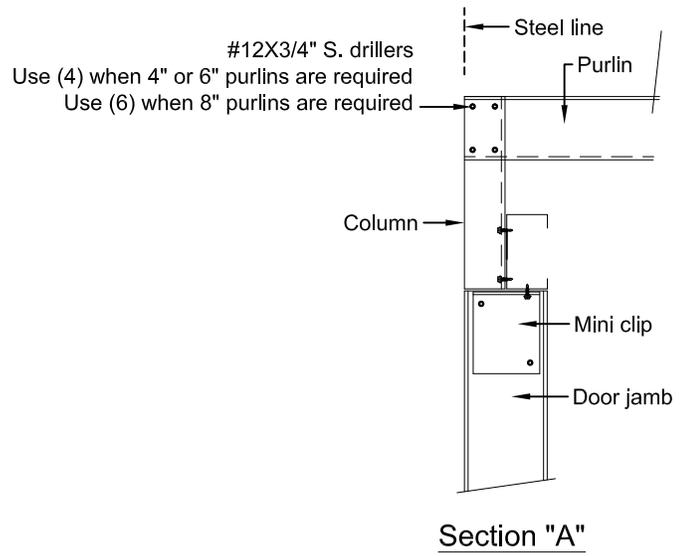
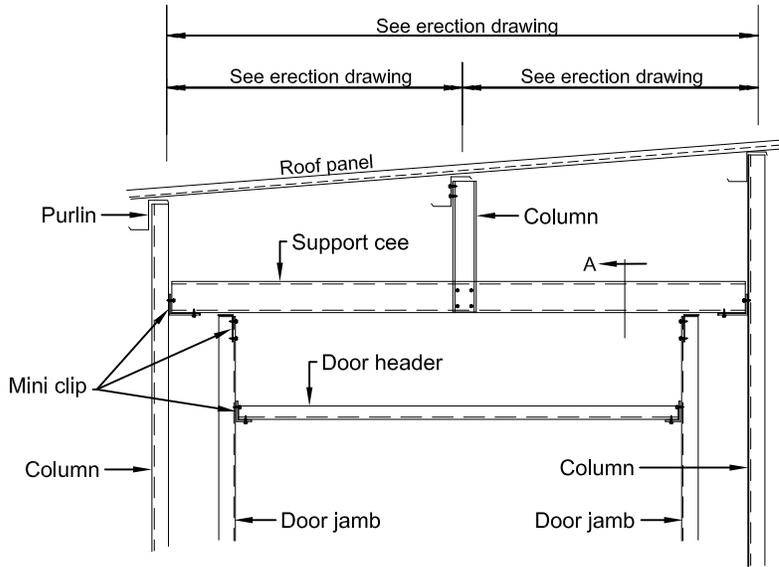




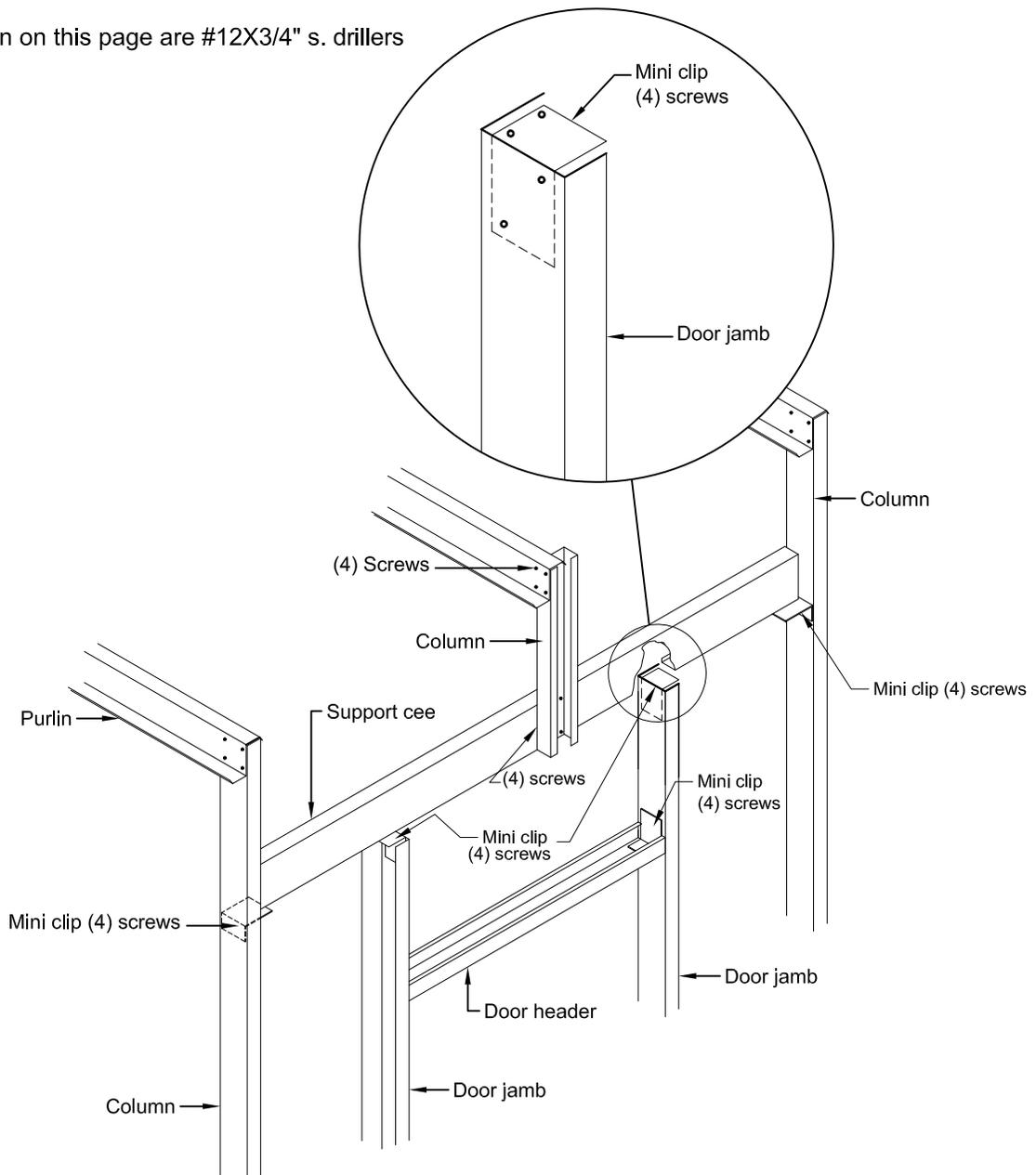


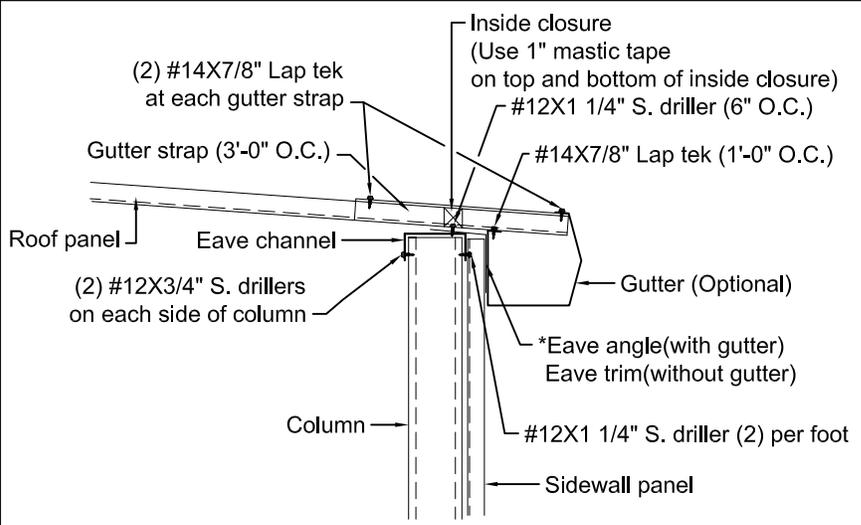
Note: Field cut mullion trim at each step for proper fit (See below)





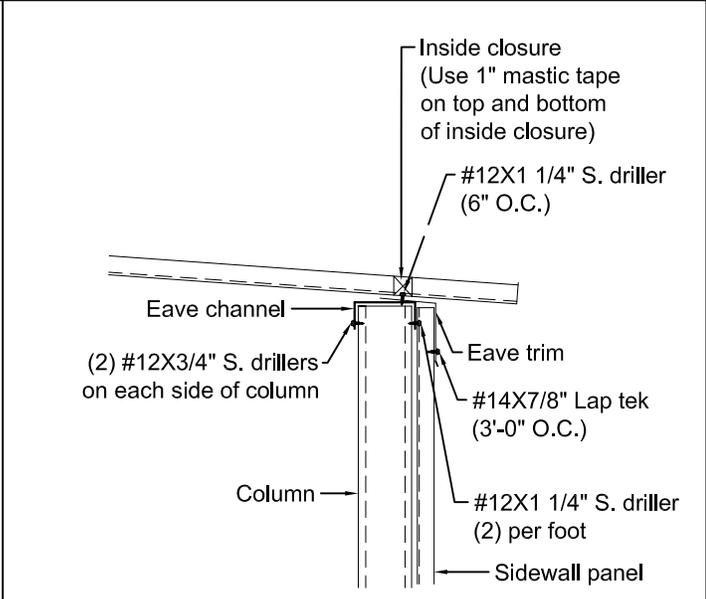
Note: All fasteners shown on this page are #12X3/4" s. drillers





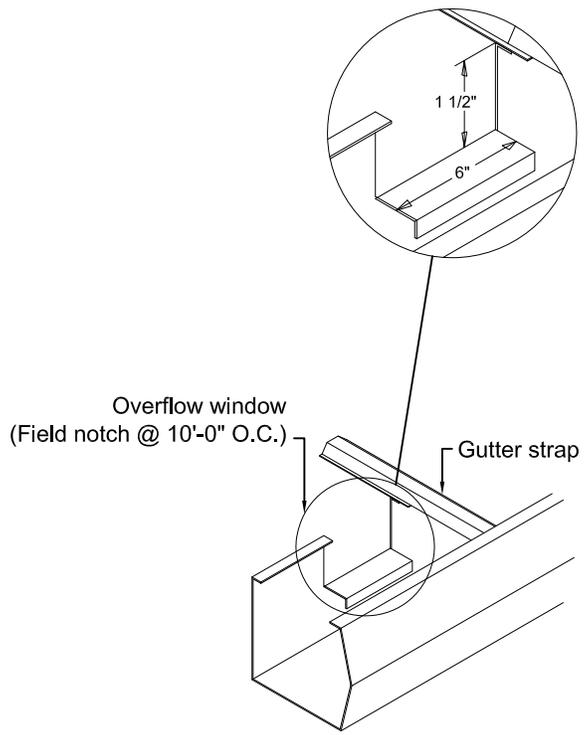
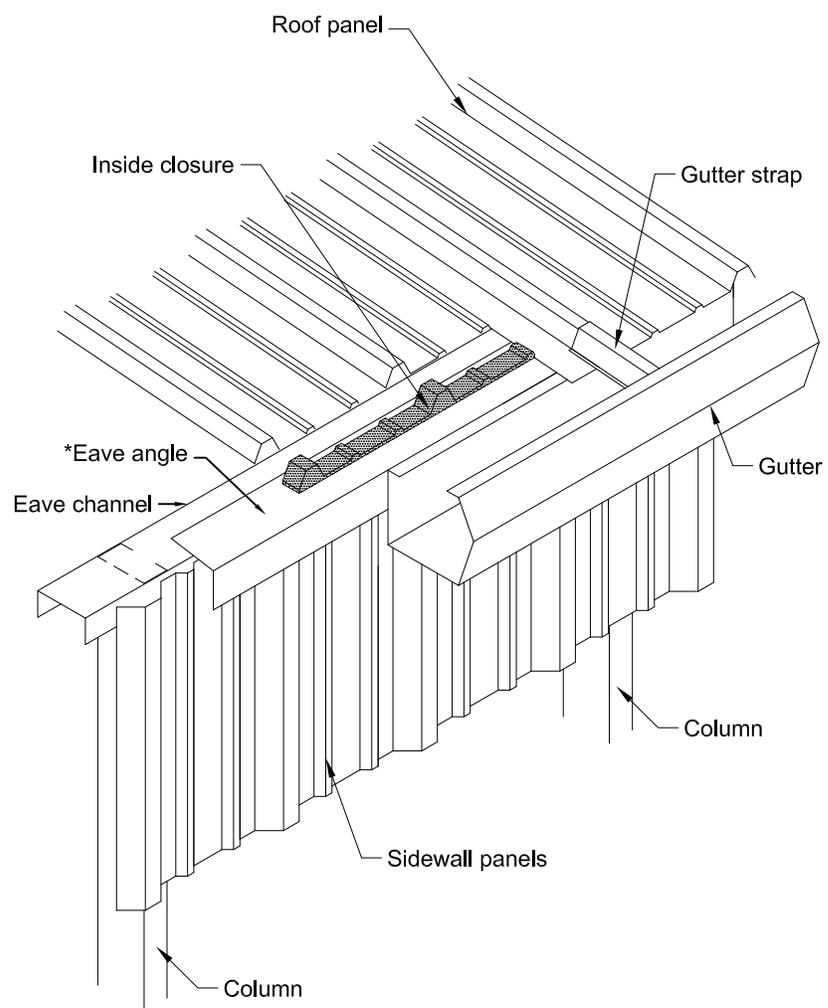
* Note: #2 Eave angle may or may not be the same color as the other trim.

With Gutter

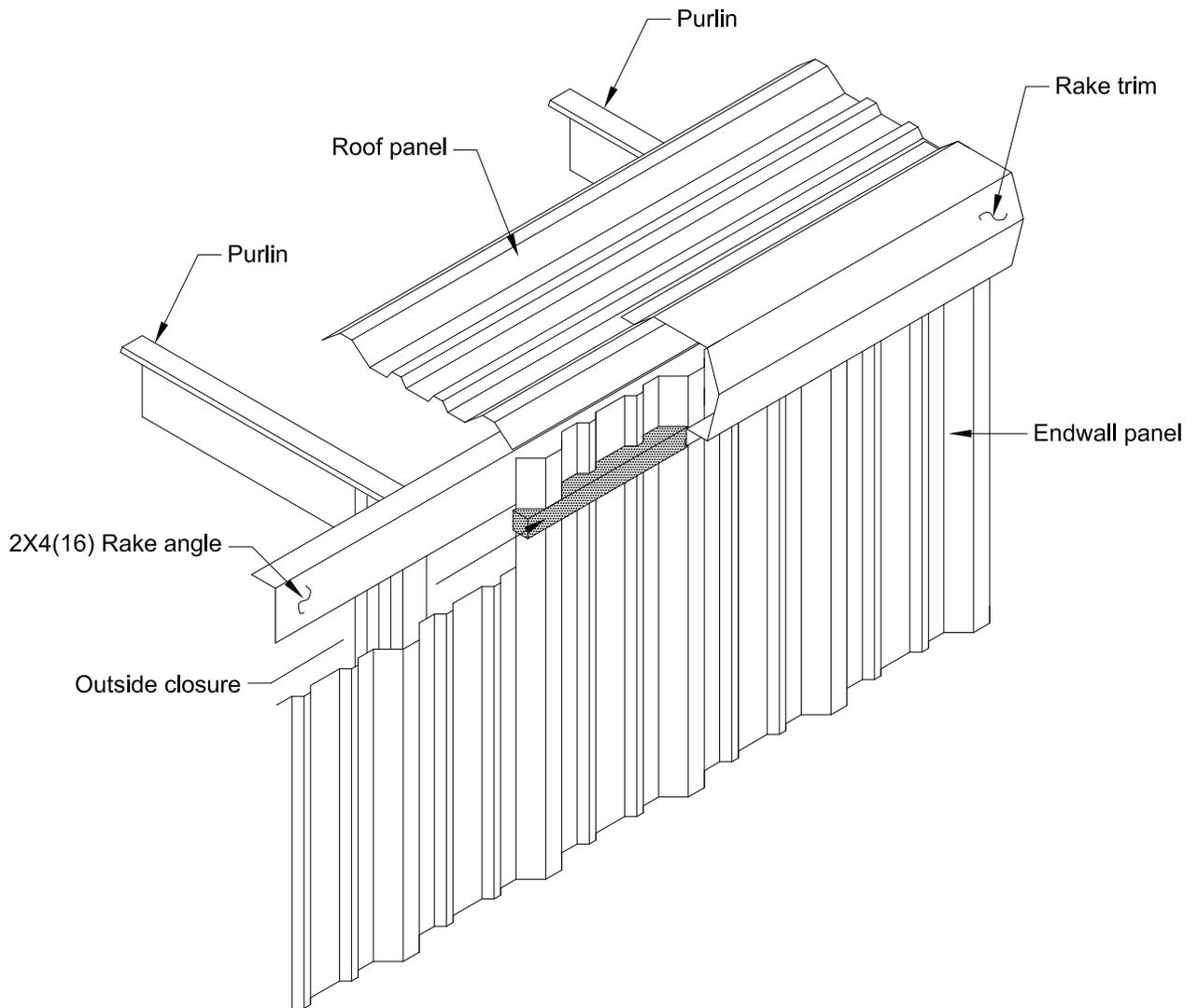
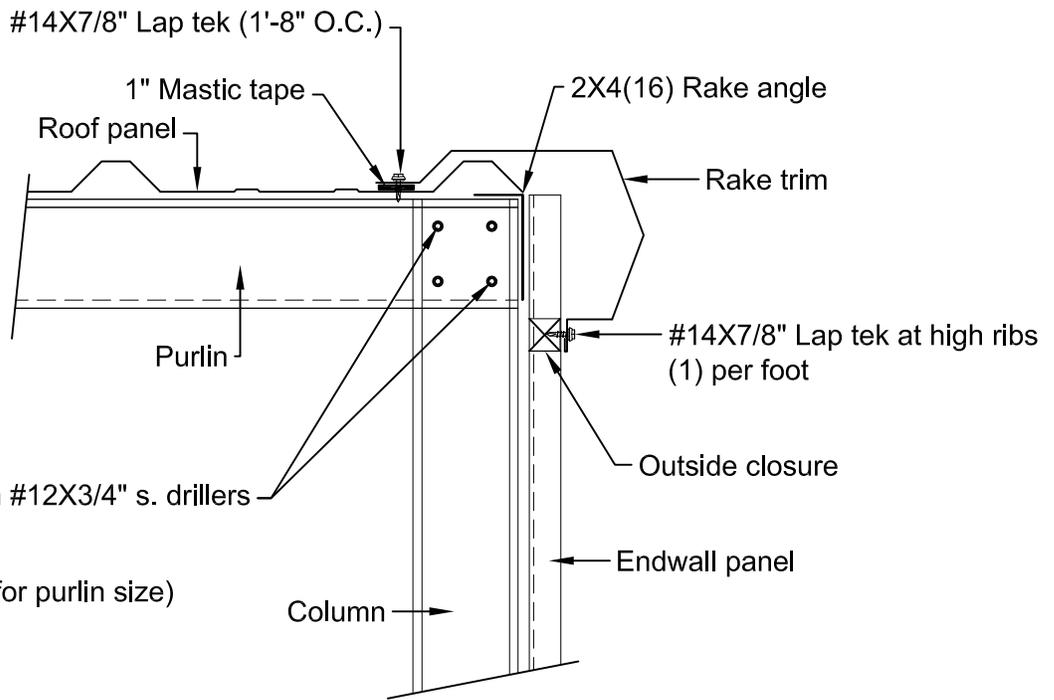


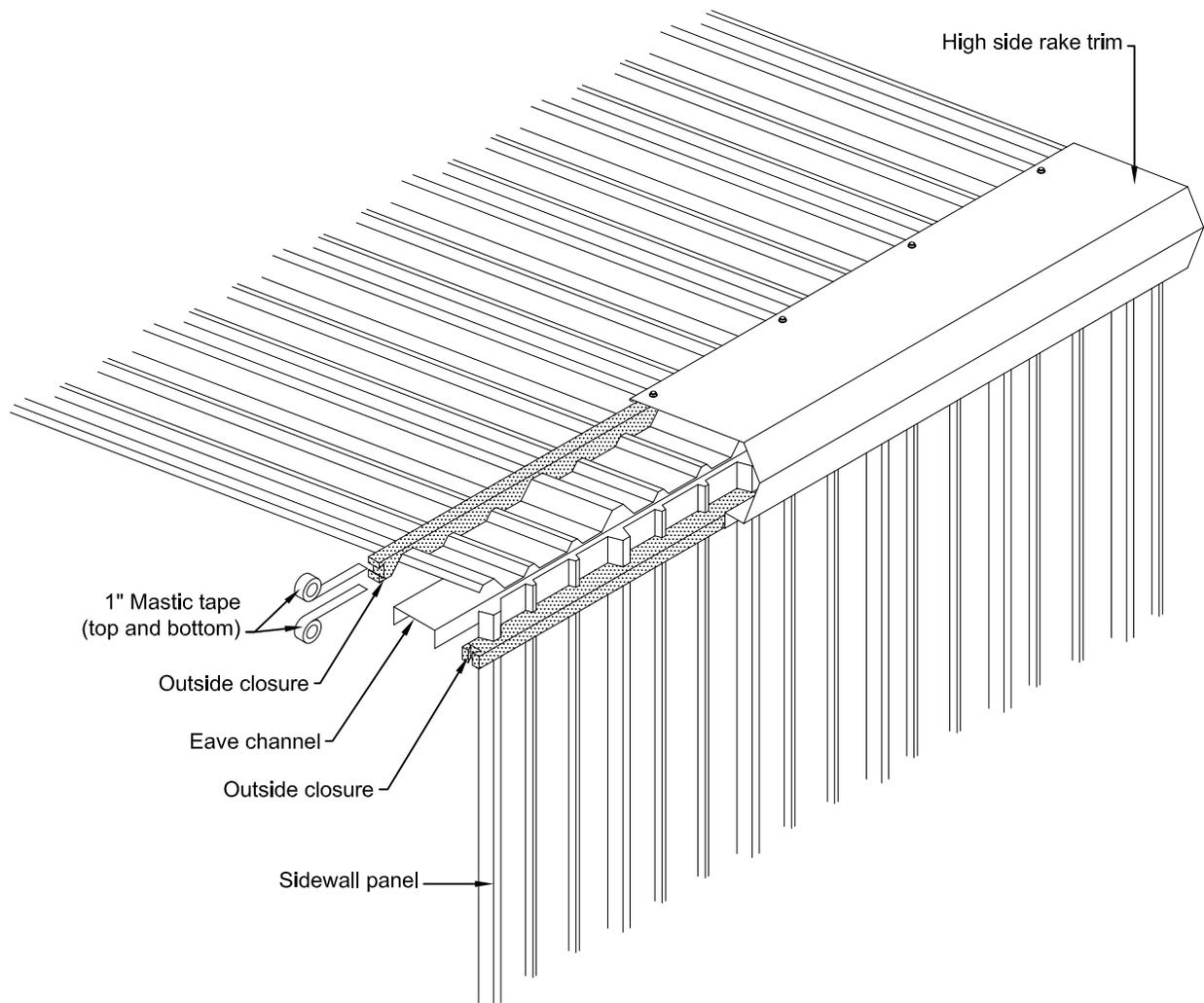
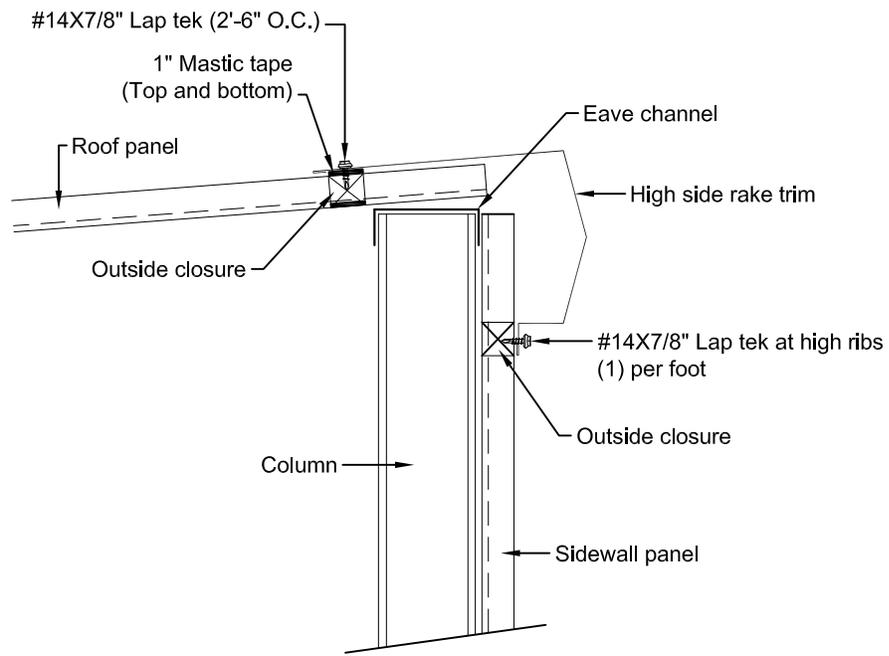
With Eave Trim

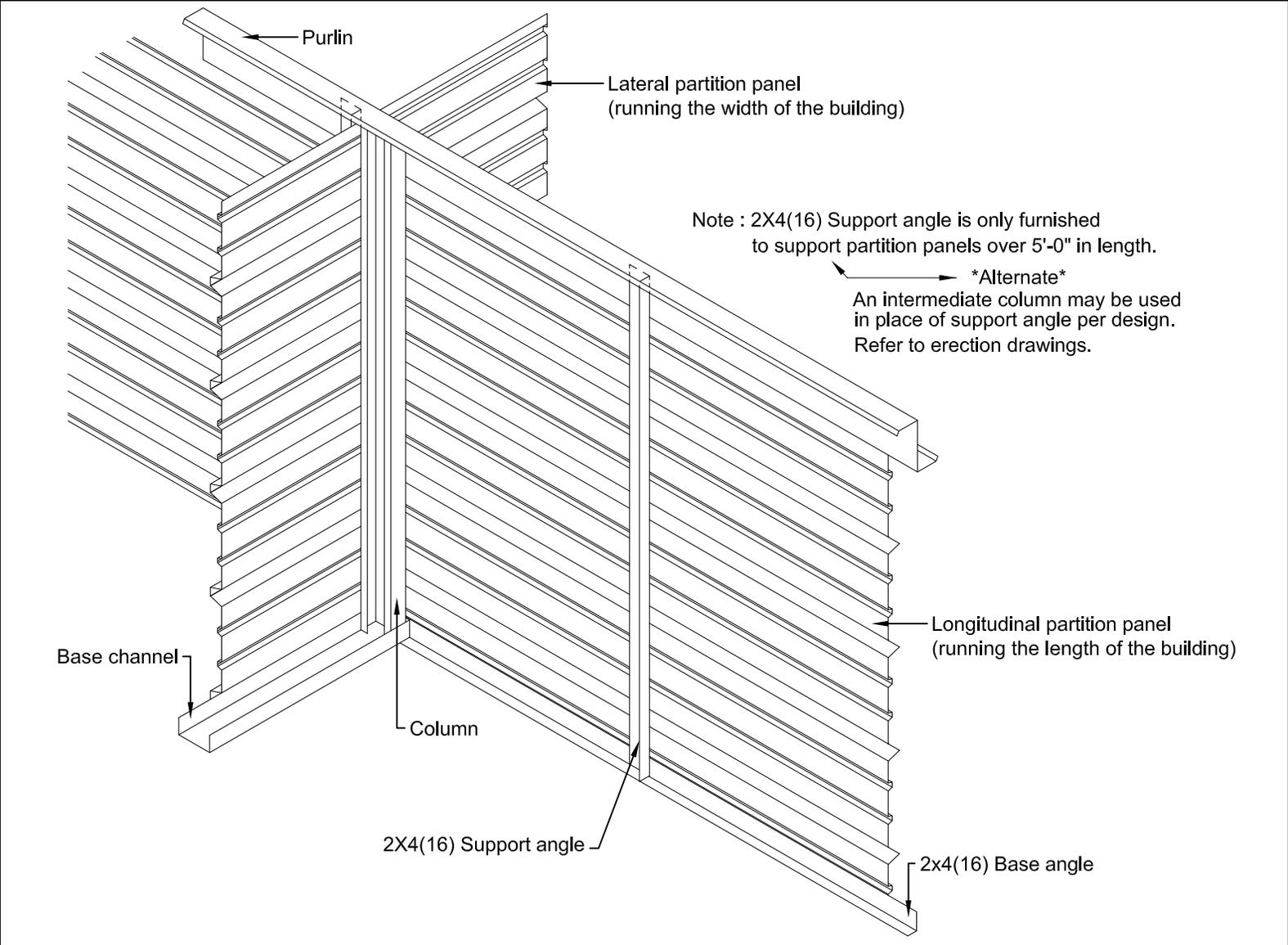
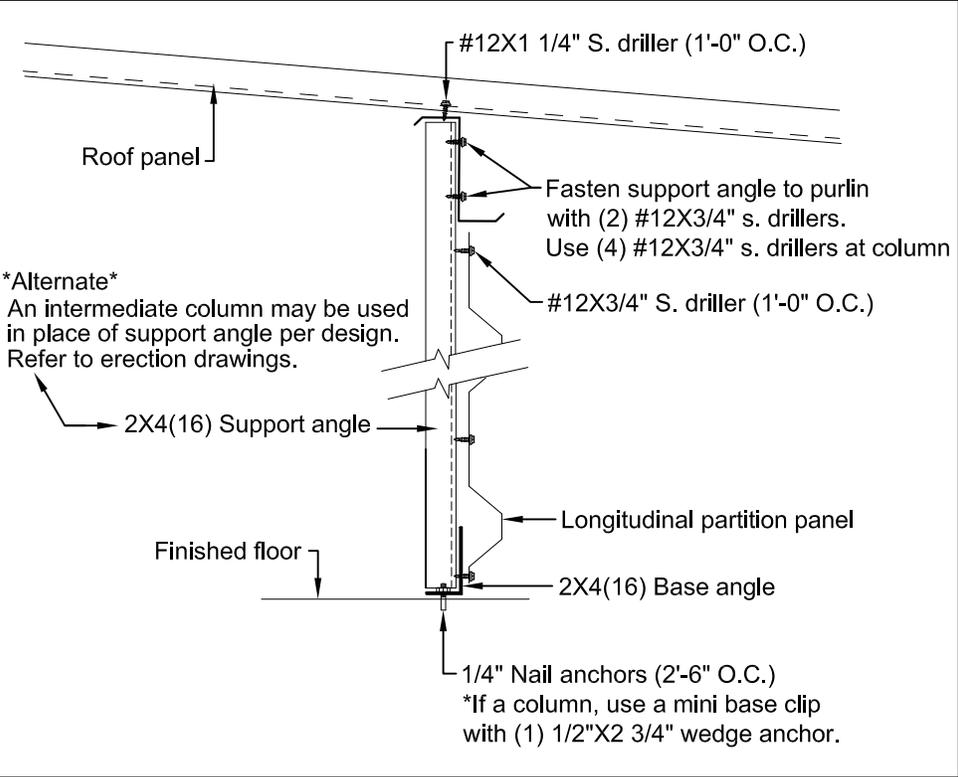
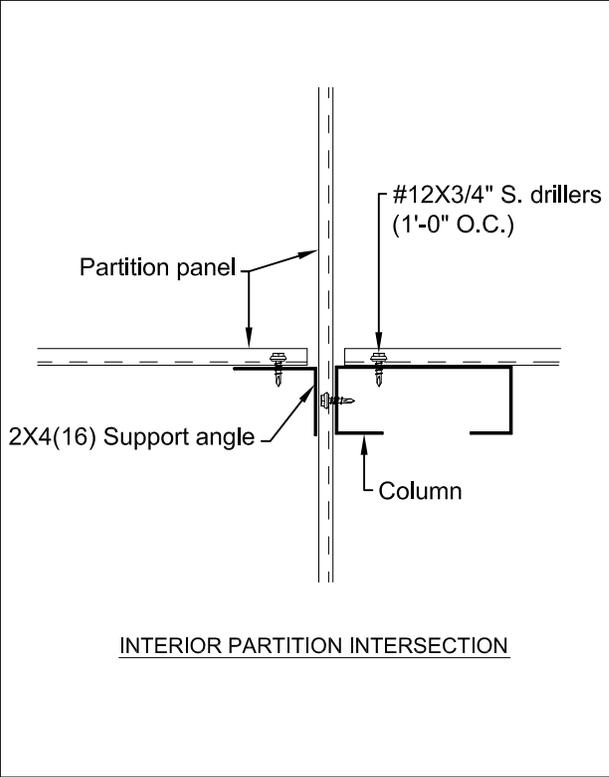
*Note: Replace eave angle with eave trim if there is no gutter.



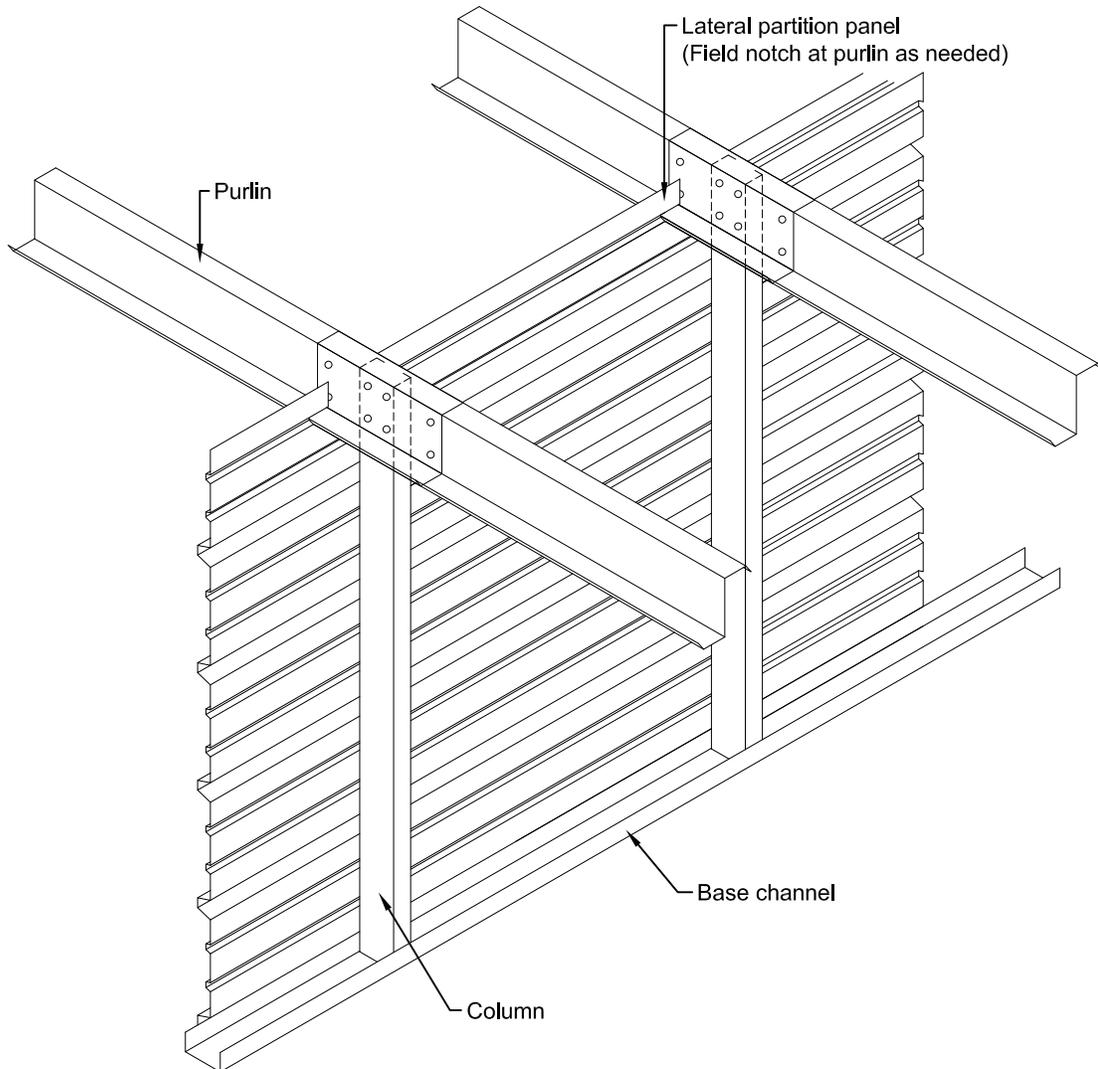
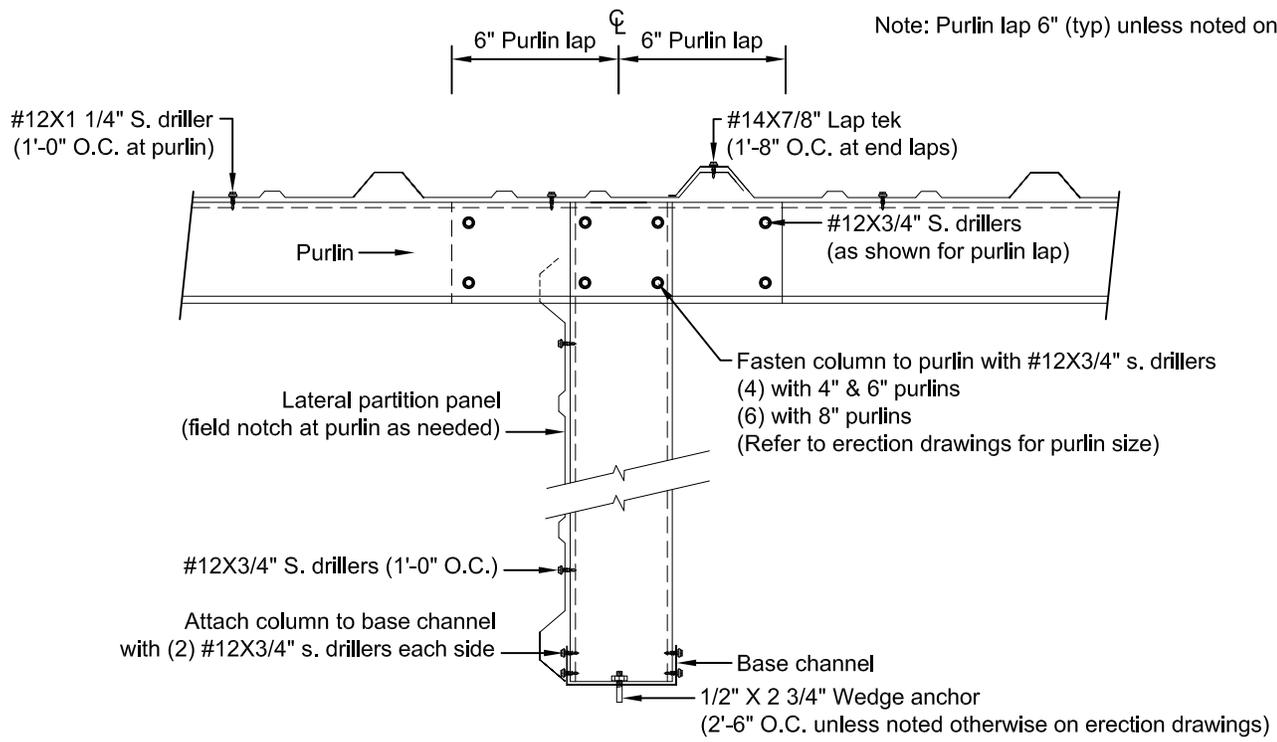
Optional gutter overflow detail

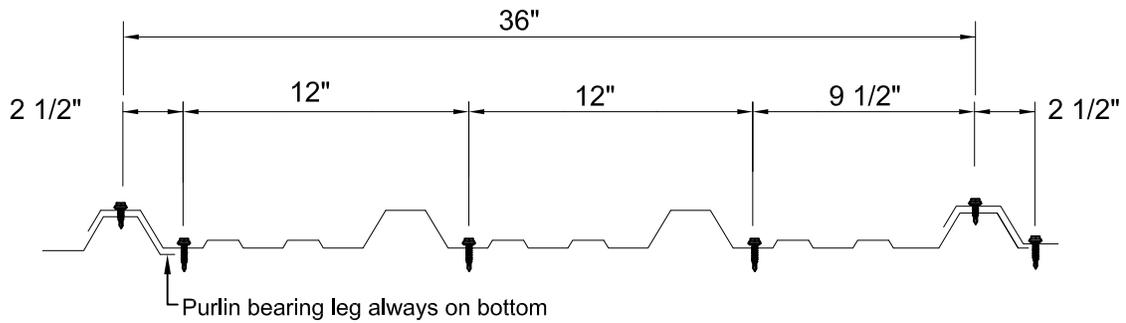




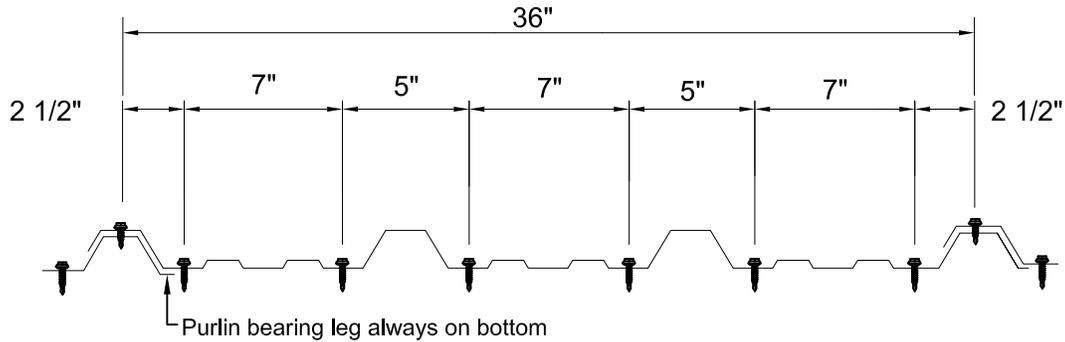


Note: Purlin lap 6" (typ) unless noted on erection drawings.

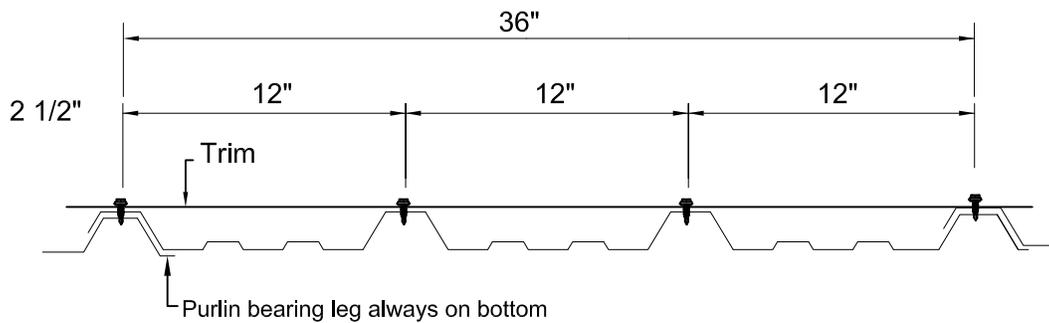




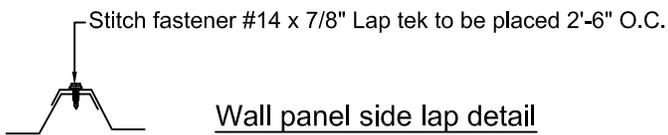
Pattern #1
At intermediate support



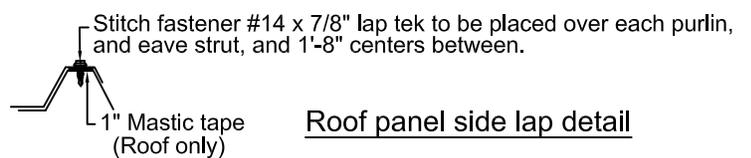
Pattern #2
At eave or endlap



Pattern #3
At trim at roof



Wall panel side lap detail

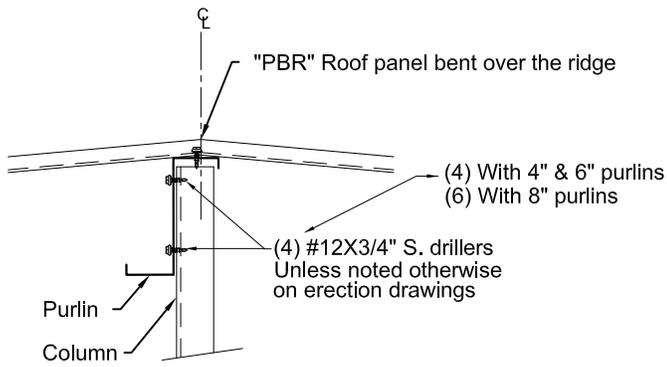


Roof panel side lap detail

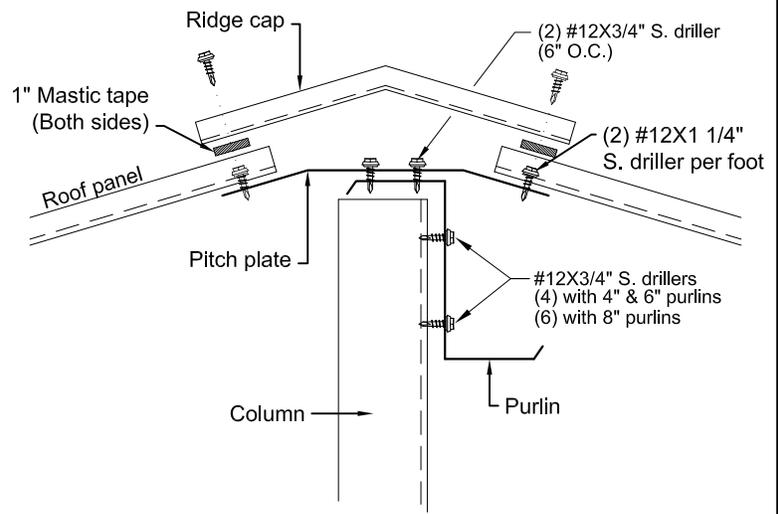
Warning! The roof should be swept clean of any drill shavings at the end of each day to prevent rust.

Wall Panel Fasteners - Panel to girt connections to be #12-14x1 1/4" self drilling hex head with 5/8" O.D. washer 12" O.C.
 Spacing at base, eave and endlaps to be in a 5-7-5-7 repeating pattern.
 Spacing for panel to panel connections to be 2'-6" O.C. with a fastener located over each girt.
Girts - No. 16 MSG min. gauge steel. (55 ksi minimum yield strength)

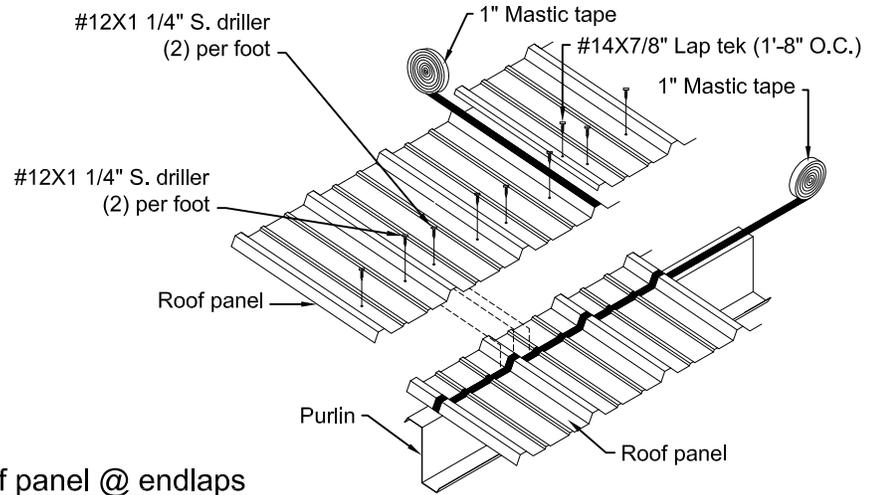
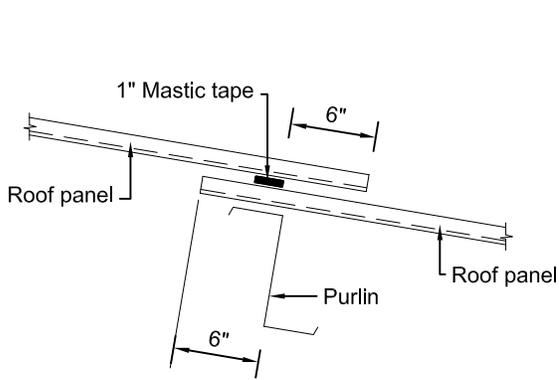
Roof Panel Fasteners - Panel to purlin connections to be #12-14x1 1/4" self drilling hex head with 5/8" O.D. washer 12" O.C.
 Spacing at eave, peak and endlaps to be in a 5-7-5-7 repeating pattern.
 Spacing for panel to panel connections to be 1'-8" O.C. with a fastener located over each purlin.
Purlins - No. 16 MSG min. gauge steel. (55 ksi minimum yield strength)



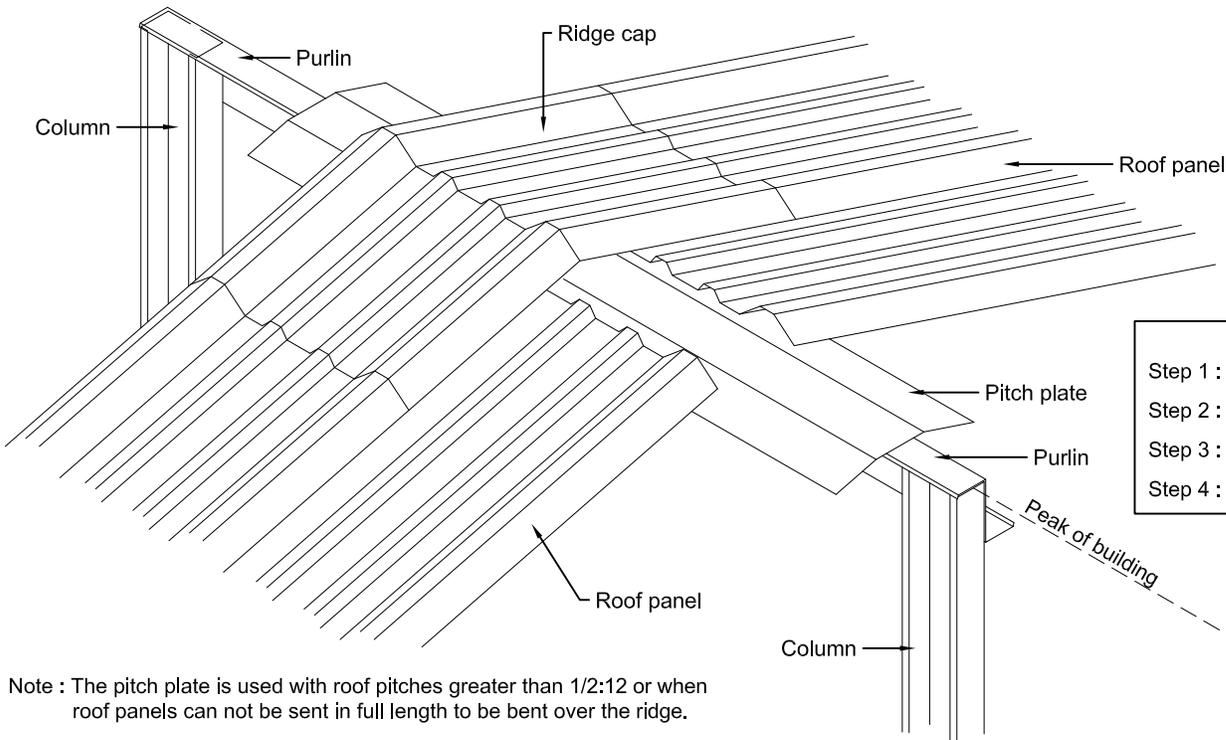
Peak condition for gable buildings with (1) piece roof panel.



Peak condition for gable buildings with ridge cap.



Roof panel @ endlaps



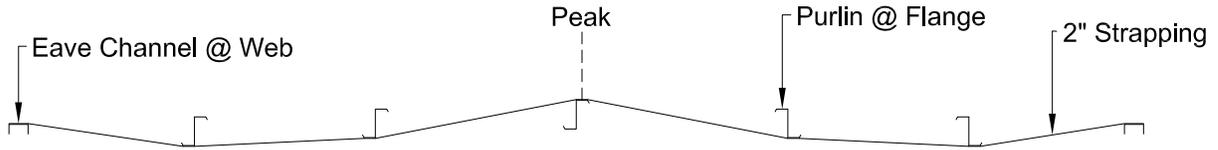
- Erection sequence**
- Step 1 : Purlin attaches to cee column
 - Step 2 : Pitch plate attaches to top of purlin
 - Step 3 : Roof panel attaches to pitch plate
 - Step 4 : Ridge cap attaches to roof panel

Note : The pitch plate is used with roof pitches greater than 1/2:12 or when roof panels can not be sent in full length to be bent over the ridge.

Lateral Roof Strapping - Screw Down Roof

Attach Strapping with (4) #12 x 1" Flat Head S. Drillers at Eave Channel Web and (2) #12 x 1" Flat Head S. Drillers at each Purlin Flange.

Note: All Strapping must be pulled tight. No sagging allowed.



	C1	C1	C1	C1
	C5	C2	C2	C2
	C6	C2	C2	C2
	C7	C4	C4	C4
	C6	C2	C2	C2
	C5	C2	C2	C2
	C1	C1	C1	C1

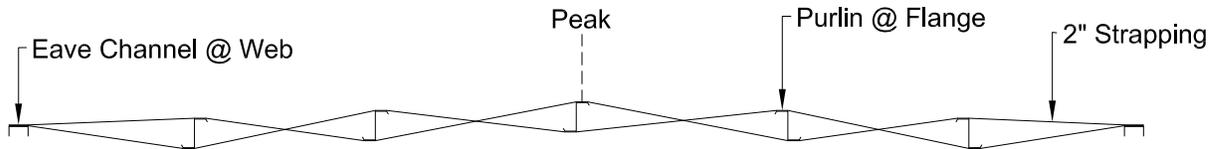
Lateral strapping
(As shown above)

Example of lateral strapping as shown on Roof Framing Plan of Erection Drawings. Strapping to be located as shown on the Erection Drawings.

Lateral Roof Strapping - Standing Seam Roof

Attach Strapping with (4) #12 x 1" Flat Head S. Drillers at Eave Channel Web and (2) #12 x 1" Flat Head S. Drillers at each Purlin Flange.

Note: All Strapping must be pulled tight. No sagging allowed.



	C1	C1	C1	C1
	C5	C2	C2	C2
	C6	C2	C2	C2
	C7	C4	C4	C4
	C6	C2	C2	C2
	C5	C2	C2	C2
	C1	C1	C1	C1

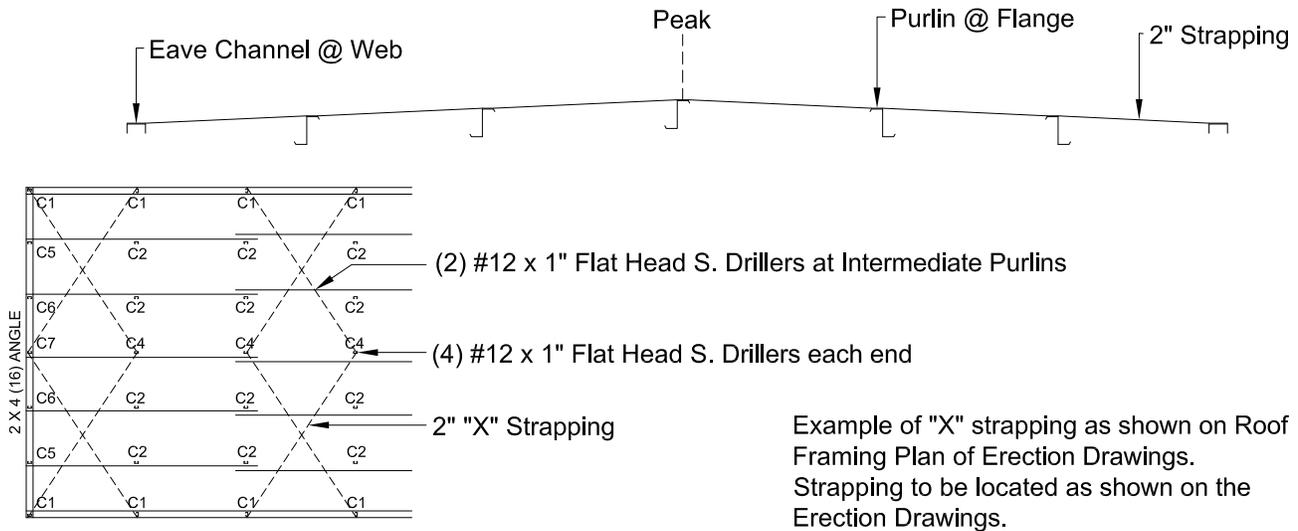
Lateral strapping
(Top and bottom as shown above)

Example of lateral strapping as shown on Roof Framing Plan of Erection Drawings. Strapping to be located as shown on the Erection Drawings.

"X" Strapping - Roof

Attach Strapping with (4) #12 x 1" Flat Head S. Drillers at each end and (2) #12 x 1" Flat Head S. Drillers at each Intermediate Member.

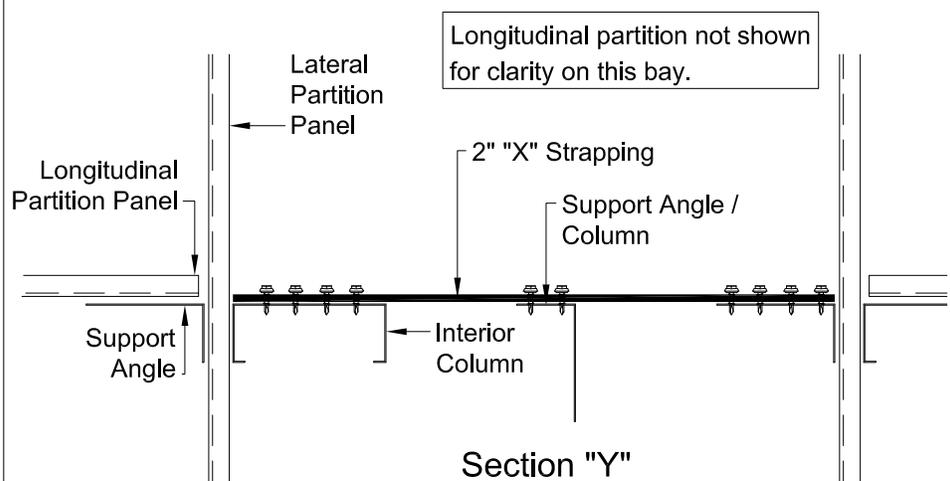
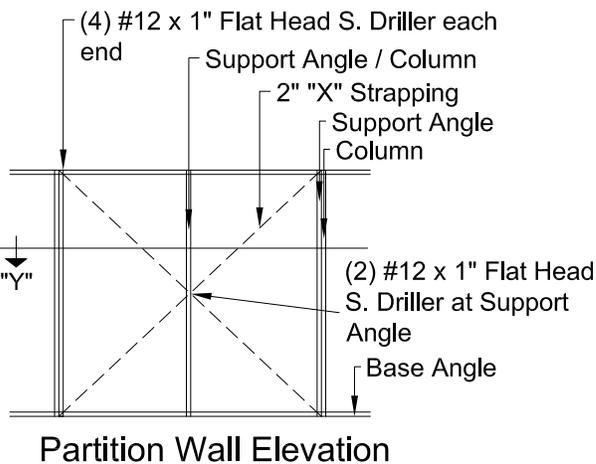
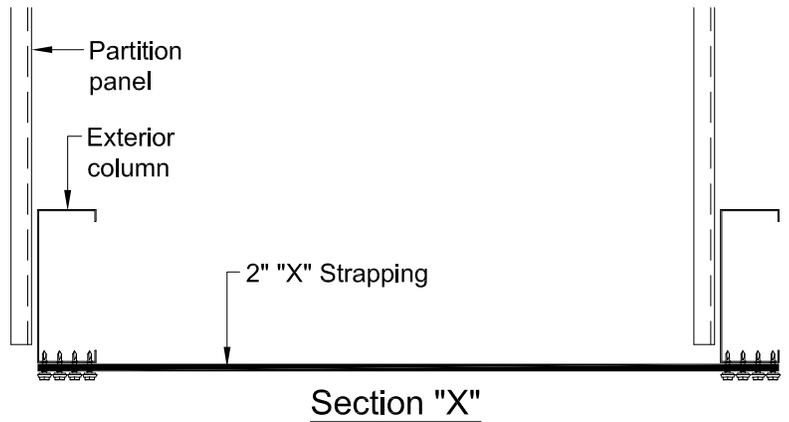
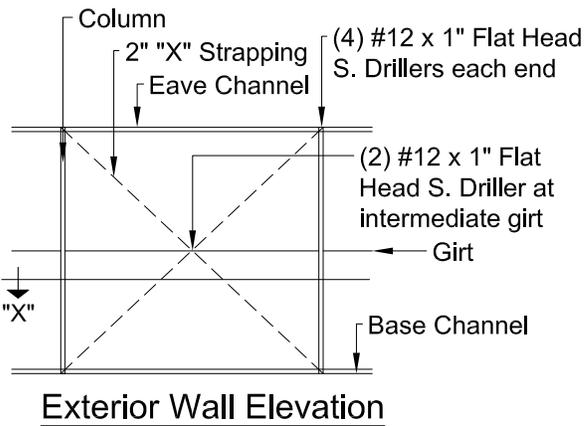
Note: All Strapping must be pulled tight. No sagging allowed.

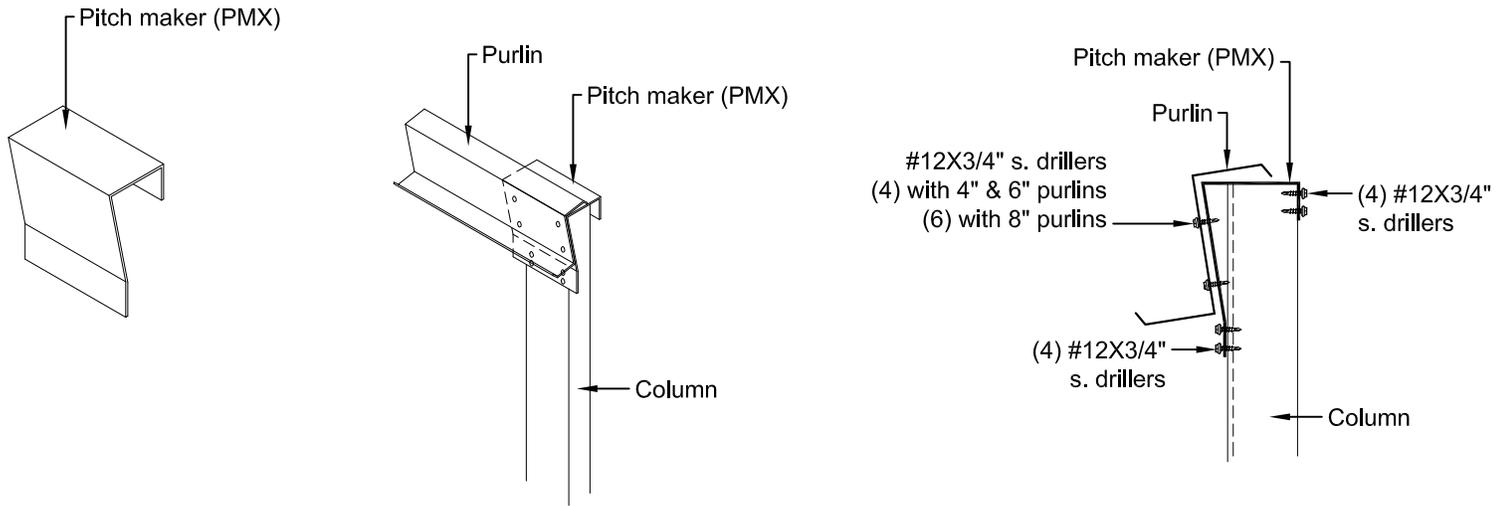


"X" Strapping - Wall

Wall "X" strapping must attach to column to column with (4) #12 x 1" Flat Head S. Drillers each end and (2) #12 x 1" Flat Head S. Drillers at all intermediate girts, support angles, and columns. Strapping is located between columns and panels.

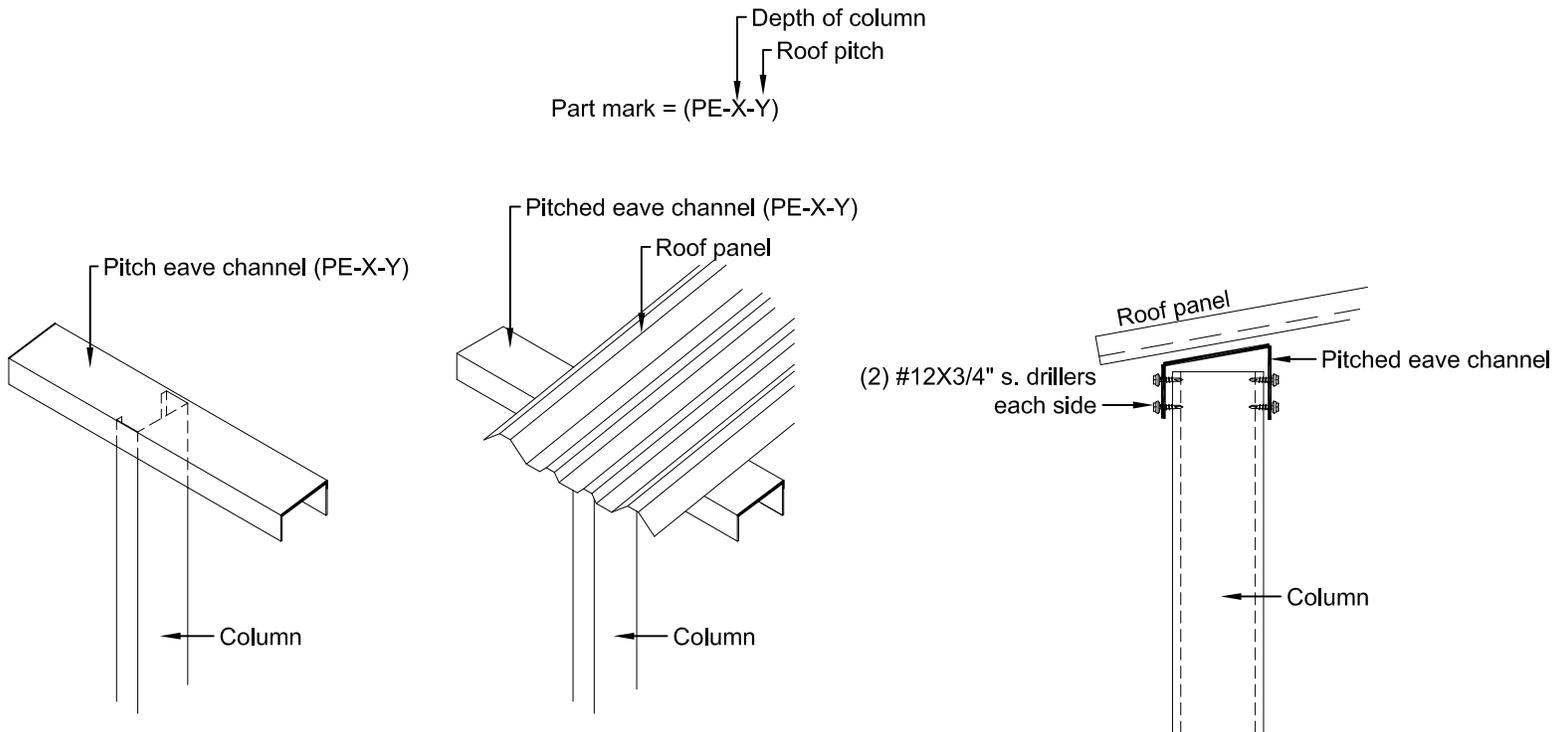
Attachment is to web or flange in plane. Strapping is installed prior to panel installation.





Pitch maker attachment

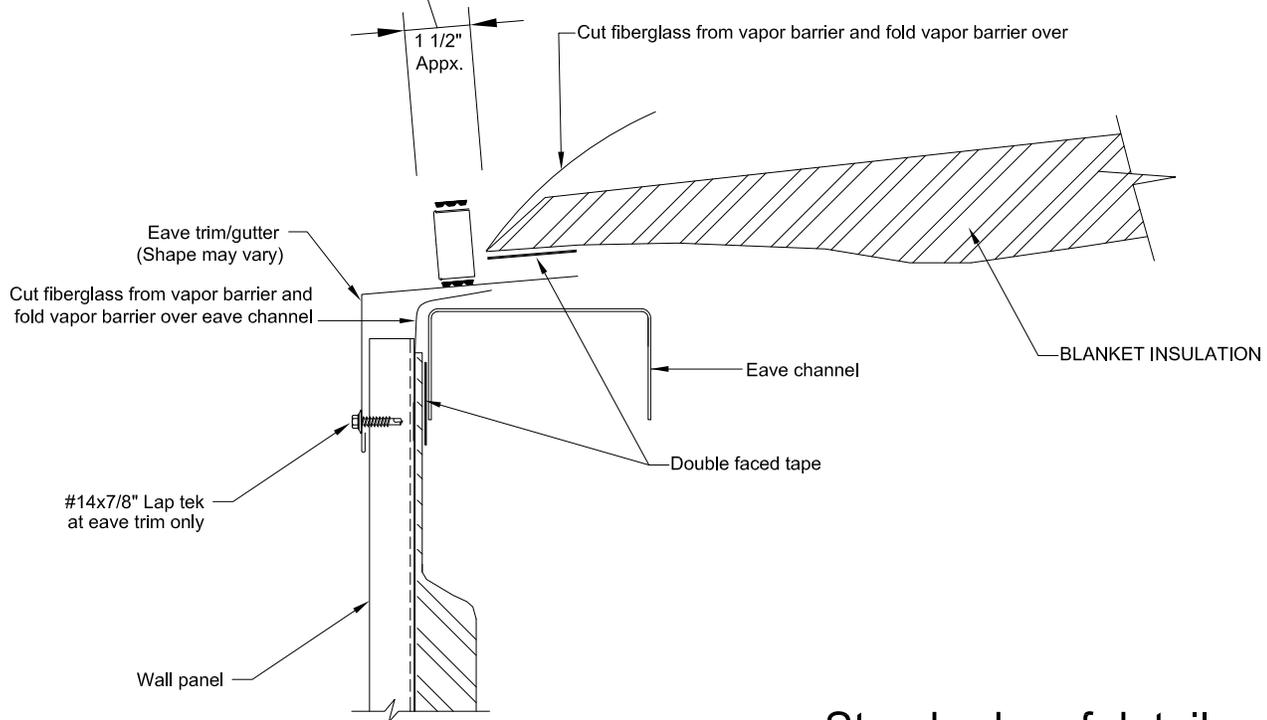
Note: Pitch maker is used on buildings with a (2:12) pitch or greater only.
 The pitch maker will attach directly on top of the column, then the purlin will attach to the pitch maker at the same pitch as the roof.



Pitched eave channel

Note: For buildings with a (1:12) pitch or greater only.

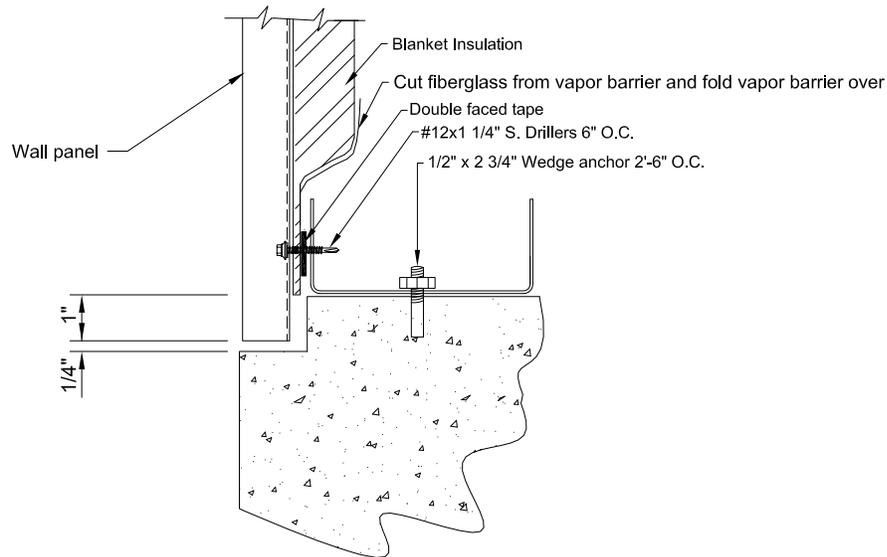
Allow room to install mastic tape and closure strip



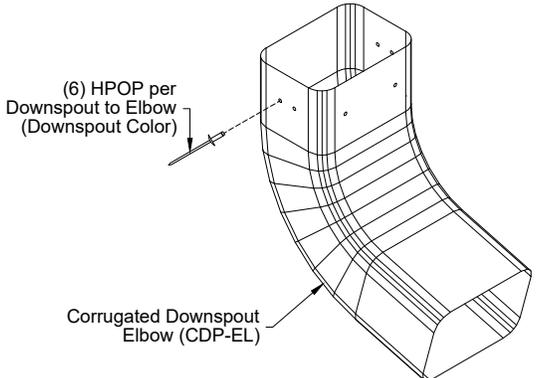
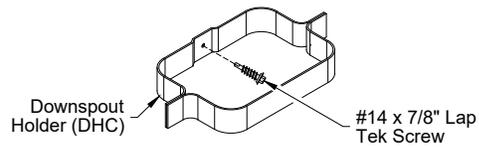
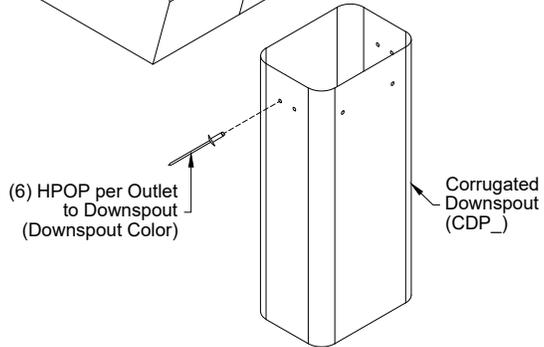
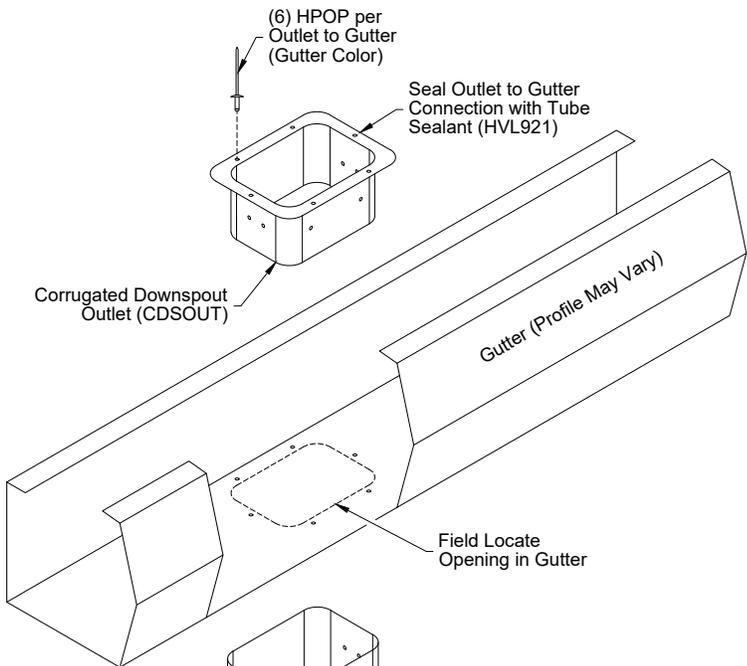
Standard roof detail

Notes:

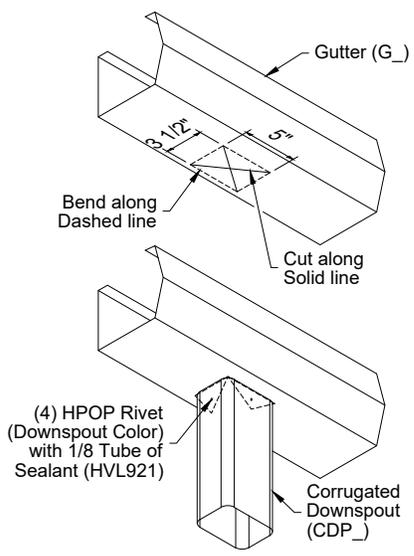
1. Do not allow insulation to wick moisture.
2. Never cut the insulation off even with the edge of the panels.
3. Trim excess fiberglass from vapor barrier back and fold vapor barrier over fiberglass 3" at base and eave.
4. Insulation which wicks moisture will damage panels and void any panel warranty.



Standard base detail

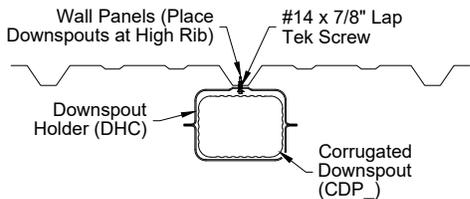


Downspout Outlet Option 2

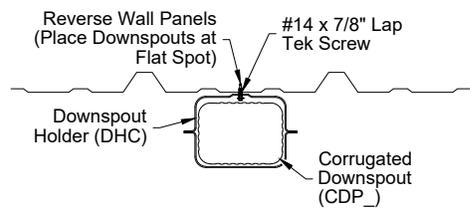


Downspout Strap Attachment

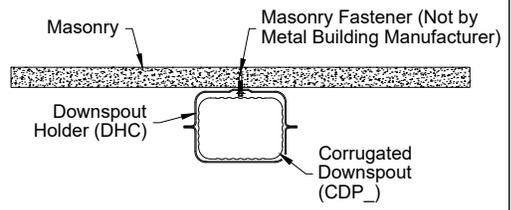
"PBR" Panel Attachment



Reverse "PBR" Panel Attachment

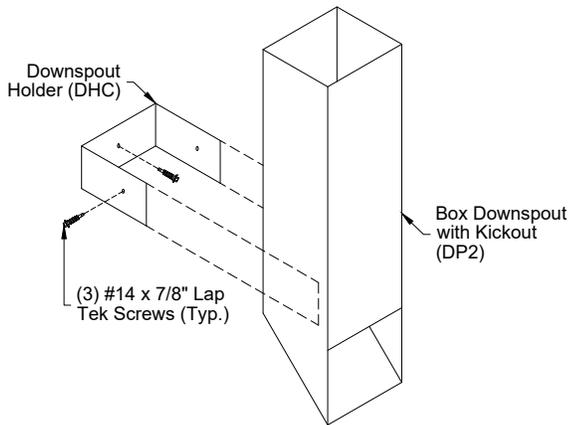
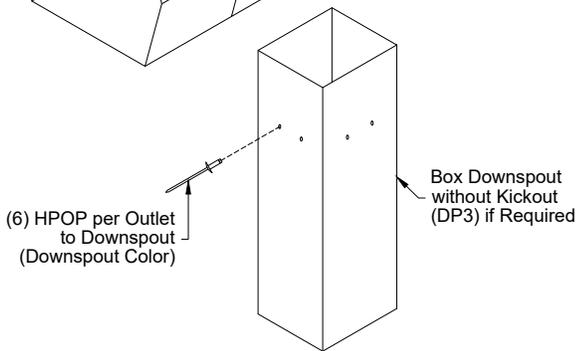
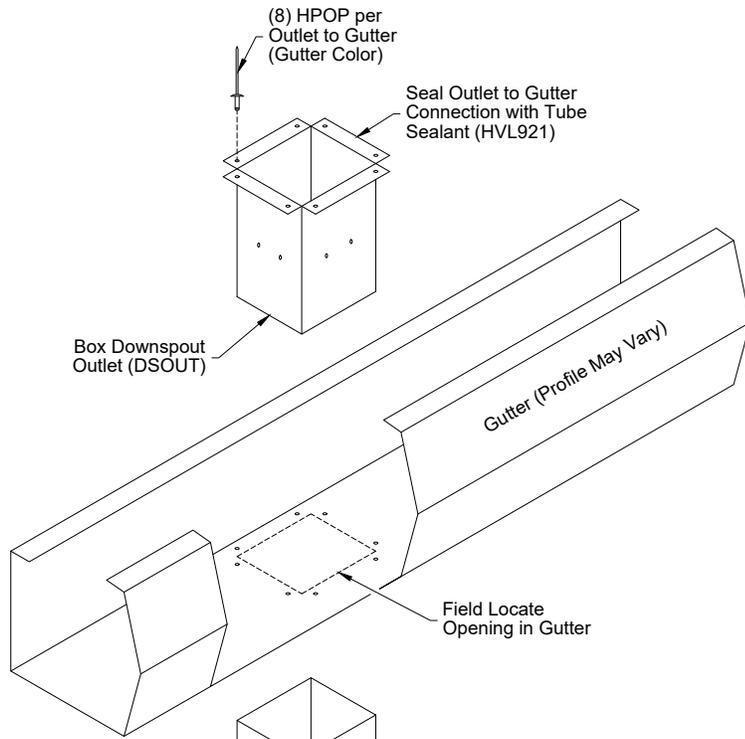


Masonry Wall Attachment

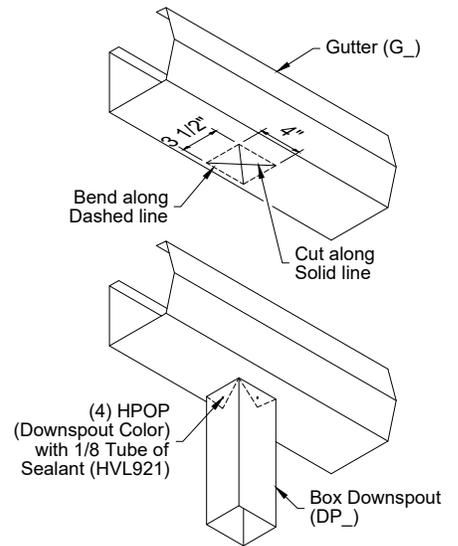


Notes:

1. Locate all downspouts along sidewall per Downspout Strap Attachment Detail, one at each end and spaced evenly between.
2. A splice is required for eave height greater than 12'-0". Always measure the required length starting at the swaged end. After cutting to length, insert the swaged end of the cut downspout into the top of the lower downspout / elbow.
3. Downspout straps are located at the bottom of a downspout, below a splice, and at the midpoint of downspouts longer than 10'-6".

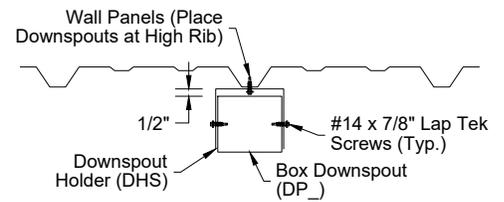


Downspout Outlet Option 2

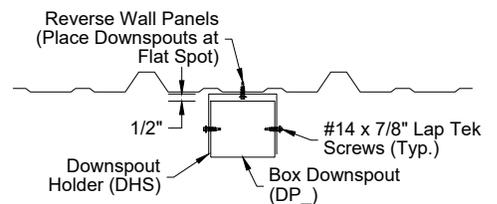


Downspout Strap Attachment

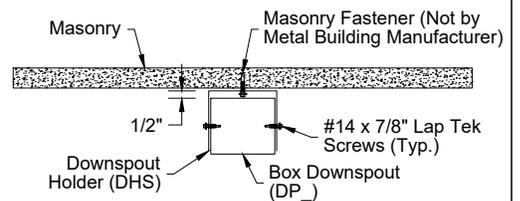
"PBR" Panel Attachment



Reverse "PBR" Panel Attachment



Masonry Wall Attachment



Notes:

1. Locate all downspouts along sidewall per Downspout Strap Attachment Detail, one at each end and spaced evenly between.
2. A splice is required for eave height greater than 20'-0". Always measure the required length starting at the swaged end. After cutting to length, insert the swaged end of the cut downspout into the top of the lower downspout / elbow.
3. Downspout straps are located at the bottom of a downspout, below a splice, and at the midpoint of downspouts longer than 10'-6".