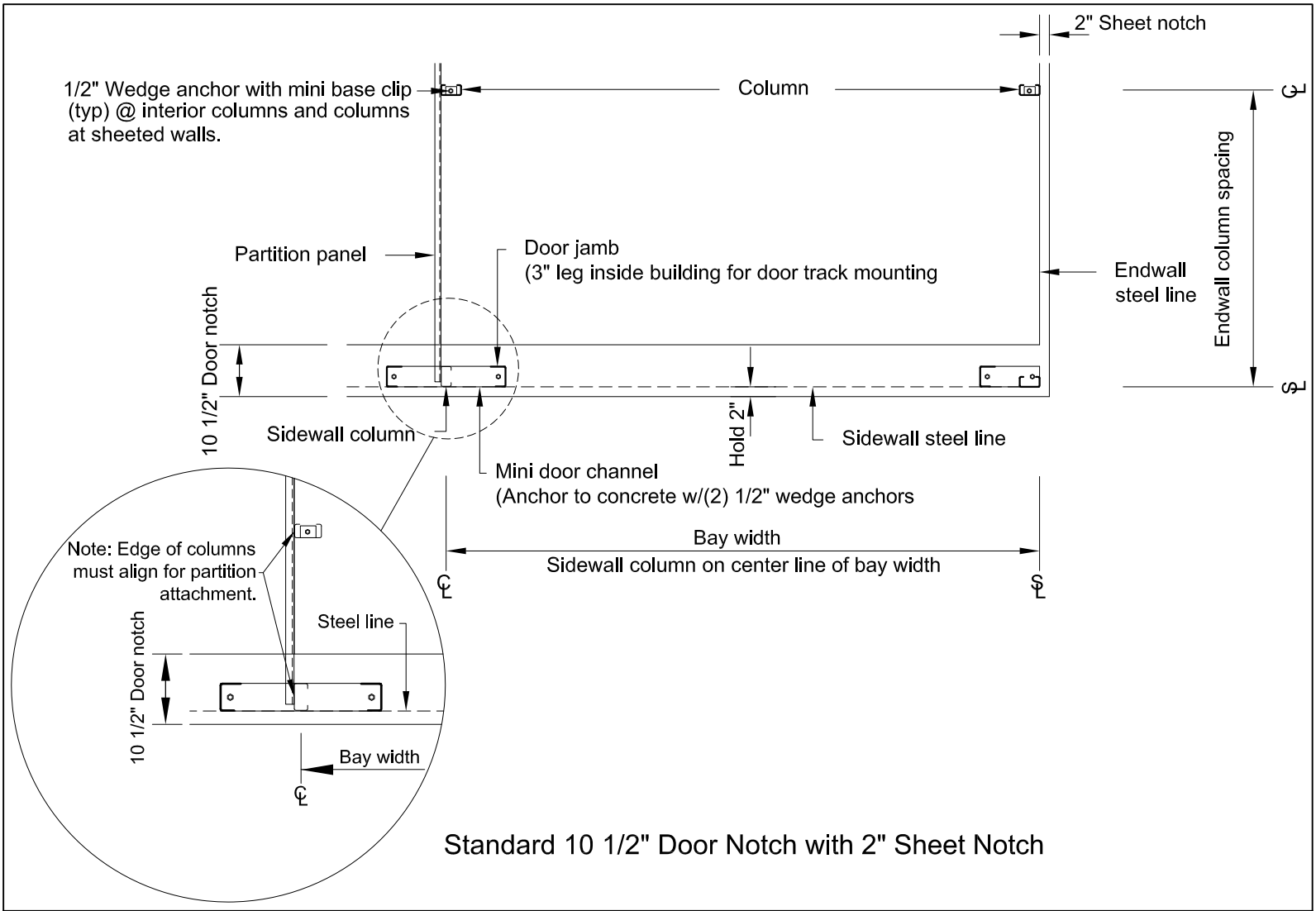
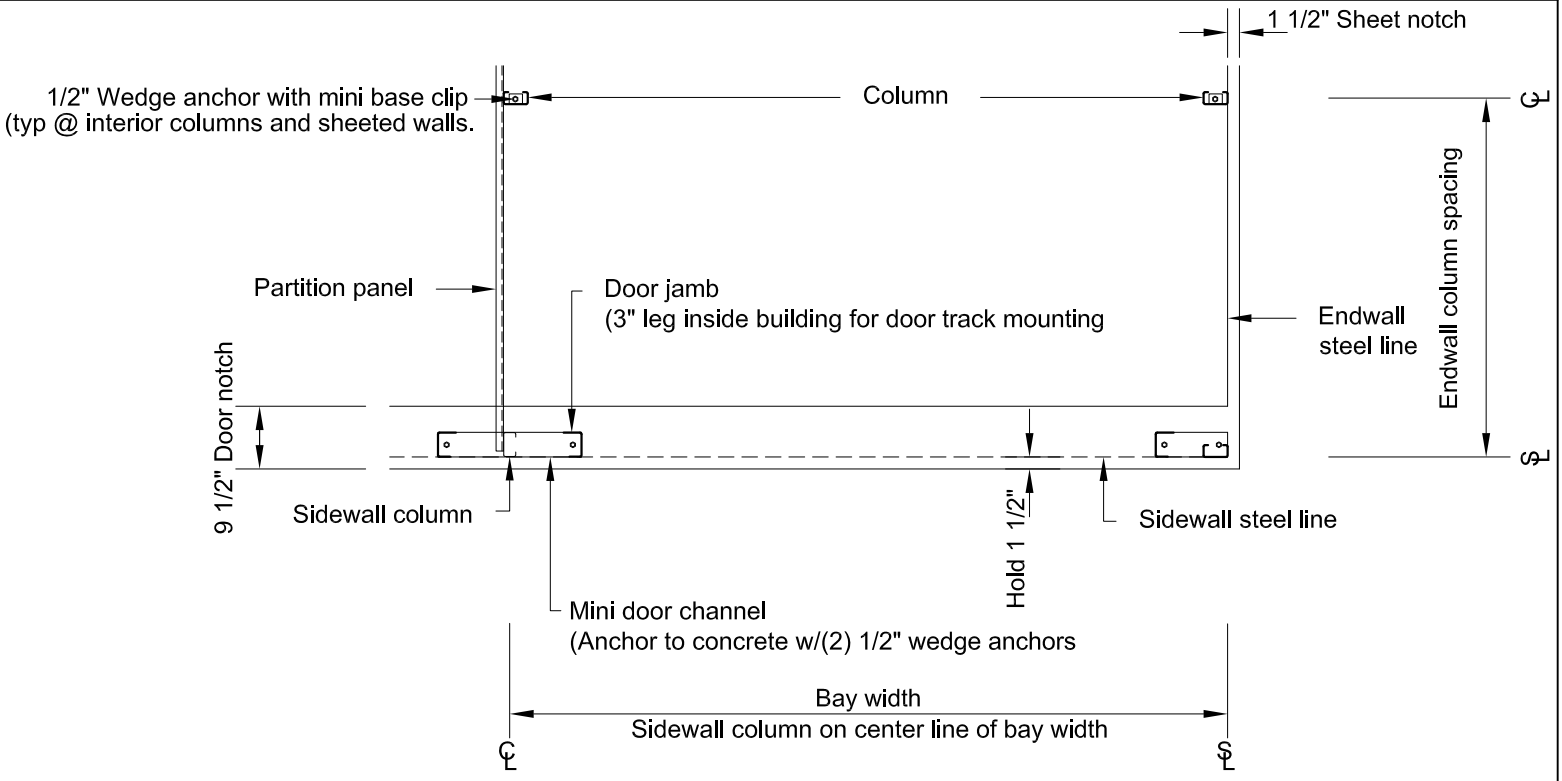
Table of Contents

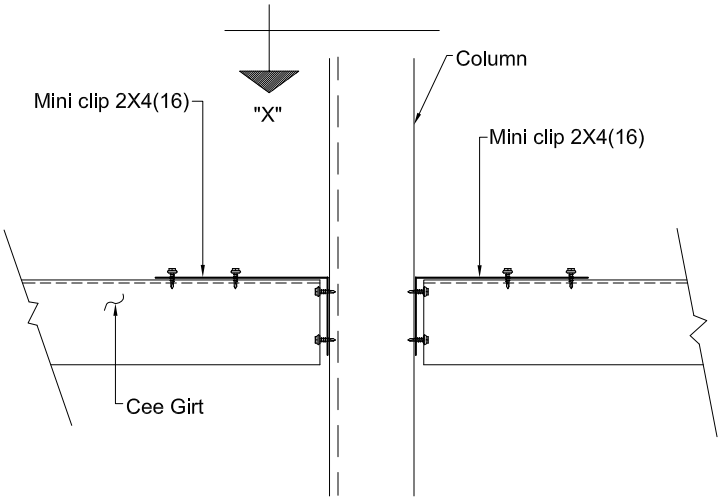


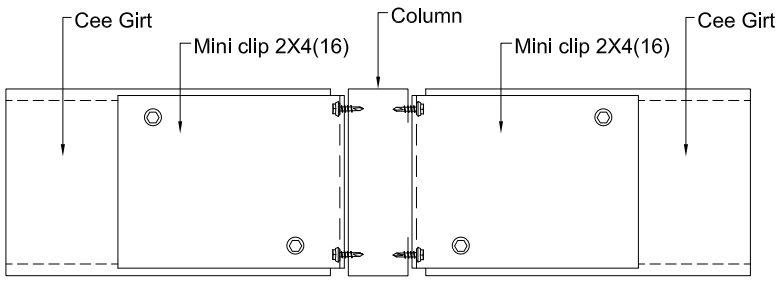
Standard 10 1/2" Door Notch with 2" Sheet Notch



Optional 9 1/2" Door Notch with 1 1/2" Sheet Notch

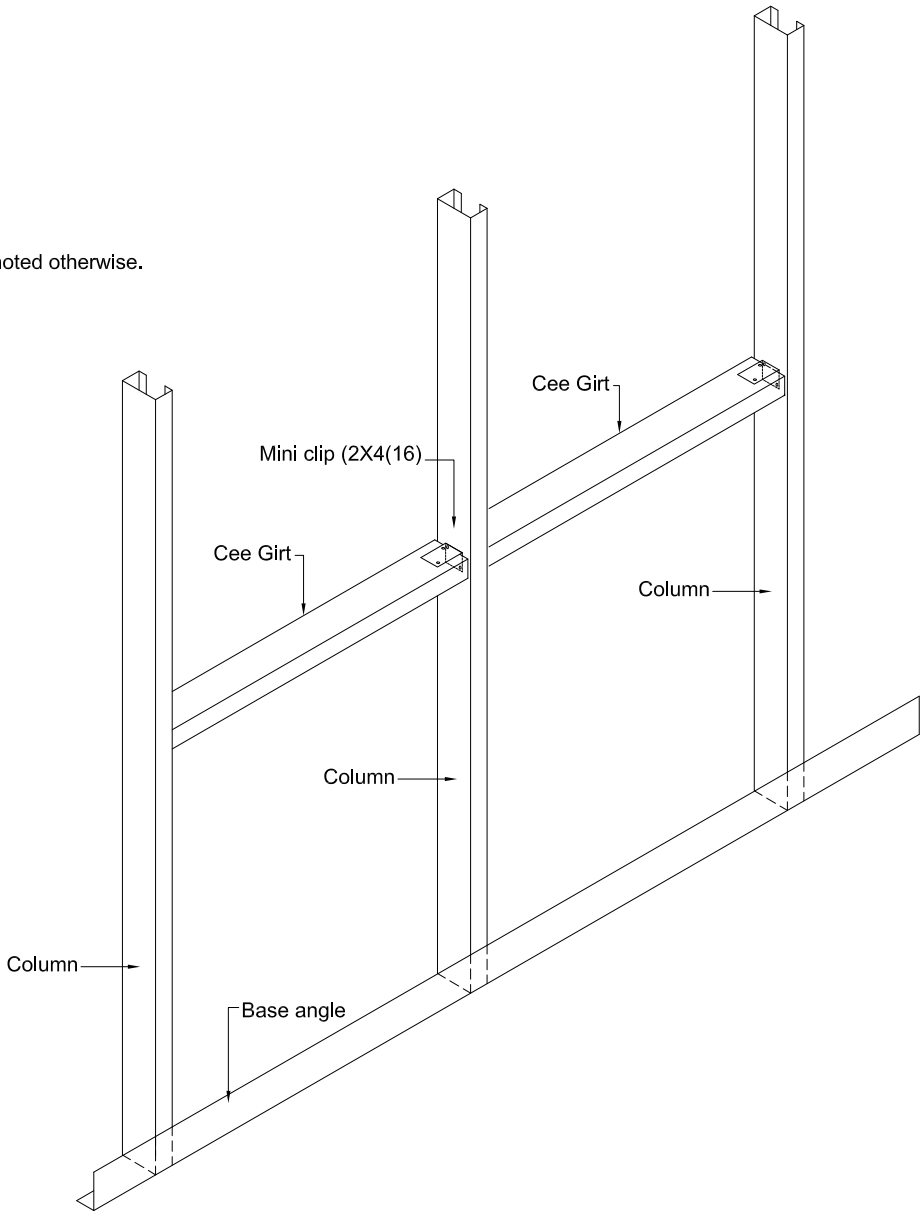
Note : Use (1) #12 X 3/4" self driller in each location of mini clip as shown.
Space the fasteners as far apart as possible.



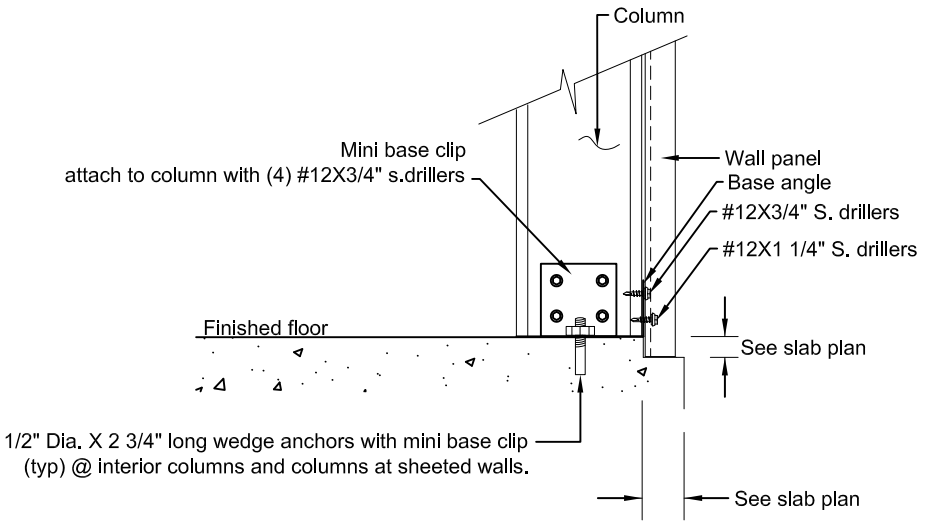


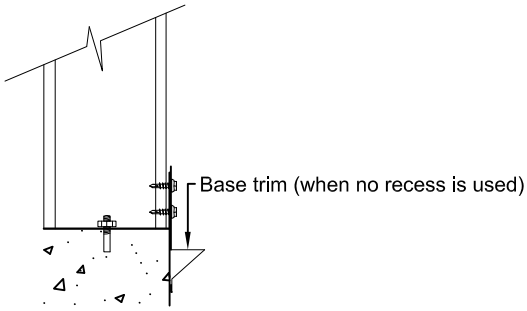
SECTION "X"

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.

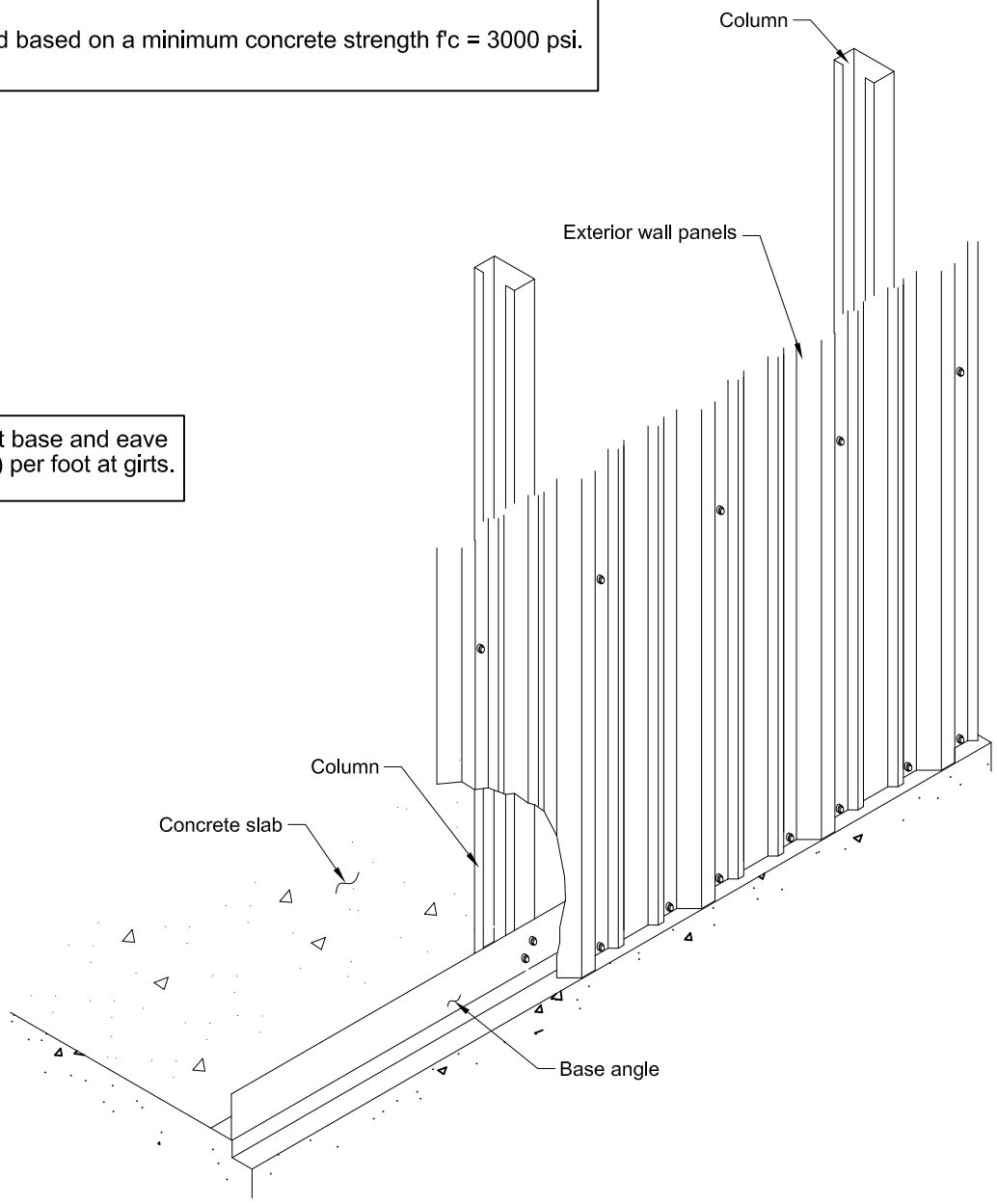


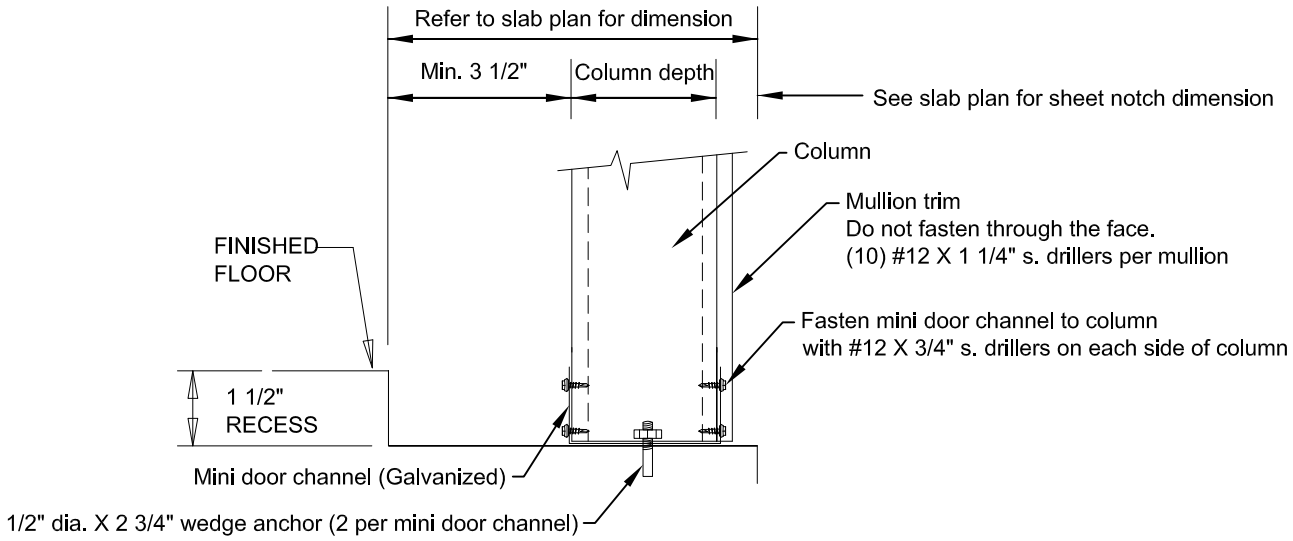


Alternate detail

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

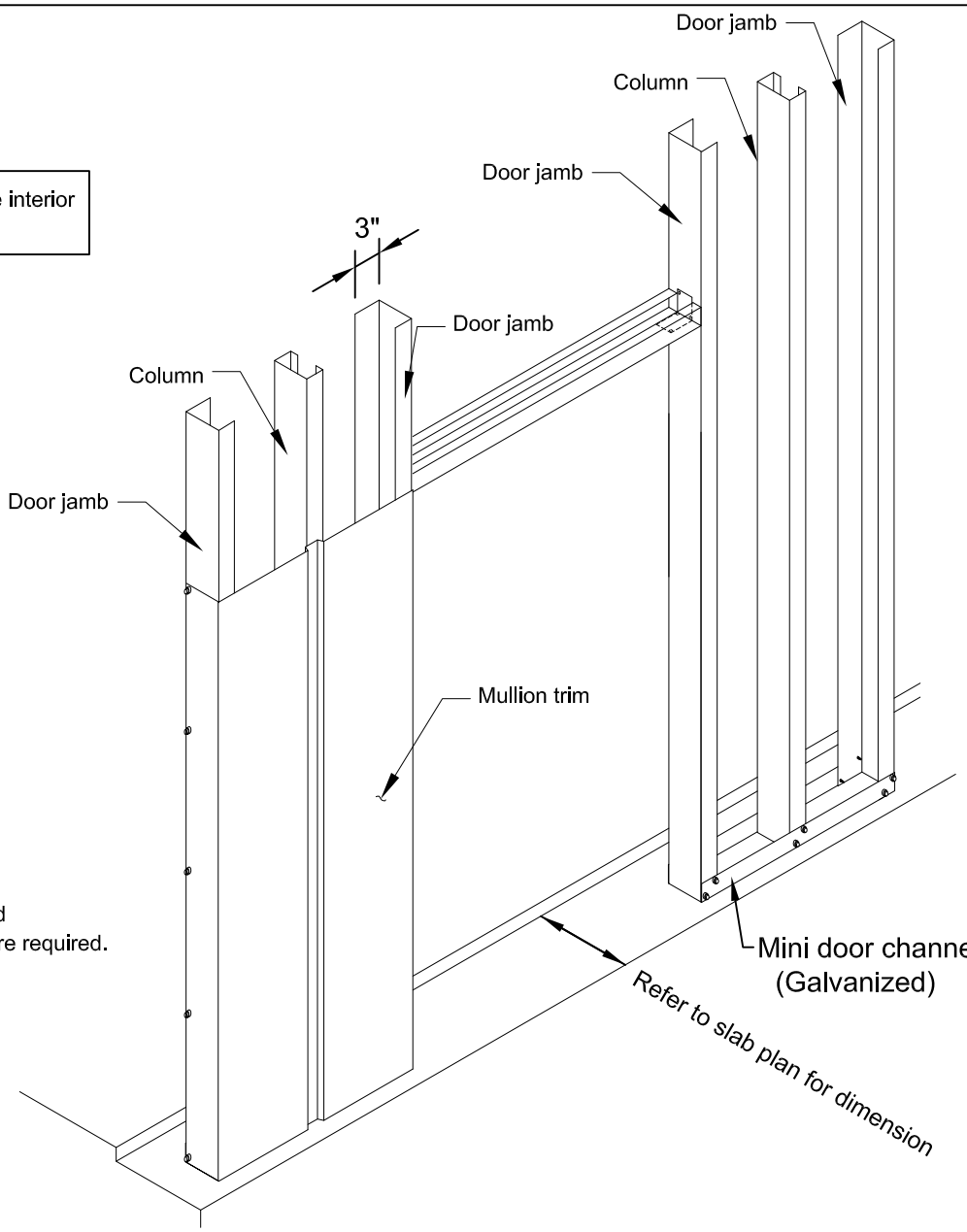
Use (2) #12 X 1 1/4" S. drillers per foot at base and eave for exterior wall panel attachment and (1) per foot at girts.



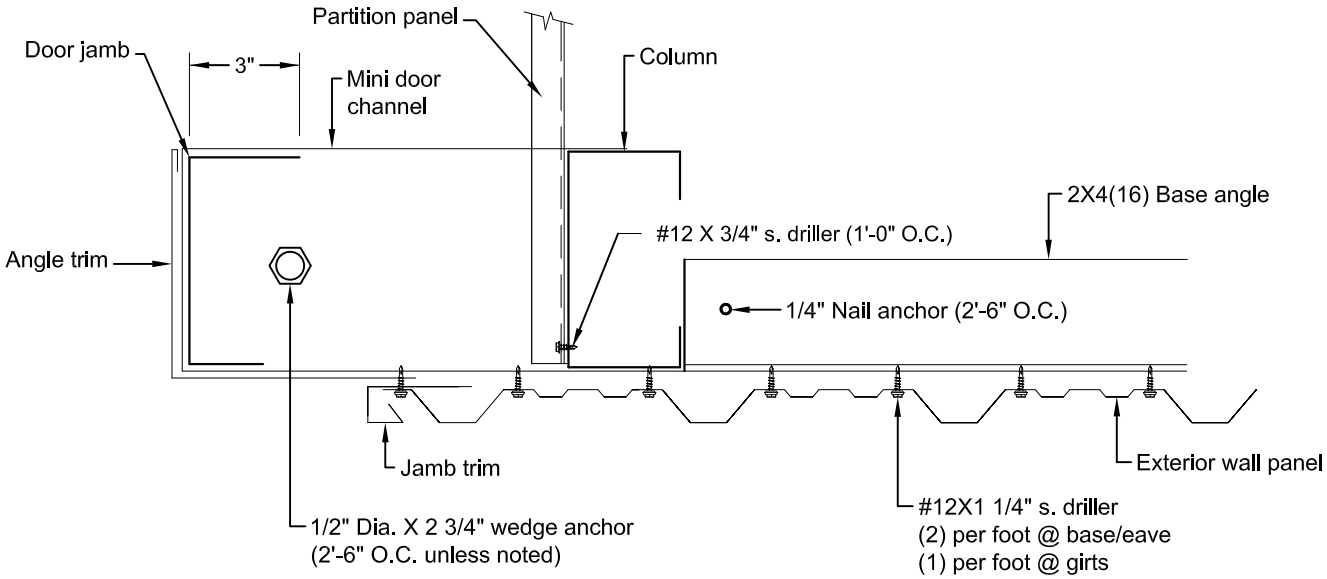


Fasten base channel to column (2) #12X3/4" S. drillers on each side of column when 4" and 6" purlins are used.
Fasten base channel to column (3) #12X3/4" S. drillers on each side of column when 8" purlins are used.

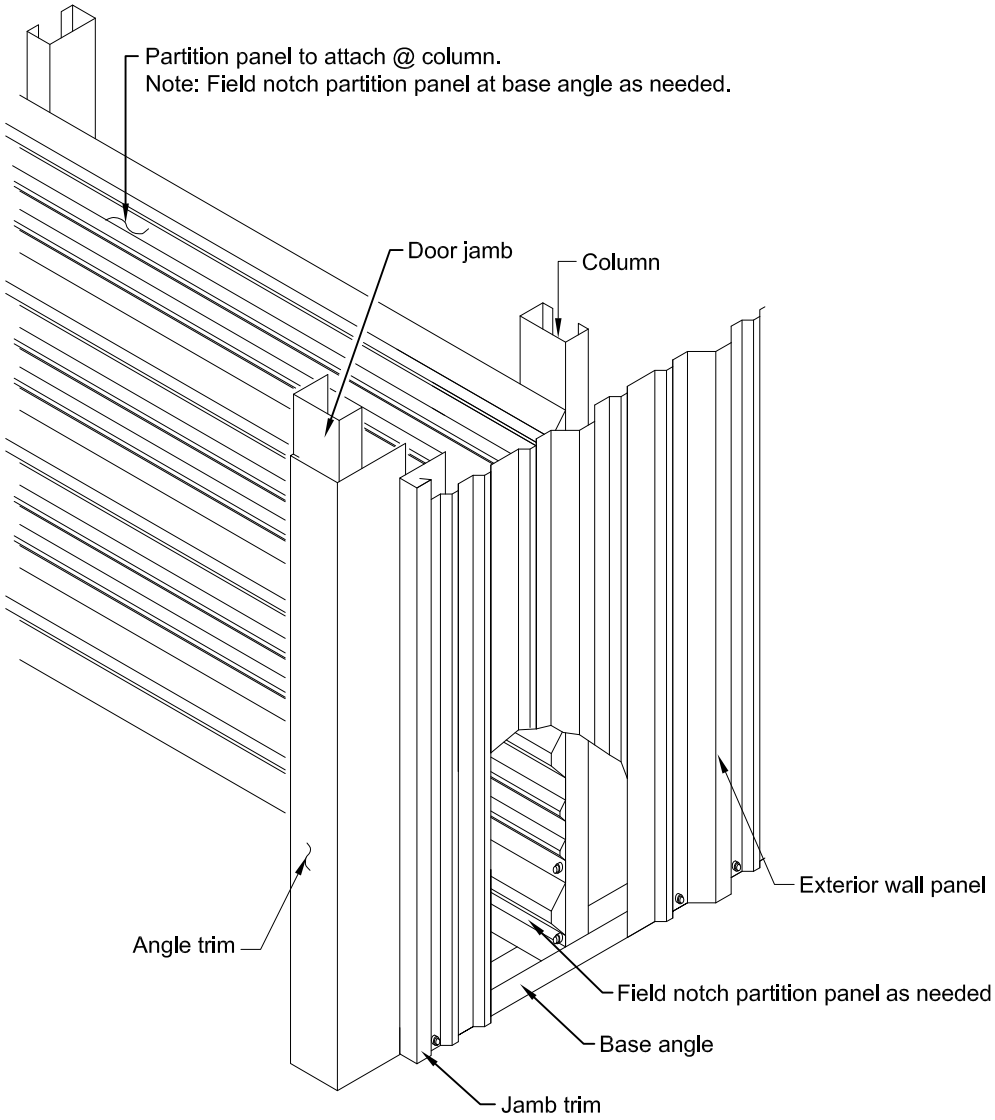
Note: The 3" leg of the door jamb must be on the interior of the building for door track mounting.

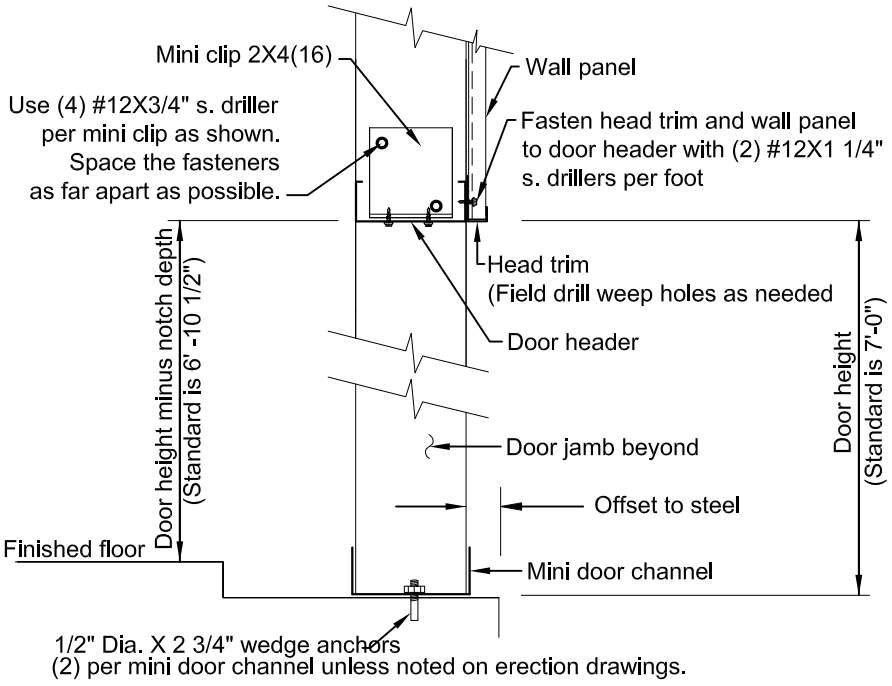


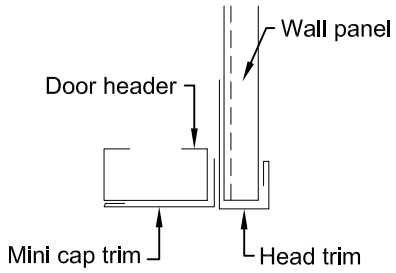
Note: Galvanized mini door channels are stocked in 1'-0" & 2'-0" lengths when 4" columns are required. All others will be red oxide primer.



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

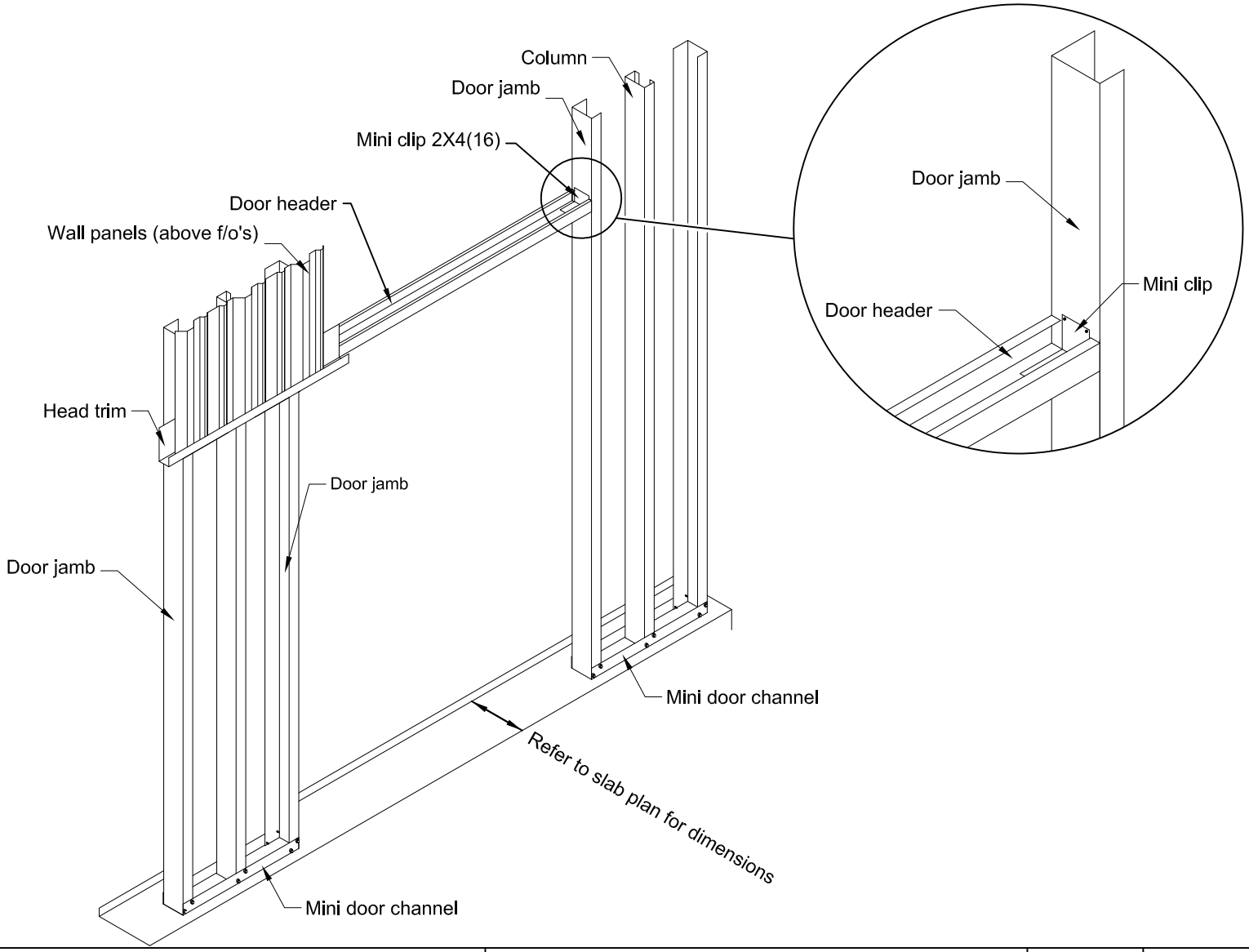




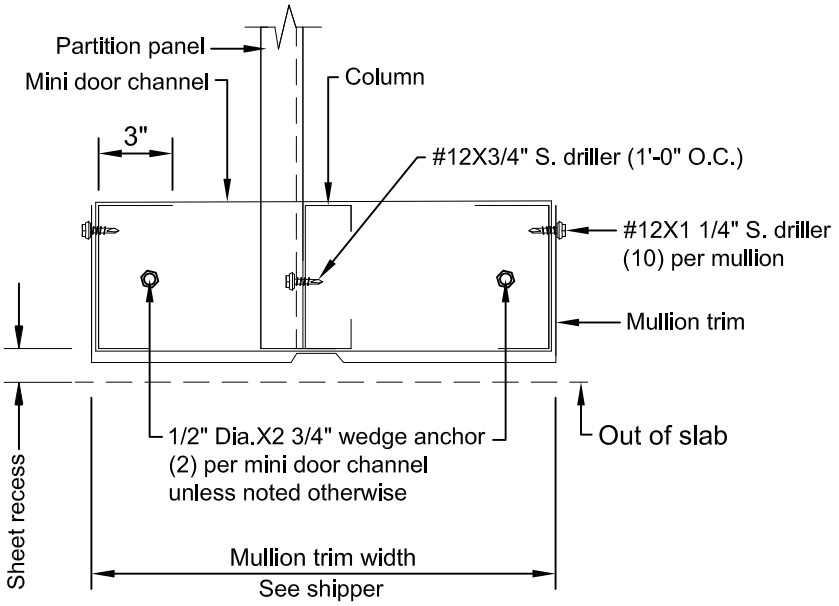


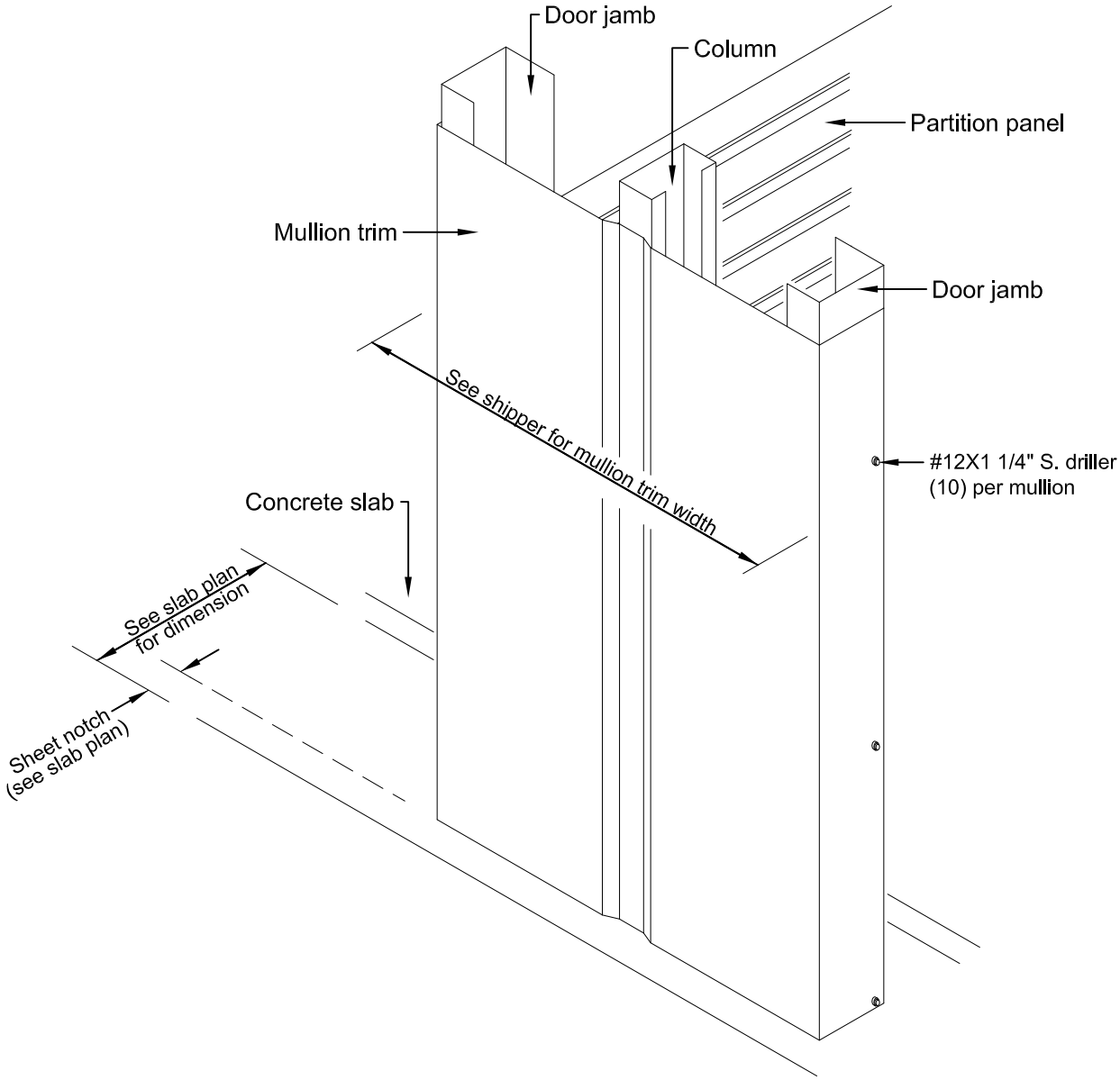
Note: Mini cap trim use (3) #12 x 1/4" s. drillers per piece

Note: Attach head trim to the outside flange of door header after attaching mini cap trim to the header.

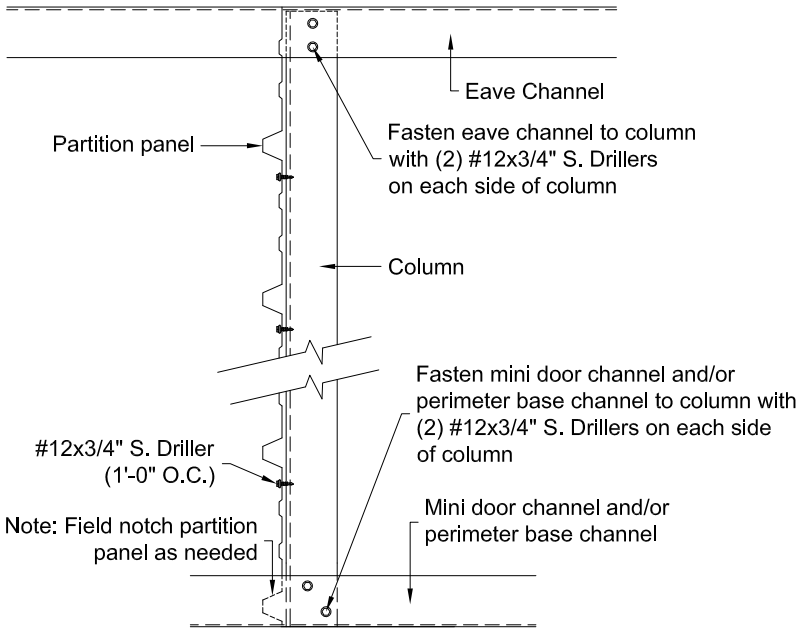


Note: The 3" leg of the door jamb must be on the interior of the building for door track mounting.

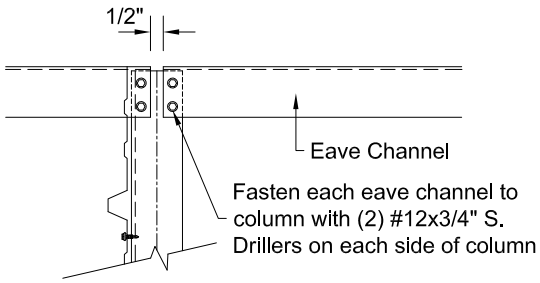




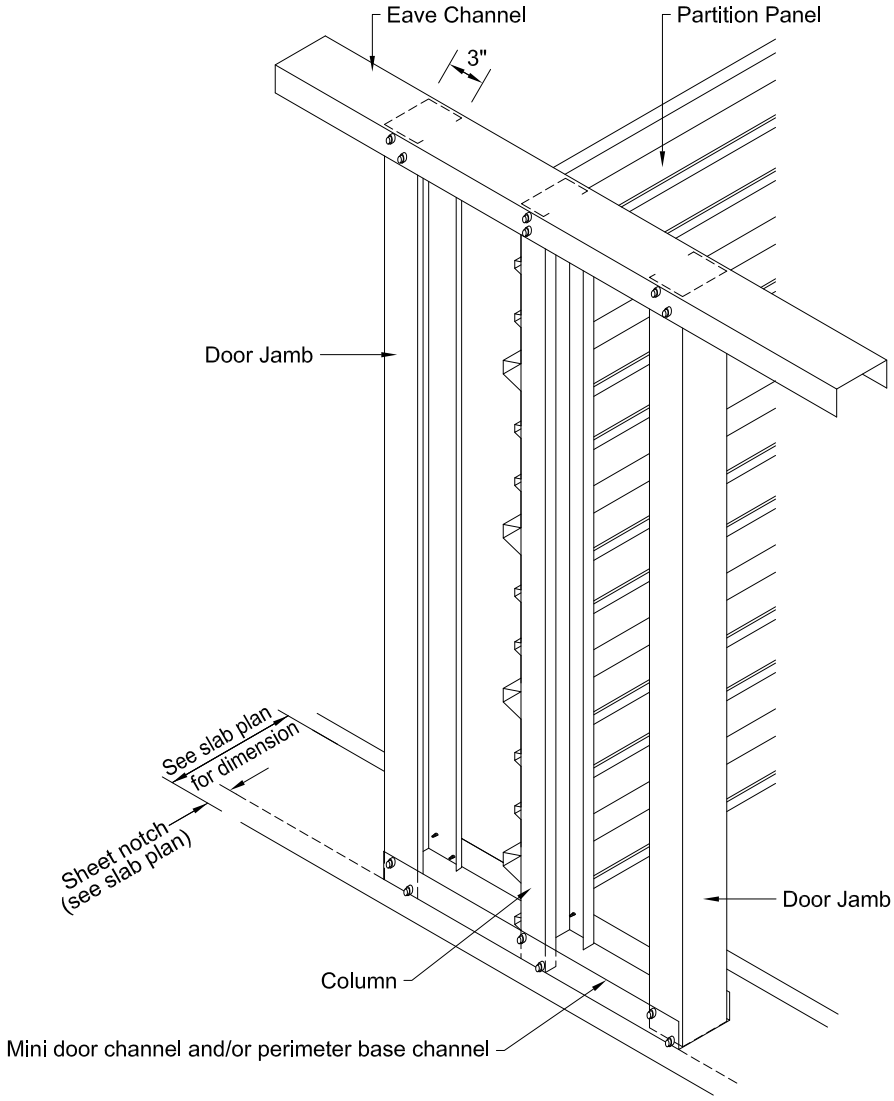
Mid Span of Eave Channel

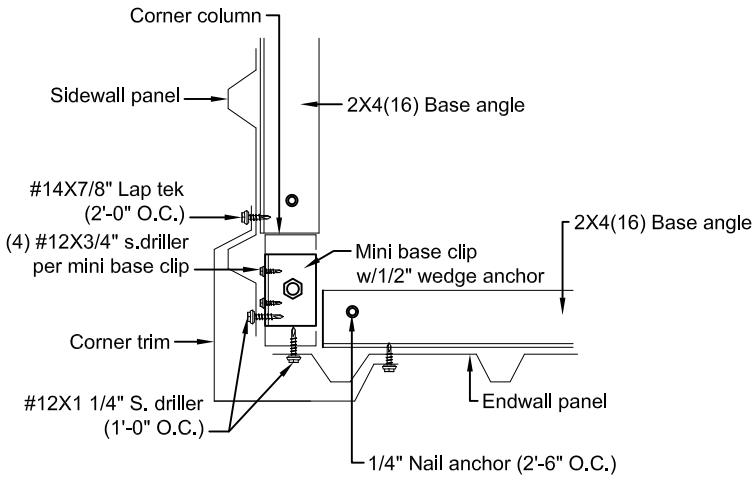


Eave Channel Splice

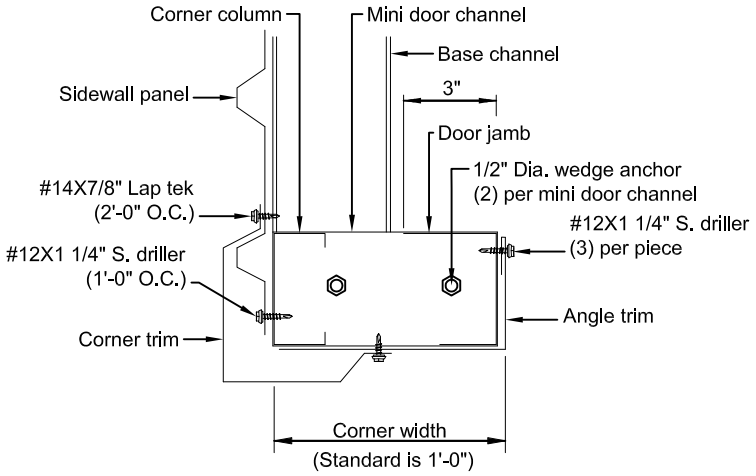


Note: The 3" leg of the door jamb must be on the interior of the building for door track mounting.

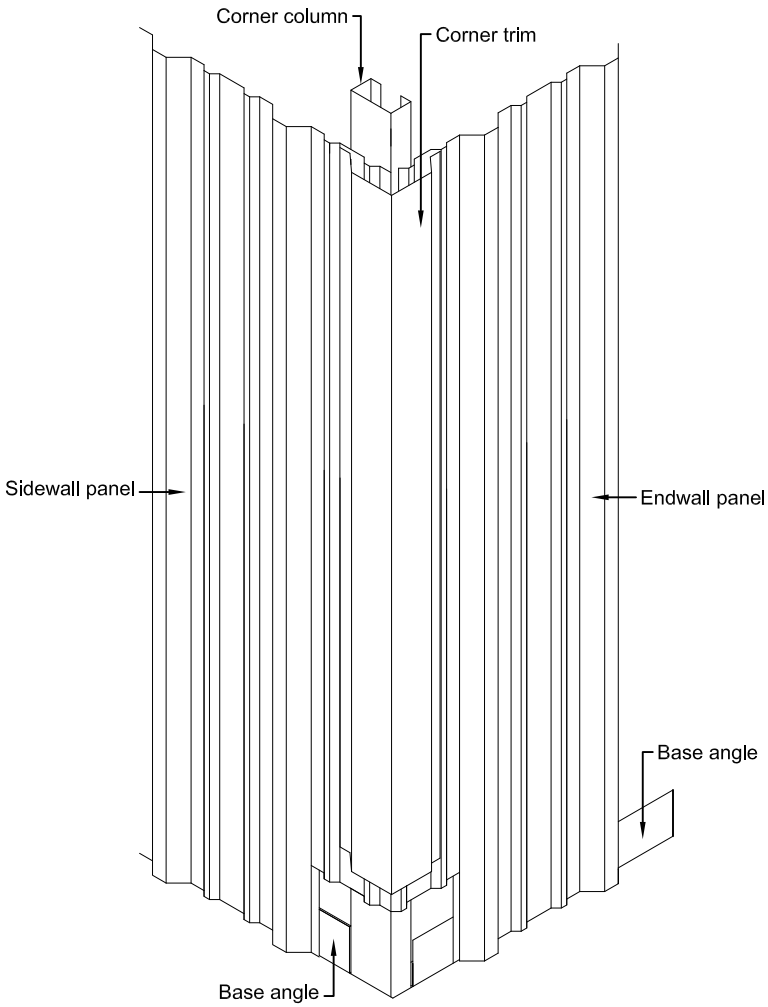


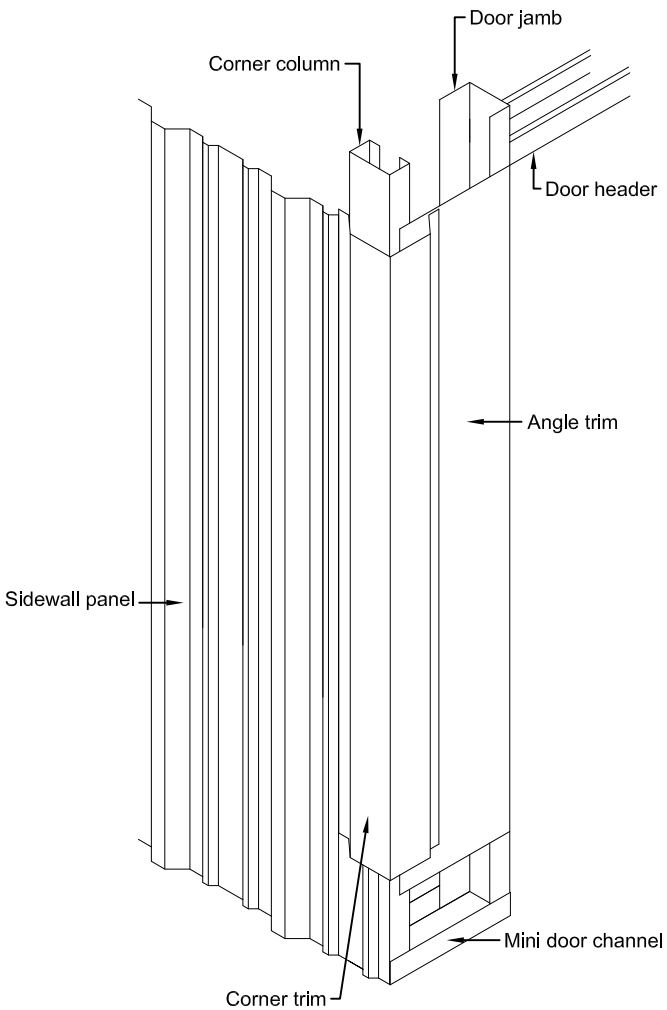


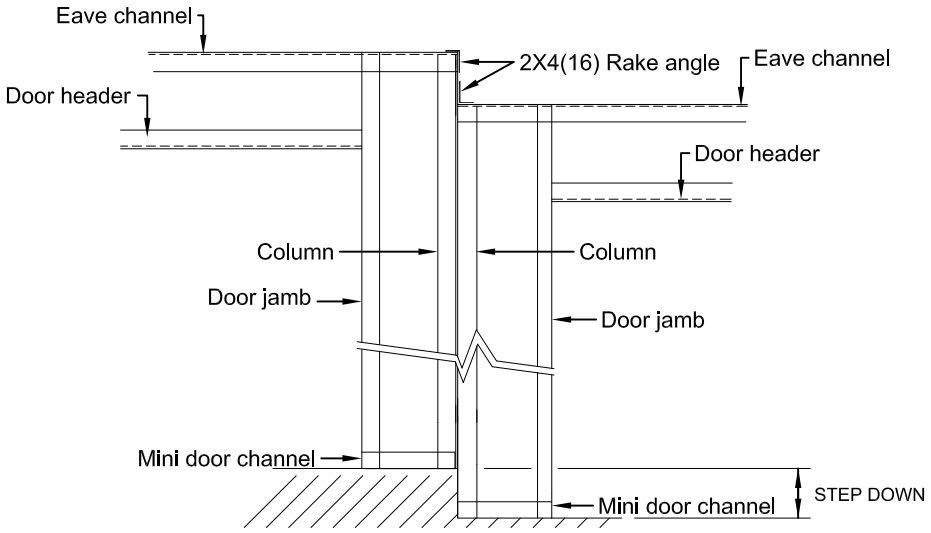
Corner trim assembly without door jambs

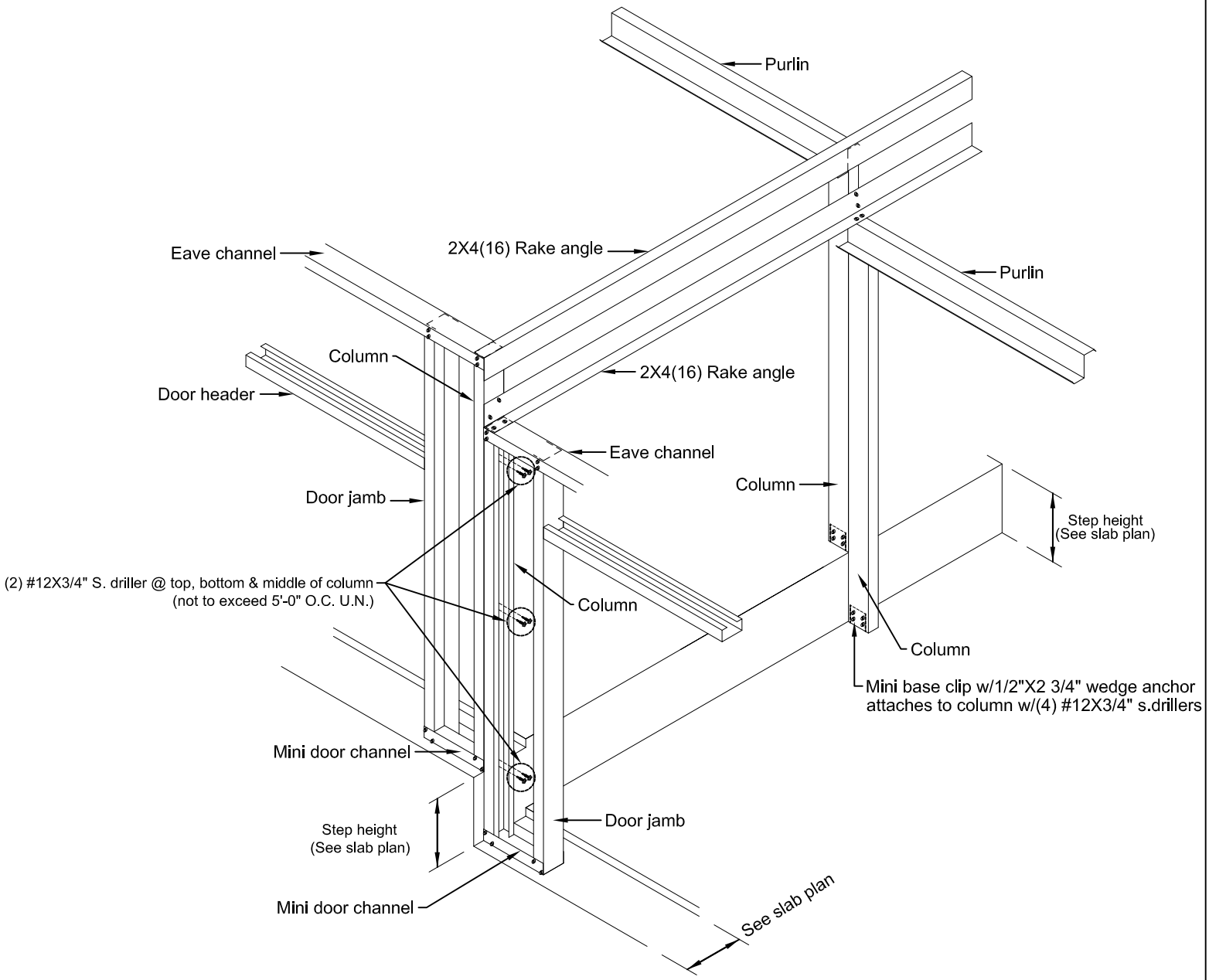


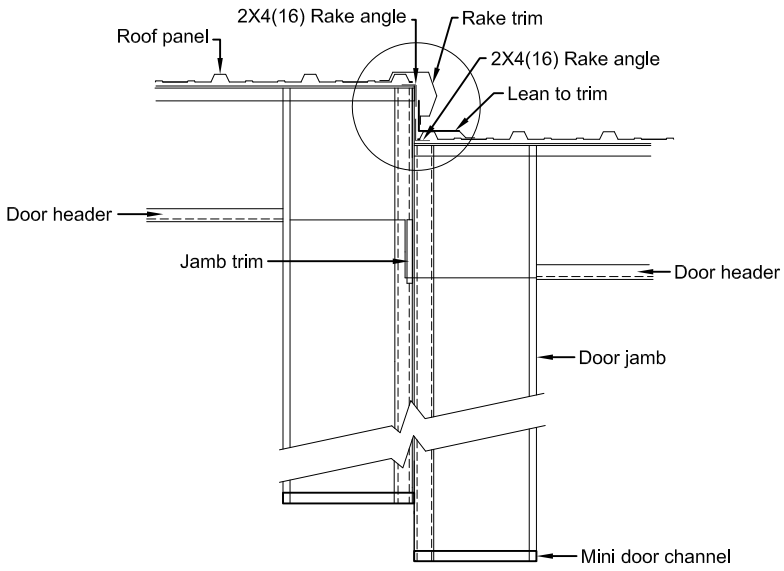
Corner trim assembly at door jambs

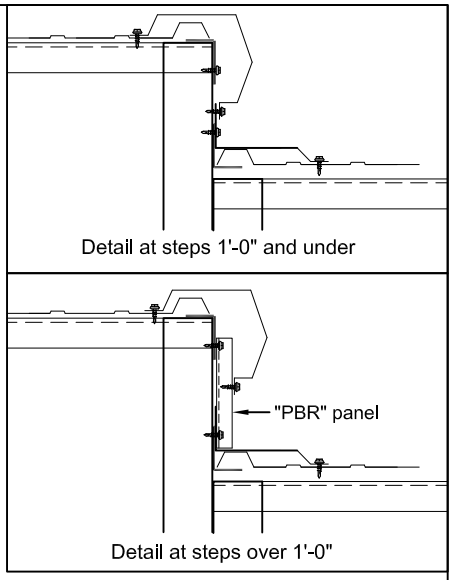




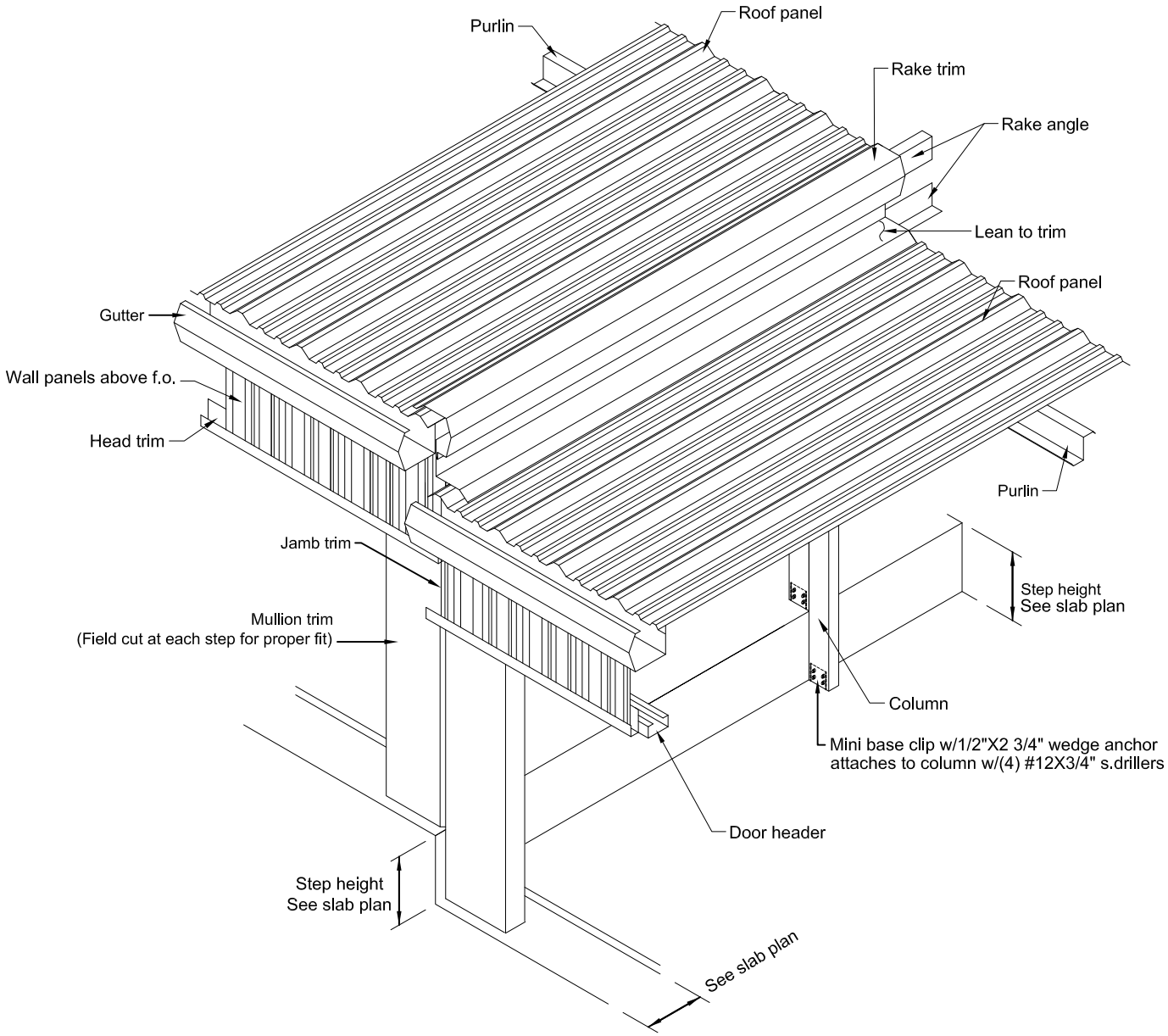

Eave channel
2X4(16) Rake angle
Eave channel
Door header
Door header
Column
Column
Door jamb
Door jamb
Mini door channel
Mini door channel
STEP DOWN

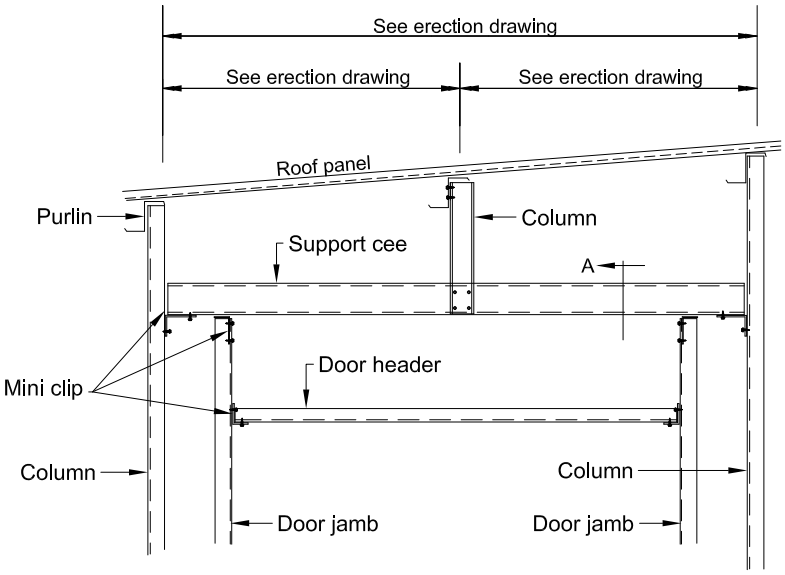

Purlin
Eave channel
2X4(16) Rake angle
Purlin
Column
2X4(16) Rake angle
Door header
Eave channel
Door jamb
Column
Step height
(See slab plan)
(2) #12X3/4" S. driller @ top, bottom & middle of column
(not to exceed 5'-0" O.C. U.N.)
Column
Column
Mini base clip w/1/2"X2 3/4" wedge anchor
attaches to column w/(4) #12X3/4" s.drillers
Mini door channel
Door jamb
Step height
(See slab plan)
Mini door channel
See slab plan

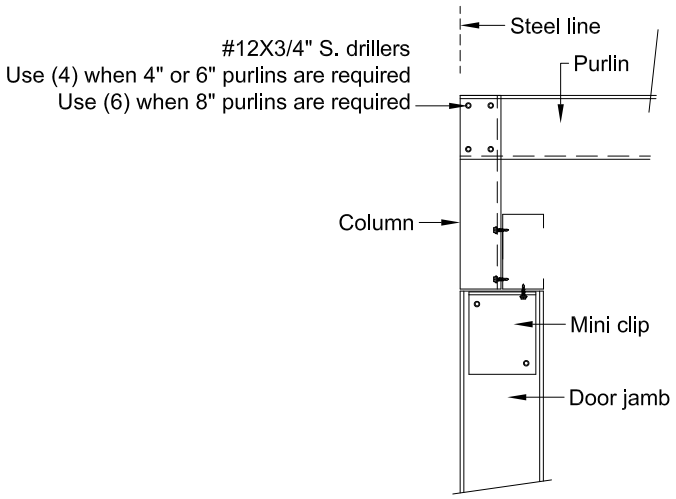




Note: Field cut mullion trim at each step for proper fit (See below)

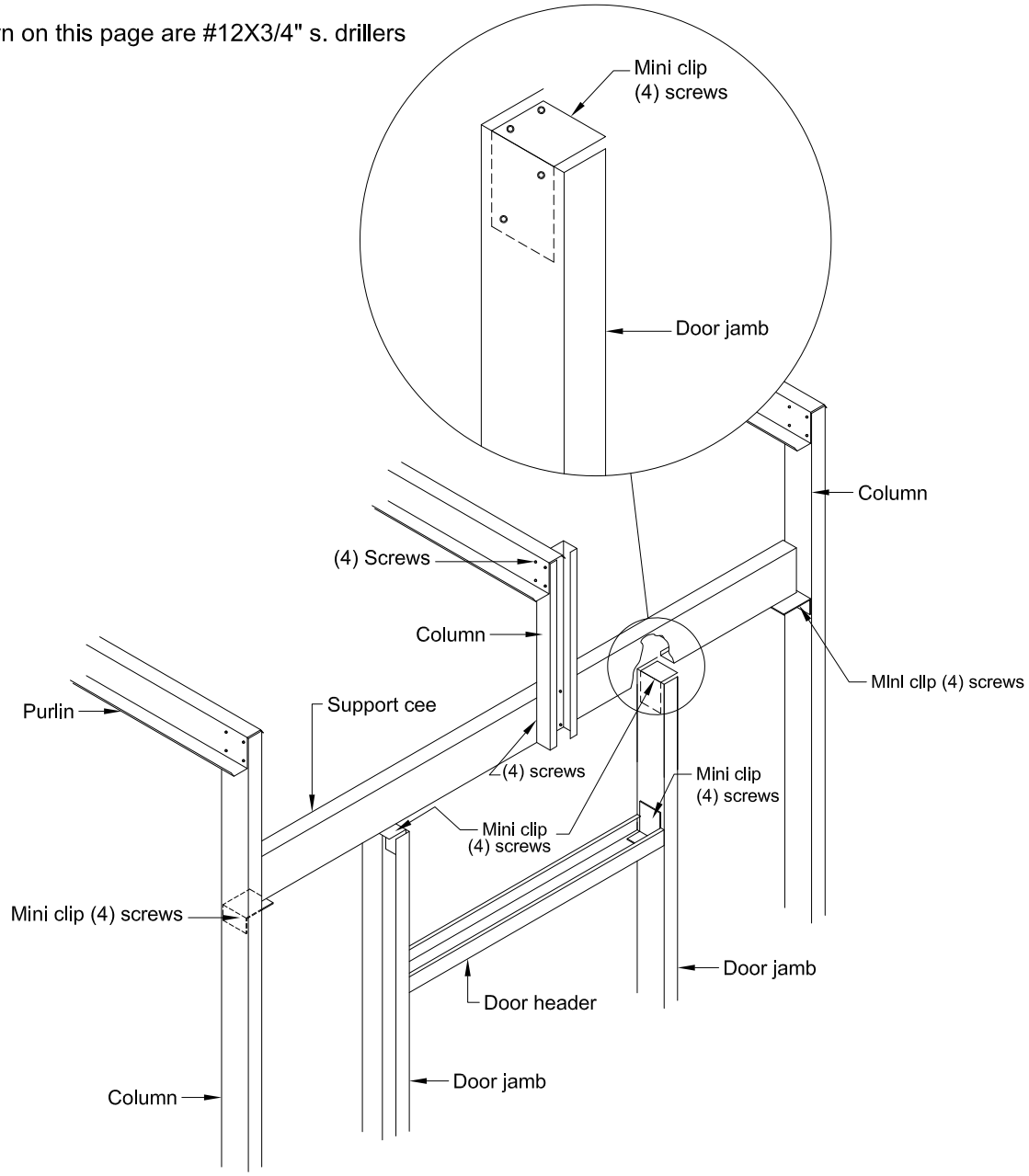


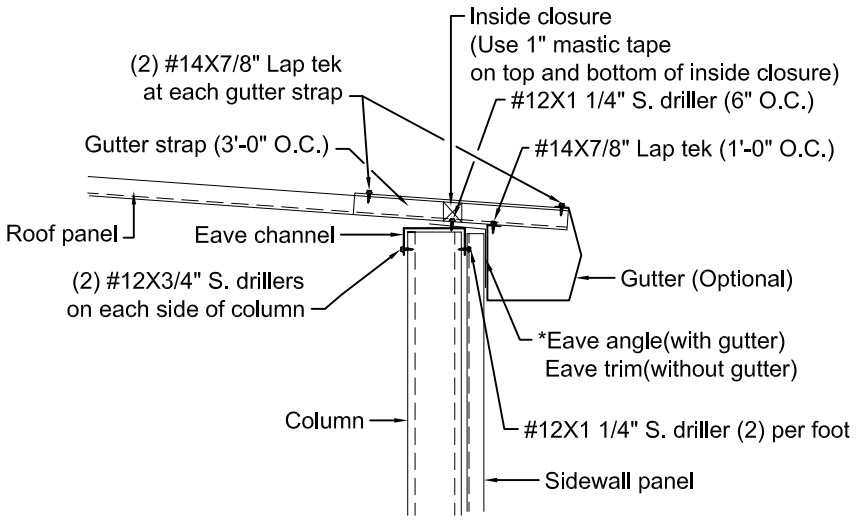




Section "A"

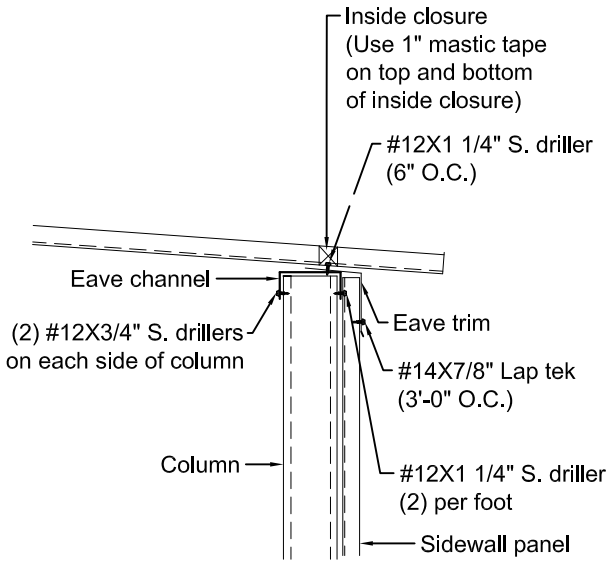
Note: All fasteners shown on this page are #12X3/4" s. drillers





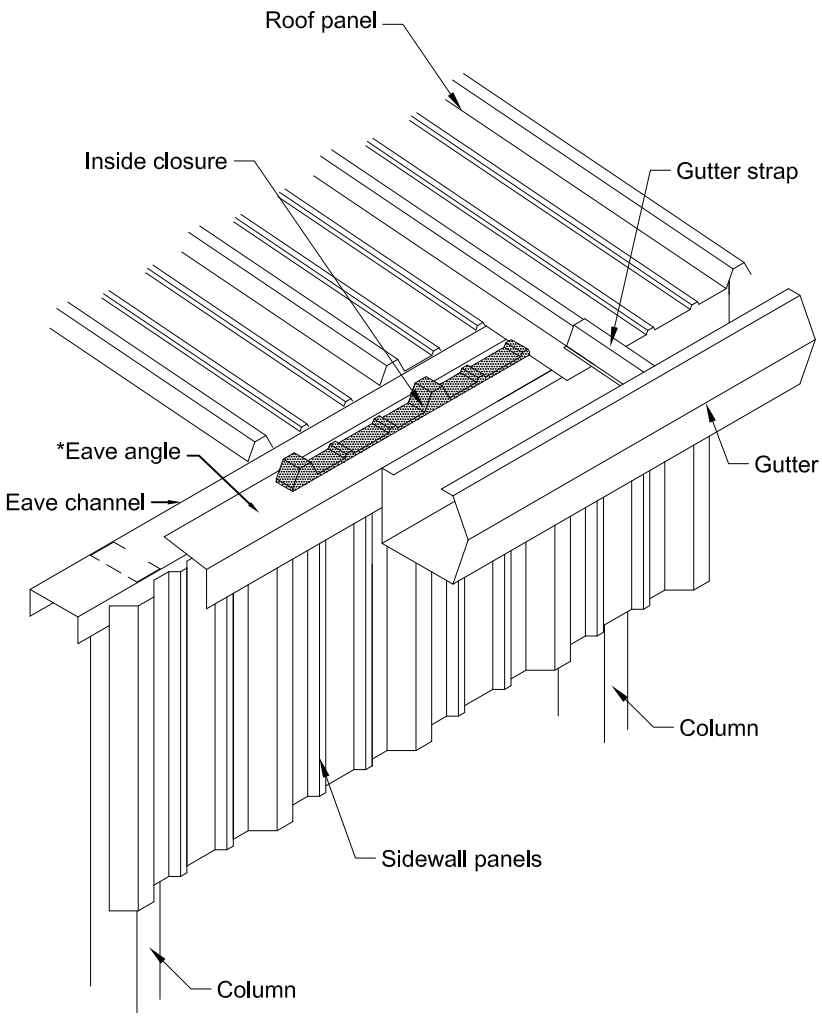
* Note: #2 Eave angle may or may not be the same color as the other trim.

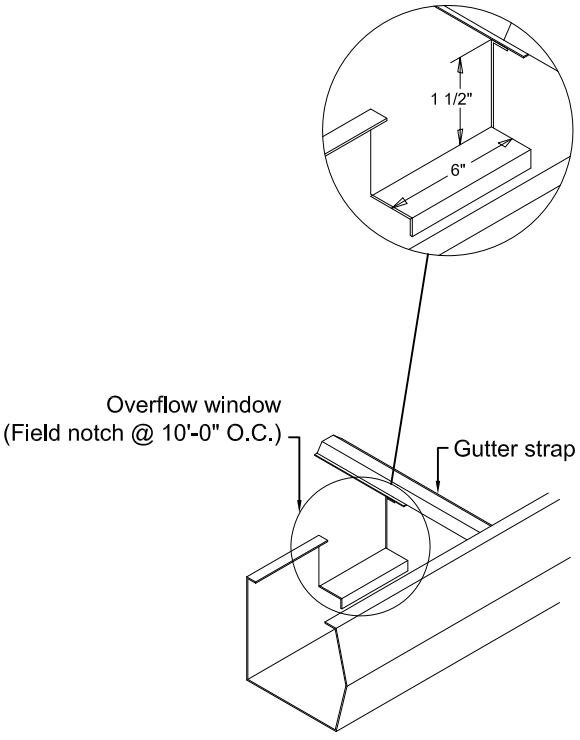
With Gutter



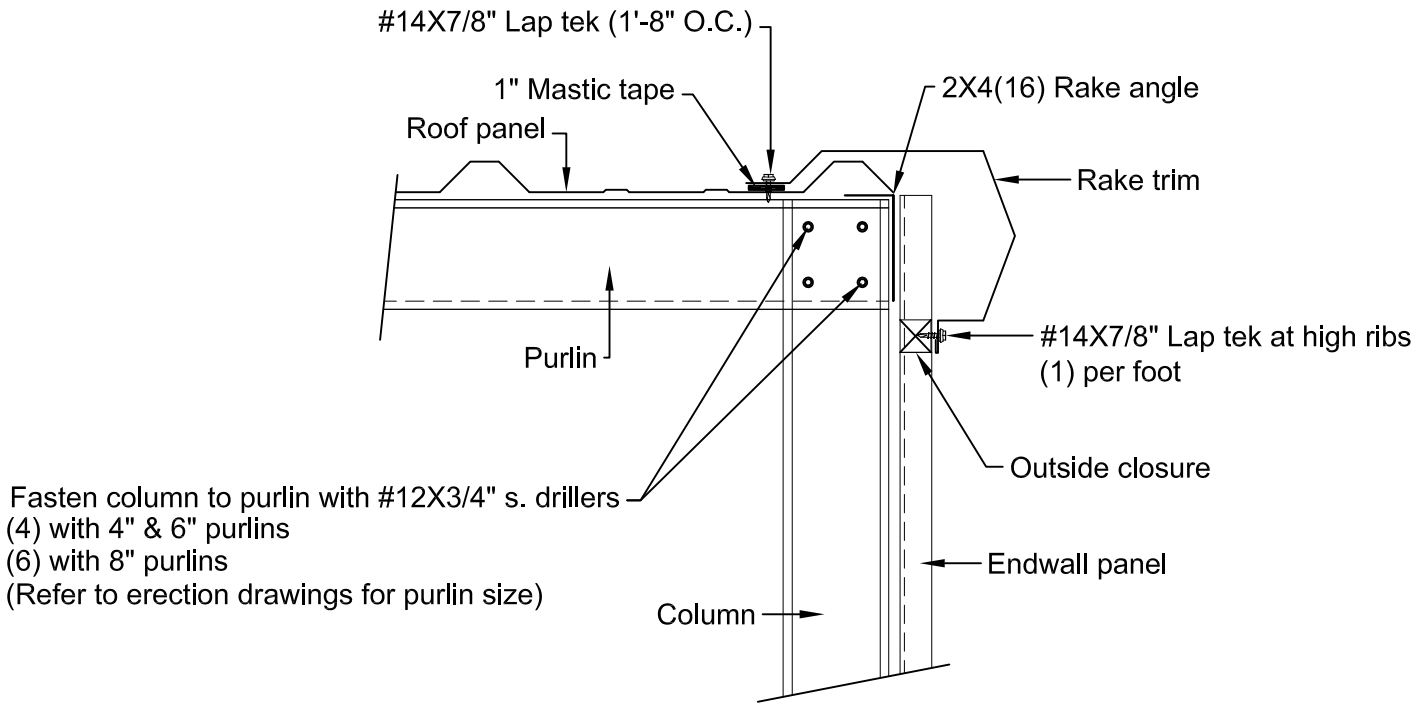
With Eave Trim

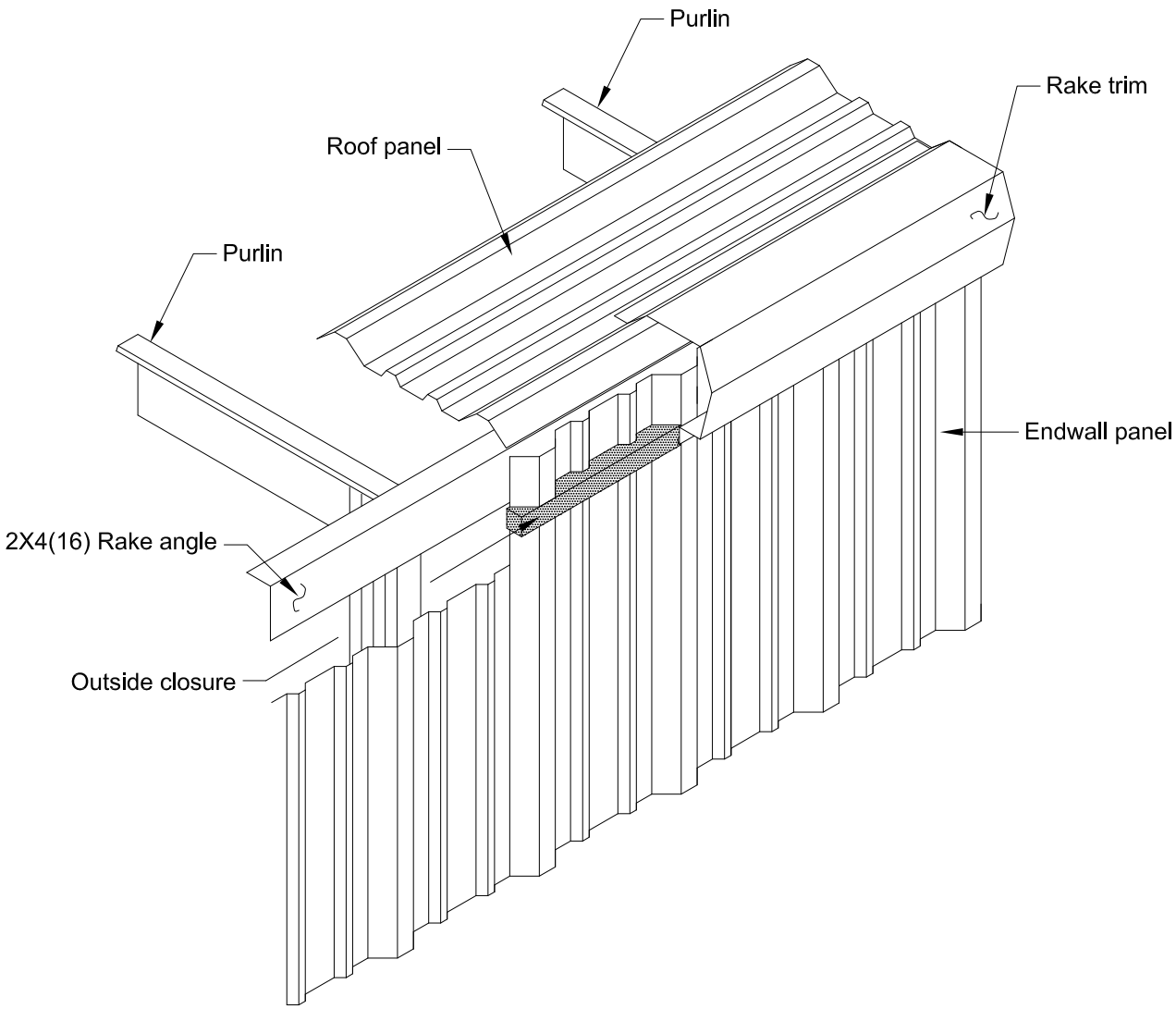
*Note: Replace eave angle with eave trim if there is no gutter.

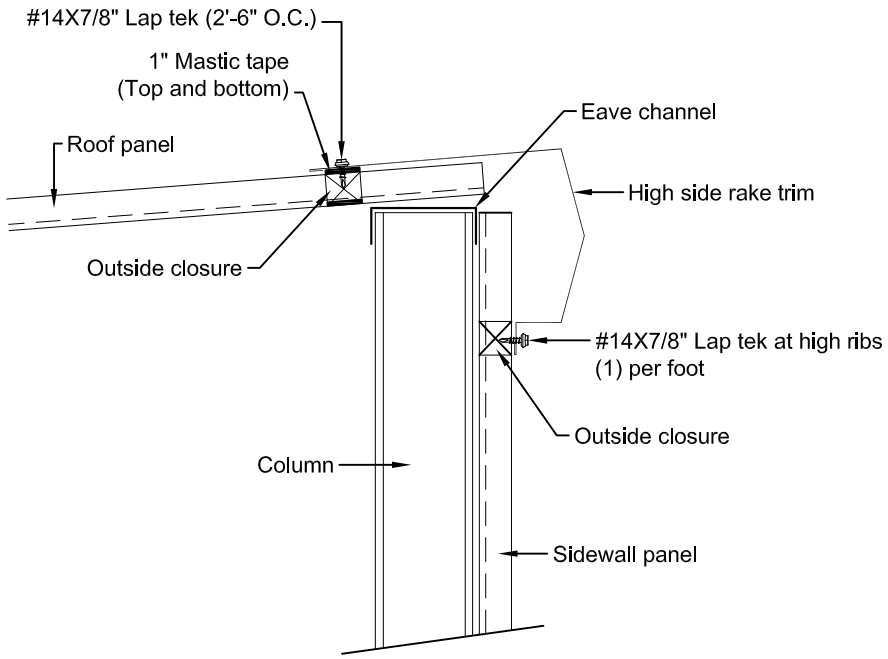


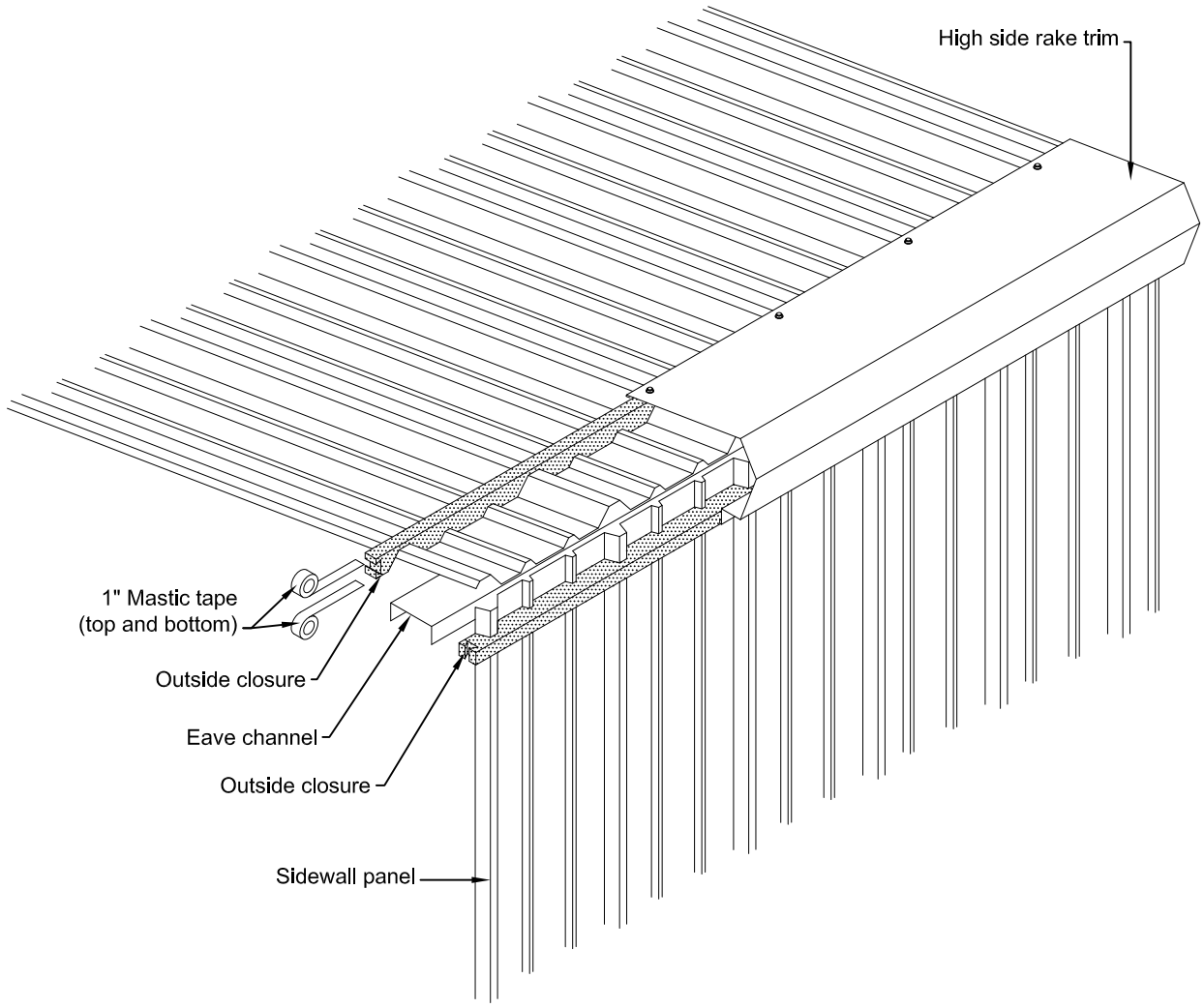


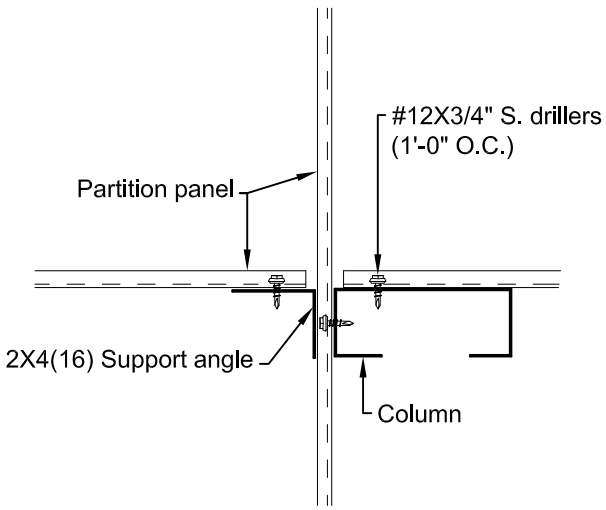
Optional gutter overflow detail


#14X7/8" Lap tek (1'-8" O.C.)
1" Mastic tape
2X4(16) Rake angle
Roof panel
Rake trim
Purlin
#14X7/8" Lap tek at high ribs
(1) per foot
Outside closure
Fasten column to purlin with #12X3/4" s. drillers
(4) with 4" & 6" purlins
(6) with 8" purlins
(Refer to erection drawings for purlin size)
Endwall panel
Column

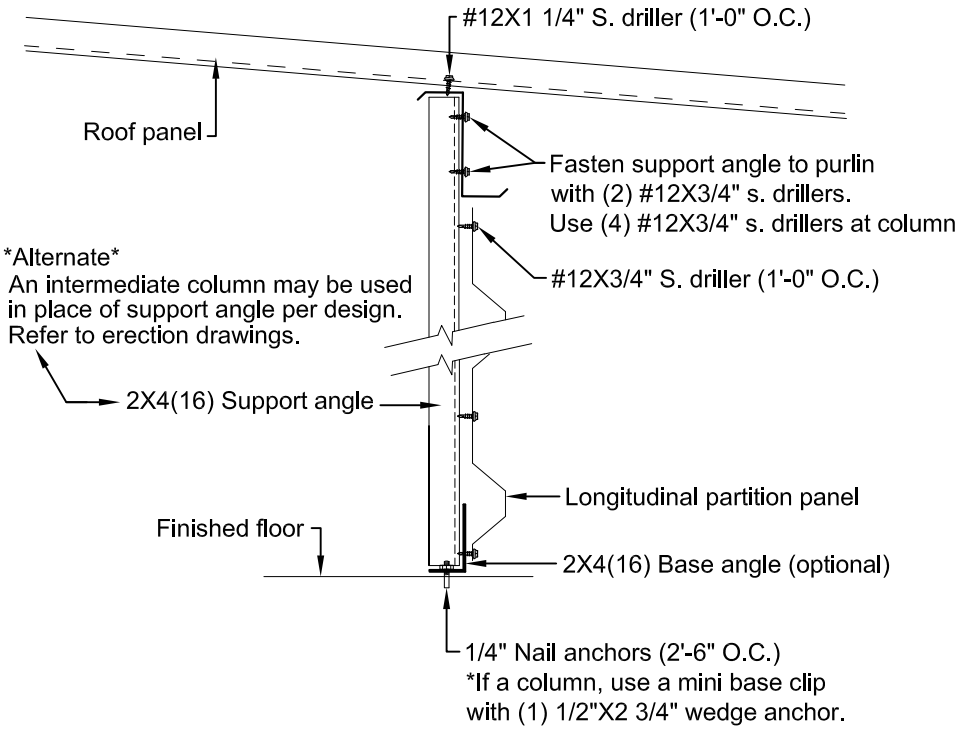

Purlin
Rake trim
Roof panel
Purlin
Endwall panel
2X4(16) Rake angle
Outside closure

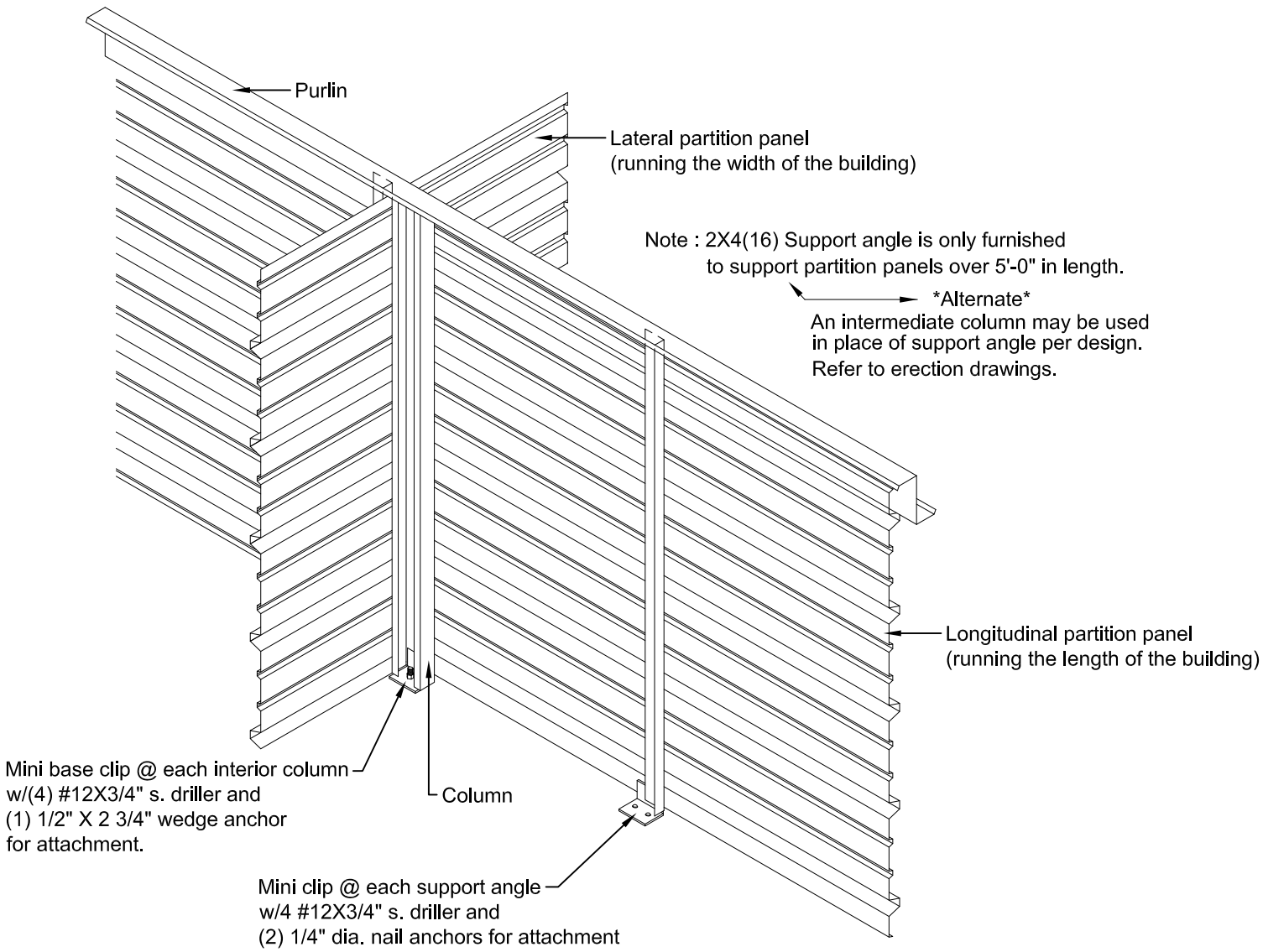

#14X7/8" Lap tek (2'-6" O.C.)
1" Mastic tape
(Top and bottom)
Roof panel
Eave channel
High side rake trim
Outside closure
#14X7/8" Lap tek at high ribs
(1) per foot
Outside closure
Column
Sidewall panel


High side rake trim
1" Mastic tape
(top and bottom)
Outside closure
Eave channel
Outside closure
Sidewall panel

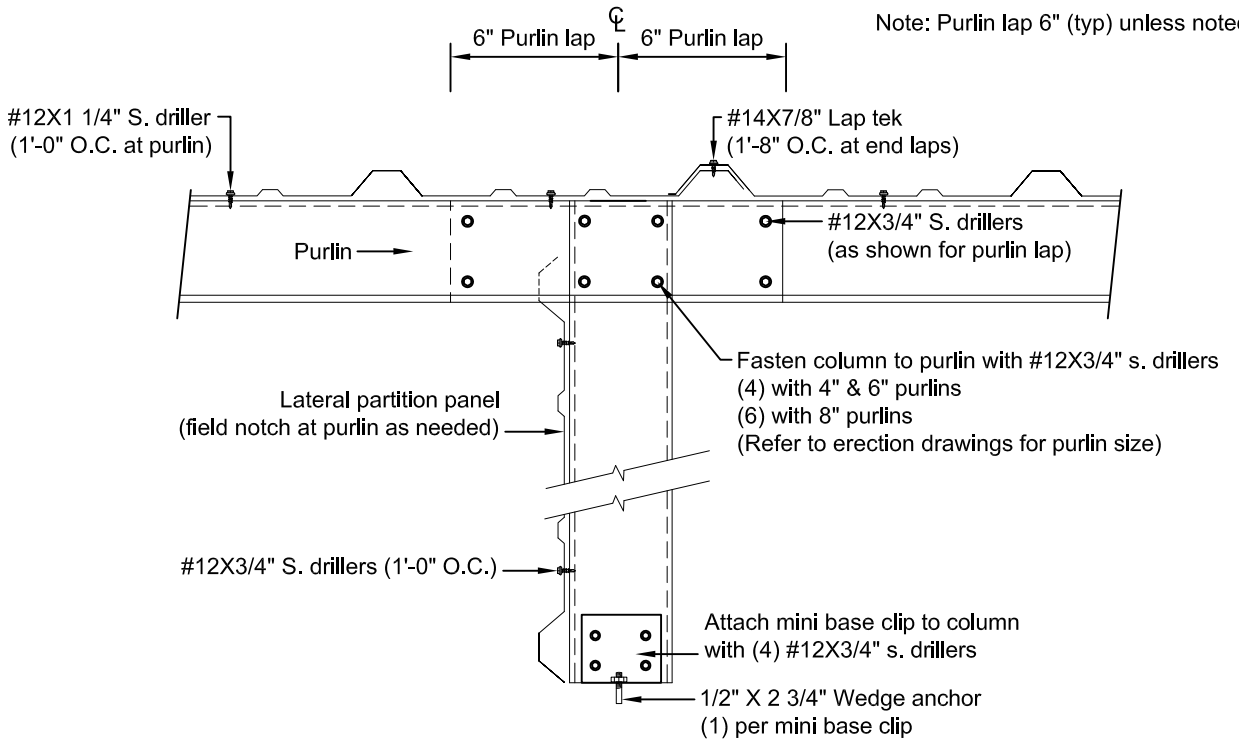


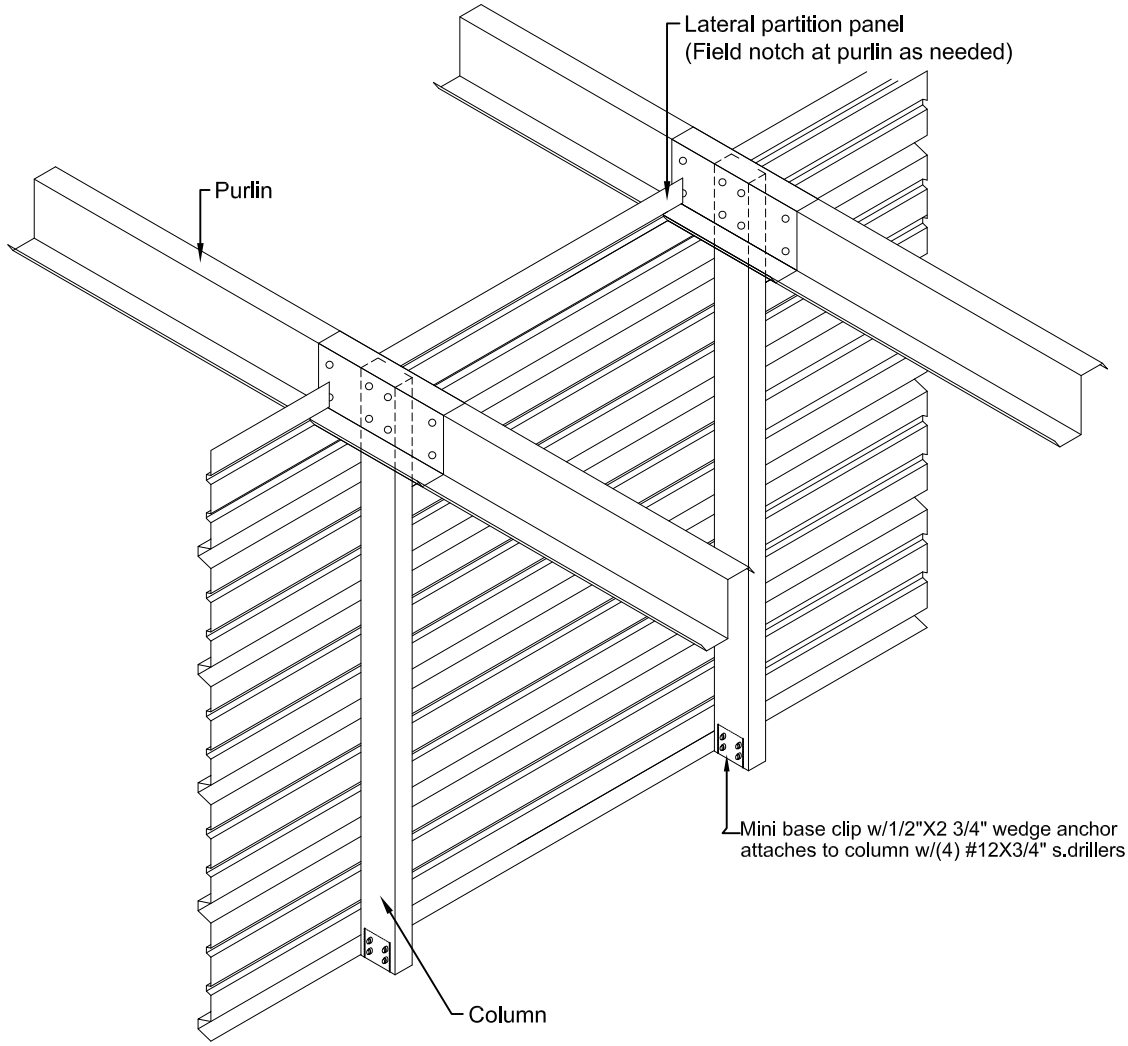
INTERIOR PARTITION INTERSECTION

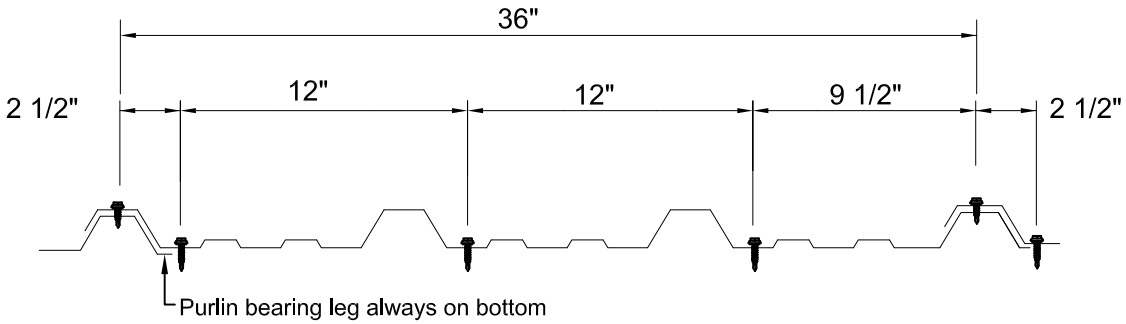




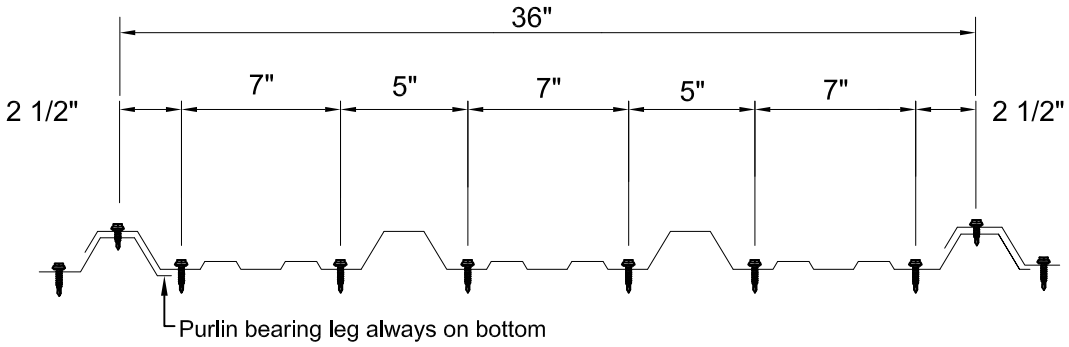
Note: Purlin lap 6" (typ) unless noted on erection drawings.



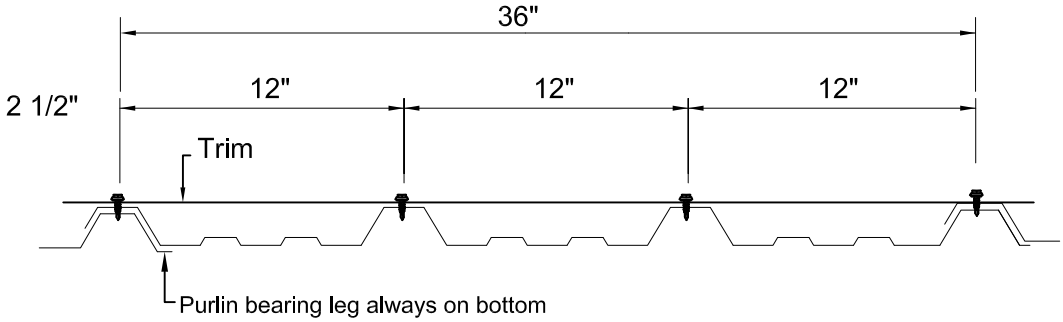




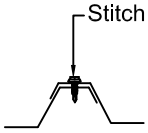
Pattern #1
At intermediate support



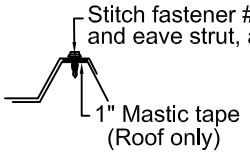
Pattern #2
At eave or endlap



Pattern #3
At trim at roof



Wall panel side lap detail

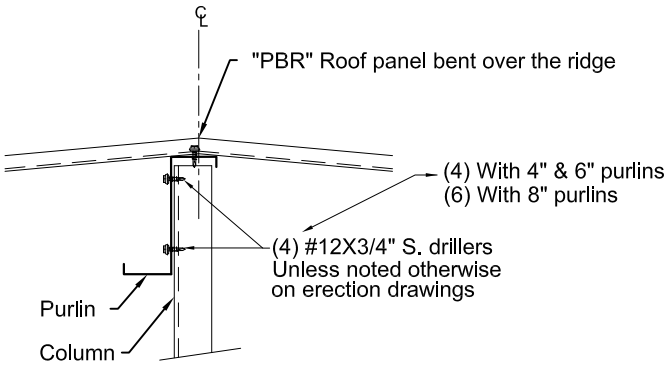


Roof panel side lap detail

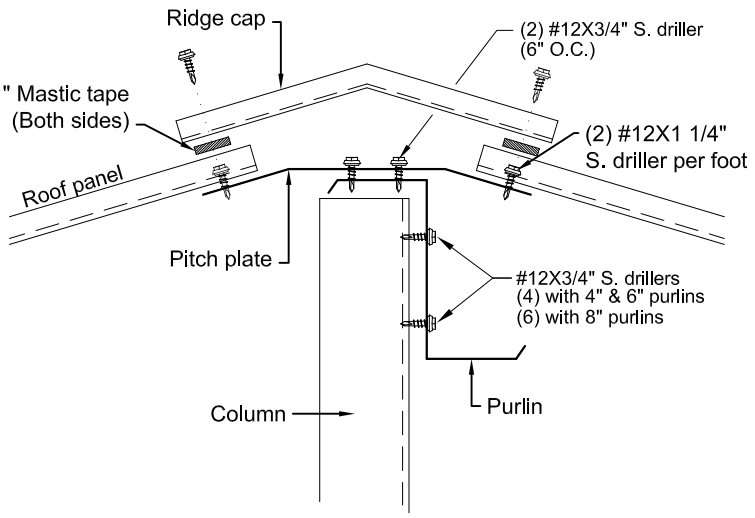
Warning! The roof should be swept clean of any drill shavings at the end of each day to prevent rust.

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)

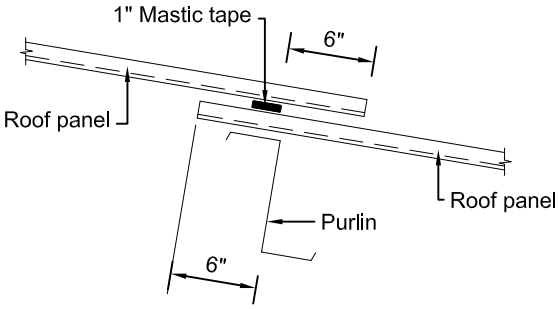
Roof Panel Fasteners - Panel to purlin connections to be #12-14x1 1/4" self drilling hex head with 5/8" O.D. washer 12" O.C.
Spacing at eave, peak and endlaps to be in a 5-7-5-7 repeating pattern.
Spacing for panel to panel connections to be 1'-8" O.C. with a fastener located over each purlin.
Purlins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

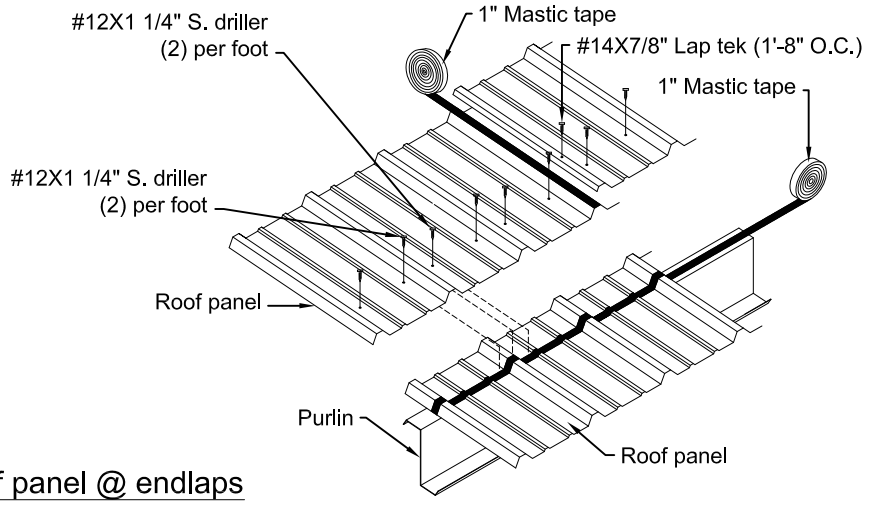


Peak condition for gable buildings with (1) piece roof panel.

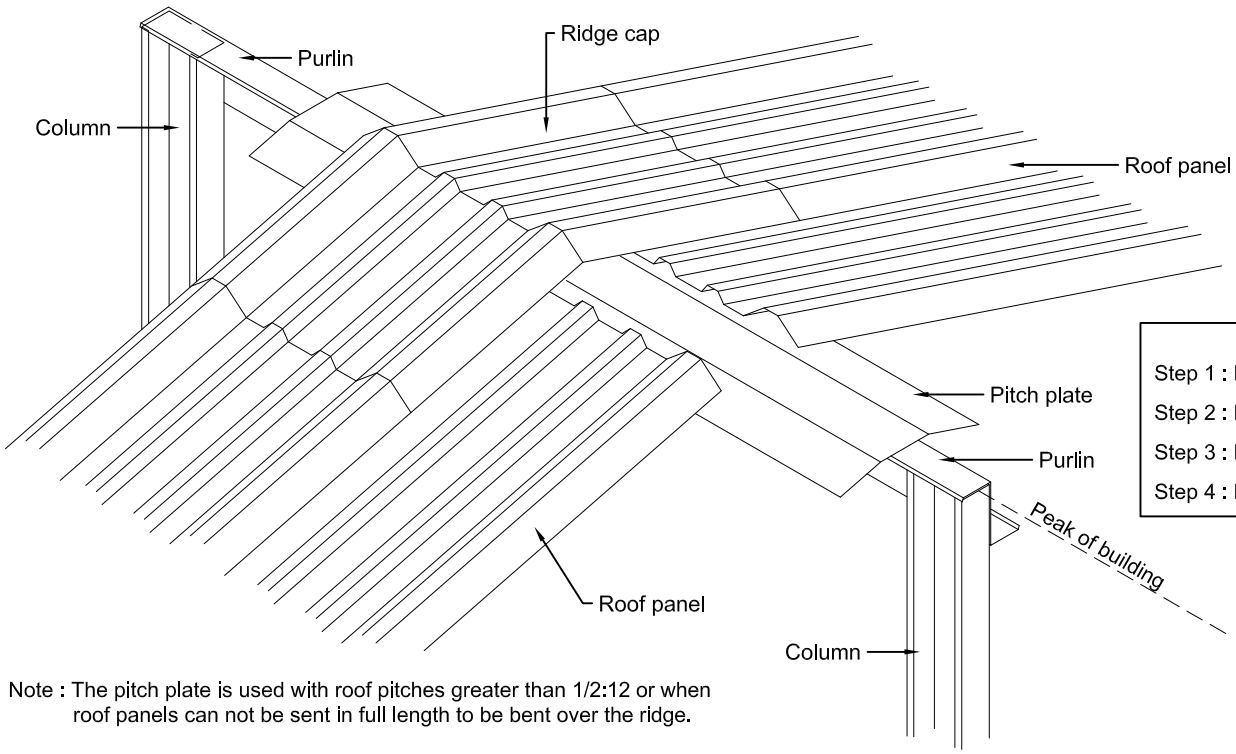


Peak condition for gable buildings with ridge cap.





Roof panel @ endlaps



Erection sequence

Step 1 : Purlin attaches to cee column

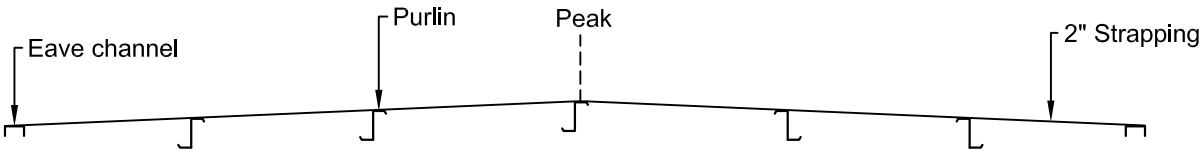
Step 2 : Pitch plate attaches to top of purlin

Step 3 : Roor panel attaches to pitch plate

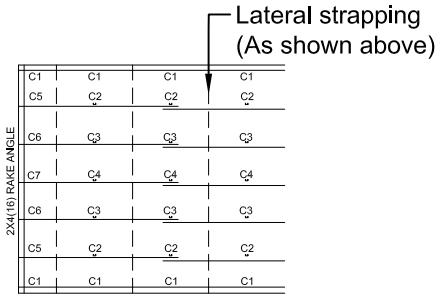
Step 4 : Ridge cap attaches to roof panel

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.

Note: All strapping must be pulled tight with no sags.

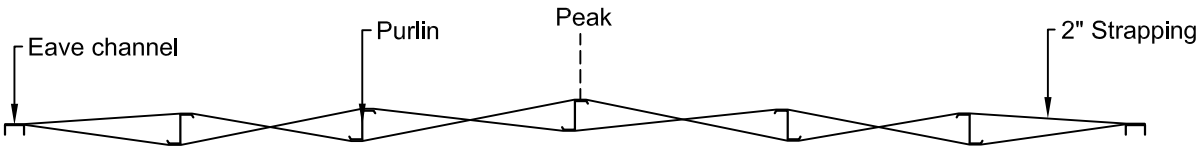


Lateral roof strapping - screw down roof
Attach with (2) #12X3/4" s. drillers at eave channel and each purlin.

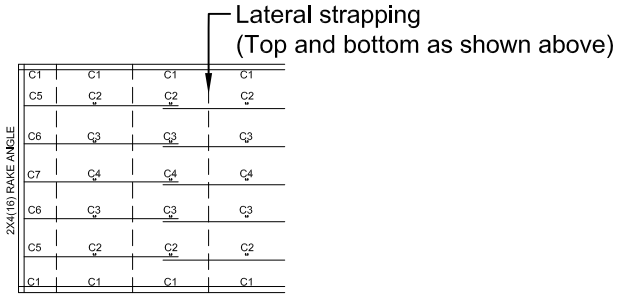


Example of lateral strapping as seen on
roof framing diagram on erection drawings.

Note: All strapping must be pulled tight with no sags.



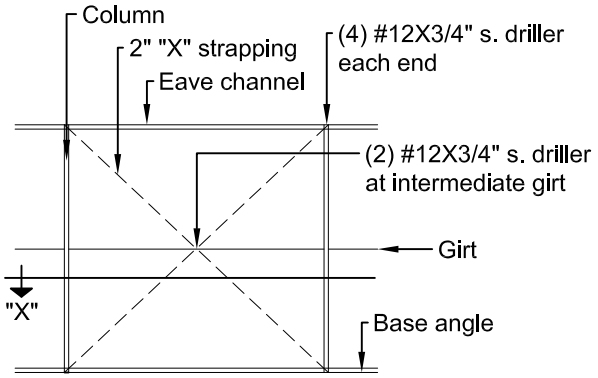
Lateral roof strapping - standing seam roof
Attach with (2) #12X3/4" s. drillers at eave channel and each purlin.



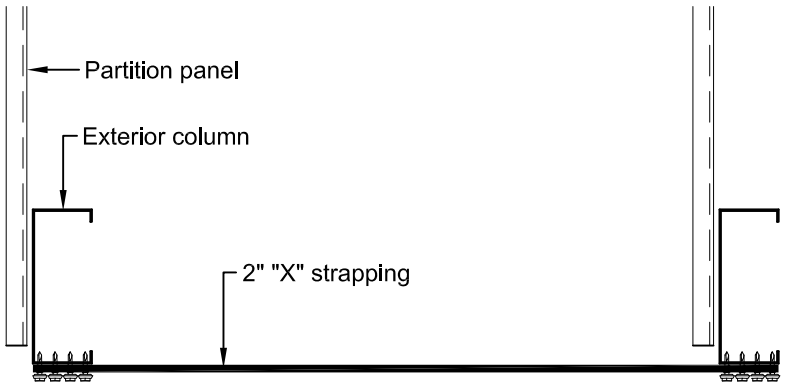
Example of lateral strapping as seen on
roof framing diagram on erection drawings.

Wall "X" strapping

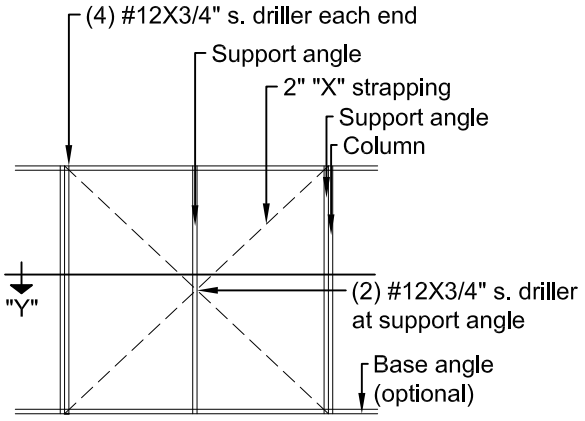
Wall "X" strapping must attach to column to column with (4) #12X3/4" s. drillers each end and (2) #12X3/4" s. drillers at any intermediate girt. Place behind wall panels.



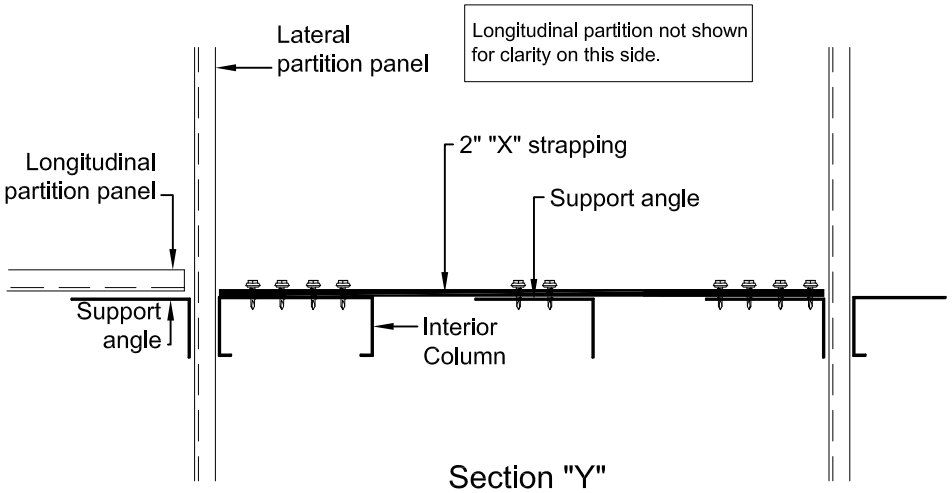
Exterior wall elevation



Section "X"



Partition wall elevation

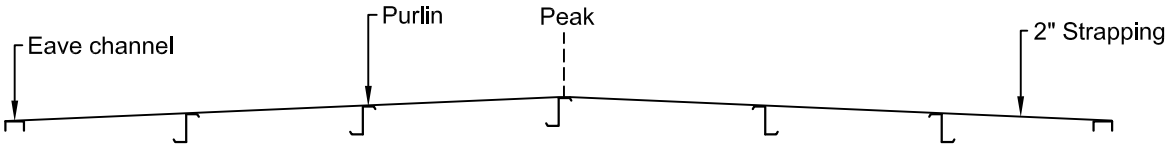


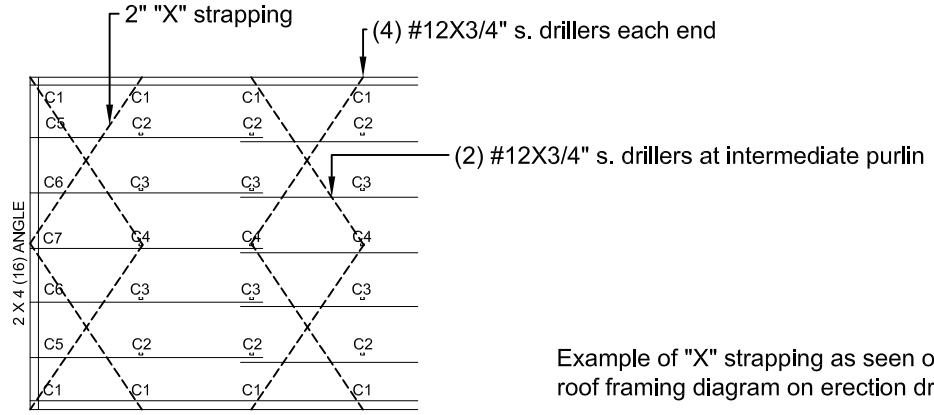
Section "Y"

Note: All strapping must be pulled tight with no sags.

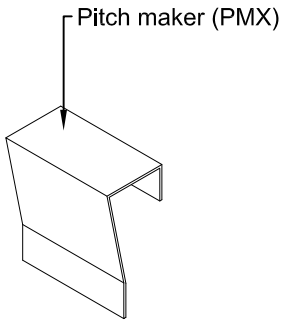
Roof "X" strapping

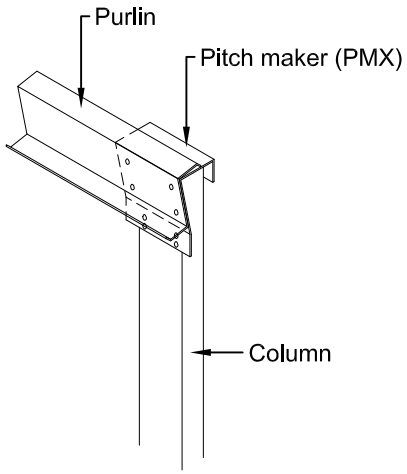
Roof "X" strapping must use (4) #12X3/4" s. drillers at each end and (2) #12X3/4" s. drillers at each intermediate purlin.

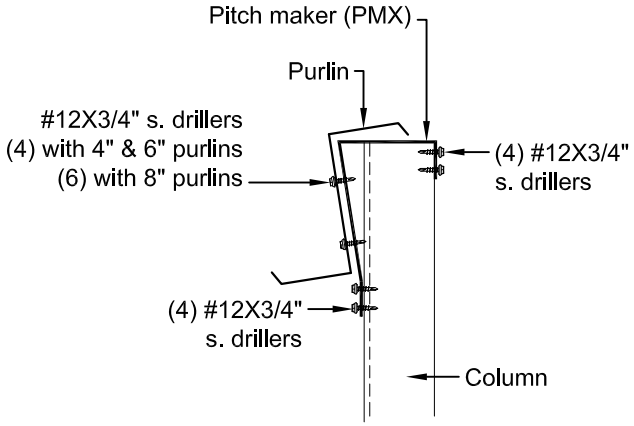




Example of "X" strapping as seen on roof framing diagram on erection drawings.

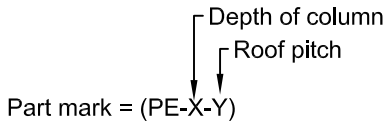


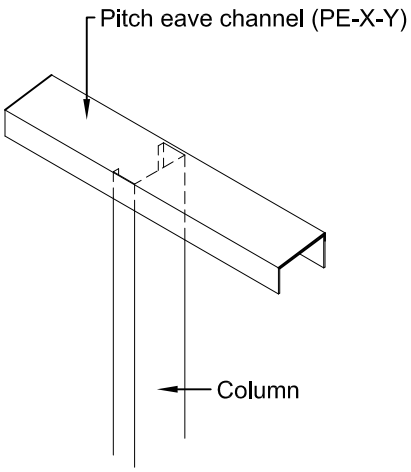


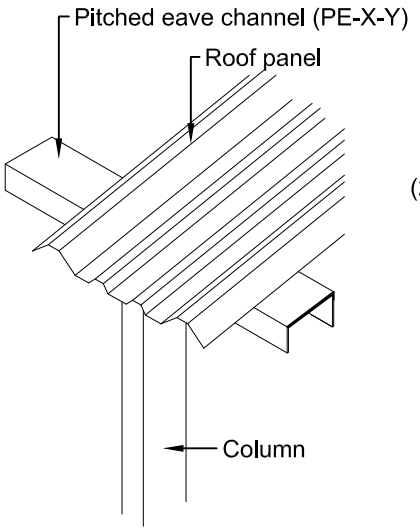


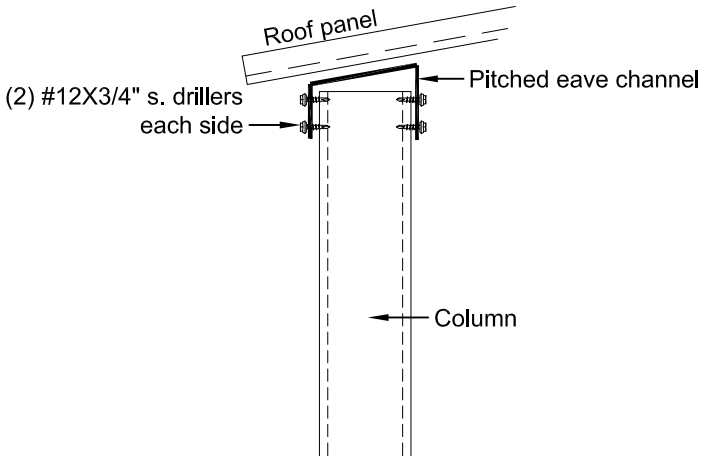
Pitch maker attachment

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.



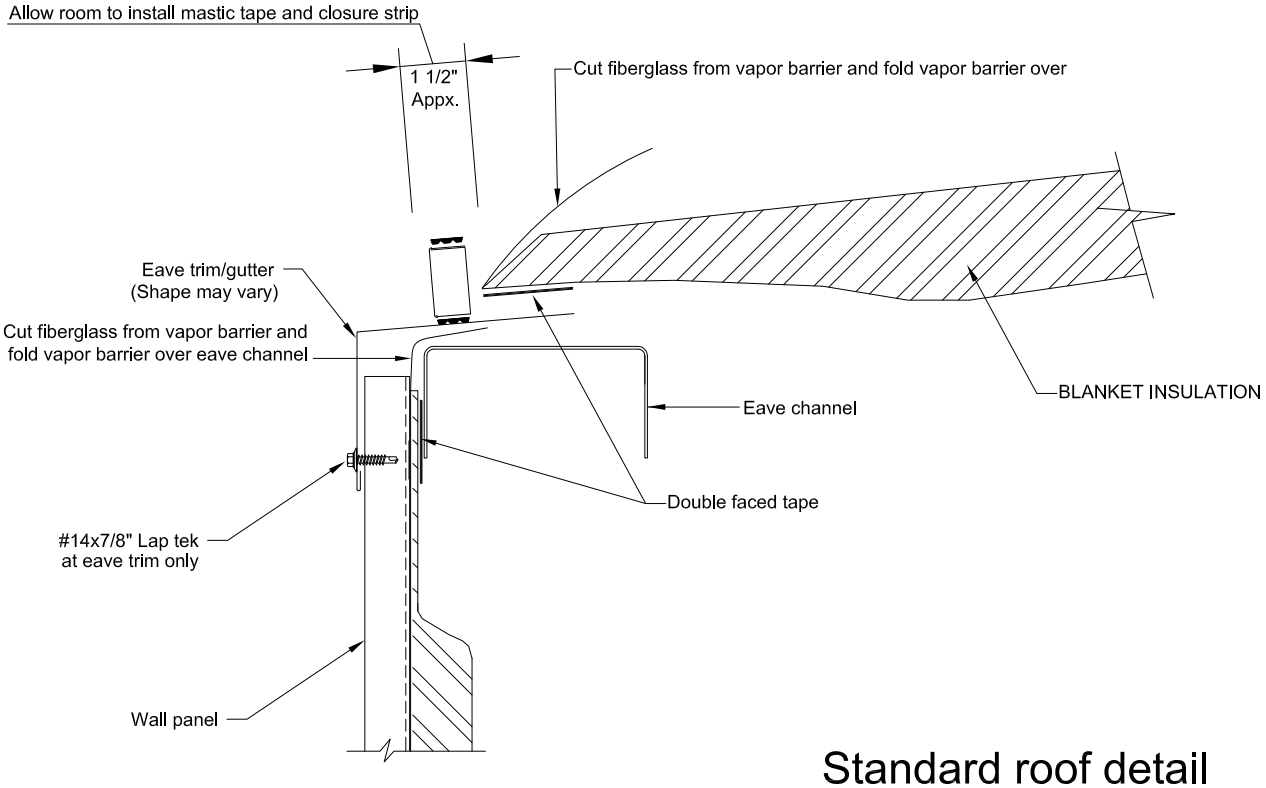






Pitch eave channel

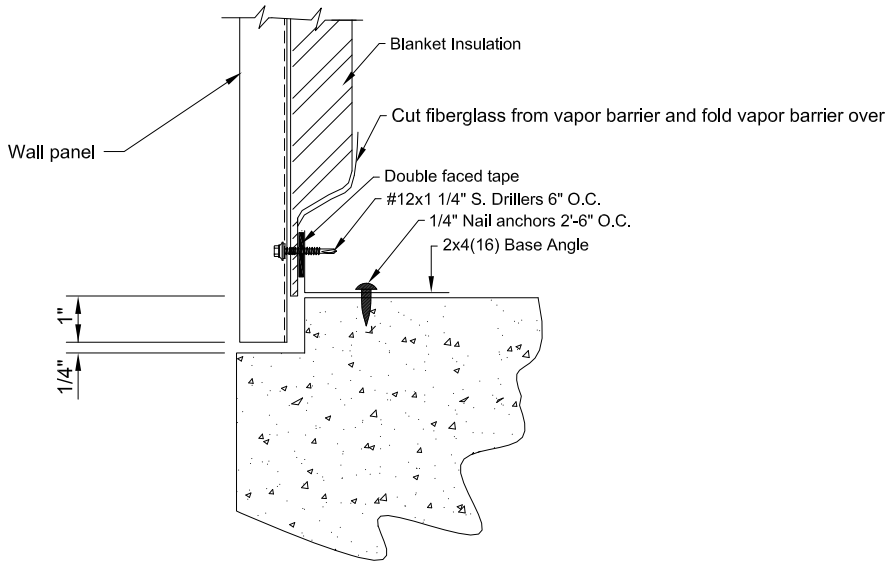
Note: For buildings with a (1:12) pitch or greater only.



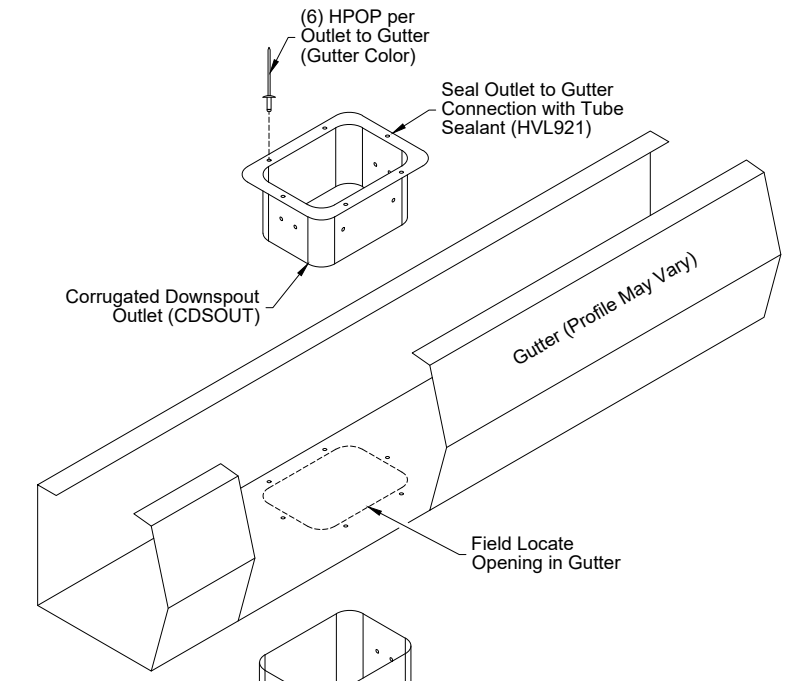
Standard roof detail

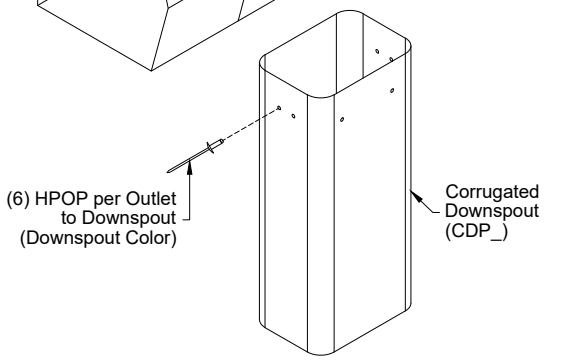
Notes:

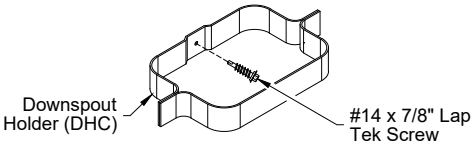
1. Do not allow insulation to wick moisture.
2. Never cut the insulation off even with the edge of the panels.
3. Trim excess fiberglass from vapor barrier back and fold vapor barrier over fiberglass 3" at base and eave.
4. Insulation which wicks moisture will damage panels and void any panel warranty.

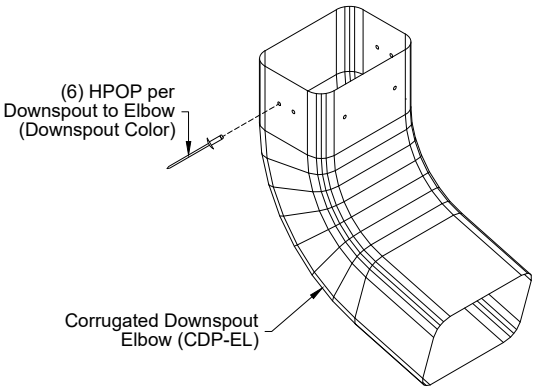


Standard base detail

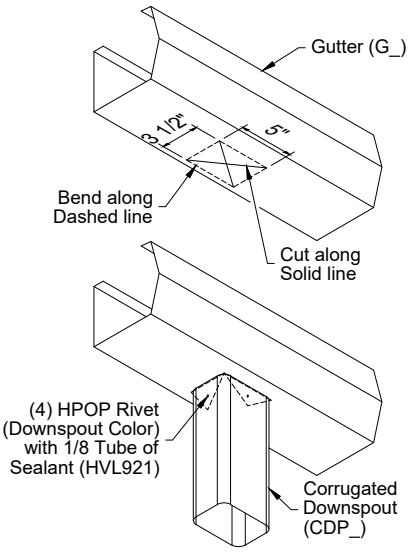






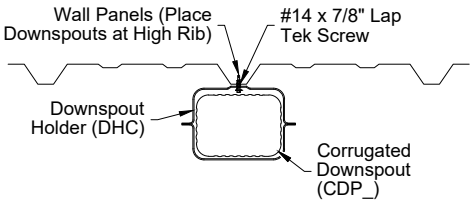


Downspout Outlet Option 2

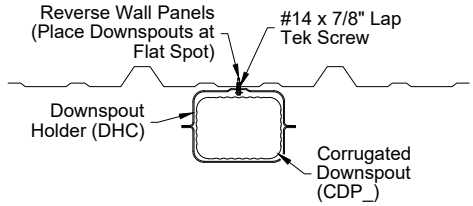


Downspout Strap Attachment

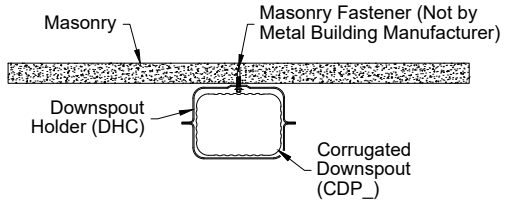
"PBR" Panel Attachment



Reverse "PBR" Panel Attachment

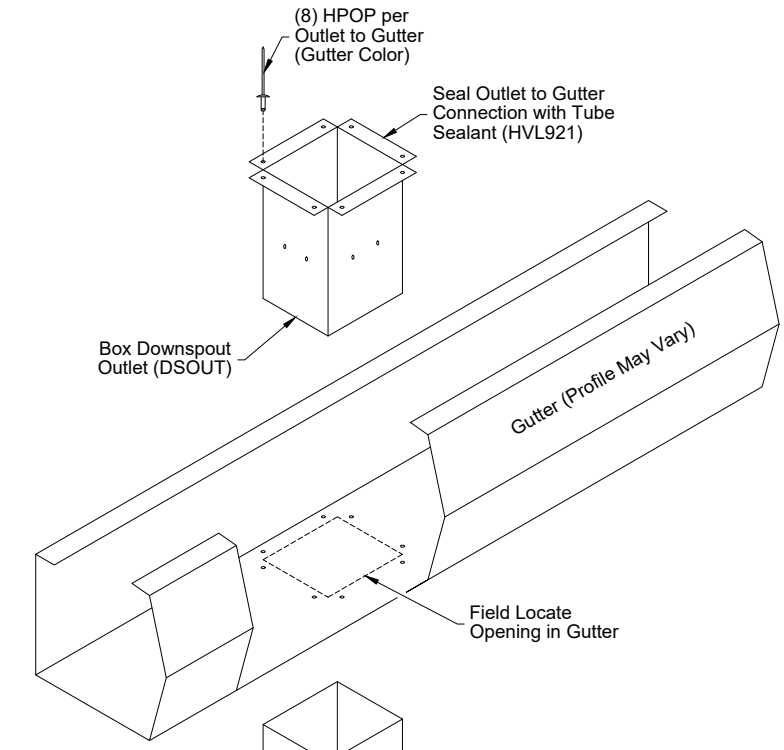


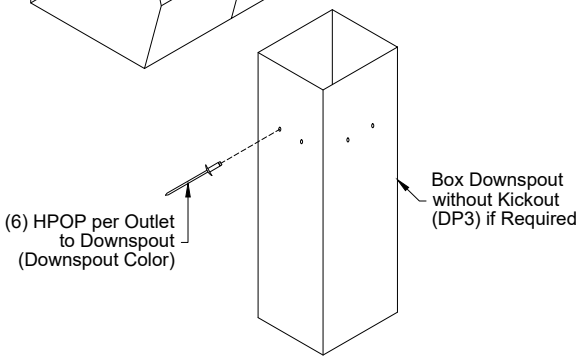
Masonry Wall Attachment

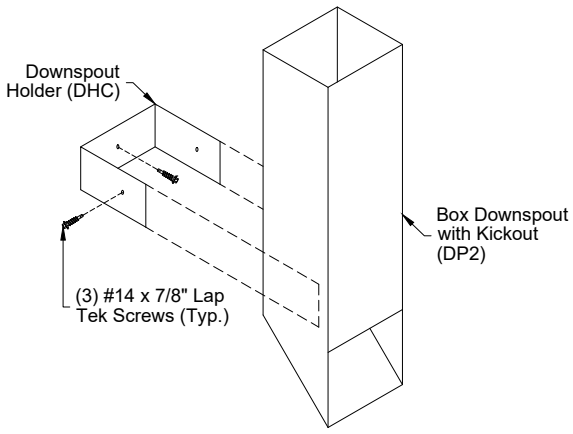


Notes:

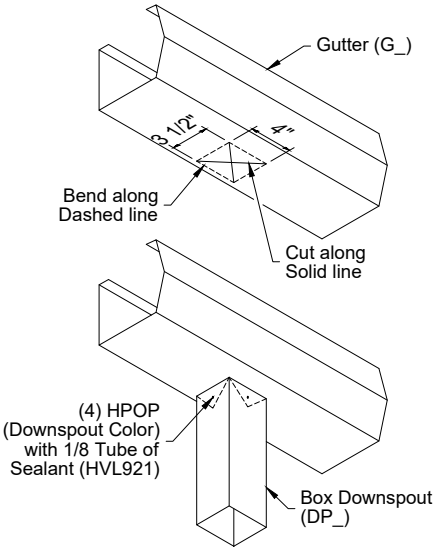
1. Locate all downspouts along sidewall per Downspout Strap Attachment Detail, one at each end and spaced evenly between.
2. A splice is required for eave height greater than 12'-0". Always measure the required length starting at the swaged end. After cutting to length, insert the swaged end of the cut 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".





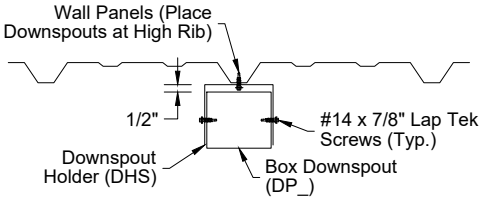


Downspout Outlet Option 2

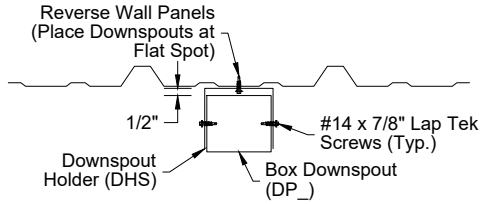


Downspout Strap Attachment

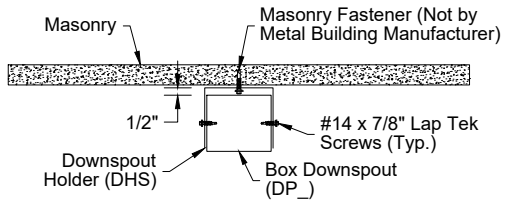
"PBR" Panel Attachment



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".