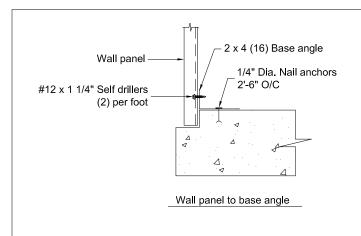
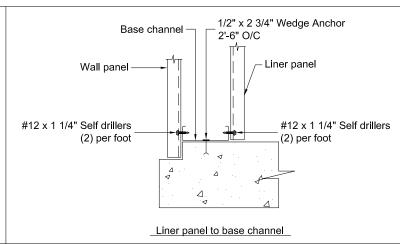
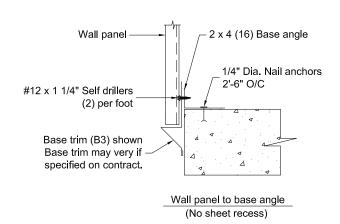
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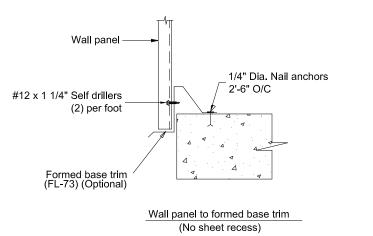
- 1. Base Conditions
- 2. Rigid Frame Column and Rafter
- 3. Coldform Endwall Column and Rafter
- 4. Mill Endwall Column and Rafter
- 5. Rigid Frame Endwall
- 6. Fastener Spacings and Patterns
- 7. Roof Panel
- 8. Wall Panel with Gutter or Eave Trim
- 9. Wall Panel with High Side Rake Trim
- 10. Skylight Panel
- 11. Framed Opening
- 12. Walk Door
- 13. Window
- 14. Ridge Vent
- 15. Louver & Fan
- 16. Portal Frame
- 17. Standard Trim
- 18. Sag Angle
- 19. Endwall Roof Overhang
- 20. Strapping
- 21. Insulation
- 22. Downspout Corrugated
- 23. Downspout Box

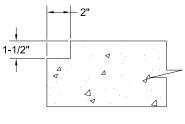
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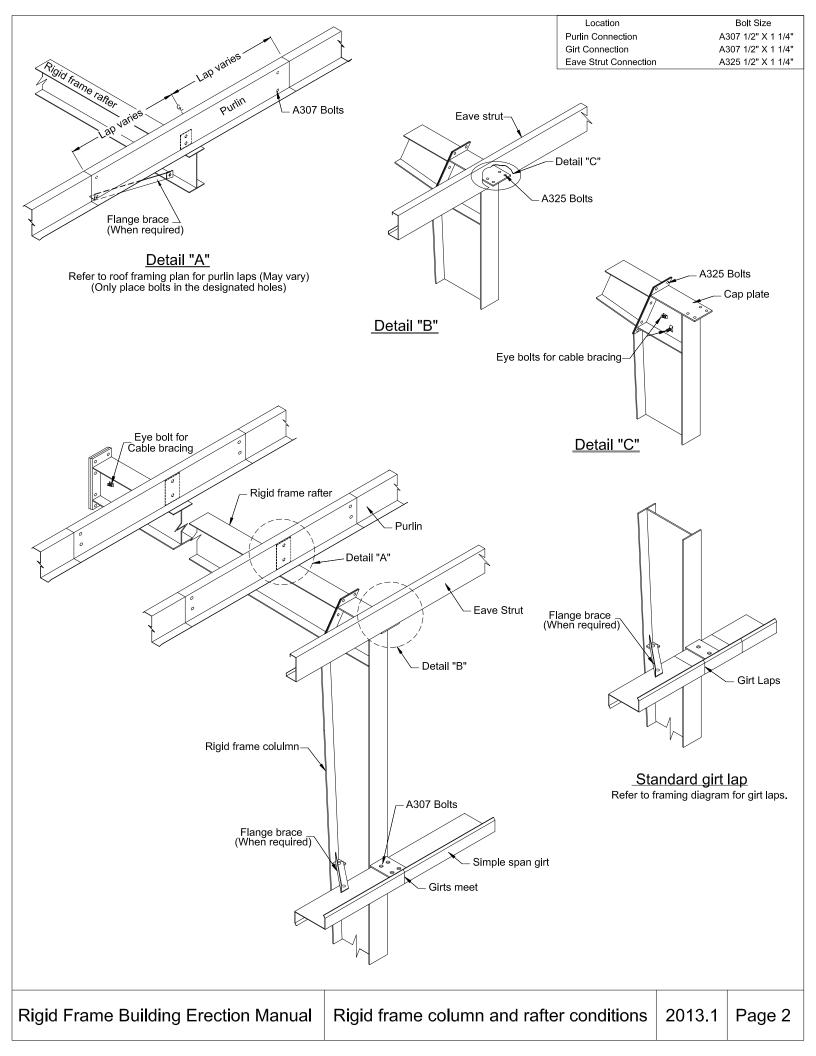


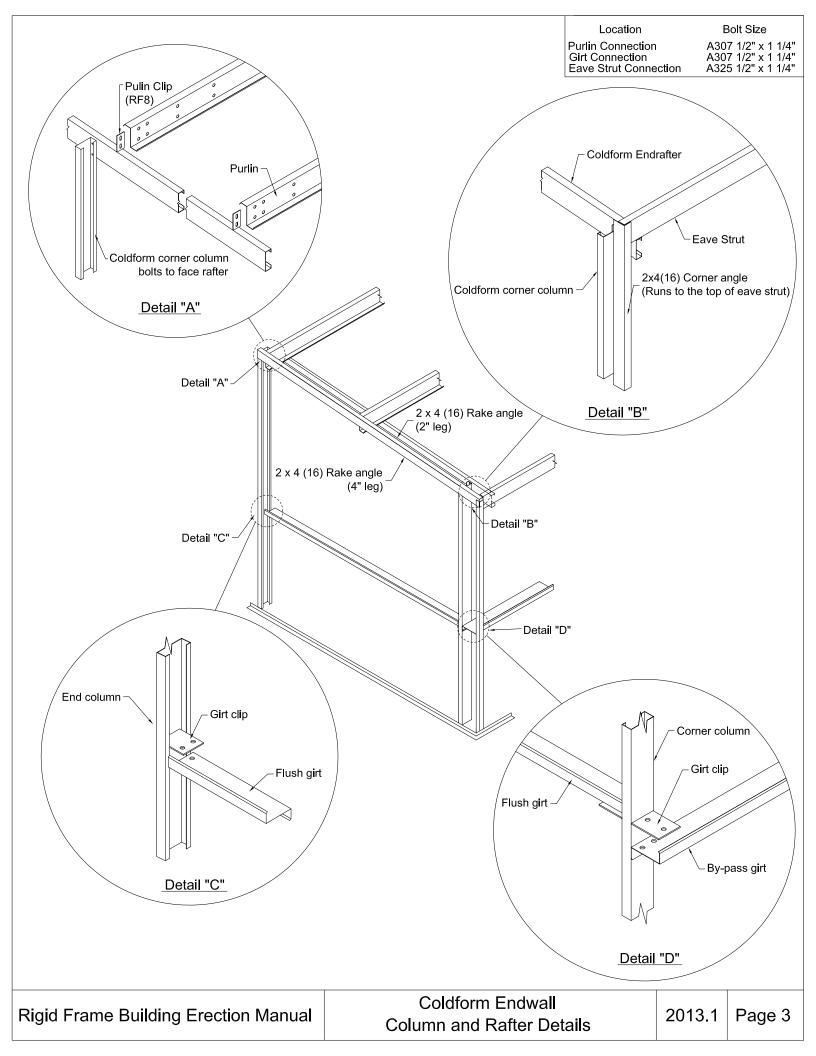
Standard sheet recess

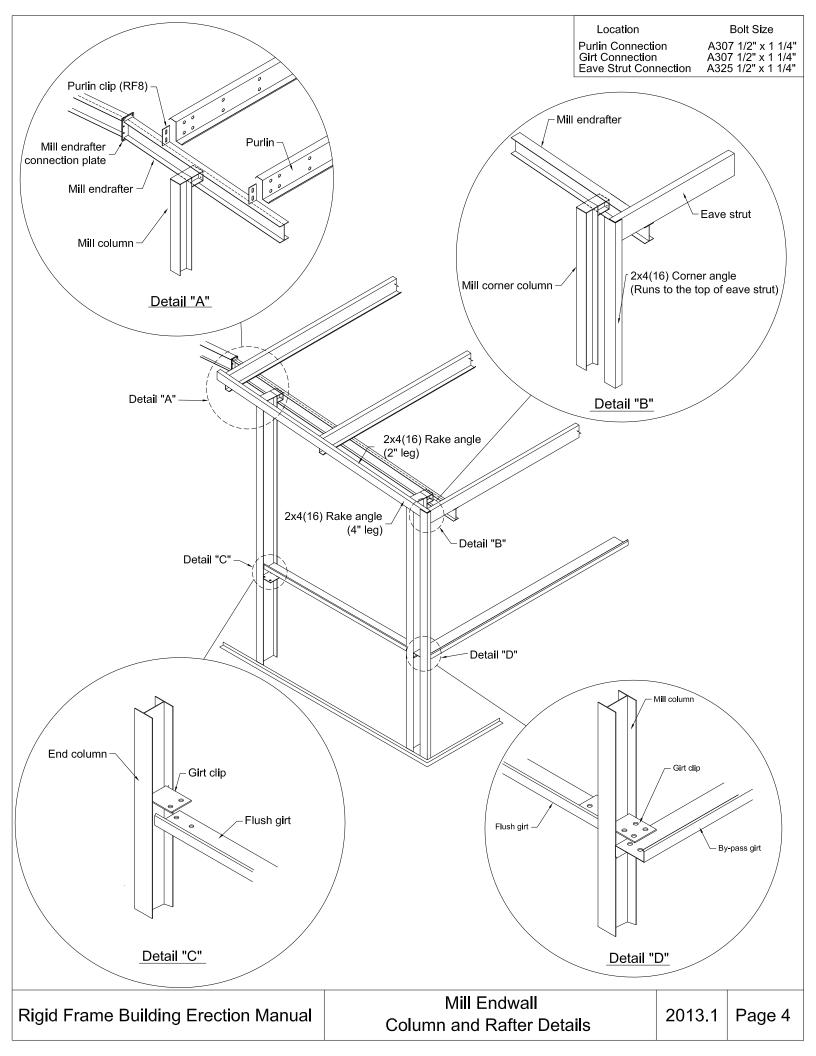
Wall panel to base girt

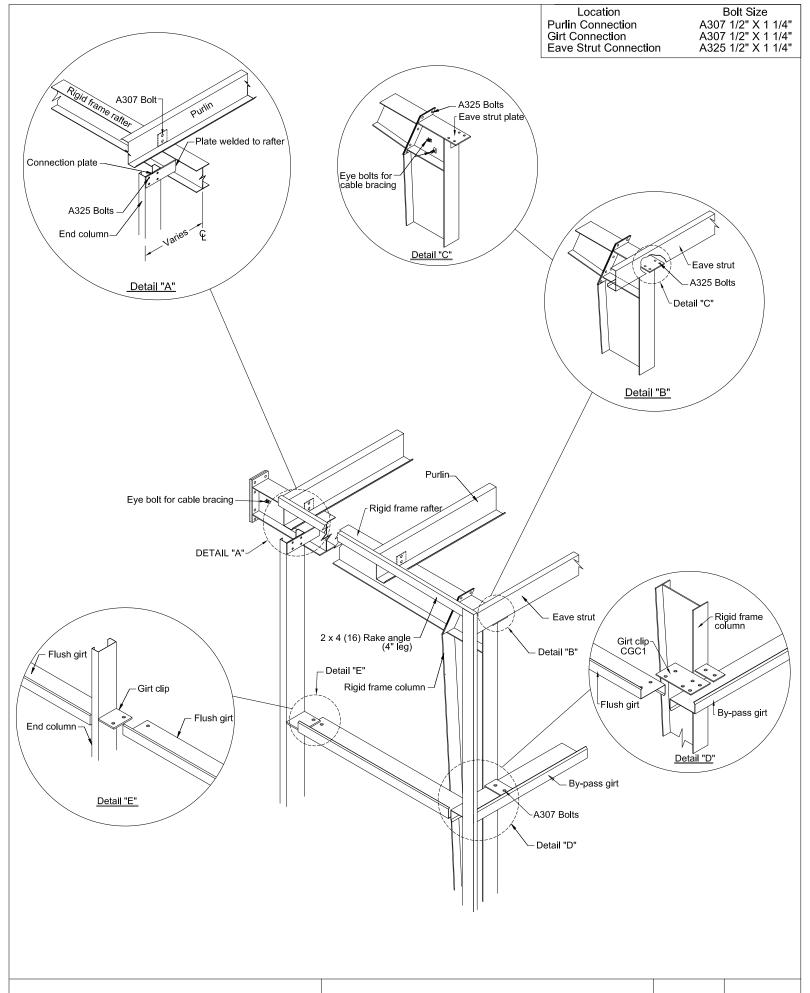
#12 x 1 1/4" Self drillers
(2) per foot

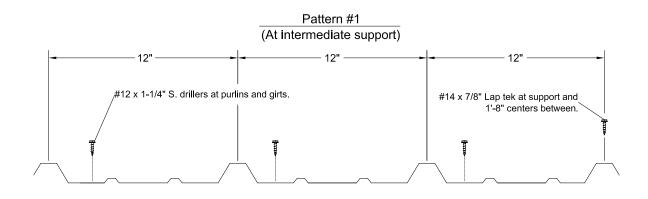
- Standard 2 x 4 (16) base angle comes in 20'-0" lengths. Base angle should be omitted at overhead doors, personnel doors, and framed openings. Base angle should be attached using nall anchors furnished by the manufacturer.
- 2. Base girts (Optional) are furnished continuous from column to column and must be field cut at personnel doors.
- Base channel (Optional) will be furnished in 20'-0" lengths. Omit base channel at all overhead doors, personnel doors, and framed openings. Field cut base channel as needed. Base channel should be attached using wedge anchors furnished by the manufacturer.
- 4. Base closures do not come standard at all base conditions. However, base closures can be marked on the contract to add to your building. Manufacturer does add base closures when no sheet recess is specified and when the building is not insulated. Base closures come in a 3'-0" length and are placed at the perimeter of the building. Omit base closures at overhead doors, personnel doors, and when sheet recess is used. (Unless specified otherwise)
- 5. All base members anchored directly to the floor must be anchored 3" from each end and on 2'-6" centers between.

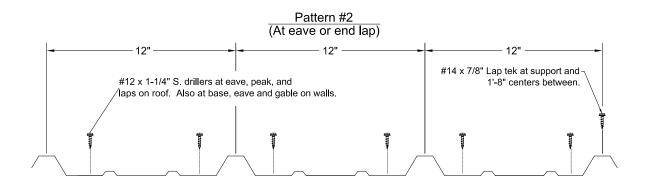


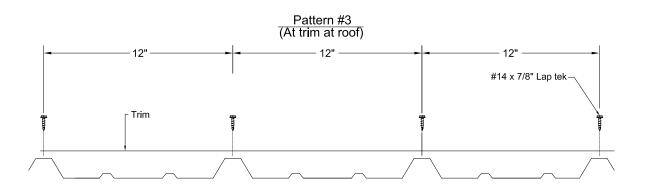












Stitch fastener #14 x 7/8" Lap tek to be placed 2'-6" O.C. Wall panel side lap detail

Stitch fastener $\#14 \times 7/8$ " lap tek to be placed over each purlin, and eave strut, and 1'-8" centers between. 1/2" Mastic tape (Roof only) Roof panel side lap detail

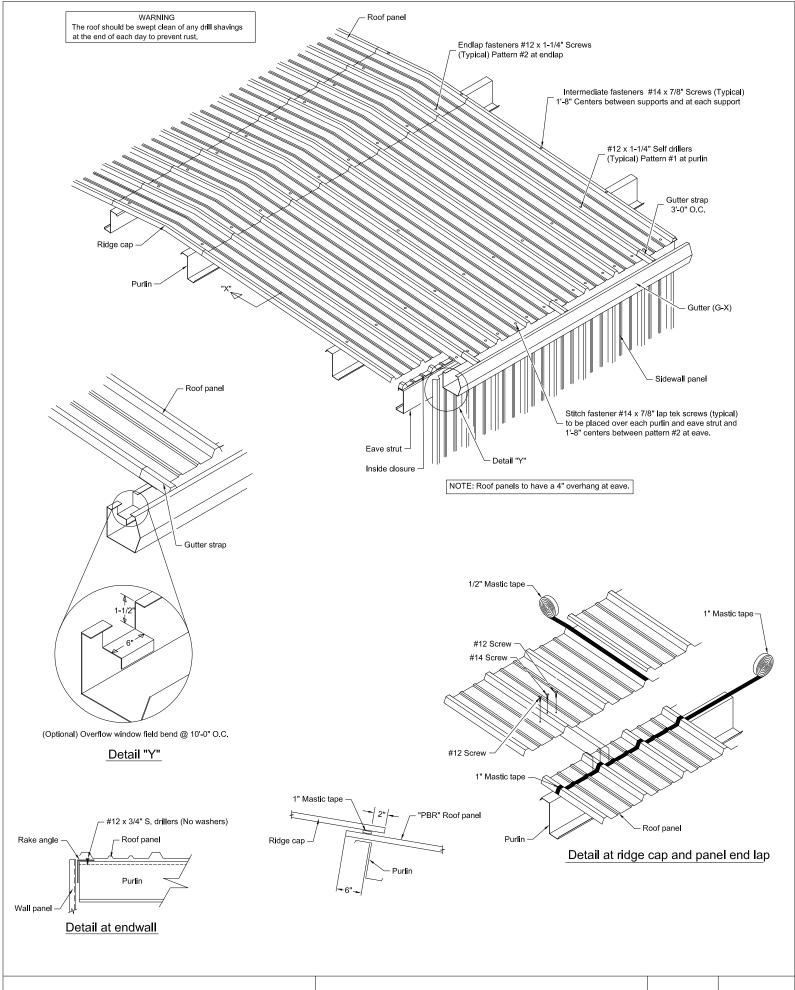
Warning! The roof should be swept clean of any drill shavings at the end of each day to prevent rust.

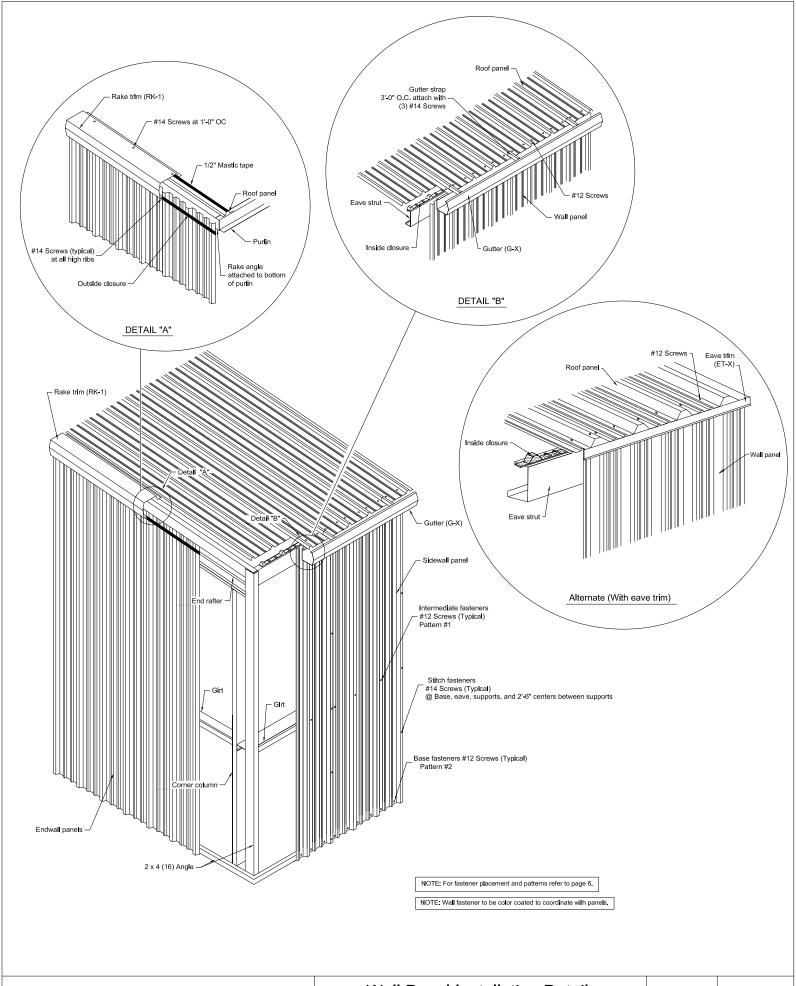
Construction #161

Roof Panel Fasteners - Panel to purlin connections to be #12-14x1-1/4" self-drilling hex head with a 5/8" O.D. washer 12" O.C. Spacing at all endlaps to be in a 5-7-5-7 in. repeating pattern. Spacing for panel to panel connections to be 1'-8" O.C. with a fastener located over each purlin.

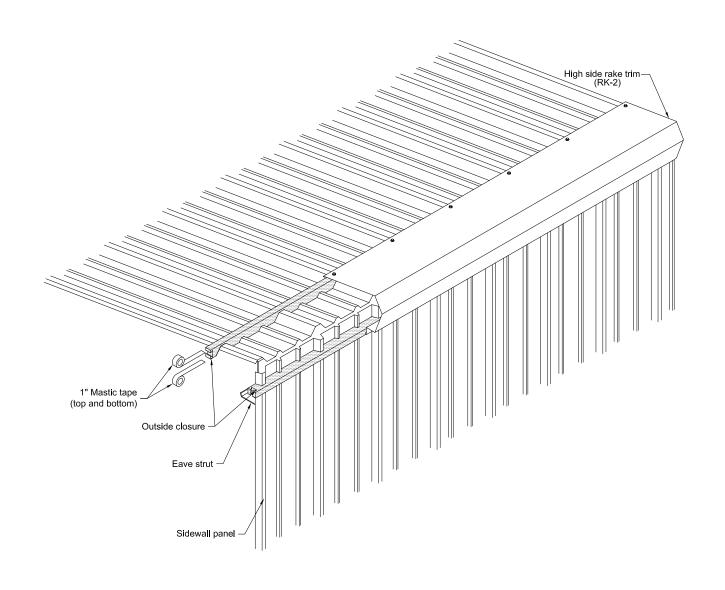
Purlins - No. 16 MSG min. gauge steel. (55 ksi minimum yield strength)

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





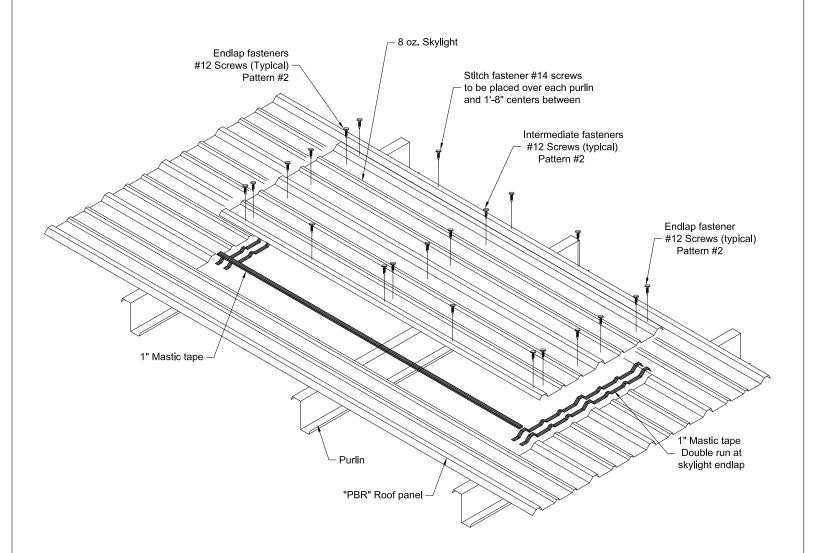
Note: Attach high side rake trim to roof panels and wall panels with #14X7/8" lap teks.



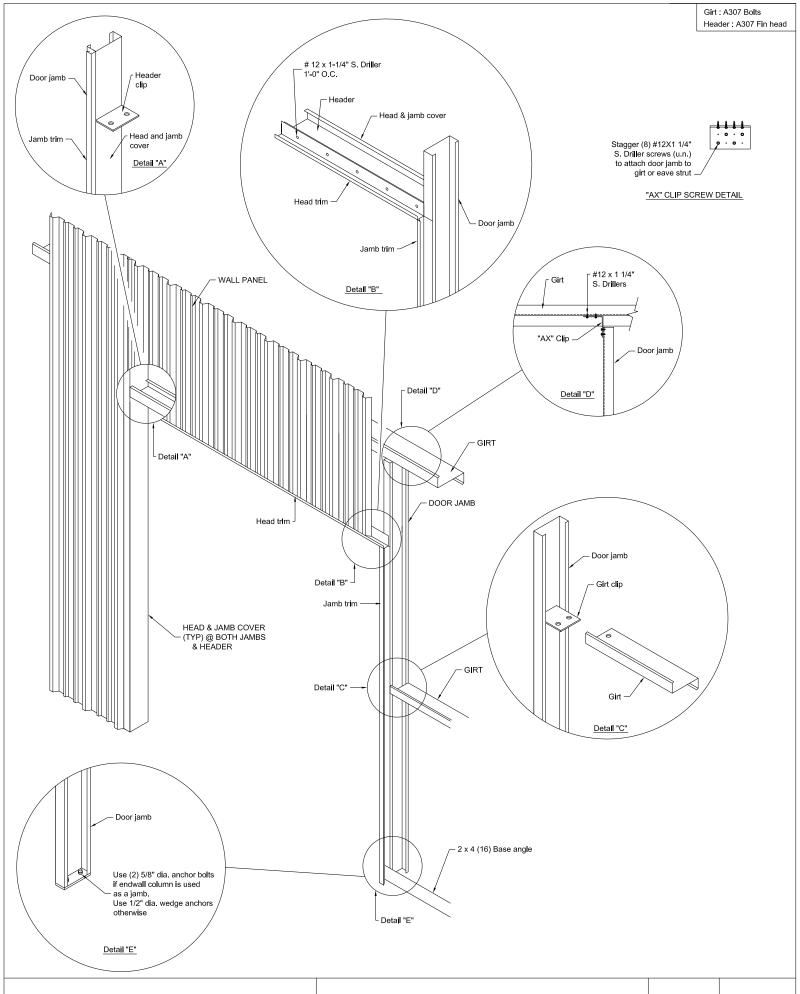
High side condition of single slope buildings

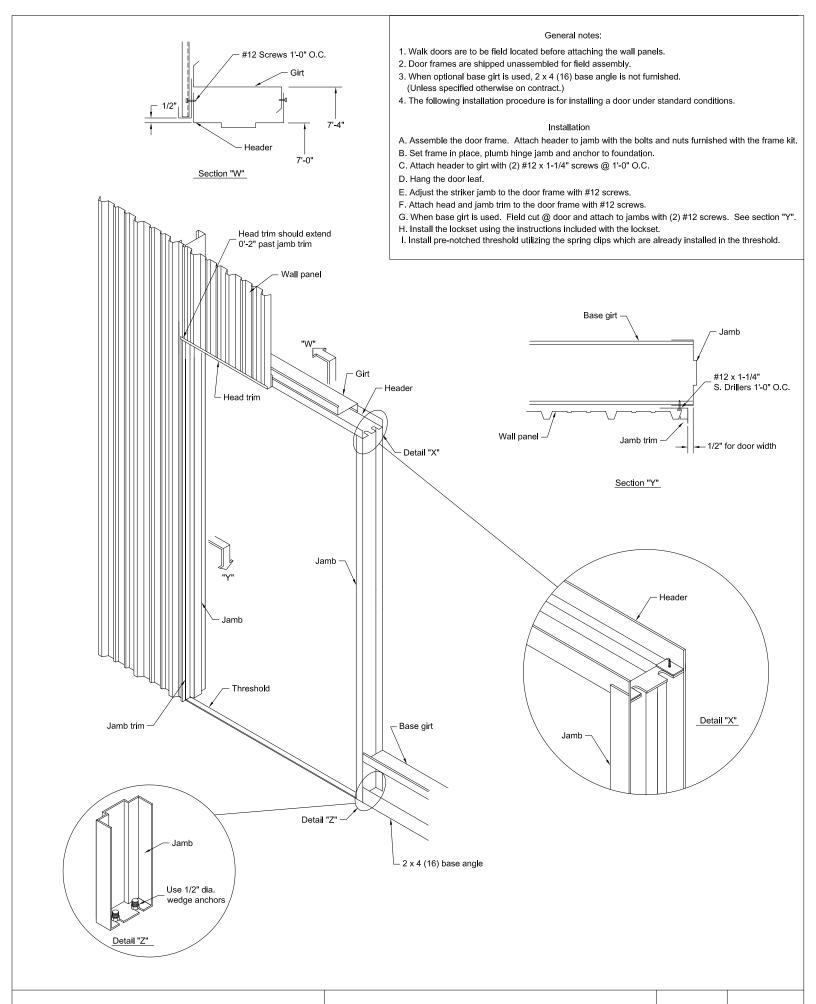
WARNING:

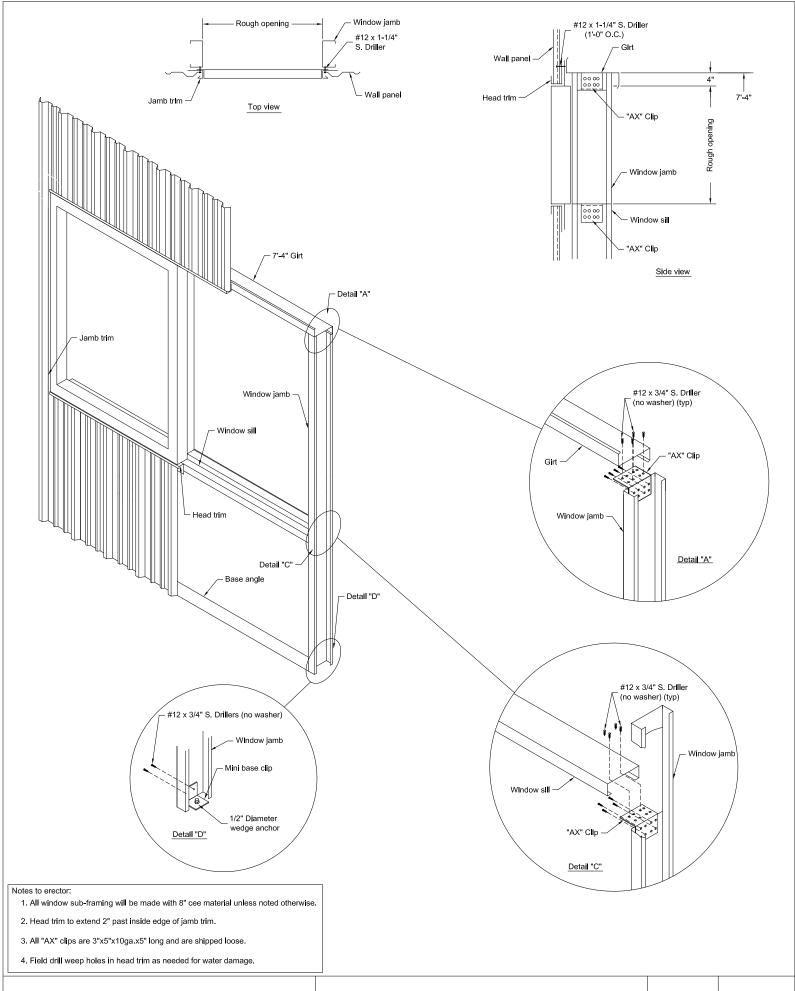
The roof should be swept clean of any drill shavings at the end of each day to prevent rust.

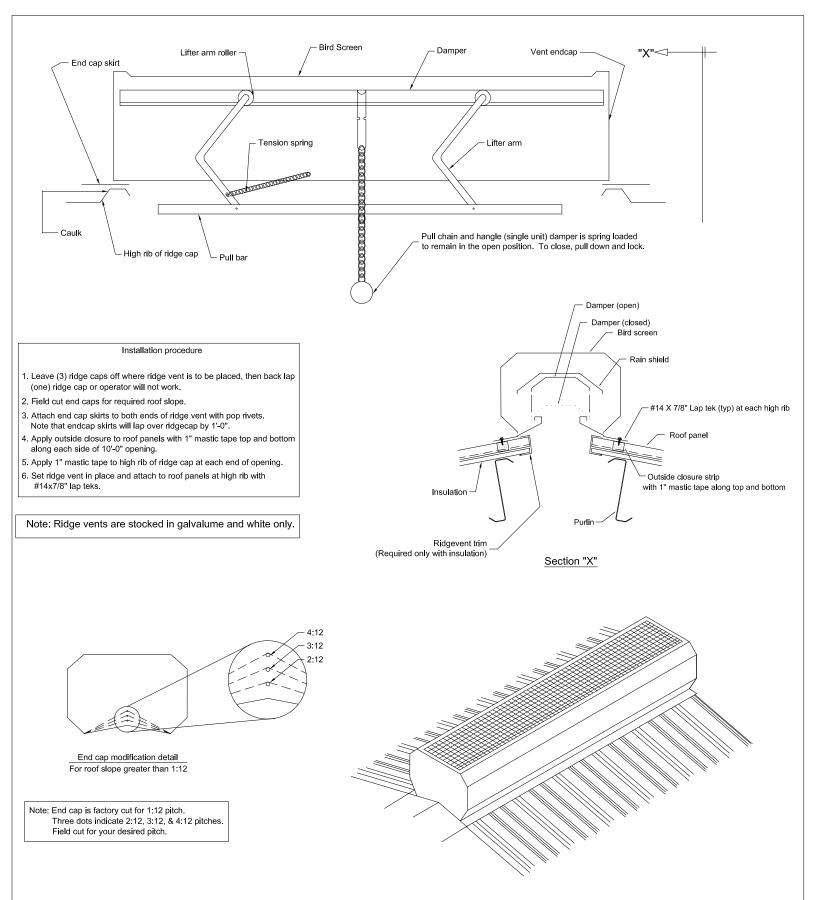


- 1. Skylight trim will be shipped only when roof is insulated.
- 2. Sidelap fiberglass skylight panels on top of metal roof panels.
- 3. See erection drawings for skylight location and laps.
- 4. For fastener placement refer to fastener spacing and patterns on page 6.



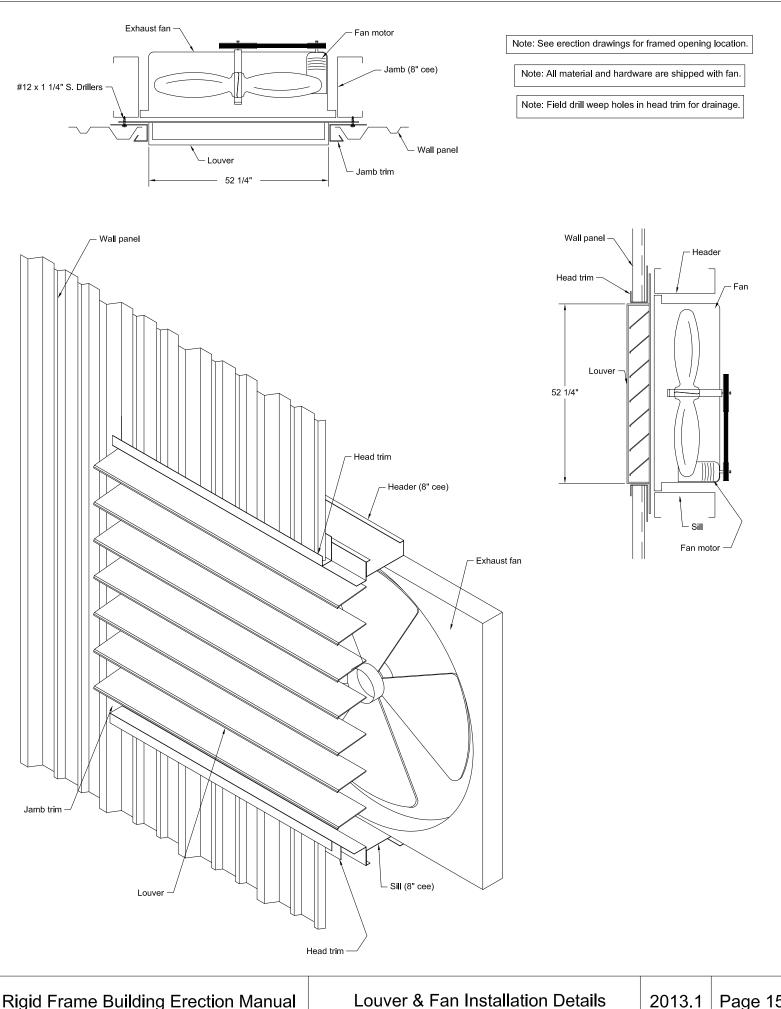


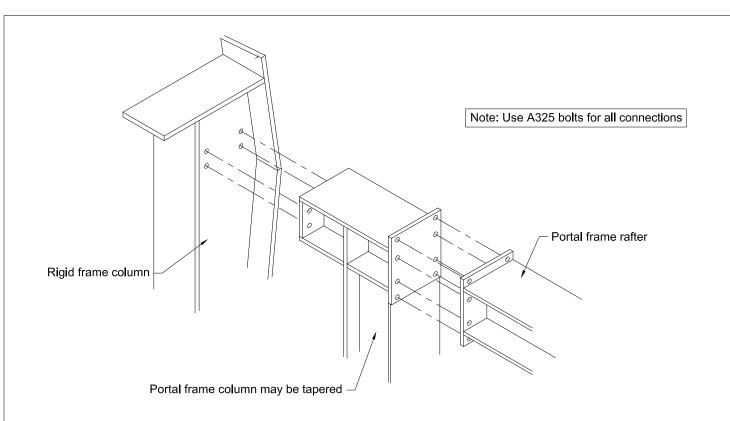


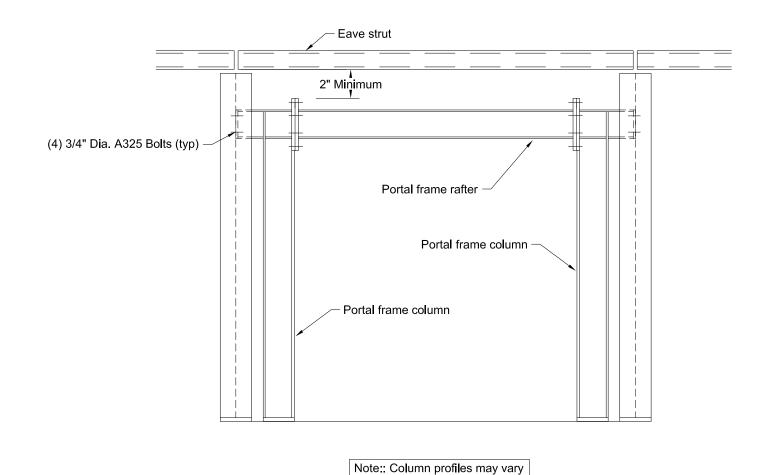


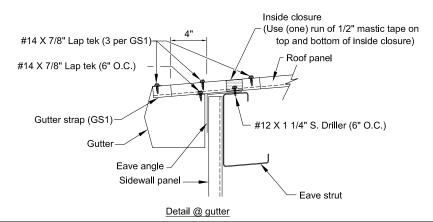
WARNING

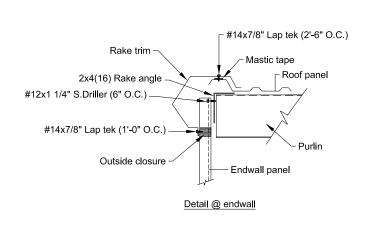
The roof should be swept clean of any drill shavings at the end of each day to prevent rust.

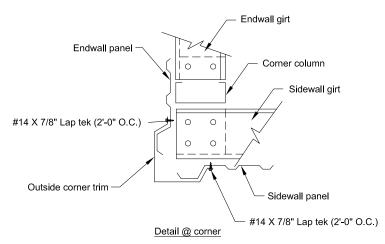












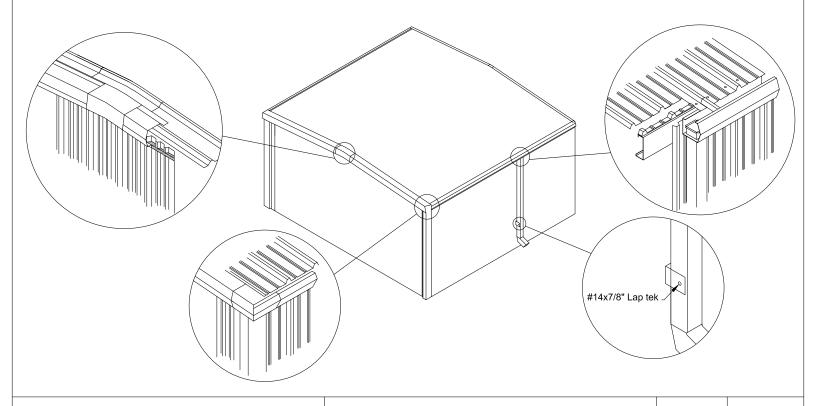
Gutter joints - (10) Pop rivets per joint and (one) tube of caulk per (3) joints.

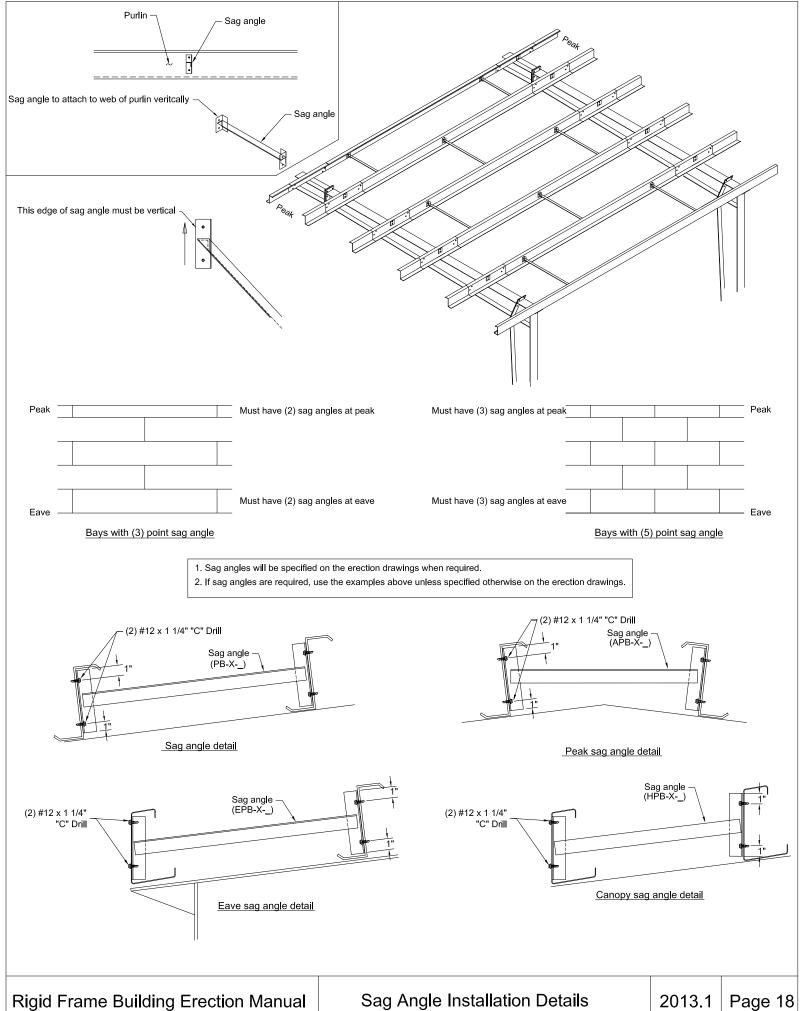
Downspouts - (10) Pop rivets per downspout joint and(one) tube of caulk per (3) downspout joint.

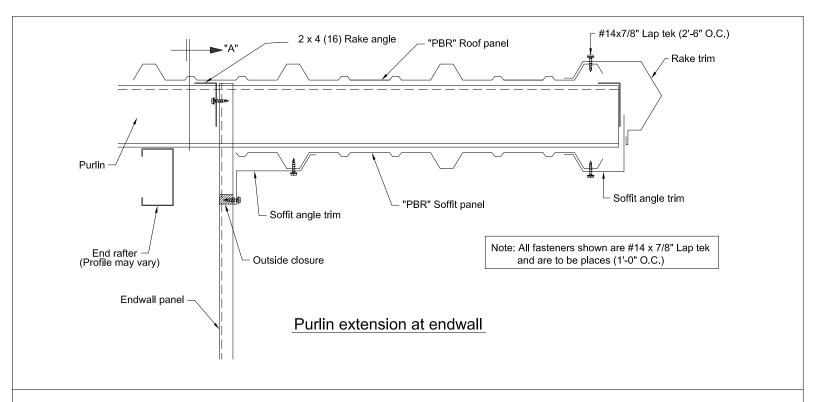
Corner boxes - (10) Pop rivets per corner box.

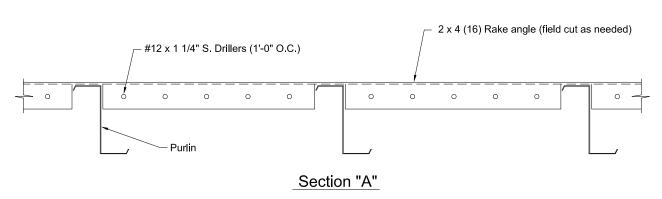
Peak boxes - (10) Pop rivets per peak box.

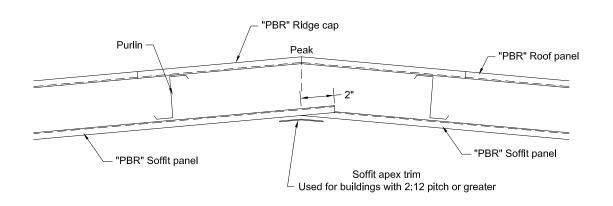
Gutter endcaps - (10) Pop rivets per gutter endcap and (one) tube of caulk per (2) gutter endcaps.







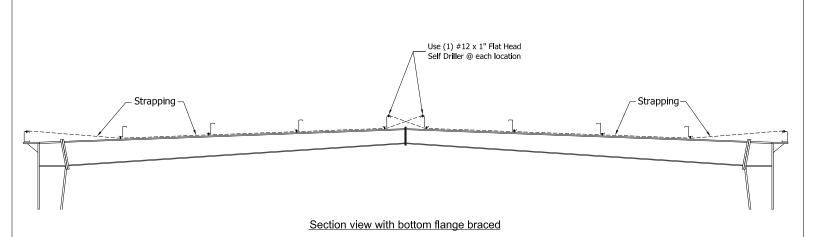


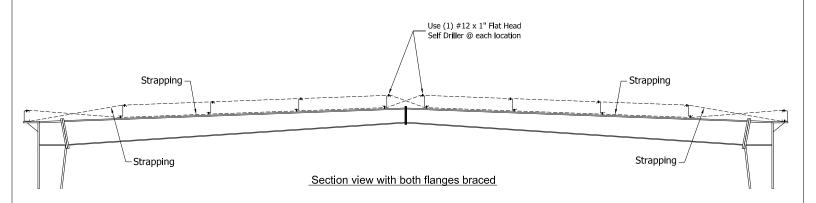


SOFFIT PANEL LAP AT ENDWALL PEAK

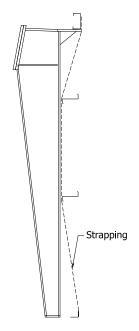
Note: Soffit panels to lap 2" at peak

Note: Refer to page 6 for fastener spacing and placement

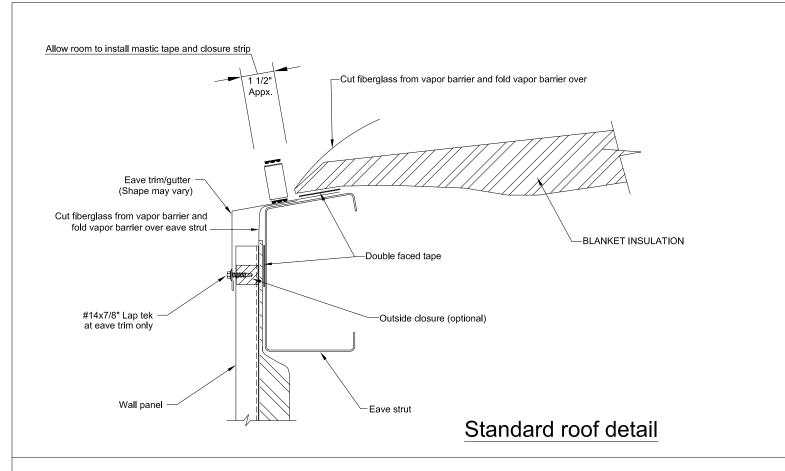




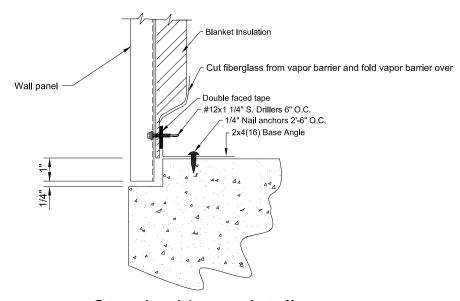
Note: Refer to erection drawings for strapping placement. Strapping will be specified on erection drawings if required.

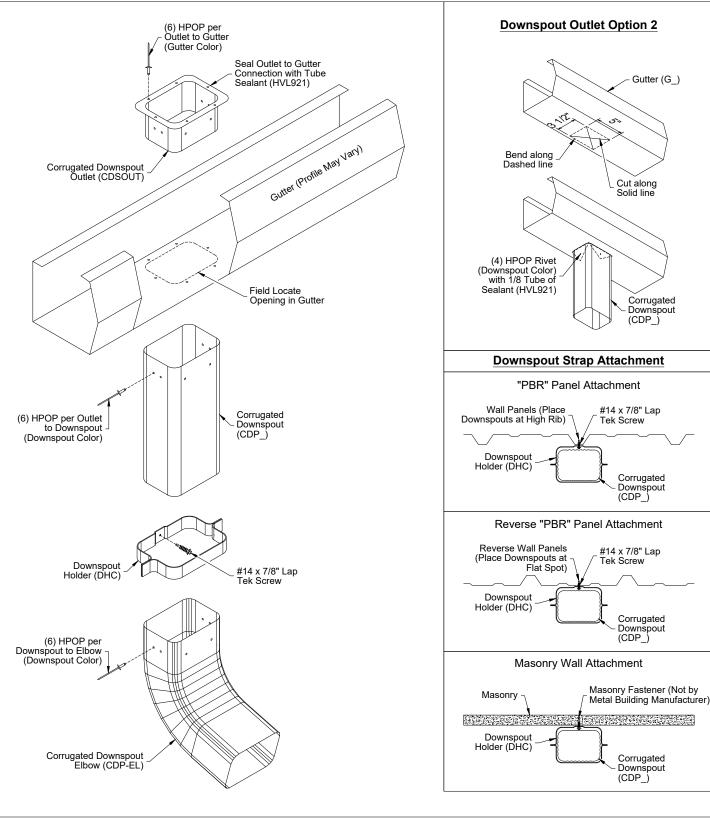


Sidewall view for strapping

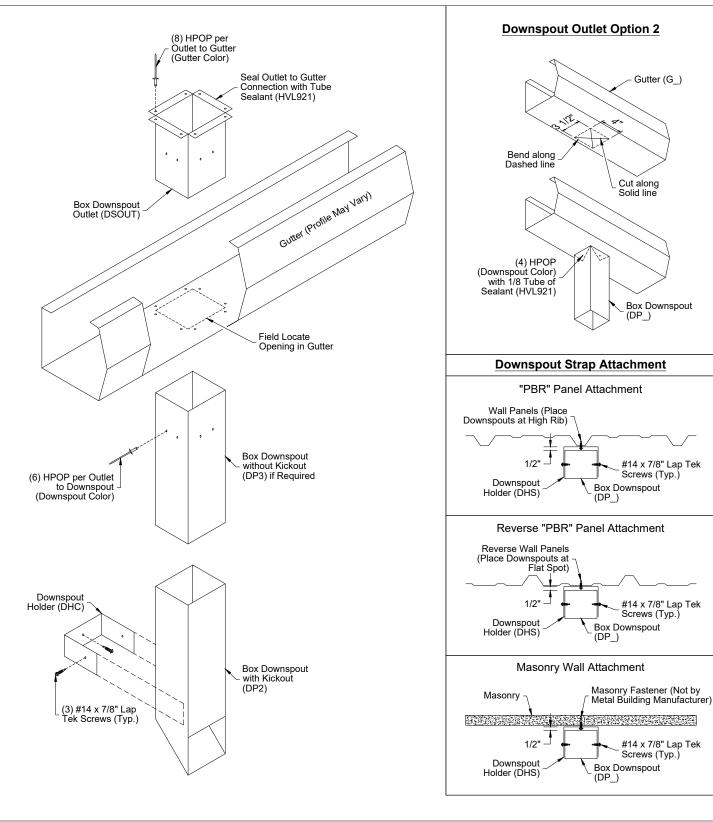


- 1. Do not allow insulation to wick moisture.
- 2. Never cut the insulation off even with the edge of the panels.
- 3. Trim excess fiberglass from vapor barrier back and fold vapor barrier over fiberglass 3" at base and eave.
- 4. Insulation which wicks moisture will damage panels and void any panel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





- 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".



- 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".