

Grant County Building Department

264 W Division, Ephrata, WA 98823

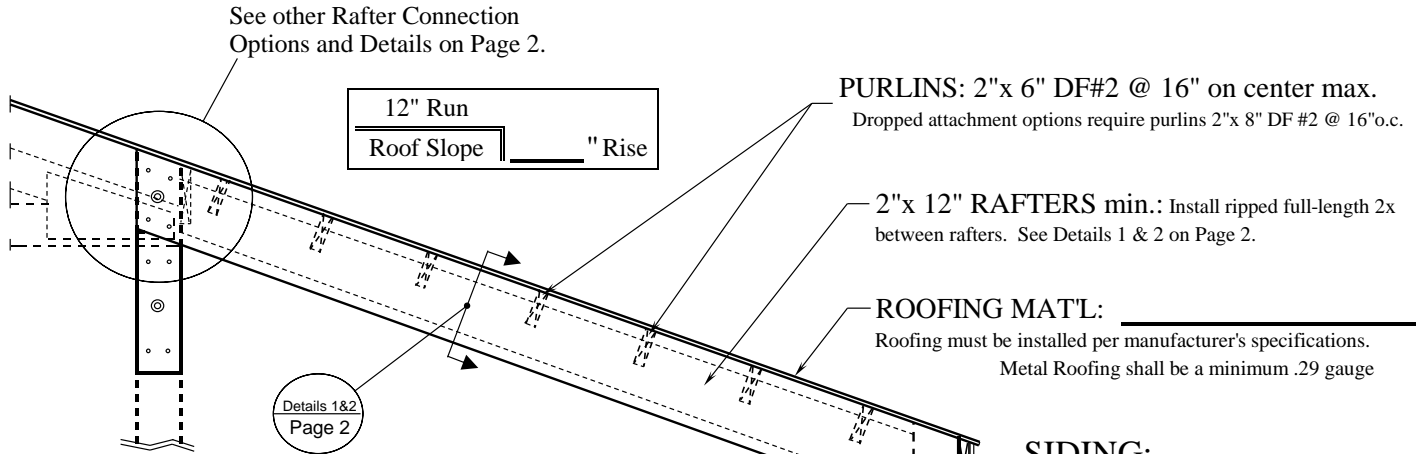
509 754-2011, ext. 3001

Post Frame Lean-to Structure

To use this handout as your building plans, fill in the blanks below. Construct the building as per the specifications on this page and the following pages.

RETURN THIS ENTIRE HANDOUT. THESE ARE YOUR BUILDING PLANS.

This building design is applicable within the following criteria: IRC Seismic Design Category "C"; Wind speed, $V_{ult} = 110$, Exposures A, B & C; Roof trusses shall be designed with a minimum 20 lb. roof live load; The assumed soil bearing pressure is 2,000 p.s.f.



Use of this lean-to post frame handout is limited to additions to: Group U Accessory Occupancies to a residence, and to private farm buildings that are compliant with IBC Table 506.2 for allowable area and/or the provisions of IBC Appendix C. Design parameters shall not exceed those listed in this handout.

Use of these plans is limited to conventional post frame construction with rafter or truss spans no greater than 15'-6".

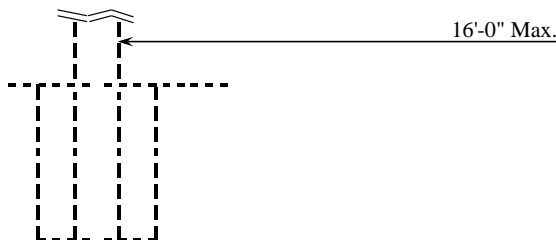
Roof slopes shall be 3:12 or greater.

Lean-to wall heights shall not exceed 16'-0" from the top of the concrete piers to the bottom of the rafters.

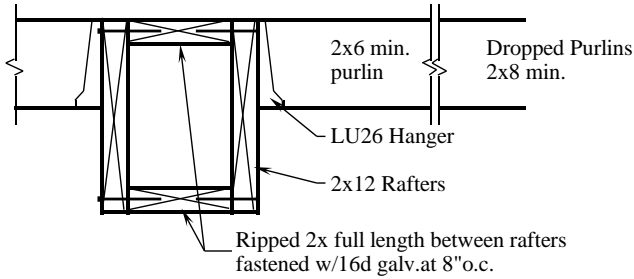
Commercial girts shall be installed as per the GC Post Frame handout.

This lean-to design shall not be modified in any way.

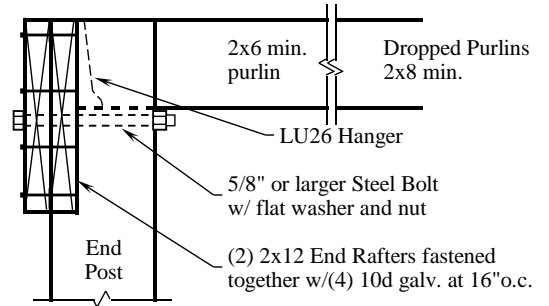
This GC lean-to design shall not be used as a freestanding building.



Lean-To Construction Details

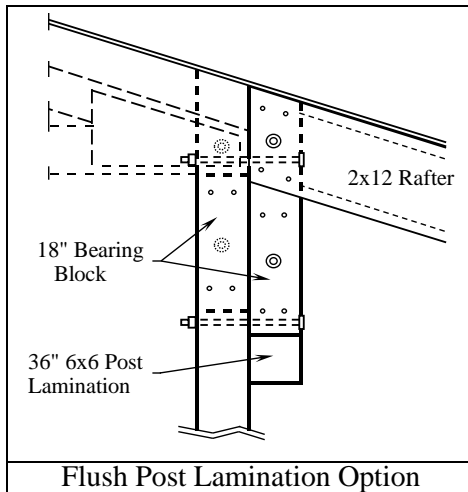


① Box Rafter Detail N.T.S.



② Endwall Rafter Option Detail N.T.S.

Lean-to/Pole Bldg Connection Options



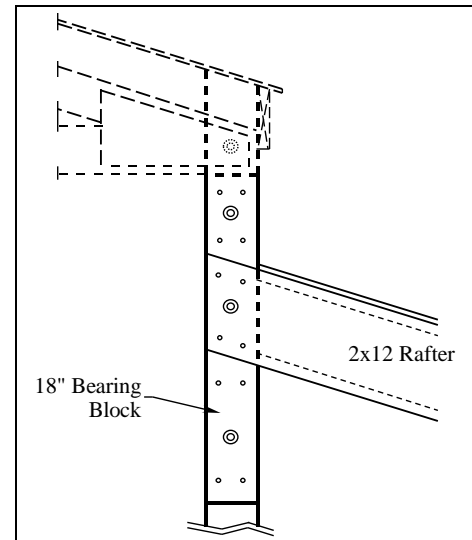
Flush Post Lamination Option

Rafters and Bearing Blocks

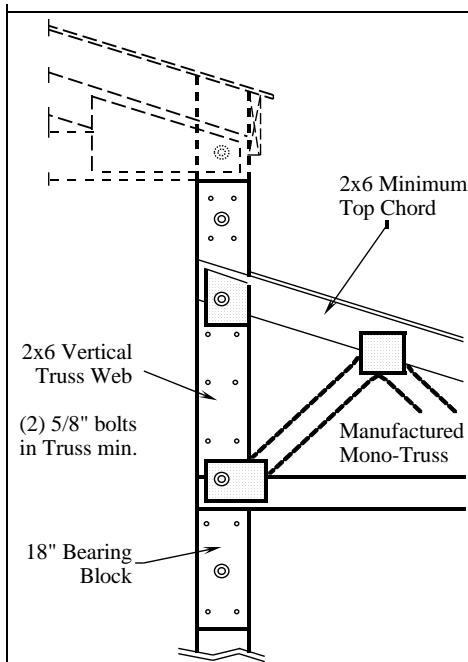
Fasten to Posts w/ 5/8" or larger Steel Bolt w/nuts and washers, and (4) 20d Galvanized Nails

36" 6x6 Post Laminations

Fasten to Building Posts with (2) 3/4" or larger Steel Bolts w/nuts and washers. Bolts shall be installed no less than 6 inches and no greater than 8 inches from each end of the 6x6 lamination block.



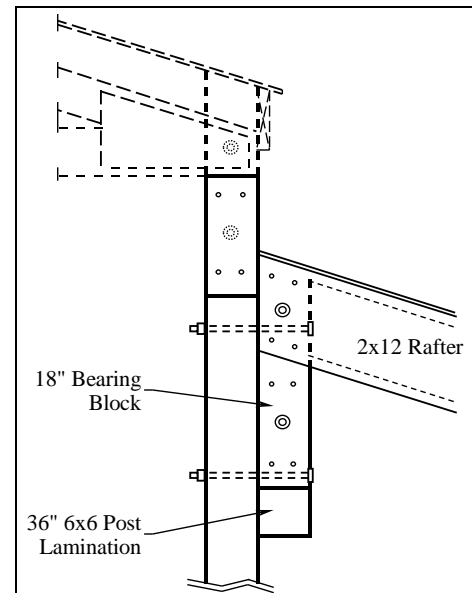
Dropped Direct Attachment Option



MonoTruss Direct Attachment Option

Lean-To Purlins

Purlins installed for the Lean-To shall be not less than 2x6 DF#2 at 16" o.c. If using one of the dropped Lean-To connection options, the roof purlins shall be not less than 2x8 DF#2 at 16" o.c.



Dropped Post Lamination Option