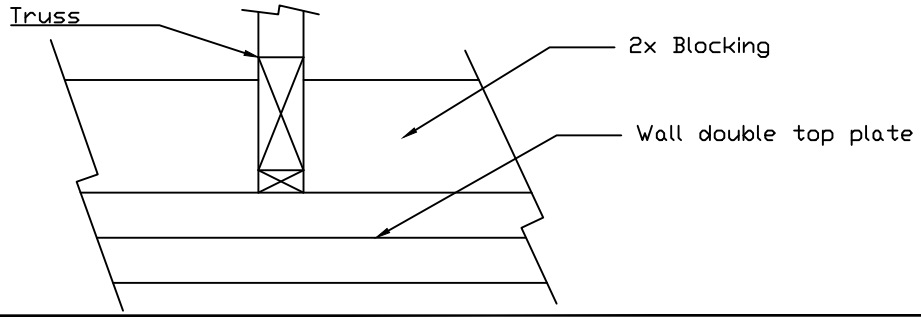
Blocking Reinforcement Detail

Blocking specified on the Alpine Truss Design Drawing does not replace or satisfy the blocking requirements of the IBC and IRC for braced walls and roof diaphragms. Refer to the Building Designer's specifications for wall blocking needed to meet IBC and IRC requirements. Blocking used to meet IBC and IRC requirements for braced walls and roof diaphragms may be used in place of blocking specified on Alpine Truss Design Drawing if blocking is properly placed and attached per IBC and IRC.

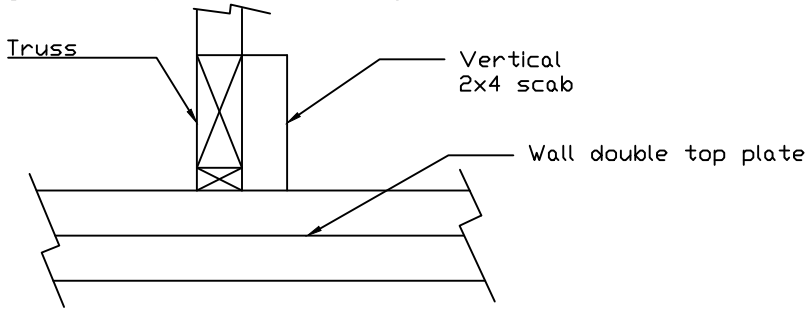
Option 1 - Blocking Between Trusses

Apply blocking using 2x stress-graded lumber attached perpendicular to and between trusses at the heel or interior bearing. Blocking is to be sized as specified on Alpine truss drawing. Attach blocking at each end to trusses with (3) equally spaced 0.131"x3" nails driven through truss members into end of block or (2) equally spaced 0.131"x3" nails, toe-nailed through block into truss members. Blocking shall be placed on both sides of truss requiring reinforcement and shall be sized to fit tight between trusses.



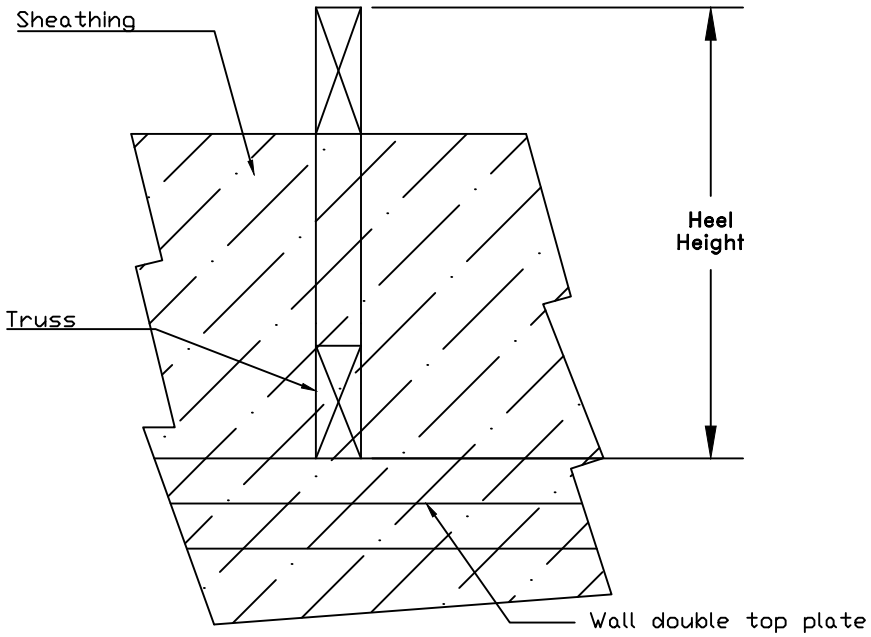
Option 2- Scab Reinforcement

Attach a vertical scab using 2x4 stress-graded lumber to one side of the truss at the bearing. Attach with 2 equal spaced staggered rows of 0.131"x3.0" nails @ 4" o.c. The scab shall be the full truss depth at the heel. Vertical scab is not a replacement or substitution for any bearing block requirements that may be specified on the truss design drawing.



Option 3-Truss Attachment to Wall Sheathing

For truss heel heights between 9.25" and 15.25" and where the outside edge of truss heel aligns with the outside face of the wall studs below, wood structural panel sheathing extending above the top plate shall be fastened to truss with (5) 0.131"x2.5" nails into end of truss members with nail quantities divided proportionately between contacted truss members. The depth of sheathing above wall plate must meet or exceed the blocking reinforcement depth as specified on the Alpine truss design drawing. Sheathing shall be attached to the wall in accordance with IRC2018 R602.3 and IBC2018 2304.6.



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