



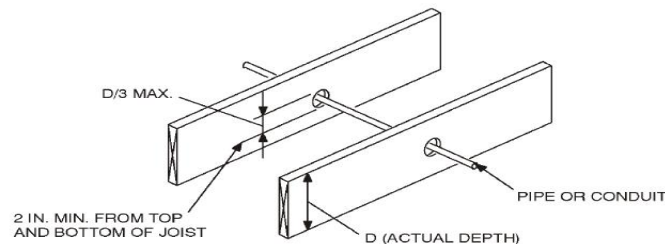
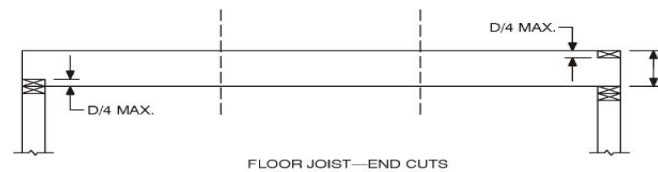
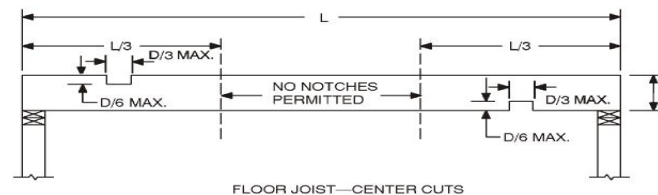
Notching and Boring in Wood Framing

Notching and boring requirements are addressed in the Minnesota State Building R602 to insure the structural integrity of wood members.

Notching and Boring Holes in Floor Members

- Notching not to exceed $1/6$ depth of the member and no longer than $1/3$ depth of the wood member. Notches are not allowed in the middle $1/3$ of the wood span.
- Notches of the ends of a member not to exceed $1/4$ of the depth.
- Boring or cuttings of holes are not to be greater than $1/3$ depth and no closer than 2" to the top or bottom edge or within 2" of another hole or notch.

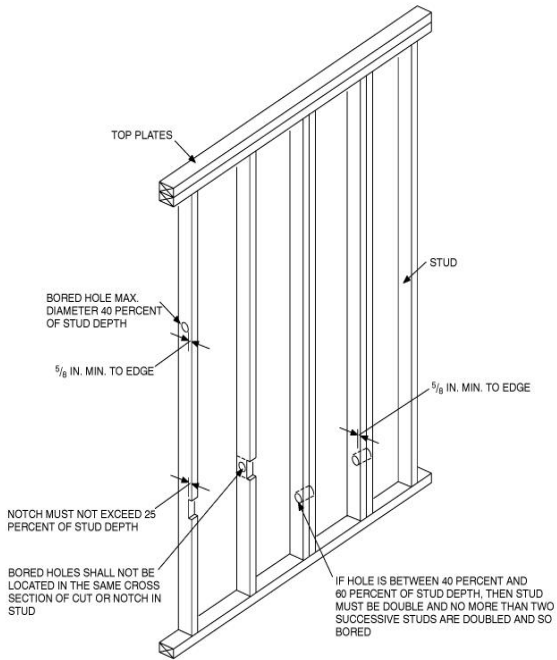
*Cuts, notches and holes bored in trusses, structural composite lumber, glue laminated members or I-joist are prohibited except where permitted by the manufacture or where the alterations are specifically considered in the design by a registered design professional.



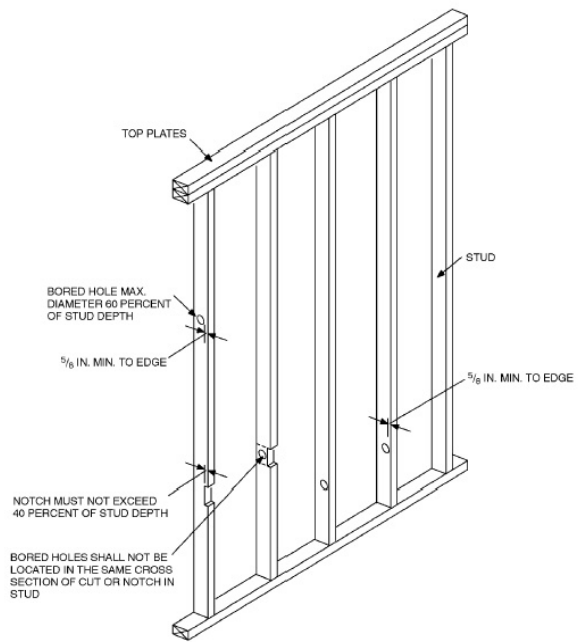
Notching and Boring in Wood Walls

- Load bearing and exterior walls may be cut or notches to a depth not exceeding 25% of the width. If a hole is drilled more than 40% but not to exceed 60%, a double stud must be used. Bored holes are not to be closer than $5/8$ " to the edge
- In non-load bearing walls, studs may be notched up to 40% of a single stud width. Holes may be bored up to 60% of the stud width and no closer than $5/8$ " to the edge of the stud member.

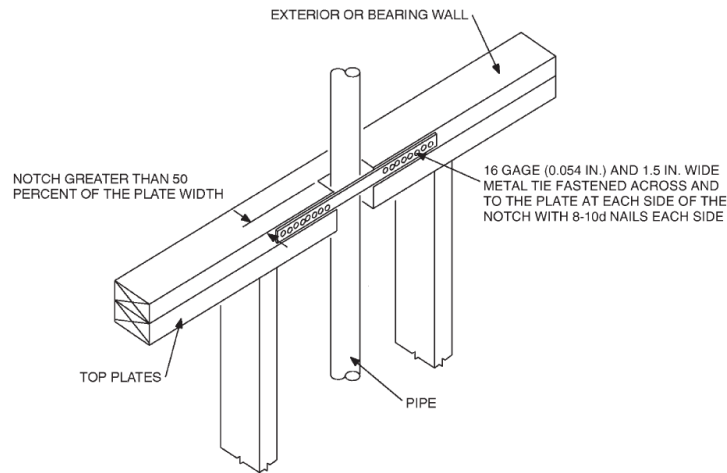
- When boring or notching a top plate in a bearing or exterior wall of more than 50%, a 16 gauge metal strap 1 1/2" wide shall be fastened across the opening with 8 16d nail on both ends.
 - Exception: When the entire side of the wall with the notch side is covered with a structural panel.



Exterior or load bearing wall



Interior non-loading bearing wall



Load bearing or exterior wall top plate

(This information is only to be used as a general guideline for building and does not contain all requirements.)