

Cutting, Notching, and Boring of wood



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Building Inspections Division
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763-488-6379

The purpose of this guide is to provide code requirements for notching and boring of wood studs, joists, and wall plates. Cutting, notching, and boring of manufactured lumber such as laminated veneer lumber (LVL), consult the manufacturer's installation instructions.

NOTCHING AND BORING WOOD STUDS ²				
	Maximum Diameter of Hole	Distance From Hole to Edge of Stud	Location	Maximum Depth of Cut or Notch
Bearing/Exterior Studs ¹	40% of Stud Width	5/8" Minimum	Not same section as cut or notch	25% of Width of Stud
Interior Nonbearing Studs	60% of Stud Width	5/8" Minimum	Not same section as cut or notch	40% of Width of Stud

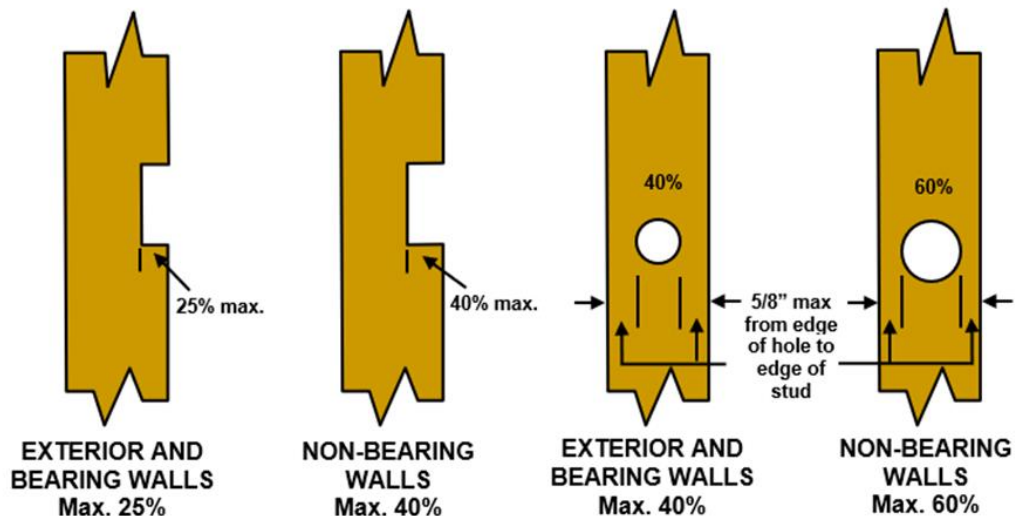
This guide is not intended nor shall be considered to cover all requirements of the Minnesota State Building Code or city ordinances.

- ¹ Exterior or bearing studs may be bored or drilled provided that the diameter of the resulting hole is not greater than 60 percent of the stud width and provided that the studs are doubled and not more than two successive studs are bored, the edge of the hole is no closer than 5/8 inch to the edge of the stud, and the hole is not located in the same section as a cut or notch.
- ² Stud shoes may be approved when installed in accordance with the manufacturer's installation instructions.

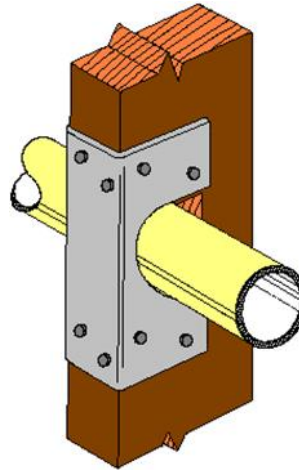
If you need this information in another language or format or disability accommodations, email access@brooklynpark.org or call 763-424-8000.

Si usted necesita esta información en español: 763-424-8000

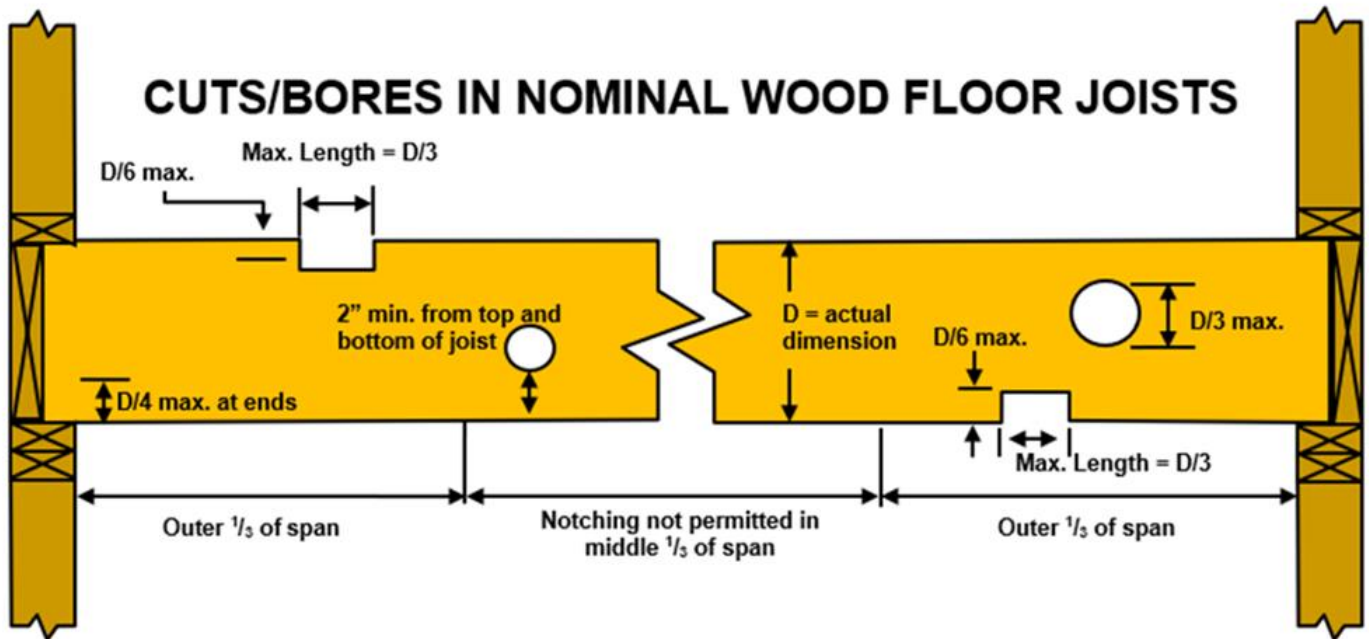
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Stud shoes may be approved when installed in accordance with the manufacturer's installation instructions

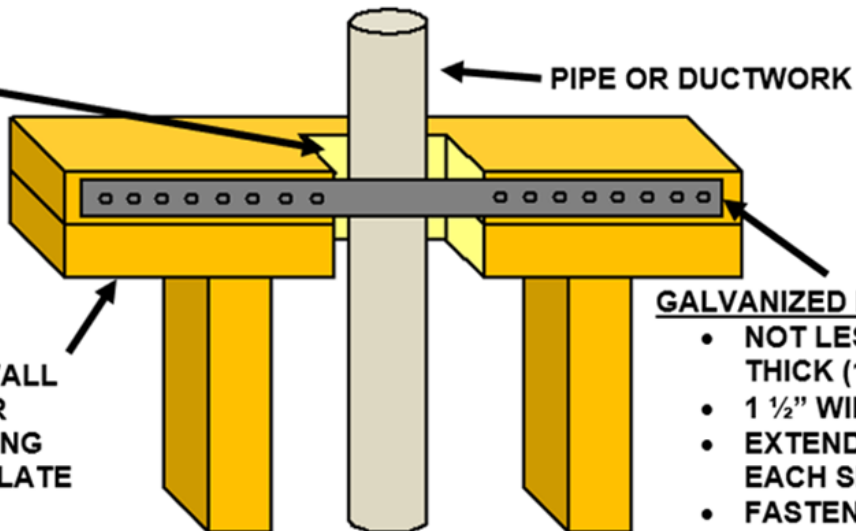


CUTS/BORES IN NOMINAL WOOD FLOOR JOISTS



IF NOTCH OR HOLE IS GREATER THAN 50% OF TOP PLATE WIDTH A GALVANIZED METAL TIE SHALL BE INSTALLED.

EXTERIOR WALL OR INTERIOR LOAD-BEARING WALL TOP PLATE



GALVANIZED METAL TIE

- NOT LESS THAN .054" THICK (16 GAGE)
- 1 1/2" WIDE
- EXTEND 6" BEYOND EACH SIDE OF NOTCH
- FASTEN WITH 8- 1 1/2" 10D NAILS EACH SIDE