



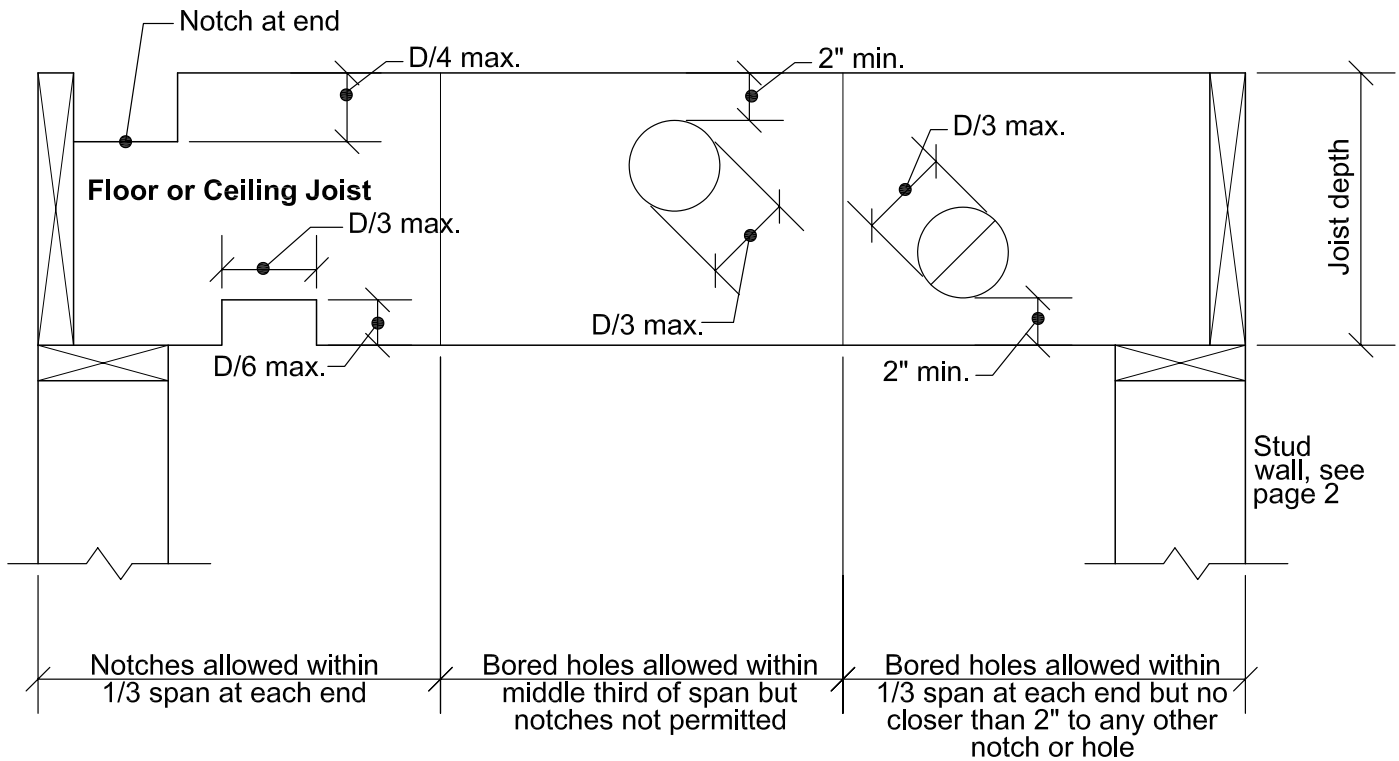
CONSTRUCTION TIP SHEET 11
Notching & Boring Rafters/Joists/Studs

April 2009

2006 Codes

IRC R502.8 & R802.7

D/3 = 1/3 the depth of the joist
D/4 = 1/4 the depth of the joist
D/6 = 1/6 the depth of the joist



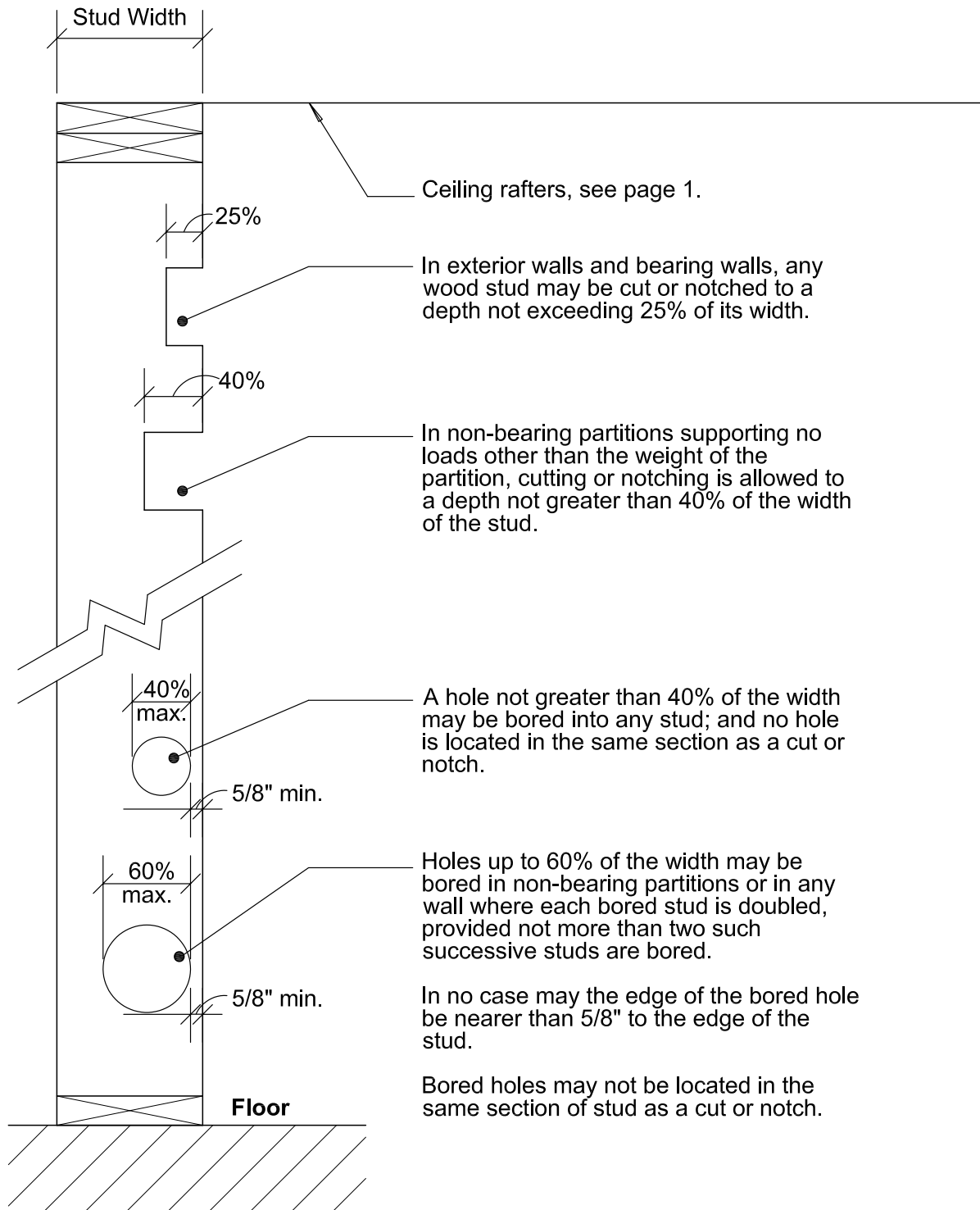
NOTE:
 A notch not exceeding 1/3 the depth of the member is permitted in the top of a rafter or ceiling joist not further from the face of the support than the depth of the member.
 The tension side of members 4" or greater in thickness must not be notched except at the ends of the members.

GENERAL INFORMATION:

- The intent of this tip sheet is to address the restrictions of the notching & boring of studs in one-, two-, and three-story residential structures. For specific questions not addressed here or requiring further clarification, please contact your local building department.
- This tip sheet does not supercede information shown on approved plans prepared by a licensed architect or engineer.

Notching & Boring of Rafters/Joists/Studs

IRC R602.6



Ceiling rafters, see page 1.

In exterior walls and bearing walls, any wood stud may be cut or notched to a depth not exceeding 25% of its width.

In non-bearing partitions supporting no loads other than the weight of the partition, cutting or notching is allowed to a depth not greater than 40% of the width of the stud.

A hole not greater than 40% of the width may be bored into any stud; and no hole is located in the same section as a cut or notch.

Holes up to 60% of the width may be bored in non-bearing partitions or in any wall where each bored stud is doubled, provided not more than two such successive studs are bored.

In no case may the edge of the bored hole be nearer than 5/8" to the edge of the stud.

Bored holes may not be located in the same section of stud as a cut or notch.