CUTTING, NOTCHING & BORING

CUTTING, NOTCHING & BORING OF STUDS:

EXTERIOR WALLS AND BEARING PARTITIONS

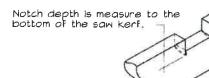
* Wlath MAXIMUM SIZES AS FOLLOWS: Width BORED HOLES: Maximum size hole, 40% of width 2×4 - 1 3/8" ø hole 2×6 - 2 3/16" ø hole 5/8" Min. *5/8" Min. BORED HOLES IN DOUBLE STUDS: Maximum size hole in double edge distance studs - 60% of width. No more than two adjoining double studs *5/8" Min. to be bored. 2X4 - 2 1/8" o hole 2X6 - 3 5/16" o hole edge distance dla. NOTCHES: Maximum depth 25% of width 2X4 - 7/8" deep notch 2X6 - 1 3/8" deep notch Stud Stud

INTERIOR NONBEARING WALLS

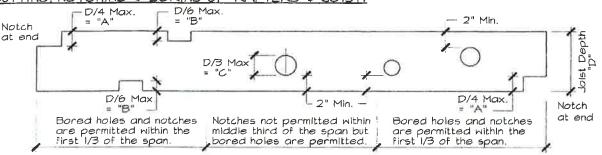
MAXIMUM SIZES AS FOLLOWS: BORED HOLES: Maximum size hole, 60% of width 2×4 - 2 1/8" φ hole 2×6 - 3 5/16" φ hole

NOTCHES: Maximum depth 40% of width 2×4 - 1 3/6" deep notch 2×6 - 2 3/16" deep notch

= Portion of stud remaining at notches or holes shall be sound wood without excessive strengthreducing properties such as knots, breaks, splits, excessive slope grain, etc.



CUTTING, NOTCHING & BORING of RAFTERS & JOIST:



	"A"	"B"	"C"
Joist Size	End Notches 1/4 of Depth	Notches 1/6 of Depth	Holes (Dia.) 1/3 of Depth
2X6	1 3/8"	7/8"	1 7/8"
2X8	17/8"	1/4"	2 3/8"
2XIO	2 3/8"	1 1/2"	3"
2XI2	2 7/8"	1 7/8"	3 3/4"
2XI4	3 3/8"	2 1/4"	4 1/2"

GENERAL NOTES:

- The residential occupancy detail and specifications above are provided to illustrate conventional construction provisions as set forth in the California Building Code. Because of varying conditions, details as shown may not meet the requirements of the Building Code, or other jurisdictions.
- Where excessive boring and notching occur the Building Official may require calculations to prove that no loss of structural strength has occured.



CUTTING, NOTCHING & BORING

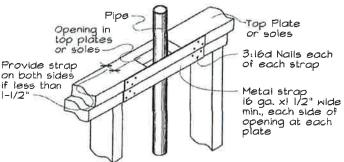
HELP FOR THE HOMEOWNER

Date: Sheet 1 of 2

CUTTING OF PLATES:

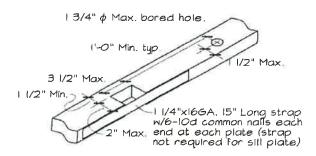
Where plumbing, heating or other pipes are placed in or partly in a partition, necessitating the cutting of the soles or plates, a metal tie not less than 0.058 inch (le gage galvanized) and 1 1/2 inches wide shall be fastened to each plate across and to each side of the opening with not less than six 16d nails.

For notches in plates in exterior walls or shear walls see below for requirements.



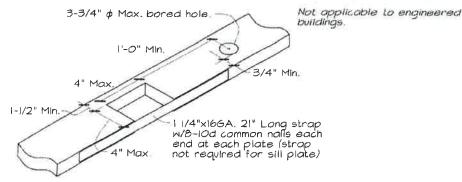
PENETRATIONS OF PLATES OF SHEAR AND EXTERIOR WALLS:

2X4 DOUBLE TOP PLATE, 2X4 or 3X4 SILL PLATE



2X6 DOUBLE TOP PLATE, 2X6 or 3X6 SILL PLATE (Plumbing Wall)

For notches and bores exceeding these limits consult building afficial for options engineering plans and calculations from a private engineer maybe required for some conditions.





HELP FOR THE HOMEOWNER

Date:

Sneel 2 of 2