

SEPTEMBER 2019

BUILDING

Please review the following images/figures discussing cutting, boring and notching that is from the 2015 International Residential Code. Concessions can be made if the structure is wrapped in OSB or additional backing or blocking installed in lieu of strapping. Final approval must be made by a City of Fremont Building Inspector.

CUTTING, BORING AND NOTCHING

In order to maintain the structural strength and integrity of wood framing, the code limits the amount and location of bored holes and notches in dimension lumber, as shown in Figures 6-9 through 6-12. The IRC generally prohibits boring, cutting or notching of trusses and other engineered wood products except as specifically permitted by the manufacturer. Otherwise, a registered design professional must consider any such alterations in the design of the engineered component. [Ref. R502.8, R602.6, R802.7]

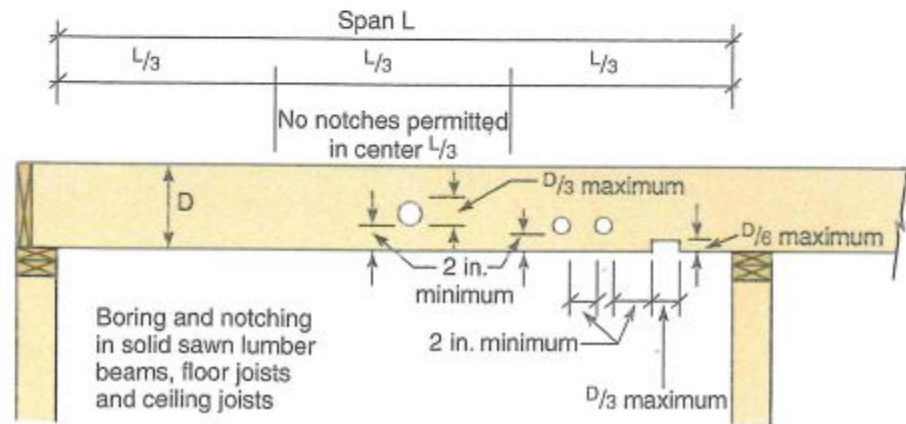
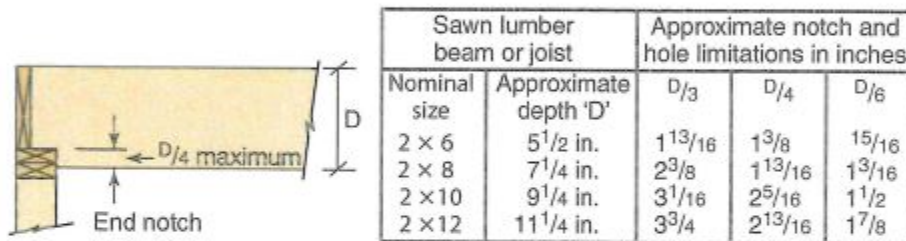


FIGURE 6-9 Boring and notching in solid sawn beams, floor joists and ceiling joists



*****DO NOT FORGET TO CALL FOR FINAL INSPECTIONS.*****

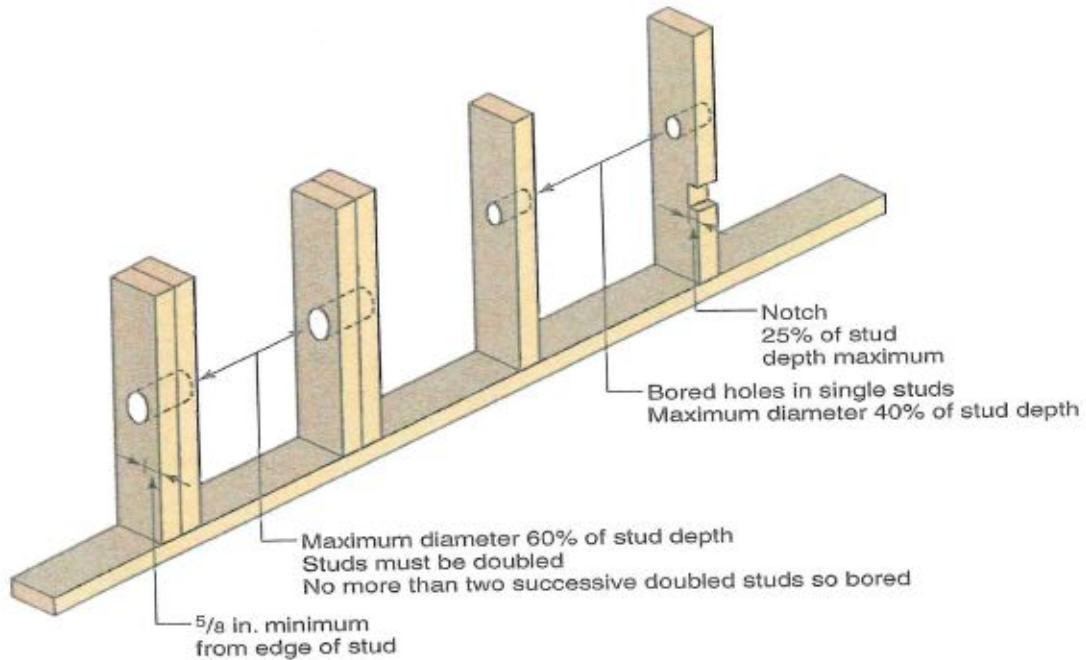


FIGURE 6-10 Boring and notching of studs in exterior wall or bearing interior wall

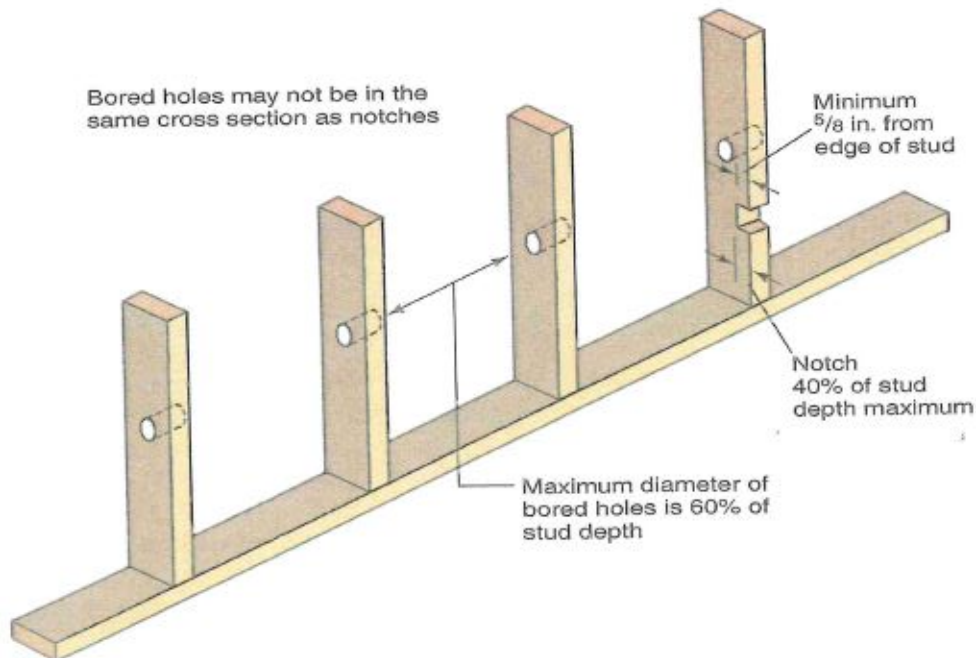


FIGURE 6-11 Boring and notching of studs in nonbearing interior wall



*****DO NOT FORGET TO CALL FOR FINAL INSPECTIONS.*****

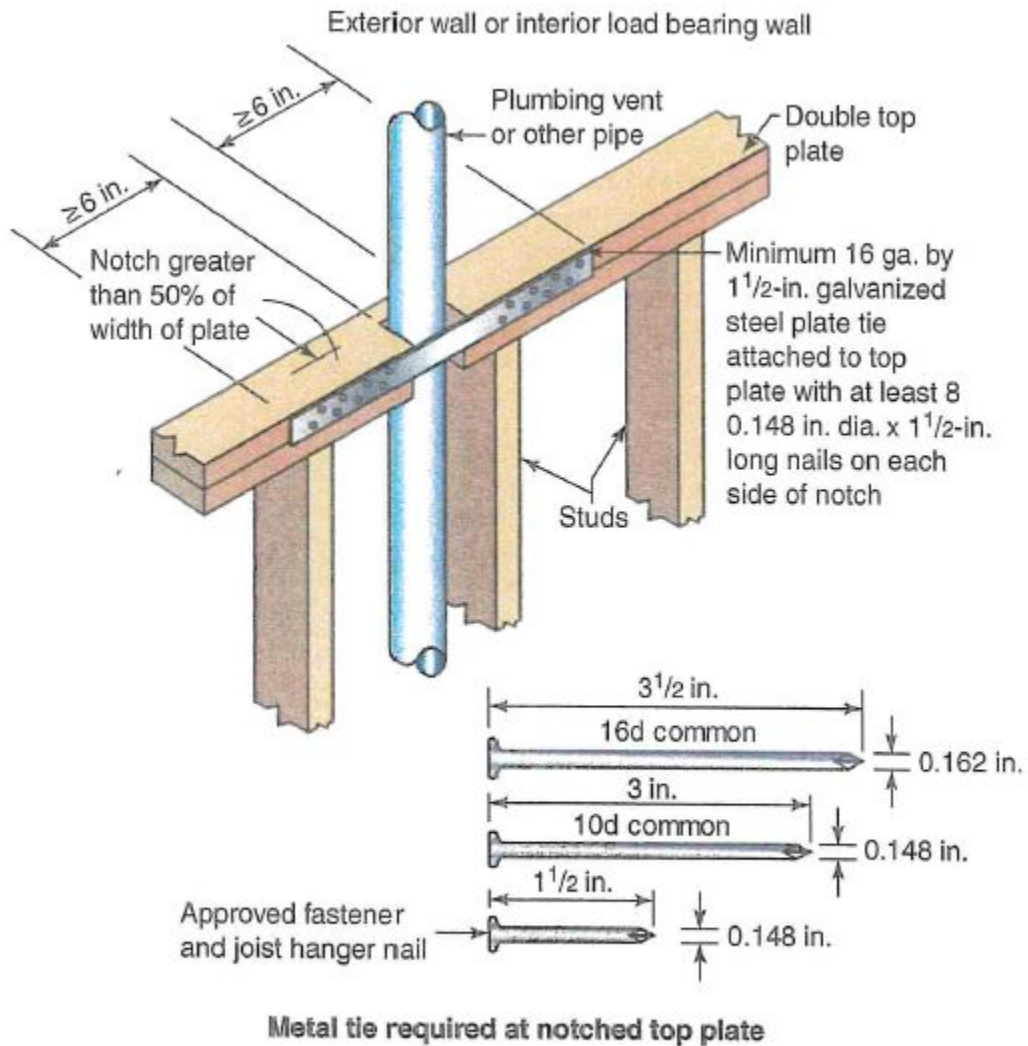


FIGURE 6-12 Drilling and notching of top plate in exterior wall or bearing interior wall



*****DO NOT FORGET TO CALL FOR FINAL INSPECTIONS.*****