

ROUGH-IN FRAME INSPECTION CHECKLIST

1. Inspect cutting, notching and bored holes in floor and ceiling joists [R502.8, Fig. R502.8, R802.7]

- A. Verify that there are no notches in the middle 1/3 of any joist span.
- B. Verify that notches on the ends of the joist do not exceed 1/4 the depth of the joist.
- C. Verify that notches between the ends and middle 1/3 of the span do not exceed 1/6 the depth of the joist.
- D. If the top notches in the **ceiling** joists 1/6 of the joist depth, then verify that they are located no further than the joist depth from the face of the support and that they do not exceed 1/3 of the joist depth.
- E. Verify that notches are not longer than 1/3 of the joist depth.
- F. Verify that the tension side of the member four inches or greater in nominal thickness is not notched, except at the ends of the member.
- G. Check that there are no bored holes within two inches of the top or bottom of the joist.
- H. Confirm that the diameters of bored holes do not exceed 1/3 of the depth of the joist.
- I. Check that there are no holes within two inches of another hole or notch.

2. Inspect cutting, notching and bored holes in wall system [R602.6, R602.6.1, Fig. R602.6(1), Fig. R602.6(2), Fig. R602.6.1]

- A. Inspect top plates in exterior and bearing walls to determine if any notches exceed 50% of their width.
- B. If notches in top plates exceed 50% of their width, then verify that the top plate is reinforced with a galvanized metal tie not less than 0.054 (16 gage) inch thick and 1.5 inches wide fastened across the cut plate with 8 16d nails.
- C. Inspect bearing or exterior wall studs to verify that notches do not exceed 25% of the stud width.

- _____ D. Inspect **interior nonbearing partitions** to verify that notches in studs do not exceed 40% of the stud width.
- _____ E. Inspect studs for bored holes and check that the diameter of the hole does not exceed 40%, unless it complies with Step F.
- _____ F. If the diameter of the hole in a **bearing or exterior wall** is greater than 40%, but does not exceed 60%, then the bored stud must be doubled.
- _____ G. Inspect wall studs in nonbearing partitions to verify that bored holes do not exceed 60% of the stud width.
- _____ H. If there are bored studs which are doubled, then determine that there are not more than two successive doubled bored studs.
- _____ I. Determine that bored holes are at least 5/8 inch from the edge of the stud.
- _____ J. Determine that bored holes are not in the same cross-section as notches.

3. Inspect rafter cutting, notching and bored holes [R802.7, R802.7.1]

- _____ A. Examine lumber four inches and wider to verify that there are NO notches on the tension side except at either end.
- _____ B. Examine rafters to verify that there are NO notches in the middle 1/3 of the span, and notches located in the top or bottom of the rafters do NOT exceed 1/6 the rafter depth. Verify that notches are not longer than 1/3 of rafter depth.
- _____ C. Examine end notches to determine that they do NOT exceed 1/4 the depth of the rafter.
- _____ D. Examine rafters to determine that there is NO bored hole within two inches of top or bottom of rafter or within two inches of another hole or notch.
- _____ E. Examine bored hole (more than two inches from the top or bottom of the rafter) to determine that the hole diameter does not exceed 1/3 the depth of the rafter.
- _____ F. If there are notches on cantilevered rafters, verify that the remaining portion of rafter is not less than four inch nominal and length of cantilever is not more than 24 inches.