



2016 CALIFORNIA BUILDING STANDARDS CODE OF REGULATIONS TITLE 24

FLOOR JOIST / UNDERFLOOR INSPECTION CHECKLIST

PERMIT: ADDRESS:

The following items are to be reviewed for completion by the contractor/owner prior to scheduling an inspection. Approval of this inspection shall be required prior to the floor sheathing installation. Each item is to be checked as "OK" or "N/A".

WARNING: Failure to complete this form may delay the inspection and necessitate a reinspection fee. Prior to this inspection, all required sequential inspections and correction notices must be completed.

This is not an all-inclusive list and additional items may be required as determined during the inspection.

THIS INSPECTION CANNOT BE PHASED: At time of this inspection all work shall be completed

PARTIAL AND PHASED INSPECTIONS: Partial and phased inspections identified during the inspection process will require additional inspection fees per Building Department Fee Schedule.

FLOOR JOIST / UNDERFLOOR (200 Combo)

OK N/A

- 1. Address to be posted and visible from road. CRC §R319.
2. Toilet facilities are on-site. CPC §422.5.
3. Animals are restrained. PCC §6.08.010.
4. Construction site is safe for inspection. Boards with nails and excessive debris removed. Ladders and scaffold properly secured.
5. Best Management Practices (BMP) are in place for storm water control.
6. Approved plans and permit card are on the job-site. CRC §R106.3.1 & R105.7 & R109.3.
7. Contractor understands and acknowledges Structural Observation and Special Inspection requirements Refer to plans. CBC §1704 & §1710.
8. Nails, anchor bolts and washers in contact with pressure-treated and fire-retardant-treated wood are galvanized. CRC §R317.3.
9. The top of the stem wall which supports wood framing members is at least 8" above finished grade. CRC 317.1 (2).
10. Joists and girders are installed per the approved plans. CRC Chapter 5.

11. Joists have at least 18” clearance to exposed ground and girders have at least 12” clearance. CRC §R317.1 (1).
12. Framing of openings require a header and trimmer joists. Where the header joist span is > than 4’, trimmer joists and the header joist shall be doubled. CRC §502.10
13. Untreated posts are at least 8” from exposed earth and covered by an impervious moisture barrier. CRC §R317.1.4 (2).
14. A positive connection (post cap or gusset) between the post and girder is provided. CRC §R502.9
15. Sill plates are of naturally durable or preservative-treated wood and the size specified on the approved plans. CRC §R317.1 (2).
16. Anchor bolts are installed per the approved plans. Retrofit anchor bolts are installed where needed. There shall be a minimum of 2 bolts per plate section with one bolt located not more than 12” or less than 7 bolt diameters from each end of the plate section. CRC §R403.1.6.
17. 3”x3” square washers are installed with anchor bolts. CRC §R602.11.1.
18. Crush blocks are installed at hold-down framing locations. Vertical loads are blocked through floor when required by Engineer. Follow manufacturer’s guide lines for I joist; blocking, web stiffeners, crush blocks, hangers, cutting, and notching, etc. CRC §R502
19. Shear walls are completed below floor framing and prior to the installation of the sub-flooring.
20. All metal hardware specified on the approved plans is installed.
21. Joists are nailed to beams and plates. CRC Table 602.3 (1).
22. Rim joists are toe-nailed to plates. CRC Table 602.3 (1).
23. Under floor ventilation is provided and insulation baffles are installed as needed. The minimum net area of ventilation shall be 1/150 sqft. One such opening shall be within 36” of each building corner. CRC §408.1.
24. Access is provided to all underfloor spaces. Openings shall be a minimum of 18”x24” when located in the floor and 16”x24” when located in a perimeter wall. CRC §R408.4.
25. Waste and water piping systems completed and on test. CPC §712/609.4. The building sewer test for plastic DWV piping shall not be tested by the air method and shall be watertight. CPC §723.1.
26. Plumbing cleanouts are required to extend to outside the building, above the floor or within 5’ of an underfloor access. CPC §707.9.
27. A backwater valve has been installed as required for fixtures located below the next upstream manhole to protect from back-flow of sewage. Fixtures on floor levels above such elevation shall not discharge through the backwater valve. Backwater valves shall remain accessible for inspection and repair, if below grade install in a masonry box with removable lid. CPC §710
28. Gas pipe installed and tested. 10 lbs. @ 15 min. CPC §1213.3. Support of piping shall be as shown in table CPC § 1210.2.4.1 Note: Test required again at drywall.

- 29. For below 5,000 ft. elevation grading, vents and drain are provided for LPG appliances underfloor. For 5,000 ft. elevation and above propane drains if required are to be designed by a licensed designer. Refer to County handout; **Propane Appliance**.
- 30. All piping systems are adequately supported. CPC §313.
- 31. Ducting is installed. It shall not prevent access to areas in the crawl space. Joints and seams of ducts must be made substantially airtight to comply with UL 181. CMC 602, 603, & CEC 150 (m). Proper clearances shall be maintained: 4” from earth for metal and flexible ducts. CMC §603.3 & 603.4.
- 32. HVAC cans are blocked on all sides. CRC §R502.10.
- 33. HVAC cans and ducts are insulated as required by Chapter 4 (2016 Residential Compliance Manual) and CMC §604.
- 34. Under-floor furnace, if applicable, require: 3” clearance when supported by the ground. 6” clearance when supported from above. CMC §904.3.1.1 & 904.3.1.2. A fire sprinkler head shall be installed above the appliance, when required, as per CRC §313.3.1.2. Permeant lighting and a GFCI protected convenience outlet shall be installed near the appliance. The switch shall be located at the entrance of the passageway. CMC §304.4.4. An appliance gas shut-off valve shall be located within 6’ of the unit it serves. CMC §1212.5. The sediment trap shall be located downstream of the shut-off valve, as close to the unit as practicable and before the flex connector, when installed. CMC §1212.8.
- 35. In areas at and above 5,000 ft. elevation the water supply piping is equipped with a readily accessible shut off valve. Valves and/or drain ports are protected from freezing and backflow potential. Hot and cold water supply piping is installed for winterization, freeze protection and routine drain down. P.C. Ord. 15.04.420.

UNDER FLOOR INSULATION IS A SEPARATE INSPECTION (212)

- 36. Insulation shall be installed prior to installing the floor sheathing. Refer to your Title 24 energy compliance documents for the required R-value(s), or to your 2016 Residential Compliance Manual for the minimum mandatory requirements. 2016 Res. Compliance Manual § 3.6.1. Exception: Where < 72” of headroom occurs, a certificate of installation shall be provided to the building inspector identifying that the minimum insulation requirements and R-value has been installed as per the CF1R by the installing contractor.

I have personally reviewed all items on this list for completion prior to scheduling the inspection.

Signed

Date

Print Name