



FLOOR JOIST / UNDERFLOOR INSPECTION
BASED ON THE 2013 CALIFORNIA RESIDENTIAL CODE

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”. The person reviewing these items will need to sign and date this form. Present the completed form to the Building Inspector prior to commencing the inspection.

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. | <input type="checkbox"/> | <input type="checkbox"/> Address to be posted and visible from road. CRC §R319. |
| 2. | <input type="checkbox"/> | <input type="checkbox"/> Toilet facilities are on-site. CPC §422.5. |
| 3. | <input type="checkbox"/> | <input type="checkbox"/> Animals are restrained. PCC §6.08.010. |
| 4. | <input type="checkbox"/> | <input type="checkbox"/> Construction site is safe for inspection. Boards with nails and excessive debris removed. Ladders and scaffold properly secured. |
| 5. | <input type="checkbox"/> | <input type="checkbox"/> Best Management Practices (BMP) are in place for stormwater control. |
| 6. | <input type="checkbox"/> | <input type="checkbox"/> Approved plans and permit card are on the job-site. CRC §R106.3.1 & R105.7 & R109.3. |
| 7. | <input type="checkbox"/> | <input type="checkbox"/> Contractor understands and acknowledges Structural Observation and Special Inspection requirements Refer to plans. CBC §1704 & §1710. |
| 8. | <input type="checkbox"/> | <input type="checkbox"/> Nails, anchor bolts and washers in contact with pressure-treated and fire-retardant-treated wood are galvanized. CRC §R317.3. |
| 9. | <input type="checkbox"/> | <input type="checkbox"/> The top of the stem wall which supports wood framing members is at least 8” above finished grade. CRC §R317.2. |
| 10. | <input type="checkbox"/> | <input type="checkbox"/> Joists and girders are installed per the approved plans. CRC Chapter 5. |
| 11. | <input type="checkbox"/> | <input type="checkbox"/> Joists have at least 18” clearance to exposed ground and girders have at least 12” clearance. CRC §R317.1. |

- 12. Joist hangers are used at head-outs. CRC §R502.10.
- 13. Untreated posts are at least 8” above exposed ground. CRC §R317.
- 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.
- 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. (Truss Mfg.)
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.
- 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. Underfloor ventilation is provided and insulation baffles are installed as needed. If the unvented crawl space options are to be utilized, the mechanical calculations and designs detailing the requirements shall be submitted to the Bldg. Div., approved and onsite for the inspection. CRC §R408.3.
- 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.
- 26. Plumbing cleanouts are extended to outside the building, above the floor or within 20’ 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. CPC §1213.34, 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).
- 32. HVAC cans are blocked on all sides. CRC §R502.10.
- 33. HVAC cans and ducts are insulated as required by the Title 24 heat loss calcs. CMC §604 .
- 34. Underfloor furnace, if applicable:
Location is identified and is accessible through an opening and passageway not less than the largest component of the appliance and not less than 22"x30" , no more than 20' away. CMC§ 904.10. A switched light and GFCI receptacle are provided. CMC §904.10.4.
- 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. Floor insulation R-value matches the CF-1R form shall be verified prior to floor sheathing. *Exception to this inspection will allow a HERS rater to verify the underfloor insulation that have an underfloor space of less than 6' headroom throughout and complete the CF-6R-ENVELOPE-HERS FORMS will be acceptable. These forms shall be returned to the County inspector upon final completion of the project.*

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

Signed _____

_____ Date

Print Name _____