

## REQUIRED INSPECTIONS FOR CONSTRUCTION

- I. FOOTING INSPECTION:
  - a. When trenches are dug with grade stakes in place;
  - b. Step downs are properly set and blocked before concrete is put in trench.
  
- II. FOUNDATIONS INSPECTIONS:
  - a. When all foundation walls and piers are up with solid cap to meet code;
  - b. Foundation wall vents installed;
  - c. Proper size access opening left out.
  
- III. FRAMING AND ELECTRICAL, PLUMBING, AND MECHANICAL ROUGH-IN INSPECTIONS (AT SAME TIME IF POSSIBLE).
  - a. FRAMING INSPECTION:
    - i. Framing inspection should be made when all framing is complete;
    - ii. Doors and windows installed in outside walls;
    - iii. Dwelling or building should be completely dried in.
  - b. ELECTRICAL ROUGH-IN INSPECTION:
    - i. Have power company engineer spot meter location on house;
    - ii. Install meter base at eye level;
    - iii. Install all electrical outlet boxes and pull wires;
    - iv. Staple all wires within 6" of outlet boxes and staple all wires securely to floor joists and ceiling joists;
    - v. Install bathroom and outside receptacles on ground fault circuit with nothing else on circuit;
    - vi. Install smoke detector outlet in hallway close to bedrooms; If bedrooms are not located in same area, install smoke detector in each area ( 120 v AC Type);
    - vii. If recessed lights are used, install on metal brackets provided with fixtures and do not let metal parts of fixtures be closer than 1/2" to wood or combustible material;
    - viii. Install cables in center of studs, if closer than center, install metal plates so nails will not be driven into cable;
    - ix. If conduit through roof is used for most, use 2" rigid conduit with roof flange and rubber gasket and do not install higher than 3 feet from where conduit passes through roof to top of conduit.
    - x. If copper water lines are used, install #4 bare copper wire from neutral bar in main panel to water lines to ground water lines to ground rod.

## **Construction Inspections**

### **c. PLUMBING ROUGH-IN INSPECTION**

- i. plumbing rough-in when all fixture drains and fixture venting is complete;
- ii. Water supply lines are installed to each fixture (Hot and Cold)
- iii. All branch drains connected to main 4" drain;
- iv. 4" drain installed with proper fall (one-eighth per foot) and stubbed through outside wall;
- v. Rough-in for water heater;
- vi. Outside hose bib roughed-in with self-draining, anti-siphon type used; G. Cut-off in main water line just outside building or just under building (accessible);
- vii. All sewer lines and branch drains in concealed area to be filled with water to highest fixture level for inspector to see.

### **d. MECHANICAL ROUGH-IN INSPECTION**

- i. All heating and cooling outlets should be roughed-in;
- ii. Branch ducts hooked to main duct;
- iii. All returns roughed-in;
- iv. All duct work insulated;
- v. Thermostat wires pulled to where thermostat is to be located;
- vi. All vent fan exhaust ducts roughed-in.

## **IV. ENERGY INSPECTION (after rough-ins):**

- a. When energy is installed in walls with vapor barrier
- b. Areas where insulation will be concealed in attic or floors should be installed for inspection at same time;
- c. Air baffles for maintaining "01" air space over insulation in attic should be installed for inspection on rough-in.

## **V. FINAL INSPECTION:**

- a. All exhaust fans vented to outside with approved hood;
- b. All equipment set in place and hooked up
- c. All work on fireplace and chimneys complete;
- d. All doors and windows in exterior wall weather stripped or storm windows and doors installed;
- e. All insulation in place;
- f. All work should be completed on plumbing, electrical, mechanical, insulation, and building.

VI. SLAB INSPECTION (WHEN REQUIRED)

- a. When building is to be on a concrete slab, an inspection is required before slab is poured. All plumbing, mechanical, electrical, and insulation to be covered by slab should be roughed-in when calling for inspection.

VII. CHIMNEY INSPECTIONS

- a. Chimney is to be inspected when ready to set first flue line in place.