

# Blount County Department of Building Safety

## INSPECTION CHECK LIST

### FOOTING INSPECTION

1. Check job site for posted building permit and address number.
2. Check property pins for setbacks and variances.
3. Probe footings for stable and solid soil.
4. Check width and depth of footings.
5. Check Silt Fence for placement (if required by storm water).

### UNDER SLAB PLUMBING INSPECTION

1. Check all under slab sewer lines for proper drainage and embedment.
2. Test plumbing for leaks using requirements for rough-in plumbing test below.
3. Under slab inspection **MUST** be approved before covering any plumbing.

### SLAB INSPECTION

1. Verify there is 4 inches of clean gravel base.
2. Install 6 mil vapor barrier.
3. Install min 3 inch radon vent piping (see handout on website).

### VERTICAL STEEL INSPECTION (Basements)

1. Basement walls must have uprights in footing with vertical steel poured in those cells based on the amount of unbalanced backfill placed against them (see handout on website).
2. This inspection **MUST** be approved prior to pouring walls (poured concrete wall or block).

### ROUGH-IN PLUMBING

1. Provide air test on all new sewer lines (5 psi for 15 minutes).
2. Provide air test water lines (50 psi for 15 minutes).
3. Check venting of sewer lines.
4. Check sizing of water, sewer lines and clean outs.
5. Check spacing of all pipe hangers.

### ROUGH-IN FRAMING

1. Anchor bolts.
2. Craw space hole minimum 18 in by 24 in (note: or big enough to remove largest equipment placed under floor).
3. Foundation vents (1 per/150 sq ft of crawlspace area /1 within 3 ft of each corner).
4. Check sizing of floor joists, ceiling joists, headers and girder beams.
5. Check lumber for grade stamps.
6. Verify stairs and platforms are constructed to code.
7. Verify fireplace (gas or masonry) and chimney installed correctly.
8. Provide roof and floor truss drawings to verify bracing installed correctly.
9. Check all bearing points to foundation.
10. Verify egress windows are sized and installed correctly.
11. Verify windows and doors meet U-factor ratings for energy compliance (.40 min).
12. Verify rough-in smoke detectors.
13. Check for cut and/or damaged trusses, joist, and etc.
14. Caulk all top and bottom plate hole penetrations (draft stop).
15. Attic scuttle opening installed.
16. Verify safety glass installed above tubs and within 2 ft of doors.
17. Verify that radon vent is stubbed through into the attic area and capped off.

### **ROUGH-IN HVAC**

1. Check duct work supports and hangers.
2. Condensation lines must be ran to outside.
3. Install bollard's to protect A.C. units or water heater, if needed.
4. Check exhaust on bath vents, range, dryer, water heater and furnace.
5. Check gas piping.

### **INSULATION INSPECTION**

1. After the rough-in inspection has been **APPROVED**, an insulation inspection will be preformed to verify R-values on wall insulation prior to hanging sheetrock.
2. Verify all hole penetrations have been sealed for energy compliance.
3. Install insulation markers required in attic space for energy compliance.

### **FINAL BUILDING INSPECTION**

1. Building address.
2. Verify yard and drainage have been installed properly.
3. Verify water is turned on.
4. Verify final electrical inspection is complete.
5. Check insulation –ceiling (R-38) and floor system (R-19).
6. Vapor barrier installed in crawlspace area.
7. Verify porches and decks are complete.
8. Check hand rails and spacing of spindles.
9. Require a fireplace installer's letter and gas test letter.
10. Check fire code requirements are addressed in basements.
11. Check smoke detectors are operating properly.
12. Check required light in attic and crawl space are installed.
13. Check water heater pop-off valve installed correctly.
14. Use fire retardant paint on pull down steps located in garage area.
15. Install Energy Code Certificate inside electrical panel with all relative R-values, U-factors and efficiency ratings of equipment as required by the 2006 International Energy Conservation Code (**certificate to be provide by building code inspector on final inspection**).

***ALL ITEMS MUST BE COMPLETE PRIOR TO CALLING FOR INSPECTION! ANY ITEMS NOT COMPLETE RESULTING IN A REJECTED INSPECTION ARE SUBJECT TO A \$30 RE-INSPECT FEE!***

**\*This inspection list does not constitute all items required by code. It is only an overview of certain requirements that our department looks at during each listed inspection. The inspector reserves the right to enforce all applicable codes adopted by Blount County.\***