

!!PLEASE READ!!

Read the following before calling for each inspection. You must call at least 24 hours in advance. (865)457-6244

RE-INSPECTION FEE IS \$30.00

Please post a sign where it is visible from public roads so the building inspector can locate your building site or the inspection will be rejected.

We assume that if you are building, you possess at least basic knowledge of minimum construction requirements, methods, standards, and common construction practices. The following is to be used as a minimum guide to the codes. It is not intended to specify every code requirement or regulation. If you have any questions, please call our office to speak with a building inspector. We are enforcing the 2018 International Residential and Building codes (several books). We do not loan or sell them. You may reference them in our office at any time during regular business hours.

#1 INSPECTION: FOOTERS (LOT LINES NEED TO BE MARKED AT THE TIME OF THIS INSPECTION)

Footers must be ready to pour, free of standing water, mud, roots, rocks or any organic material. Footing shall be a minimum of 12" below grade to the bottom of footing or until solid undisturbed soil. Grade pins, bulkheads, and rebar need to be in place at the time of inspection. If gravel is used as a filler for deep footings it must be clean #57 (3/4") stone and must be compacted in 12" runs. Footing must be inspected prior to adding gravel.

#2 INSPECTION: FOUNDATION (if crawl)

Foundation block will be inspected for code compliance. All waterproofing, brick ties (if applicable) need to be in place. Crawl space vent openings, anchor bolts or straps grouted in, all piers in place with minimum 4 inch solid cap block or pier poured solid.

#3 INSPECTION: SLAB PLUMBING

All under slab plumbing in place, plumbing lines supported, properly sized, and tested with 10 foot of water or air tested.

#4 INSPECTION: SLAB PREP

All slab on grade, grade pins, vapor barrier, and 6x6 WWM (fiber concrete can be used in lieu of wire mesh).

#5 INSPECTION: ROUGH-IN (FRAMING, PLUMBING, MECHANICAL & ELECTRIC WIRED

Framing must be complete and inspected before it is insulated.. Sill plates shall be pressure treated and bolted with a 1/2" x 7" anchor bolt every 6' and within 12" of all corners and splices. Any headers over 6 feet must have double jack studs under each end. Minimum headroom on stairs is 6'8"; risers 7-3/4" maximum; treads are 10" minimum from nosing to nosing. Three risers or more will require a handrail. Any area 30" or more from top of porch or deck will require a guardrail. Guardrails shall be minimum 36" in height and withstand a 200lb impact from any direction. Windows shall have a minimum 5.7sf net clear opening as a means of egress, except ground floor windows shall have 5.4sf net clear opening. Minimum width of any window is 20", height no less than 24". Windows in bedrooms shall meet these requirements and cannot be installed more than 44" from finished floor. Tempered windows will be verified on rough in inspection. Truss (roof or floor) installation instructions must be on site at time of rough in inspection. *Note: any unit (fuel-fired or electric) in a basement or crawl space where framed with anything other than 2x10 or greater will require that entire area to be sheetrocked, taped, and mudded or a residential sprinkler head over all units must be installed.*

Attached garage shall be separated from living area by a firewall and a series wired battery backup smoke detector must be in garage area.

Plumbing must be on test with a gauge at 75psi (water or air) on all water lines or connect the plumbing system to the water supply. Waste vent lines must be full of water or a gauge at 5 psi air.

Gas lines (if any) shall be on test with a gauge at 3-5 psi of air on all pipes to shutoff valves.

Smoke detectors must be installed in each sleeping room, attached garage, and on each additional story, a combination smoke/carbon detector must be installed within the vicinity of all bedrooms (building standard is within 20 foot).

All smoke and carbon detectors must be series wired, interconnected, AC powered with battery backup. This will be checked on rough-in to make sure detectors are properly located.

#6 INSPECTION: ENERGY (insulation)

Exterior walls must be insulated to R13, attic platforms must be insulated to R38, and baffles must be in place for blown insulation, between floors R19, ductwork in crawl and between floors R6.0, ductwork in attic R8.0, windows U.35 or less. (*Blown insulation and floor system insulation in crawl will be checked on final*)

#7 INSPECTION: FINAL

The building/dwelling must be completed before calling for this inspection. All handrails, guardrails, stairs, porches, decks, water heaters, 6 mil vapor barrier in crawl (if applicable), smoke detectors, plumbing complete, mechanical complete, final electrical approval from State of TN inspector (blue stickered), yard must be stabilized, final grade must slope away from house and must fall 6" within the 1st 10 foot.

When the construction has passed all inspections and all re-inspection fees are paid, we will issue a Certificate of Occupancy.