

# **Town of Smithfield – Building & Zoning Department**

## **Current Code 2021 - State Amended 2018 I-Codes**

### **INSPECTION STEPS**

#### **ALL BUILDING PLANS AND SPEC SHEETS ARE REQUIRED TO BE ON JOB SITE OR UPLOADED TO THE PERMITS ONLINE PORTAL PRIOR TO INSPECTION**

Requesting Inspections, §23-27.3-111.2 of the State Building Code requires the contractor or builder to give the building official twenty-four (24) hours' notice prior to the requested inspection date. Inspection requests must be made through the online permit portal or by calling the office directly. Inspections should not be made directly with the Inspector. The building official will confirm a date and estimated time of inspection within forty-eight (48) hours after the notification; holidays and State or Federal health restrictions notwithstanding.

The following is the typical order in which inspections are to be completed. A completed inspection does not automatically mean it is Approved. Approvals are documented in the online permit portal or a paper inspection results card posted on worksite. Not all inspections will apply to all projects. Assume all is applicable to both residential and commercial steps unless noted otherwise. Please communicate with your assigned inspector with questions.

### **BUILDING:**

**LAND SURVEY:** Staked street front corners of the property (not offsets) and flag sidelines (Class 1, 2, or 3 Construction Survey, Limited Content Survey, or Data Accumulation Survey). Class 4 survey is permitted **ONLY** for impermanent structures such as above ground pools and tied down sheds.

**1) HOLE / EXCAVATION INSPECTION:** Foundation excavation with no forms set and no stone in the hole.

**2) FOOTING & FORM INSPECTION:** After forms set, reinforcement steel on supports, and prior to pouring concrete (if rebar utilized as part of grounding system, it must also be approved by Town Inspector of Wires prior to pour).

**3) FOUNDATION INSPECTION:** Prior to backfill around foundation after damp/waterproofing, exterior drain tile, and vertical insulation in place and protected as may be applicable.

**4) CONCRETE SLAB and UNDERFLOOR INSPECTION:** Including thickened slab (haunches) with Radon mitigation, "French Drain", grid reinforcement, horizontal rigid insulation, vapor retarder minimum 6 mil-thick and lapped at least 6"; per SBC-2 §R-506.2.3 or SBC-1 §1907.1.

**5) FLOODPLAIN/LOWEST ELEVATION:** Elevation certificate or other Approved documentation sealed by a Registered Design Professional; applies only in flood hazard areas.

**6) WINDOW/DOOR INSPECTION:** Window/Door (*fenestration*) installation, including skylights, must be inspected after air seals (*tape*) are in place and before siding/roofing covers the same.

**7) NAIL/BRACING INSPECTION:** For exterior sheathing prior to air barrier/siding being installed including roof and wall. Interior floor sheathing may be required if part of fire rated floor design.

*Commercial:* Do not countersink fasteners; must be flush with sheathing, SBC-1 §2304.10.2. *Residential:* Where braced walls are located as chosen by builder or architect per SBC-2 §Table R602.10.4.

**8) ROUGH INSPECTIONS:** Exposed framing and masonry to be inspected **AFTER** all rough plumbing, mechanical, electrical, and (*by Fire Prevention Office*) smoke/fire alarm wire/conduit runs are Approved.

**9) FIRE & SMOKE RESISTANCE INSPECTION:** Firestop, draftstop, compartmentalization, smoke barrier, and fire rated partitions must be inspected before thermal insulation is installed. The inspection of firestop systems (*so-called red-stuff*) may be inspected 3<sup>rd</sup> party with explicit Approval by the Building Official.

**10) INSULATION INSPECTION:** After insulation is installed and prior to sheetrock or other finishes are installed. Mechanical duct seals and plumbing insulation must be inspected with documentation submitted if applicable. These can also be inspected at Rough or Fire & Smoke Resistance inspections. Ducts run outside of “pink” thermal insulation must be insulated per SBC-8 State Energy Code §R403 or §C403.

**11) SHEETROCK INSPECTION:** Prior to joint compound, taping/mudding, or plaster (screw inspection) of the gypsum board; required if part of a smoke or fire separation wall or floor/ceiling assembly.

**12) FINAL INSPECTION:** All building, electrical, plumbing, and mechanical and fire/smoke alarm (by Fire Prevention Dept.) must be Approved before the final building inspection is made. Note that plumbing and mechanical inspections must be dispatched at the same time. *Residential:* If new construction and blower door tests are done, the report must be submitted for Final Approval. *Commercial:* All remaining 128 Construction Affidavit Forms are due including in-process and final affidavits.

A Certificate of Occupancy (\*C/O) or Letter of Completion is issued after all final inspections are Approved by the Building Department, the Fire Prevention Office, energy efficiency documents/certificates received or posted as may be applicable, and you have received Engineering Department Soil and Erosion Approvals.

\*C/O's will not be issued until impact fee is paid in full and well water is tested, applicable to residential only.

Contractors or other persons must be on site for all inspections as requested by the assigned inspector.