

## Inspections required during construction:

### **Building: Footing/Foundation/Slab Inspection(s):**

Prior to placing concrete, excavation must be complete; all reinforcing in place, forms erected; materials for concrete frost protection must be on site when freezing temperature conditions exist. A copy of the open hole excavation report from the geotechnical engineer must be available for the inspector. In addition the concrete encased grounding electrode required by the NEC is to be installed at the time of footing inspection. (Non-structural slab on grade with no thickened footings does not require inspection.)

### **Electrical: Temporary/Service:**

Construction power, service complete, minimum (1) 20A circuit with GFI water-proof receptacle. Grounding complete and protected from damage. Contact State of Colorado Electrical Inspector at 719-275-2816.

### **Plumbing: Underground Gas (where applicable):**

Propane line from tank to structure with test on line and tracer line in trench. (Natural gas lines run by utility company do not require an underground inspection.) Contact State of Colorado Plumbing Inspector at 719-269-1255.

### **Electrical: Underground:**

Prior to backfilling utility trench, conduit size, material and depth of burial will be verified. Contact State of Colorado Electrical Inspector at 719-275-2816.

### **Plumbing: Underground:**

Prior to covering waste/water lines, all piping must be under water/air test. Contact State of Colorado Plumbing Inspector at 719-269-1255.

### **Cover: Party Wall/Fire Wall Inspection:**

Required for all duplexes. Prior to covering fire resistive walls at exterior or standing walls at party wall locations; all joints in drywall must be taped.

### **Mechanical: Heat:**

Radiant heat piping in place and under test, prior to covering, ductwork in place for forced air systems.

### **Mechanical: Ventilation:**

All rough mechanical complete, B vents, fireplace chimney flues, bathroom exhaust, dryer vents, kitchen exhaust, combustion air ducts.

### **Plumbing: Rough:**

All rough plumbing complete, water, waste, gas piping, and all piping must be under water/air tests. Contact State of Colorado Plumbing Inspector at 719-269-1255.

### **Electrical: Rough:**

All rough wiring complete, smoke detector wiring installed (110V only). Contact State of Colorado Electrical Inspector at 719-275-2816.

### **Fire Alarm: Rough:**

Low voltage systems require separate permit and inspections. Line voltage systems are covered under electrical permit.

**Fire Sprinkler: Rough (where applicable):**

All rough piping installed and under test.

**Cover: Veneer/Lath:**

Prior to placing stucco or stone. Building paper, flashing, foam and, or wire lath in place.

**Building Framing:**

After all rough inspections are complete and approved, building completely dried in, all floor, wall and roof framing completed. Fire blocking, attic/underfloor ventilation/access.

**Cover: Insulation:**

All insulation must be in place. Underfloor must be accessible to inspector, clearance from flue pipes, etc. must be maintained. Vapor barriers must be in place where required.

**Cover: Drywall:**

Prior to taping drywall, all drywall fasteners must be in place, clearance from flue pipes, etc. must be maintained. (A final gas tag inspection should also be called at this time. See under plumbing inspections.)

**Plumbing: Gas:**

After all drywall is installed, a final air test is required on all gas piping within the building. The final test will be required even if a temporary tag was issued previously. For the final tag to be issued, permanent mechanical fuel burning equipment installation must be completed.

**Plumbing: Showerpan:**

Prior to covering shower liner/waterproofing, drain plugged, water test filled to threshold. Contact State of Colorado Plumbing Inspector at 719-269-1255.

**Plumbing: Final:**

All fixtures installed all plumbing systems fully operational. Contact State of Colorado Plumbing Inspector at 719-269-1255.

**Mechanical: Final:**

All appliances installed, all heating/ventilation/air conditioning systems fully operational. Fireplaces operational.

**Electrical: Final:**

All fixtures, receptacles, appliances installed. Service and sub-panels complete, circuits identified. Contact State of Colorado Electrical Inspector at 719-275-2816.

**Fire Alarm: Final:**

Low voltage systems require separate permit and inspections. Fire alarm system must be complete and operational.

**Fire Sprinkler: Final (where applicable):**

Sprinkler system complete and fully operational.

**Building: Final (CO):**

Building must be complete and ready for occupancy. Final Electrical, Plumbing and Mechanical are required to be approved. Address posted, final grading complete. See special requirements for Temporary Certificate of Occupancy (TCO).