Broomfield: REQUIRED INSPECTIONS: The permit holder shall obtain the inspections “listed on their General Permit Inspection Record” card. Please call the Building Division (303-438-6370) if you need any assistance.

1. Underground or Underfloor Plumbing: This inspection is required when it is necessary or desirable to pour concrete over or otherwise cover part of the plumbing installation before the entire rough-in is completed. This inspection can be combined with the rough plumbing inspection if all parts of the system are still open and visible to the inspector at that time.

2. Shower Base A pressure test using either air or water, as outlined in Section P2503 of the IRC, is required: for a shower base - plug the drain and then fill the base and pencil mark the water level; for a tub - fill the tub with water so the inspector can visually check the shoe and trap for leaks. For structural wood floors, fixtures shall be installed and air or water tested; access shall be provided through the floor close by where the inspector can check for leaks.

3. Rough Electrical, Framing, Plumbing, and Mechanical (Combination Inspection): These are done as a combination rough inspection and shall be called in as one inspection when all rough-in work is complete and ready for inspection. All special inspection reports (such as those required for new or enlarged foundation wall openings) shall be submitted prior to calling for rough inspections.

   The electrical rough-in must be complete: all circuits made up; boxes and plaster rings installed; electrical panel set; neutral and ground wires made up; and all grounding complete. The basement shall be ready for drywall with the exception of insulation. Do not install any devices (plugs or switches) for rough inspection. All ground wires in boxes must be tied together with pigtail with approved wire nut. Approved crimp sleeves may be used if the proper size and proper tool is used.

   All air or water pressure tests required by Sections G2417.4 and P2503 of the IRC shall be ready at rough plumbing inspection for water supply, waste and vent, and gas piping. Water supply piping shall be tested by air pressure not less than 50 psi, or by water under pressure not less than the working pressure of the system. Waste and vent piping shall be tested by air pressure of not less than 5 psi or by water filled to not less than 10 feet above the highest fitting being tested. Gas pipe shall be tested by air pressure of not less than 10 psi

   All ductwork shall be in place and adequately supported. All joints and seams shall be made substantially airtight by means of listed tapes, gaskets, mastics or other approved means. Generic “duct tape” is not listed for this purpose. IRC Section M1601.3.

   All framing shall be in place, including required fireblocking at all interconnections between concealed vertical and horizontal spaces, horizontally at intervals not exceeding 10 feet, and at openings around vents, pipes, wiring, and ducts at ceiling level. Wires or pipes through holes drilled closer than 1 1/2 inches from the face of framing members shall be protected by 16 gauge steel shield plates.

4. Insulation: This inspection shall be called to check for the required insulation installation; the R-value and the flame spread and smoke developed rating for any facings not in substantial contact with the back-side of drywall.

5. Tile Backer and Drywall: The cementious tile backer board in the tub/shower area and the drywall in the concealed usable space under the stairs will be checked.

6. Above Ceiling: This inspection is required where suspended grid type ceilings are to be installed and shall be requested after all work above the grid ceiling is completed, the grid is installed, all light fixtures are set, all grills, registers, and connecting ductwork are completed, but before any tile has been installed.

7. Final Building, Electrical, Plumbing, and Mechanical: Final inspections shall be requested when all work is completed and the space is ready for occupancy. Final building, electrical, plumbing, and mechanical inspections shall be requested and performed as a single combination inspection. No furniture or other use of the space is permitted until all inspections have been approved.