



Required Inspections for Single Family Homes

Town of Carbondale Inspections: (970) 510-1210
(Town Inspections are to be called in by 5pm the previous business day)
State Electrical Inspections: (303) 869-3458
Efficient Build Code will be inspected
during the Building Inspection Process

Utility Inspection - Water and Sewer connection, **Please have the Utility Inspector sign the Building Card**
This inspection is to be performed by Water/Wastewater Utilities Department, 963-3140

Work in the Public Way

Road cut permit for the driveway is required, to connect utilities, and any landscaping near a sidewalk could be an issue. Contact Public Works at 963-1307 for inspections or information

Footing Inspection

Prior to placement of concrete, rebar and forms are to be inspected. Deep foundations require special inspections.

Foundation Inspection

Prior to placement of concrete, rebar and forms are to be inspected.

Damp-proofing/foundation drain Inspection

Prior to placement of backfill; damp proofing, drainage material, gravel, filter fabric, drainage pipe, and termination location to be in place.

Underground Plumbing Inspection

While plumbing is exposed, prior to placement of concrete or fill. Pressure test waste to 5 psi. Pressure test water to 100 psi.

In-floor Heat/Snow Melt Inspection

Prior to placement of concrete, heat piping to be pressure tested to 100 psi or mfg. recommendation.

Radon Inspection

Prior to placement of concrete, 6 mil visqueen over 4" of aggregate with a 3" pipe and "T" in the aggregate to be in place. Radon mitigation required for slabs on grade, crawlspaces and garage slabs if there is living space above the garage. Please reference IRC Appendix F for specifics. The pipe is to be routed through the roof during the rough-in inspections.

Exterior Insulation Inspection

Prior to covering the continuous insulation on the exterior.

State Electrical Rough Inspection

When the electrical wiring and boxes are in place, prior to the installation of insulation and drywall, this inspection is performed by the state electrical inspector. Rough in for future solar is required. **Please have the electrical inspector sign the building card.**

(OVER)

Plumbing Rough Inspection

Pressure test DWV to 5psi or a 10' head of water
Pressure test water pipe to 100psi or working water pressure of the system
Pressure test gas to 10 psi, soap test permissible for minor additions

Mechanical Rough Inspection

Ducting of bath fans, flue pipes, combustion air, supply ducting, return ducting to be complete. A neutralizer is required on flue condensates.
5PSI test on PVC flue pipes.

Energy Rough Inspection

The HERS Rater/Inspector shall perform a rough-in inspection. To help the contractors obtain compliance with the reports submitted and guide the air-sealing the assemblies.

Framing Inspection/Shear Wall

When all wood is in place and the electrical rough inspections is approved. The plumbing and mechanical roughs can be done with the framing. Call for shear walls prior to covering.

Insulation Inspection

Insulation and Vapor barrier to be in place for this inspection, HERS Rater to perform an insulation inspection also.

Drywall Inspection

Joints to be staggered, screws to be 12" oc and do not break the paper!
Ceiling of garages with living space above to be 6" OC.

Shower Pan Inspection

Pre-slope to be installed, liner in place, test ball in the waste line and fill the liner with water. The test is for 24 hours and No visible leaks

Gas Tag Inspection

All permanent gas piping to be in place, all the wall finishes are in place, the gas line is to be put under test pressure. The heating equipment is ready to fire; flue, combustion air, electrical disconnect in place.

If a gas tag is needed for temporary heat: The heating equipment and listed hoses to be on site for the inspection. If using the permanent piping to feed temporary equipment then a pressure test is required on the permanent gas piping.

State Final Electrical Inspection

When all boxes and lighting fixtures are complete, covers in place, this inspection is performed by the state electrical inspector. Please have the electrical inspector sign the building card.

Plumbing/Mechanical/Building Final

After final electrical is approved, the final inspections can be performed. Exterior lighting will be inspected at this time. When this inspection is approved and all paperwork is received: the ILC (survey), HERS report, backflow preventer testing. The MXU is to be installed for the water meter before the Certificate of Occupancy can be issued.