



Gas Piping Installations

PURPOSE: To define gas piping test and inspection procedures

BACKGROUND:

The 2022 California Plumbing Code states the following:

Rough and final inspections are required of gas piping systems (section 1203.3).

The test gauge range shall not exceed five times the test pressure (section 1213.3).

The test pressure to be used shall not be less than one and one half times the maximum working pressure (section 1213.3).

The test duration shall be not less than one half hour for each five hundred cubic feet of pipe volume. When the test system contains less than ten cubic feet or for single family dwellings, the test duration shall be not less than ten minutes (section 1213.3).

PROCEDURE:

Inspectors will perform normally two or three inspections on a gas piping installation where the piping is pressurized, at subfloor and rough inspections and after sheet rock. For gas piping systems less than ten cubic feet and single family dwellings, the test will be a minimum of ten pounds per square inch for ten minutes. For larger gas piping systems, the test duration shall be 30 minutes for every 500 cubic feet of piping.

The permit and an approved gas piping schematic shall be on site for all inspections.

Inspectors must verify that a code compliant gas meter shed is installed. Meter sheds shall be engineered for 1.4 times the ground snow load.

Upon completion of the pressure test and installation of a code compliant meter shed, the gas line can be tagged for a meter set. It is preferable that all gas appliances and equipment are installed and complete. However, understanding that this is not always possible, outlets where appliances are not yet installed shall be capped or plugged with screw joint fittings. The gas company will not set a meter unless at least one gas appliance is installed.