



Timothy Wood, Director
Building/Ordinance Enforcement

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CHANGES TO GAS PRESSURE TESTS & GAS PIPING INSPECTIONS – EFFECTIVE 5/5/2022

- Gas Pressure Tests
 - Gas Pressure Test Affidavits will **no longer be accepted.**
 - Gas Pressure Tests **must be witnessed** by the mechanical inspector after piping is complete. This test will include all piping up-stream of the equipment shut-off to the gas meter.
 - **NOTE:** If you already have a current gas piping permit and have submitted a gas pressure test affidavit, the affidavit is no longer accepted. You must have a gas pressure test witnessed by our inspector as noted above.
- Gas Piping Inspections
 - *Contractor is responsible to have Gas Piping sized for the appliance load and distance from the gas meter
 - Underground Gas Piping
 - Requires an underground inspection.
 - *All portions of underground gas piping shall be tested at underground inspection
 - Concealed Gas Piping
 - Requires a rough inspection.
 - *All portions of concealed gas piping shall be tested at rough inspection
 - CSST Tubing
 - Prior to or at the time of inspection for CSST Tubing, a copy of the manufacturer's certification shall be submitted for the individual installer(s) that did the installation.
 - Final Gas Piping
 - Requires a final gas piping inspection after the following has been completed:
 - Gas piping has been purged
 - All appliances are operational
 - Inlet pressure to appliance regulator(s) have been verified and adjusted if required
 - Manifold pressure has been checked and adjusted to manufacturer's recommended manifold pressure
 - Contractor shall paint/seal any exterior black iron gas piping
 - Contractor shall seal all exterior penetrations
- Inspection Fees
 - Please note our basic gas piping permit includes one inspection. All additional inspections will require an additional inspection fee of \$75.00. The contractor shall pay additional fees when applying for the permit. No additional inspections shall be performed that are not paid for.



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NOTABLE CODE REFERENCES

IFGC 107.3 Installations shall be tested as required in this code and in accordance with Sections 107.3.1 through 107.3.3. Tests shall be made by the permit holder and observed by the code official.

IFGC 402.1 Piping systems shall be of such size and so installed as to provide a supply of gas sufficient to meet the maximum demand and supply gas to each *appliance* inlet at not less than the minimum supply pressure required by the *appliance*.

IFGC 402.2 The volumetric flow rate of gas to be provided shall be the sum of the maximum input of the *appliances* served.

IFGC 404.11 Metallic pipe or tubing exposed to corrosive action, such as soil condition or moisture, shall be protected in an *approved* manner.

IFGC 404.2 CSST piping systems shall be installed in accordance with the terms of their approval, the conditions of listing, the manufacturer's instructions and this code.

IFGC 404.6 The space between the pipe & wall shall be sealed.

IFGC 404.20 Testing of piping. Before any system of piping is put in service or concealed, it shall be tested to ensure that it is gas tight. Testing, inspection and purging of piping systems shall comply with Section 406.

IFGC 406.1.3 Where new branches are installed to new *appliances*, only the newly installed branches shall be required to be pressure tested.

IFGC 406.2 The test medium shall be air, nitrogen, carbon dioxide or an inert gas. Oxygen shall not be used.

IFGC 406.3.3 Where the *piping* system is connected to *appliances* or *equipment* designed for operating pressures of less than the test pressure, such *appliances* or *equipment* shall be isolated from the *piping* system by disconnecting them and capping the outlet(s).

IFGC 406.3.4 Where the *piping* system is connected to *appliances* or *equipment* designed for operating pressures equal to or greater than the test pressure, such *appliances* or *equipment* shall be isolated from the *piping* system by closing the individual *appliance* or *equipment* shutoff valve(s).

IFGC 406.3.5 Testing of *piping* systems shall be performed in a manner that protects the safety of employees and the public during the test.

IFGC 406.4.2 Test duration shall be not less than 1/2 hour for each 500 cubic feet (14 m³) of pipe volume or fraction thereof. When testing a system having a volume less than 10 cubic feet (0.28 m³) or a system in a single family dwelling, the test duration shall be not less than 10 minutes. The duration of the test shall not be required to exceed 24 hours.

IFGC 406.6.4 Appliances and equipment shall not be placed in operation until after the piping system has been checked for leakage in accordance with Section 406.6.3, the piping system has been purged in accordance with Section 406.7 and the connections to the appliances have been checked for leakage.

IFGC 406.5 The *piping* system shall withstand the test pressure specified without showing any evidence of leakage or other defects. Any reduction of test pressures as indicated by pressure gauges shall be deemed to indicate the presence of a leak.