

IRC 2006 Code Regulations;

G2415.7 (404.7) Aboveground outside piping. All piping installed aboveground outside of the building shall be elevated not less than 3½" above ground and where installed across roof surfaces, shall be elevated not less than 3½" above the roof surface. Piping installed above ground, outdoors, and installed across the surface of roofs shall be securely supported and located where it will be protected from physical damage. Where passing through an outside wall, the piping shall also be protected against corrosion by coating or wrapping with an inert material. Where piping is encased in a protective sleeve, the annular space between the piping and the sleeve shall be sealed.

G2412.5 (401.5) Identification. For other than steel pipe, exposed piping shall be identified by a yellow label marked "Gas" in black letters. The marking shall be spaced at intervals not exceeding 5 feet (1524mm). The marking shall not be required on pipe in the same room as the equipment served.

G2410.1 (309.1) Grounding. Gas piping shall not be used as a grounding electrode.

G2410.2 (309.2) Connections. Electrical connections between gas utilization equipment and the building wiring, including the grounding of equipment, shall conform to Chapters 33 through 42.

G2411.1 (310.1) Gas pipe bonding. Each above-ground portion of a gas piping system that is likely to become energized shall be electrically continuous and bonded to an effective ground-fault current path. Gas piping shall be considered to be bonded where it is connected to appliances that are connected to the equipment grounding conductor of the circuit supplying that appliance. CSST gas piping shall be bonded per the manufacturer's installation instructions.

G2420.4 (409.4) MP regulator valves. A listed shutoff valve shall be installed immediately ahead of each MP regulator.

G2420.5 (409.5) Equipment shutoff valve. Each appliance shall be provided with a shutoff valve separate from the appliance. The shutoff valve shall be located in the same room as the appliance, not further than 6 feet (1829mm) from the appliance, and shall be installed upstream from the union, connector or quick disconnect device it serves. Such shutoff valves shall be provided with access.

Exception: Shutoff valves for vented decorative appliances and decorative appliances for installation in vented fireplaces shall not be prohibited from being installed in an area remote from the appliance where such valves are provided with ready access. Such valves shall be permanently identified and shall serve no other equipment.

G2420.5.1 (409.5.1) Shutoff valve in fireplace. Equipment shutoff valves located in the firebox of a fireplace shall be installed in accordance with the appliance manufacturer's instructions.

The building official has interpreted this to mean that when gas logs are installed in either a prefab fireplace, or a masonry fireplace, the required shutoff valve shall be installed as noted above. Any valve which may be a part of a prefab fireplace and which is located in an area under the firebox, does not qualify as the required shutoff valve. There is no exemption for a fireplace with a fixed glass front between the firebox and the room.

1. Size of copper gas piping must conform to the minimum listed in IRC Section G2413 (402)
2. A wood burning masonry fireplace which is to have vented gas logs installed, must have the damper secured in the open position by welding it open, or by attaching a positive hold open device.
3. Gas appliances installed in a garage must have any source of ignition at least 18 inches above the garage floor.
4. Copper gas piping must be identified per IRC G2412.5 (401.5)
5. Metallic piping must be bonded. IRC G2411.1 (310.1)
6. A regulator vent is required per IRC G2421.3 (410.3).