

Gas Service Inspection

In order to have a gas service inspection and gas service approval for release to the power company, all of the following criteria must be met:

1. The heating unit or boiler is to be properly installed (location, support, combustion air, etc).
2. The heating unit or boiler is to be energized through a fused disconnect installed adjacent to the appliance.
3. A service light is to be installed and operational for attic or crawlspace heating unit or boiler locations.
4. A permanent crawl space ladder or attic space pull down ladder is to be installed to access the heating unit or boiler.
5. The maximum clear travel path from the crawl space or attic access opening to the heating unit or boiler is 20 feet.
6. Gas lines must be run to the heating unit or boiler and to the power company gas meter manifold.
7. Condensate pump must be installed and discharge line run to approved location.
8. The power company gas manifold is to be set and tied to the house gas lines.
9. A gas pressure test must be previously approved or currently under test.
10. An operational thermostat is to be installed.
11. Conditioned living space windows and exterior doors are to be installed.
12. The exterior of the house is to be enclosed (weatherproofed).
13. Individual address tags for each unit are to be installed on multiple-residential and multi-tenant commercial project on the power company gas manifold.
14. The site addresses are to be posted before an inspection will be performed and the gas service release to the power company.
15. Water heaters are not to be installed in crawl spaces.
16. Exterior pipe must be painted.

***Please note** that a gas service approval is a courtesy to the owner and contractor which may be revoked or denied for 'just cause' by the Building Inspection Division.

To Contact Us

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Furnace and Boiler Installation

Helpful tips for the installation of
Furnaces and Boilers

City of Bozeman



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With the onset of cold weather, make sure your Furnace or Boiler has been installed properly...

What are the proper code provisions that should be followed?

International Fuel Gas Code Section 503.6.9.2 Vent Offsets.

Type B venting systems may be installed three ways:

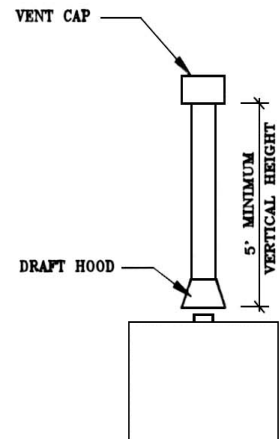
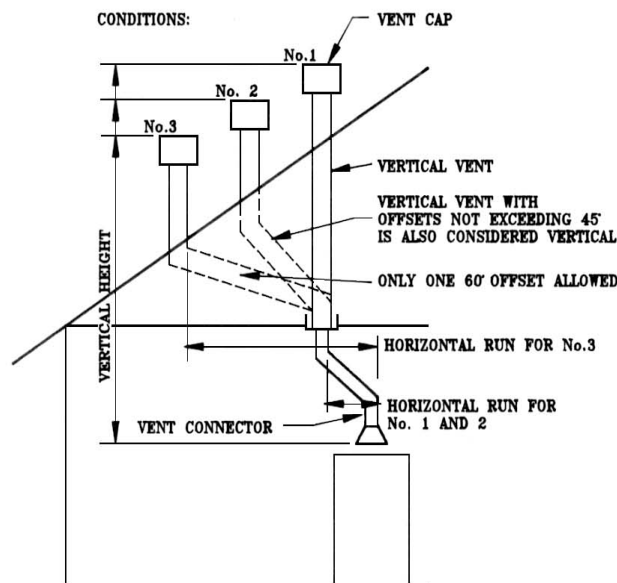
- With as many offsets as required that are less than 45 degrees from vertical.
- With one offset not more than 60 degrees from vertical.

With the total offset that is over 45 degrees and not more than 60 degrees including the horizontal portion of the vent connector not exceeding 75 percent of the vertical height of the venting system.

Note that no vent offsets are allowed that exceed 60 degrees from vertical and that 5 feet is the minimum vertical vent height (Exception: direct vent appliances).

Some other problems we see are:

- Vent connectors shall have a rise of



not less than 1/4 inch per foot.

- Type B vents require 1 inch clearance to combustibles.
- Single wall vent connectors require 6 inches clearance to combustibles.
- Vent connectors located in a crawl space or attic shall be Type B vent material.

Insulation Shield

IMC 802.8 (IFGC 502.4) Insulation shield.

Where vents pass through insulated assemblies, an insulation shield constructed of not less than No. 26 Gage sheet metal shall be installed to provide clearance between the vent and the insulation material. The clearance shall be not less than the clearance to combustibles specified by the vent manufacturer's installation instructions. Where vents pass through attic space, the shield shall terminate not less than 2 inches (51mm) above the insulation materials and shall be secured in place to prevent displacement. Insulation shields shall be secured in place to prevent displacement. Insulation shields provided as part of a listed vent system shall be installed in accordance with the manufacturer's installation instructions.