



TOWN OF WARRENTON

Community Development Department

PO BOX 341
WARRENTON, VIRGINIA 20188
<http://www.warrentonva.gov>
TELEPHONE (540) 347-2405
FAX (540) 349-2414

Gas piping application

Project Address: _____ Permit No. _____

Contractor: _____

The following information is required to apply for a Gas Permit, so please circle appropriate response and provide all information:

1. What type of gas is being used (circle the type); natural or LP gas?
2. The system is designed to operate under what inlet pressure (_____), pressure drop (_____), and specific gravity (_____)?
3. What material is being used for the gas piping: schedule 40 steel, copper pipe, copper Tubing? If CSST is used, provide manufacturer. _____
4. List all appliances / equipment with their respective usage in BTU's or cubic feet per hour.
5. Gas piping diagram must show size of all piping, and length of runs. (use area below)
6. Test gauges for gas piping must be capable of testing the system at least 1.5 times the system working pressure & not less than 3 psi and must be capable of being read in tenths of a pound.
7. Testing will be conducted from the meter / regulator to the shut off valve controlling each piece of equipment.

Gas piping diagram:

Plans prepared by: _____

Signature _____

Date: _____



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VRC 2018 – REPLACEMENT OF GAS-FIRED EQUIPMENT & APPLIANCES

APPLIANCE. A device or apparatus that is manufactured and designed to utilize energy and for which this code provides specific requirements.

EQUIPMENT. All piping, ducts, vents, control devices and other components of systems other than appliances that are permanently installed and integrated to provide control of environmental conditions for buildings. This definition shall also include other systems specifically regulated in this code.

2018 Virginia Residential Code

CHAPTER 18; CHIMNEYS AND VENTS

M1801.1.1 Equipment changes.

Upon the replacement or new installation of any fuel-burning appliances or equipment in existing buildings, an inspection or inspections shall be conducted to ensure that the connected vent or chimney systems comply with the following:

- 1) Vent or chimney systems are sized in accordance with this code.
- 2) Vent or chimney systems are clean, free of any obstruction or blockages, defects or deterioration and are in operable condition.

Where not inspected by the local building department, persons performing such changes or installations shall certify to the building official that the requirements of Items 1 and 2 of this section are met.

G2407 (304) COMBUSTION, VENTILATION AND DILUTION AIR

G2425.1.1 Equipment changes.

Upon the replacement or new installation of any fuel-burning appliances or equipment in existing buildings, an inspection or inspections shall be conducted to ensure that the connected vent or chimney systems comply with the following:

1. Vent or chimney systems are sized in accordance with this code.
2. Vent or chimney systems are clean, free of any obstruction or blockages, defects, or deterioration and are in operable condition. Where not inspected by the local building department, persons performing such changes or installations shall certify to the building official that the requirements of Items 1 and 2 of this section are met.

2018 Virginia Fuel Gas Code

501.15 Existing Chimneys and vents. Where an appliance is permanently disconnected from an existing chimney or vent, or where an appliance is connected to an existing chimney or vent during the process of a new installation. The chimney or vent shall comply with Sections 501.15.1 through 501.15.4

501.15.1 Size: The chimney or vent shall be resized as necessary to control flue gas condensation in the interior of the chimney or vent and to provide the appliance or appliances served with the required draft. For Category I appliances, the resizing shall be in accordance with Section 502.

501.15.2 Flue passageways. The flue gas passageway shall be free of obstructions and combustible deposits and shall be cleaned if previously used for venting a solid or liquid fuel-burning appliance or fireplace. The flue liner, chimney inner wall, or vent liner shall be continuous and shall be free of cracks, gaps, perforations, or other damage or deterioration which would allow the escape of combustion products, including gases, moisture and creosote.

501.1.3 Cleanout. Masonry chimney flues shall be provided with a cleanout opening having a minimum height of 6 inches (152 mm). The upper edge of the opening shall be located not less than 6 inches (152mm) below the lowest chimney inlet opening. The cleanout shall be provided with a tight fitting, noncombustible cover.

501.15.4 Clearances. Chimneys and vents shall have air space clearance to combustibles in accordance with the International Building Code and the chimney or vent manufacturer's installation instructions.

Exception: Masonry chimneys without the required airspace clearances shall be permitted to be used if lined or relined with a chimney lining system listed for use in chimneys with reduced clearances in accordance with UL 1777. The chimney clearance shall be not less than permitted by the terms of the chimney liner listing and the manufacturer's instructions.

The flue "certification" must be presented to the inspector at the time of inspection
A technician must be present during the Final inspection to "soap" test the joints of the re-connected gas line.