

12.4.5.2 Where a venting system passes through an above-ceiling air space or other non-ducted portion of an air handling system, it shall conform to one of the following requirements:

- (1) The venting system shall be a listed Special Gas Vent, other system serving a Category III or Category IV appliance, or other positive pressure vent, with joints sealed in accordance with the appliance or vent manufacturers' instructions.
- (2) The vent system shall be installed such that no fittings or joints between sections are installed in the above-ceiling space.
- (3) The venting system shall be installed in a conduit or enclosure with joints between the interior of the enclosure and the ceiling space sealed.

12.5 Type of Venting System to Be Used.

12.5.1 Type of Venting System. The type of venting system to be used shall be in accordance with Table 12.5.1.

12.5.2 Plastic Piping. Plastic piping used for venting appliances listed for use with such venting materials shall be approved.

12.5.3 Special Gas Vent. Special gas vent shall be listed and installed in accordance with the special gas vent manufacturer's installation instructions.

12.6 Masonry, Metal, and Factory-Built Chimneys.

12.6.1 Listing or Construction.

12.6.1.1 Factory-built chimneys shall be installed in accordance with the manufacturer's installation instructions. Factory-built chimneys used to vent appliances that operate at positive vent pressure shall be listed for such application.

12.6.1.2 Metal chimneys shall be built and installed in accordance with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*.

12.6.1.3* Masonry chimneys shall be built and installed in accordance with NFPA 211, *Standard for Chimneys, Fireplaces, Vents, and Solid Fuel-Burning Appliances*, and lined with approved clay flue lining, a listed chimney lining system, or other approved material that will resist corrosion, erosion, softening, or cracking from vent gases at temperatures up to 1,800°F (982°C).

Exception: Masonry chimney flues lined with a chimney lining system specifically listed for use with listed appliances with

Table 12.5.1 Type of Venting System to Be Used.

Appliances	Type of Venting System
Listed Category I appliances	Type B gas vent [12.7] Chimney [12.6] Single-wall metal pipe [12.8] Listed Chimney lining system for gas venting [12.6.1.3] Special Gas Vent listed for these appliances [12.5.3]
Listed appliances equipped with draft hood	
Appliances listed for use with Type gas vent	
Listed vented wall furnaces	
Category II appliances Category III appliances Category IV appliances	As specified or furnished by manufacturers of listed appliances [12.5.2, 12.5.3]
Incinerators, outdoors	Single-wall metal pipe [12.8, 12.8.3 (3)]
Incinerators, indoors Appliances that can be converted to use of solid fuel Unlisted combination gas and oil-burning appliances Combination gas- and solid-fuel-burning appliances Appliances listed for use with chimneys only Unlisted appliances	Chimney [12.6]
Listed combination gas and oil-burning appliances	Type L vent [12.7] or chimney [12.6]
Decorative appliance in vented fireplace	Chimney [10.6.2]
Gas-fired toilets	Single-wall metal pipe [12.8, 10.25.3]
Direct vent appliances	See 12.3.5
Appliances with integral vents	See 12.3.6

draft hoods, Category I appliances, and other appliances listed for use with Type B vents shall be permitted. The liner shall be installed in accordance with the liner manufacturer's installation instructions. A permanent identifying label shall be attached at the point where the connection is to be made to the liner. The label shall read: "This chimney liner is for appliances that burn gas only. Do not connect to solid or liquid fuel-burning appliances or incinerators."

12.6.2 Termination.

12.6.2.1 A chimney for residential-type or low-heat appliances shall extend at least 3 ft (0.9 m) above the highest point where it passes through a roof of a building and at least 2 ft (0.6 m) higher than any portion of a building within a horizontal distance of 10 ft (3 m). [See Figure 12.6.2.1.]