
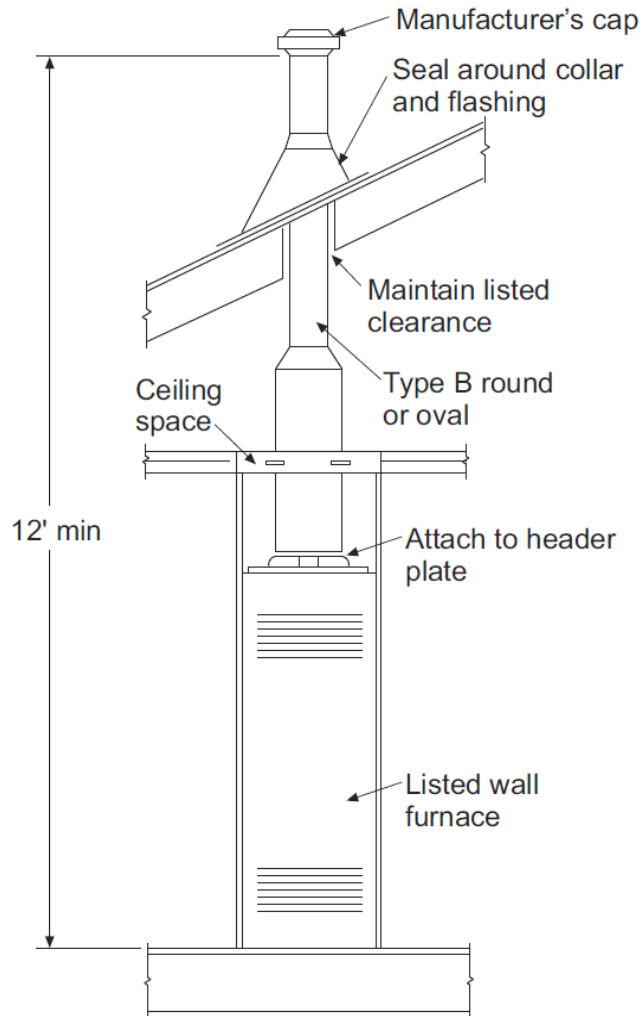




2015 Residential Code Question Of The Week

According to the exhibit above, what is the minimum value of (X) for the TYPE BW natural draft gas vent serving the listed wall furnace?

- A) 10 Feet
- B) 12 Feet 
- C) 15 Feet
- D) Not enough information.



M1804.2.3 Natural draft appliances. Vents for natural draft *appliances* shall terminate not less than 5 feet (1524 mm) above the highest connected *appliance* outlet, and natural draft gas vents serving wall furnaces shall terminate at an elevation not less than 12 feet (3658 mm) above the bottom of the furnace.



2015 Commercial Code Question Of The Week

The required net free cross-ventilation area of a 1,500 square foot enclosed attic shall be ___ square feet, if 45% of the required venting area is provided by ventilators located 2 feet below the ridge.

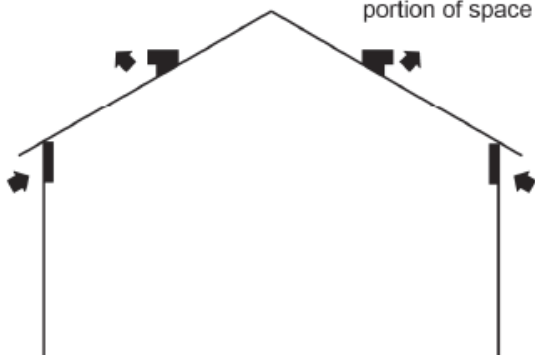
- A) 5
- B) 5.5
- C) 10
- D) Not enough information.

1203.2 Ventilation required. Enclosed *attics* and enclosed rafter spaces formed where ceilings are applied directly to the underside of roof framing members shall have cross ventilation for each separate space by ventilation openings protected against the entrance of rain and snow. Blocking and bridging shall be arranged so as not to interfere with the movement of air. An airspace of not less than 1 inch (25 mm) shall be provided between the insulation and the roof sheathing. The net free ventilating area shall be not less than $\frac{1}{150}$ of the area of the space ventilated. Ventilators shall be installed in accordance with manufacturer's installation instructions.

Exception: The net free cross-ventilation area shall be permitted to be reduced to $\frac{1}{300}$ provided both of the following conditions are met:

1. In Climate Zones 6, 7 and 8, a Class I or II vapor retarder is installed on the warm-in-winter side of the ceiling.
2. At least 40 percent and not more than 50 percent of the required venting area is provided by ventilators located in the upper portion of the *attic* or rafter space. Upper ventilators shall be located not more than 3 feet (914 mm) below the ridge or highest point of the space, measured vertically, with the balance of the *ventilation* provided by eave or cornice vents. Where the location of wall or roof framing members conflicts with the installation of upper ventilators, installation more than 3 feet (914 mm) below the ridge or highest point of the space shall be permitted.

40% min. (50% max)
provided by ventilators
located in upper
portion of space




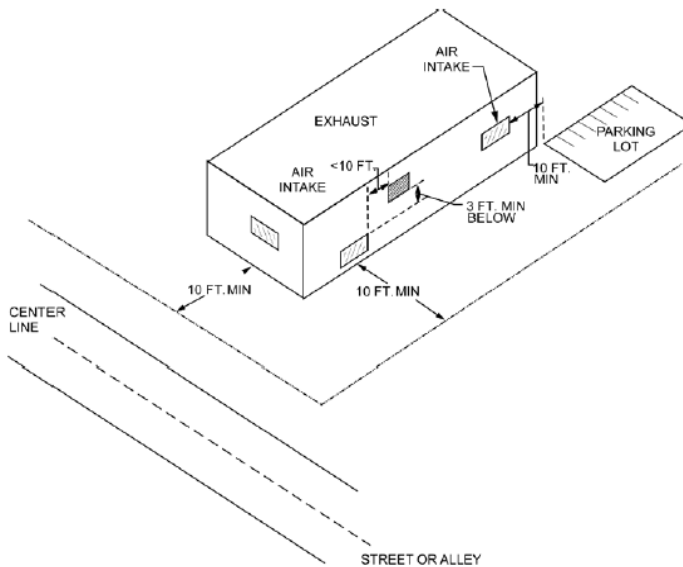
$$\frac{\text{Net vent area}}{\text{Ventilation area}} \geq \frac{1}{300}$$



2015 IMC Question Of The Week

Air intake openings shall comply with all of the following except:

- A) Be located a minimum of 10 feet from lot lines or buildings on the same lot.
- B) Be located not less than 20 feet horizontally from any loading dock. 
- C) Be located not less than 3 feet below contaminant sources where such sources are located within 10 feet of the opening.
- D) Air intake openings shall comply with all of the above.



401.4 Intake opening location. Air intake openings shall comply with all of the following:

1. Intake openings shall be located not less than 10 feet (3048 mm) from lot lines or buildings on the same lot.
2. Mechanical and gravity outdoor air intake openings shall be located not less than 10 feet (3048 mm) horizontally from any hazardous or noxious contaminant source, such as vents, streets, alleys, parking lots and loading docks, except as specified in Item 3 or Section 501.3.1. Outdoor air intake openings shall be permitted to be located less than 10 feet (3048 mm) horizontally from streets, alleys, parking lots and loading docks provided that the openings are located not less than 25 feet (7620 mm) vertically above such locations. Where openings front on a street or public way, the distance shall be measured from the closest edge of the street or public way.
3. Intake openings shall be located not less than 3 feet (914 mm) below contaminant sources where such sources are located within 10 feet (3048 mm) of the opening.
4. Intake openings on structures in flood hazard areas shall be at or above the elevation required by Section 1612 of the *International Building Code* for utilities and attendant equipment.