

1. True or False: Wood or fuel oil equipment may use the combustion air options listed in the IFGC?

ANSWER: 65.0001(1) False (Such non-gas equipment is required to use IMC Ch. 7 requirements)

2. In what section of the code can you find that the minimum required volume of 50 cubic ft per 1,000 Btu/h of appliance input rating can be used as a means to address indoor combustion air?

ANSWER: IFGC 304.5.1.

3. If outside combustion air is to be brought into a space using two openings, the openings must be located within \_\_\_\_\_ inches of the top and bottom of the enclosure, respectively.

ANSWER: IFGC 304.6.1 12 inches

4. If outside combustion air is brought into a space using two vertical ducts, each opening shall have a minimum free area of 1 square inch per \_\_\_\_\_ based on the total input rating of all equipment located in the enclosure.

- a) 2,000 Btu/hr
- b) 3,000 Btu/hr
- c) 4,000 Btu/hr

ANSWER: IFGC 304.6.1 b) 4,000 Btu/hr

5. If outside combustion air is to be brought into a space using one opening, the opening must be located within \_\_\_\_\_ inches of the \_\_\_\_\_ (pick one---top or bottom).

ANSWER: IFGC 304.6.2 12 inches, top

6. If outside combustion air is brought into a space using one opening, a minimum free area of 1 square inch per \_\_\_\_\_ of total input rating of all equipment located in the enclosure is required.

- a) 2,000 Btu/hr
- b) 3,000 Btu/hr
- c) 4,000 Btu/hr

ANSWER: IFGC 304.6.2 b) 3,000 Btu/hr

7. True or False: A combination of air from inside and outside the building can be used for combustion air purposes.

ANSWER: IFGC 304.7 True

8. Which of the items below make the statement incorrect: Combustion air ducts:

- a) shall serve a single enclosure.
- b) shall not slope downward toward the source of combustion air if horizontal upper ducts.
- c) shall be galvanized steel or of a material having equivalent corrosion resistance, strength and rigidity
- d) none of the above statements are incorrect

ANSWER: IFGC 304.11 d)

9. True or False: Where an appliance is permanently disconnected from an existing chimney or vent, one of the first issues to be addressed is to review whether or not the existing chimney or vent needs to be replaced due to the new oversized chimney or vent condition.

ANSWER: IFGC 501.15 True

10. True or False: Exit terminals for mechanical draft systems shall be no less than 7 ft above grade where located adjacent to public walkways.

ANSWER: IFGC 503.3.3 Item 7 True

11. Outside air intake openings for ventilation purposes are required to be \_\_\_ft from vents, unless otherwise specified in this code.

ANSWER: IMC 401.4.1 10 ft

12. All gas vents over 12" shall terminate not less than \_\_\_ ft above the highest point where they pass through the roof and least \_\_\_ ft higher than any portion of a building within 10 ft unless the vents meet other criteria in the code.

ANSWER: IFGC 503.6.4 2 ft, 2 ft

13. A vent terminal of a direct vent appliance with 30,000 btu/hr shall be installed with a minimum 9" vent termination clearance.

ANSWER: IFGC 503.8 Item 3.

14. A vent connector requires no dips or sags, and a minimum slope of \_\_\_ per foot

ANSWER: IFGC 503.10.8 ¼"

15. The maximum horizontal length of a single wall connector shall be \_\_\_%; and of a B-double wall connector shall be \_\_\_% of the height of the chimney or vent

ANSWER: IFGC 503.10.9 75%, 100%

16. When using the multiple appliance vent tables 504.3(1) through 504.3(7), the maximum vent connector horizontal length shall be \_\_\_ ft for each inch of connector diameter.

ANSWER: IFGC 504.3.2 1.5

17. True or False: Unvented room heaters are recognized for use in any fully constructed commercial building as long as their listing requirements are met when they are installed.

ANSWER: IFGC 621/Comm 65.0621 False ---- The use of unvented room heaters is prohibited in Wisconsin

18. True or False: Unvented infrared radiant heaters are allowed to be installed in all of the following locations: Groups F, Groups S, and Groups A.

ANSWER: IFGC 630/Comm 65.0630 False Group A NOT allowed