

**GEOGRAPHIC INFORMATION SYSTEMS  
GEOGRAPHIC INFORMATION CENTER  
PO BOX 5839  
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**\*\*\* EXAMINATION \*\*\***

**FIRE PROTECTION SYSTEM DESIGN AND CONSTRUCTION  
USING THE 2003 INTERNATIONAL BUILDING CODE**

1. **Threads provided for fire department connections to sprinkler systems:**
  - a) shall be compatible with connections specified by the owner
  - b) shall be compatible with connections used by the local fire department
  - c) shall be compatible with connections specified by the fire inspector
  - d) shall be compatible with connections specified by the design engineer
  
2. **A supervising station is not required for automatic sprinkler systems:**
  - a) protecting two-family dwellings
  - b) protecting high-rises
  - c) protecting apartments
  - d) protecting schools
  
3. **A supervising station is not required for automatic sprinkler systems:**
  - a) protecting limited area systems serving less than 20 sprinklers
  - b) protecting limited area systems serving less than 30 sprinklers
  - c) protecting limited area systems serving less than 40 sprinklers
  - d) protecting limited area systems serving less than 50 sprinklers
  
4. **A device providing an emergency function without human intervention is:**
  - a) manual
  - b) nuisance alarm
  - c) automatic
  - d) smoke-proof
  
5. **A listed device that senses visible or invisible particles of**
  - a) combustion is a smoke alarm
  - b) combustion is a smoke detector
  - c) combustion is a smoke-proof enclosure
  - d) a nuisance alarm
  
6. **A device designed to detect the presence of a fire signature is:**
  - a) an automatic fire detector
  - b) a halogenated extinguishing system
  - c) a manual fire alarm box
  - d) a nuisance alarm

7. **An automatic sprinkler system shall be provided for Group A-1**
  - a) occupancies where the fire area exceeds 5,000 square feet
  - b) occupancies where the fire area exceeds 7,000 square feet
  - c) occupancies where the fire area exceeds 9,000 square feet
  - d) occupancies where the fire area exceeds 12,000 square feet
8. **An automatic sprinkler system shall be provided for Group A-2**
  - a) occupancies where the fire area exceeds 5,000 square feet
  - b) occupancies where the fire area exceeds 7,000 square feet
  - c) occupancies where the fire area exceeds 9,000 square feet
  - d) occupancies where the fire area exceeds 12,000 square feet
9. **An automatic sprinkler system shall be provided for Group A-3**
  - a) occupancies where the fire area exceeds 5,000 square feet
  - b) occupancies where the fire area exceeds 7,000 square feet
  - c) occupancies where the fire area exceeds 9,000 square feet
  - d) occupancies where the fire area exceeds 12,000 square feet
10. **An automatic sprinkler system shall be provided for press boxes:**
  - a) where the fire area exceeds 500 square feet
  - b) where the fire area exceeds 1000 square feet
  - c) where the fire area exceeds 1500 square feet
  - d) where the fire area exceeds 2000 square feet
11. **An automatic sprinkler system shall be provided for Group E schools:**
  - a) where the fire area exceeds 10,000 square feet
  - b) where the fire area exceeds 15,000 square feet
  - c) where the fire area exceeds 20,000 square feet
  - d) where the fire area exceeds 25,000 square feet
12. **An automatic sprinkler system shall be provided for buildings:**
  - a) having any size Group R fire area
  - b) in only a Group R fire area greater than 10,000 square feet
  - c) in only a Group R fire area greater than 20,000 square feet
  - d) in only a Group R fire area greater than 30,000 square feet
13. **An automatic sprinkler system shall be provided for Group I buildings:**
  - a) in only a Group I fire area greater than 10,000 square feet
  - b) in only a Group I fire area greater than 20,000 square feet
  - c) in only a Group I fire area greater than 30,000 square feet
  - d) having any size Group I fire area
14. **An automatic sprinkler system shall be provided for buildings:**
  - a) storing over 15,000 cubic feet for tires
  - b) storing over 20,000 cubic feet for tires
  - c) storing over 25,000 cubic feet for tires
  - d) storing over 30,000 cubic feet for tires

15. **An automatic sprinkler system shall be provided for:**
- a) commercial parking garages where the fire area exceeds 5,000 feet
  - b) commercial parking garages where the fire area exceeds 6,000 feet
  - c) commercial parking garages where the fire area exceeds 7,000 feet
  - d) commercial parking garages where the fire area exceeds 8,000 feet
16. **Rubbish and linen chutes higher than three floors shall have:**
- a) sprinkler heads installed in the chute at every floor
  - b) sprinkler heads installed in the chute at every other floor
  - c) sprinkler heads installed in the chute at every three floors
  - d) sprinkler heads installed at the ceiling of the chute
17. **Automatic sprinkler systems shall be:**
- a) manually actuated
  - b) automatically actuated
  - c) actuated by the fire alarm only
  - d) actuated by the smoke alarm only
18. **Hose connections for standpipe systems in covered mall buildings:**
- a) shall be located in the basement
  - b) shall be located on the roof
  - c) shall be located at exterior public entrances to the mall
  - d) None of the above
19. **Construction documents for fire alarm systems shall include:**
- a) annunciation
  - b) power connections
  - c) battery calculations
  - d) All of the above
20. **Manual fire alarm boxes should be colored:**
- a) red
  - b) orange
  - c) green
  - d) white



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