

[REDACTED]

[REDACTED]

[REDACTED]

(b)

The provisions of this Code shall apply equally to new structures, including additions to existing structures and existing conditions, except that existing conditions not in strict compliance with the terms of this subsection shall be permitted to continue where the exceptions do not constitute a distinct hazard to life or adjoining property, as determined by the authority having jurisdiction (AHJ), or have been superseded by this Code.

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(3)

ADDITIONS TO, CHANGE OF USE, RENOVATED, ALTERED OR REMODELED BUILDINGS.

(a)

If 50 percent or more of the total floor area of a building is renovated, altered or remodeled and/or added to the existing building, the entire building shall be brought into compliance with the requirements of this Code.

(b)

If 25 to 49 percent of the total floor area of a building is renovated, altered or remodeled, the portion of the building that is remodeled shall be brought into compliance with the requirements of this Code.

[REDACTED]

[REDACTED]

(d)

All percentages of remodeling shall be cumulative as applied to (a), (b), and (c) above.

■

[REDACTED]

■

[REDACTED]

5.12 - AUTOMATIC FIRE SPRINKLER, FIRE CONTROL AND/OR FIRE SUPPRESSION SYSTEM PROTECTION.

■

[REDACTED]

(2)

CODE COMPLIANCE. All automatic fire sprinkler, fire control and/or fire suppression systems installed, modified, altered and/or repaired, shall comply with this Code and the applicable NFPA codes and/or standards.

(3)

CODE CONFLICTS. If any conflicts exist between this Code and any NFPA code and/or standard, the most restrictive, as determined by the AHJ, shall be enforced by the AHJ.

■

[REDACTED]

■

[REDACTED]

■

[REDACTED]

INSTALLATION REQUIRED. Automatic fire sprinkler systems shall be installed in all structures where the floor area exceeds the thresholds established in Table 5.06(5) of the specific occupancy type and construction type involved. For the purpose of determining square footage as it relates to the required installation of fire sprinklers in a building, firewalls shall not be considered area dividers unless the firewall is rated at 4 hours without penetrations and extends a minimum of 3 feet above the roof.

TABLE 5.06(5)

OCCUPANCY TYPE	TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
E*	ALL	ALL	ALL	ALL	ALL
F-2	5,000 SF	5,000 SF	3,000 SF	3,000 SF	3,000 SF
I-2	ALL	ALL	ALL	ALL	ALL
I-3	ALL	ALL	ALL	ALL	ALL
I-4	ALL	ALL	ALL	ALL	ALL
R-4	ALL	ALL	ALL	ALL	ALL
U	5,000 SF	5,000 SF	3,000 SF	3,000 SF	3,000 SF

* Excludes single-family home day cares

(7)

ADDITIONAL AUTOMATIC FIRE SPRINKLER SYSTEM INSTALLATIONS REQUIRED. An automatic sprinkler system shall be installed in all:

(a)

Parking structures above and below ground with ceilings.

(b)

CBRFs (community based residential facilities).

(c)

Adult family homes.

(d)

Throughout all dormitories, fraternities and sorority houses.

(e)

Throughout every building, new or existing, which by reason of its construction or combustible occupancy involves a life hazard to its occupants or in the judgment of the AHJ constitutes a fire menace.

(f)

Throughout all mini warehouses and unattached multifamily parking garages that exceed any of the following:

1.

Three thousand square feet or more in area on any floor.

2.

Two stories in height.

3.

Any portion of the structure is below grade level.

(8)

[BASEMENTS AND GARAGES.] Basements and garages are to be designed to protect as a minimum of for ordinary hazard occupancy.

(9)

[INSTALLATION OF AUTOMATIC FIRE SPRINKLER SYSTEM IN STRUCTURE NOT

CURRENTLY SERVICED BY MUNICIPAL WATER SOURCE.] When an automatic fire sprinkler system is required to be installed by this Code but not the Wisconsin Department of Commerce, in a structure that is not currently serviced by a municipal water source, the following must be complied with:

(a)

Any required fire sprinkler system shall be installed in complete compliance with the appropriate NFPA code(s) and/or standard(s). Exception: An automatic water supply for any fire sprinkler system(s) required to be installed by this Code but not required by the Wisconsin Department of Commerce Code, the automatic water supply shall comply with the following:

■

[REDACTED]

2.

The fire sprinkler system(s) shall be installed and connected to a conditionally approved automatic water supply.

■

[REDACTED]

4.

The required automatic water supply must be capable of delivering the required quantity of water at the required pressure as determined by hydraulically calculating the system demand in accordance with NFPA 13 for the most hydraulically demanding area.

■

[REDACTED]

■

[REDACTED]

(b)

Within 90 days after a municipal water system becomes available, the sprinkler system shall be connected to the municipal water supply.

(c)

For the purpose of this Code, an available municipal water supply shall be any of the following:

1.

A municipal water main located at or near the streets adjacent to the property the structure that is required to be sprinklered is located on.

2.

A municipal water main located in a utility easement on or near the property the structure that is required to be sprinklered is located on.

3.

A municipal water main located at or near the streets within 1,500 lineal feet of any part of the property the structure that is required to be sprinklered is located on.

4.

A municipal water main located in a utility easement within 1,500 lineal feet of any part of the property the structure that is required to be sprinklered is located on.

(10)

[SYSTEMS COMPLIANCE.] All automatic fire sprinkler, fire control and/or fire suppression systems shall comply with the following:

(a)

Be designed in accordance with the appropriate NFPA standards and/or codes.



(c)

Be design to protect the highest hazard present at any time in the protected area.

(d)

Be monitored by a central station or an alternate monitoring service that is acceptable to the AHJ.

(e)

Have sprinkler control rooms located with adequate access for Fire Department, sprinkler maintenance and inspection personnel and shall not be located within private dwellings with the exception of NFPA 13D systems.



(13)

EXEMPTIONS. Any location where the installation of sprinklers may cause or increase an occupational hazard as determined by any governmental authority having jurisdiction over such location or occupation the AHJ may waive any requirement to install an automatic fire sprinkler system or any portion thereof.

5.13 - STANDPIPES.



(2)

WHERE REQUIRED. Fire Department standpipe systems shall be installed in the following structures:

(a)

Any structure required by the State of Wisconsin Codes.

(b)

In all new structures over 2 stories in height.

(c)

In any structure that exceeds 10,000 square feet in floor area.

(d)

In any structure that the AHJ deems standpipes are necessary for firefighting purposes.

(e)

Temporary standpipes must be installed in an approved location for all of the following structures:

1.

All combustible structures exceeding 2 stories in height.

2.

All noncombustible structures exceeding 3 stories in height.

(3)



(2)

INSTALLATION REQUIRED. A fire alarm system shall be installed in all structures where the floor area exceeds the thresholds established in Table 5.14(2) of the specific occupancy type and construction type involved.

TABLE 5.14(2)

OCCUPANCY TYPE	TYPE I	TYPE II	TYPE III	TYPE IV	TYPE V
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
E*	ALL	ALL	ALL	ALL	ALL
F-1	5,000 SF	5,000 SF	3,000 SF	3,000 SF	3,000 SF
F-2	5,000 SF	5,000 SF	3,000 SF	3,000 SF	3,000 SF
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
I-2	ALL	ALL	ALL	ALL	ALL
I-3	ALL	ALL	ALL	ALL	ALL
I-4	ALL	ALL	ALL	ALL	ALL
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]	[REDACTED]
R-3	State Statutes apply				
R-4	ALL	ALL	ALL	ALL	ALL
S-1	3,000 SF	3,000 SF	3,000 SF	3,000 SF	3,000 SF

S-2	5,000 SF	5,000 SF	3,000 SF	3,000 SF	3,000 SF
U	5,000 SF	5,000 SF	3,000 SF	3,000 SF	3,000 SF

* Excludes single-family home daycares, State Statutes apply.

(3)

MINIMUM SYSTEM REQUIREMENTS. The following minimum system requirements shall be met when any occupancy type exceeds the limits in Table 5.14(2). Minimum system requirements shall include:

(a)

Audible notification appliances shall be installed throughout protected premises.

(b)

Visible notification appliances shall be installed throughout protected premises. Exceptions:

1.

Closets and/or other similar small storage rooms that do not exceed 50 square feet in floor area and are not normally occupied.

2.

Normally unoccupied crawl spaces.

3.

Normally unoccupied attic spaces.

4.

Any nonaccessible area.

5.

Any area the AHJ deems visible notification appliances are not required.

(c)

Appliances that automatically detect fire and/or products of combustion shall be installed throughout protected premises. The type of appliance used in each specific application and/or area must be appropriate for the applicable conditions and acceptable to the AHJ. The determination of the acceptability of any type of detector (products of combustion, flame, heat, etc.) shall be based upon occupancy and/or building use. Exceptions:

1.

Closets and/or other similar small storage rooms that do not exceed 50 square feet in floor area and are not normally occupied.

2.

Normally unoccupied crawl spaces.

3.

Normally unoccupied attic spaces.

4.

Any nonaccessible area.

5.

Appliances that automatically detect fire and/or products of combustion are not required in buildings that have complete automatic fire sprinkler systems installed in accordance with NFPA 13, unless required by the AHJ.

6.

Any area the AHJ deems appliances that automatically detect fire and/or products of combustion are not required.

(d)

Manual initiating devices (pull stations) shall be located at all points of egress including all exit doors on every floor and/or building level.

(e)

Water flow detection devices shall be connected to the fire alarm system to specifically activate the notification appliances upon water flow.

(f)

Fire suppression system activation alarms shall be connected to the protected premises fire alarm system to specifically activate the notification appliances upon system activation. This includes but is not limited to wet chemical, CO₂, clean agent, water mist and dry chemical systems.

(g)

Fire control and/or suppression systems supervisory condition indicators shall be connected to and monitored by the fire alarm system. This specifically includes but is not limited to: valve supervisory switches (tamper switches), low air switches, low water switches, low temperature switches, fire pump condition indicators and/or any other situation or condition deem necessary by the AHJ.

(h)

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

[REDACTED]

(6)

SPECIAL REQUIREMENTS. On all buildings over 4 stories in height a fire command center for Fire Department operations shall be provided. The fire command center shall comply with NFPA 72 and shall contain the features required in the International Fire Code and NFPA 1 and NFPA 101.

(a)

Two-way telephone communication service shall be provided for Fire Department use. This system shall be in accordance with NFPA 72. The communications system shall operate between the central control station and every elevator car, every elevator lobby, and each floor level of exit stairs.

[REDACTED]

