

# **FIRE HAZARDS**

02/08/73

## **RELATING TO CONTROL OF FIRE HAZARDS**

The Town Board of the Town of Vienna do ordain, as follows: An addition to the existing Building Code of the Town of Vienna is created to read as follows:

1. **ENCLOSURES.** Fire hazards shall be isolated in an enclosure with a fire-rated construction for all classes of occupancies as provided by the Wisconsin Administrative Code, Section 57.20(1), (2), (4), and (5). In apartment buildings not more than two stories in height, the enclosure shall be not less than one-hour fire-rated construction.

2. **EXCEPTION.** The enclosure above required may be omitted in an apartment building not more than two stories in height and having not more than two apartments on a floor or a rooming house having not more than four sleeping rooms or eight persons on a floor, provided that the stairway and ceiling and floor combination above the basement is one-hour fire-rated construction conforming with the Wisconsin Administrative Code, Section Ind. 51.045. Any openings between the basement and floor above, such as clothes or trash chutes, doorways, and pipe chases, shall be protected with closures or door assemblies having a fire-rating of not less than thirty minutes. It is the intent of this exception not to permit a stairway enclosure at the basement or first floor level without ceiling protection over the entire basement ceiling.

3. **SPACE HEATERS.** Gas-fired space heaters may be used in private apartments and in guest rooms in motels or tourist courts without an enclosure if approved in accordance with the Wisconsin Administrative Code, Section 59.66(3). Approved space heaters fired with liquid fuel may be used without an enclosure in motels and apartment buildings not more than one story in height.

### **4. BASEMENT STORAGE FACILITIES.**

(a) Where tenant or owner storage areas are provided in lodging houses or multi-family dwellings, the area shall either be enclosed with not less than one-hour rated construction with heat sensing devices installed, or if the storage area enclosure is not constructed of a one-hour rated construction, automatic sprinklers shall be installed. The requirements of this section do not apply to row housing as specified in Wisconsin Administration, Section Ind. 57.25. The heat sensing devices and/or automatic sprinklers may be omitted provided that the area of the one-hour rated enclosure is not more than 200 square feet. Where openings are provided in the fire-rated walls, such openings shall be protected with door assemblies with the equivalent of not less than a glued solid wood core flush door, 1-3/4 inches thick. The door shall be equipped with an approved self closing device and lock. The lock shall satisfy the functions as follows:

1. A rotating inside knob that will retract a live bolt;
2. An outside knob permanently fixed;
3. Lock to open from outside with key;
4. Inside knob always free for immediate exit; and
5. Latch bolt returns to locked position when door is closed.

(b) The heat sensing device shall be a type tested and listed by Underwriters' Laboratories. An open-circuit fixed temperature fixed alarm thermostat calibrated at 135 degrees F. is acceptable. The thermostat shall be made operable with the building fire alarm system where one is installed or required and where a fire alarm is not required, it shall actuate an audible horn or bell located outside of the storage area and placed in a location so that the occupants may be alerted in case of a fire. The thermostats shall be installed on the ceiling and the spacing shall be not in excess of 20 feet and not more than 10 feet from any partition or wall. Where solid partitions are installed between storage lockers, a heat sensing device shall be installed in each compartment. The use of heat sensing devices and detectors may be used if the proposed installation does conform with the minimum performance standards of this section, provided that the storage area is not more than 2,500 square feet and the design is approved by the Building Inspector.

(c) The sprinkler heads shall be located to effectively cover the storage area and spaced to include a ceiling area not in excess of 130 square feet applied to open wood joists and 200 square feet applied to smooth ceilings of non-combustible materials. The water supply may be from the domestic supply or other source adequate to satisfy the demand. The minimum number of sprinkler heads required and pipe size shall not be less than that shown on the following table:

Open Joist Sq. Ft.	Heads Req'd	Covered Ceiling Sq. Ft.	Heads Req'd	Gal/Min @ 15#	Meter Size	No. Heads Permitted
130	1	200	1	22	3/4"	1
260	2	400	2	22	1"	2
390	3	600	3	22	1-1/2"	5
520	4	800	4	22	1-1/2"	5
650	5	1,000	5	22	1-1/2"	5
780	6	1,200	6	22	2"	10
910	7	1,400	7	22	2"	10
1,040	8	1,600	8	22	2"	10
1,170	9	1,800	9	22	2"	10
1,300	10	2,000	10	22	2"	10
1,430	11	2,200	11	22	3"	40
1,560	12	2,400	12	22	3"	40
1,690	13			22	3"	40
1,820	14			22	3"	40
1,950	15			22	3"	40
2,080	16			22	3"	40
2,210	17			22	3"	40

2,340	18		22	3"	40
2,470	19		22	3"	40

Note: Sprinkler systems for areas exceeding 2,500 square feet shall be designed in accordance with the standards published by National Fire Protection Association Bulletin No. 13 and the design shall be approved by the Building Inspector.

The pipe size from the meter shall be continuous to the first nozzle and may be reduced in size if 15 pounds pressure can be maintained when 50% or not more than four (4) sprinkler heads are operating.

The spacing and sprinkler discharge capacity may be varied if the proposed installation does conform with the minimum performance standards of this section and the design is approved by the Building Inspector.

(d) All basement storage facilities in existing buildings shall be made to conform with the requirements of this section on or before January 1, 1974.

5. ATTIC SPACES. The attic spaces of all buildings, except where roof and attic are of noncombustible or fireproof construction, shall be divided into areas not exceeding three thousand (3,000) square feet by means of approved fire stops of not less than the equivalent of 1/2" gypsum sheet rock applied to both sides or combustible structural members.

This ordinance shall be in effect from and after its passage and posting.

The above and foregoing ordinance was duly adopted by the Town Board of the Town of Vienna at a regular monthly meeting held on the 8th day of February, 1973.

Peter Clemens, Chairman  
Edward Kaltenberg, Supervisor  
Dwight Ziegler, Supervisor

ATTEST:  
Dorothy Bostad, Town Clerk