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ORIGINAL

ORDINANCE NO. 1321

AN ORDINANCE OF THE CITY OF REDMOND, WASHINGTON ADDING NEW SECTIONS TO, DELETING SECTIONS OF AND AMENDING THE REDMOND MUNICIPAL CODE AND COMMUNITY DEVELOPMENT GUIDE RELATING TO THE FIRE CODE, DGA-85-01, APPROVING A SUMMARY THEREOF AND ESTABLISHING AN EFFECTIVE DATE.

WHEREAS, the City Council of the City of Redmond does find that the adoption of the most recent Uniform Fire Code is in the best interests of the citizens of the City, and,

WHEREAS, the City Council does find that certain amendments to the Redmond Fire Code are in the best interest of the citizens of the City, now, therefore,

THE CITY COUNCIL OF THE CITY OF REDMOND, WASHINGTON DO ORDAIN AS FOLLOWS:

Section 1. Section 20E.80.020 of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

Adoption. The Uniform Fire Code, 1985 Edition, including appendices of Division I-A, B and C; II-A, B, C and D; III-A and B; IV-A; V-A; VI-A, B, C and D; and the 1985 Edition of the Uniform Fire Code Standards published by the Western Fire Chiefs Association and the International Conference of Building Officials, in their entirety except such portions as are hereinafter by this chapter deleted, modified, amended or added to, are hereby adopted and incorporated as fully as if set out at length herein.

Section 2. Section 20E.80.030 of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

20E.80.030 Definitions. The following terms as defined herein shall be used in conjunction with the Uniform Fire Code as adopted in Section 20E.80.020.

Appliance - is any device used in the control or suppression of fire, such as, but not limited to, dry lines, standpipes, ladders, extinguishing systems, etc.

Approved - Shall in all cases mean that a particular plan, system, operation or construction including all notations made during review or testing as to the best knowledge of the Chief or his designated representative met or exceeded all applicable codes, standards, regulations and/or performance tests as of the date of approval. Any subsequent changes of circumstance which compromise the conditions of approval render such approval inapplicable.

Chief - As used in the Redmond Fire Code shall mean the Chief of the Fire Department or his representative as

assigned or as authorized by the Redmond Fire Department Manual of Operations.

N.F.P.A. - is the National Fire Protection Association. N.F.P.A. publishes numerous pamphlets which, when referenced, are applicable as guidelines and standards in applying codes or ordinances.

Redmond Fire Department Standards - As published and periodically updated by the Redmond Fire Department are a compilation of written and/or illustrated policies, procedures, criteria and guidelines designed to clarify and explicate the decisions of the Chief in regards to the application of adopted codes, ordinances and regulations. Redmond Fire Department Standards shall constitute the Redmond Fire Department's primary reference document.

Transmit an Alarm by Approved Means - shall mean an approved supervised system for transmitting an alarm signal to the Fire Department Communications Center by one of the following methods:

- a) Central Station, as defined in N.F.P.A. Pamphlet 71, 1977 Edition.
- b) Upon approval of the Fire Chief, a proprietary system as defined in N.F.P.A. Pamphlet 72D, 1979 Edition.

Section 3. Subsection 20E.80.040(05) of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

20E.80.040(05) Occupancies Prohibited. No Group H, Division II occupancy as defined in Section 901 Uniform Building Code, having a floor area exceeding 1500 square feet shall be permitted. No Group H, Division I or V occupancies as defined in Section 901 Uniform Building Code, shall be permitted.

Exception No. 1: When a Group H, Division II occupancy, other than a spray booth, has an approved fire detection system and an approved sprinkler system as defined by the Redmond Fire Code, the area may be increased to what is permitted in the Uniform Building Code.

Exception No. 2: A Group H, Division I occupancy may be allowed if it is accessory to a plating, circuit board manufacturer or semi-conductor fabrication facility, or when otherwise approved by the Chief and the building official.

Occupancies which are currently using quantities of materials in excess of the amounts allowed in B occupancies listed in Table 9-A of the Uniform Building Code and who would fall under this exception shall comply with the current requirements for H-1 occupancies.

Compliance with these requirements shall be made as soon as possible, with a schedule for compliance established between the Redmond Fire Department and the individual occupancy based upon the amount of change and hazard involved in each situation.

The schedule for compliance shall not exceed 18 months from the date of enactment of this change except that the

Chief may extend or phase timing if it is demonstrated that the compliance time frame would pose a hardship.

Section 4. Subsection 20E.80.060(15) of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

20E.80.060(15) Add Subsection 10.207(b)1 as follows:

The access road shall extend to within 50 feet of at least 25% of the perimeter of the building. Where access roadway cannot be provided, approved fire protection system or systems shall be provided as required in Section 20E.80.100.

Section 5. Subsection 20E.80.060(20) of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

20E.80.060(20) Add to Subsection 10.207(j) #1 as follows:

1) All required access roadways shall be constructed so that the maximum gradient is 10%. No access roadway or access road approach to a public way shall have an arc higher than 12 inches in less than 18 feet. Where these requirements cannot be provided, approved fire protection system or systems shall be provided as required in Section 20E.80.100.

Section 6. Subsection 20E.80.060(45) of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

20E.80.060(45) Renumber the Existing Exception to Subsection 12.114(a) and Add Second Exception as follows:

Exception No. 1: Main exterior doors which obviously and clearly are identified as exits need not be signed when approved by the Chief.

Exception No. 2: For occupant load less than 50, signs are required wherever necessary to clearly indicate the direction of exit travel and may be non-illuminated (internal or self).

Section 7. Section 20E.80.070 of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

20E.80.070 Deletions The following portions cited from the Uniform Fire Code, 1985 Edition, as adopted in 20E.80.020, are hereby deleted:

80.070(5) - Section 10.307 Fire Alarm System.*
See Section 20E.80.080 "Fire Detection Systems."

80.070(10) - Section 11.403(b) "Exception."

80.070(15) - Article 78 - "Fireworks" (See RMC 9.26)

Section 8. Section 20E.80.080 of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

20E.80.080 Fire Detection Systems. The following regulations constitute general requirements of fire alarm systems and supervisory requirements for sprinklered buildings. Specific requirements may be found in the Redmond Fire Department Standards.

.80.080(05) General Requirements. An approved supervised fire detection system shall have detectors sensitive to any of the products of combustion or fixed temperature and rate of rise detectors as required by Redmond Fire Department Standards for the particular occupancy.

.80.080(10) Maintenance. All approved systems shall be maintained and shall be under supervision of a responsible and qualified person or organization having a specialty low voltage license issued by the State of Washington and satisfying the requirements of the Redmond Fire Department Standards. Inspections, tests, repairs, notifications of trouble and alarm, records of all notifications and work done shall be as required in the Redmond Fire Department Standards.

.80.080(15) Where Required. An approved fire detection system shall be required in the following structures. For the purposes of this section, an area separation or occupancy separation wall shall not constitute a separation between two structures.

(a) Every structure used for residential occupancy containing five or more units, two or more stories in height, and with interior corridors not having an approved sprinkler system shall have installed therein an approved and maintained supervised fire detection system.

(b) Any structure used exclusively for the parking or storage of 20 or more passenger motor vehicles with an interior driveway not having an approved sprinkler system shall have installed therein an approved and maintained supervised fire detection system.

(c) Any structure used exclusively for the parking or storage of 30 or more passenger motor vehicles not having an approved sprinkler system shall have installed therein an approved and maintained supervised fire detection system.

(d) Every structure used for any purpose not referred to in subsection (a) and (b) where the total floor area included within the surrounding exterior walls on all floors exceeds 6,000 square feet and there is not an approved sprinkler system there shall be installed therein an approved and maintained supervised fire detection system.

(e) Where required elsewhere in the Redmond Fire Code.

(f) Any structure where the total floor area included within the surrounding exterior walls on all floors

exceeds 3000 square feet except R-3 single family residences, Provided that this section shall have no application to any structure for which a building permit application was on file with the City as of July 1, 1986.

.80.080(20) Approval Requirements.

(a) Prior to the installation of a fire alarm system, plans shall be submitted to the fire department for approval and permit. The plans shall indicate the permit. The plans shall indicate the layout of all equipment to be used and an accurate representation of floor scaled and dimensioned representation of floor and ceiling plans, with wall, ceiling, attic and roof support configurations. The manufacturer and model number of each component of the system shall be indicated.

(b) Prior to occupancy of the building, the fire alarm system shall be tested in the presence of, and shall be approved by, the Chief.

.80.080(25) Modifications.

(a) When building remodel or addition creates spaces which would otherwise be required to have detectors, the system shall be modified in an approved manner so that the building in its entirety will meet all the requirements for an approved system.

(b) Prior to modifications, plans shall be submitted as per 20E.80.080(20)(a) for approval and permit.

(c) Prior to occupancy of the remodeled or added portion the modified alarm system may be required to be tested in the presence of, and approved by, the Chief.

.80.080(30) Supervisory Requirements for Sprinkler Systems.

(a) Any structure which has installed an approved sprinkler system shall have the flow and control valves supervised per Redmond Fire Department Standards.

(b) The supervisory system shall also monitor exterior control valves for tamper as required in the Redmond Fire Department Standards and transmit automatically an alarm upon activation.

20E.80.080(35) Nonconforming Buildings. The use of any building not conforming to the provisions of 20E.80.080 and to which the provisions of this section would apply shall be terminated on or before January 1, 1988, unless the building has been made to comply with the requirements of 20E.80.080. Buildings in portions of the City annexed subsequent to January 1, 1986 shall not be subject to the provisions of this section until the expiration of one year from the date of annexation.

Exception: Alarm systems required under 20E.80.080(15)(f) until such time as the occupancy use changes.

.80.080(40) Smoke Detection Devices. Compliance with state law is required. Compliance with the requirements of this section 20E.80.080 shall not relieve the owner or tenant of any structure governed by Chapter 50, Laws of the State of Washington, 1980, relating to installation and maintenance of smoke detection devices, from the duty to comply with said statute. Chapter 50, Laws 1980, three copies of which have been and are on

file with the office of the City Clerk for public inspection, is hereby adopted by this reference and incorporated herein as if fully set forth.

Section 9. Subsection 20E.80.090(15) of the Redmond Municipal Code and Community Development Guide is hereby amended to read as follows:

20E.80.090(15) Where Required. An approved sprinkler system shall be required in the following structures. For the purposes of this section an area separation or occupancy separation wall shall not constitute a separation between two structures.

- a) All high rise buildings constructed in Redmond shall be provided with an approved sprinkler system throughout.
- b) In any structure where the total area included within the surrounding exterior walls on all floors is 12,000 square feet or more.
- c) In any structure where the required fire flow as determined by the Chief in accordance with Redmond Fire Department Standards is 3,500 gallons per minute or more.
- d) When required by the Chief for the protection of exposures, etc., exterior sprinklers may be required when combustible materials are stored next to a fully sprinklered building.
- e) Where required elsewhere by the Redmond Fire Code or Uniform Building Code.

Section 10. A new Subsection 20E.80.060(7) is hereby added to the Redmond Municipal Code and Community and Development Guide to read as follows:

20E.80.060(7) Add item 48 to Section 4.101 as follows:
48: Asphalt Kettles - to store, transport, and/or use, asphalt kettles and other related equipment. Such storage, transport and/or use must be done in accord with the Uniform Fire Code 11.403 and this Code [See 20E.80.070(10)].

Section 11. A new Subsection 20E.80.060(38) is hereby added to the Redmond Municipal Code and Community Development Guide to read as follows:

20E.80.060(38) Add Subsection 11.403(c) as follows: A permit is required to use or store an asphalt kettle or other similar equipment.

Section 12. A new Subsection 20E.80.060(39) is hereby added to the Redmond Municipal Code and Community Development Guide to read as follows:

20E.80.060(39) Add to Section 11.413: Minimum protection shall consist of bollards on 30" centers around such equipment whenever there is a driving

surface within 20 feet. Bollard installation shall conform with Redmond Fire Department Standards.

Section 13. A new Subsection 20E.80.060(40) is hereby added to the Redmond Municipal Code and Community Development Guide to read as follows:

20E.80.060(40) Add 12.103(f) height: All aisles, corridors or similar areas providing exit from any portion of the building shall have a clear height of at least 6'6" unless a higher minimum is otherwise required.

Section 14. A new Subsection 20E.80.060(42) is hereby added to the Redmond Municipal Code and Community Development Guide to read as follows:

20E.80.060(42) Add to Section 12.113(b)2: In the event of a normal power supply failure, automatic energy exit illumination shall be provided in exit corridors, stairways, main aisles, and exit passageways when:

- 1) There are one or more floors above or below the principle grade of exit in any occupancy except R-3 or M.
- 2) When there is an occupant load in excess of 50 in assembly or educational occupancies.

Exception: When the exits are exterior, open stairways.

Section 15. A new Subsection 20E.80.060(47) is hereby added to the Redmond Municipal Code and Community Development Guide to read as follows:

20E.80.060(47) Add to 12.114(c): All exit sign letters shall be green on a contrasting background.

Section 16. A new Subsection 20E.80.060(70) is hereby added to the Redmond Municipal Code and Community Development Guide to read as follows:

20E.80.060(70) Add to 82.105(c): Portable containers used for LPG, propane or similar gas of 15 gallons or less may be used inside of buildings with the approval of the Chief. Such a tank, all tubing, fittings, etc. shall be legibly and clearly labeled, secured against physical damage, maintained in a safe condition and used according to safe practices.

Section 17. A new Subsection 20E.80.090(35) is hereby added to the Redmond Municipal Code and Community Development Guide to read as follows:

20E.80.090(35) Non-conforming Buildings: Except as provided in the Uniform Fire Code, Section 1.103(b) requirements for non-conforming uses and structures shall be as provided in Chapter 20F.10 of the Redmond Community Development Guide.

Section 18. The following Subsections of the Redmond Municipal Code and Community Development Guide are hereby deleted:

20E.80.060(50)
20E.80.060(60)
20E.80.090(05)

Section 19. If any section, sentence, clause or phrase of this ordinance should be held to be invalid or unconstitutional by a court of competent jurisdiction, such invalidity or unconstitutionality shall not affect the validity or constitutionality of any other section, sentence, clause or phrase of this ordinance.

Section 20. This ordinance or a summary thereof shall be published in the official newspaper of the City, and shall take effect and be in full force thirty (30) days after the date of publication.

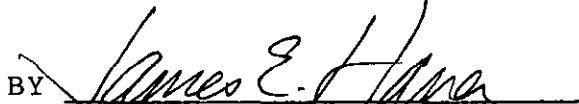
CITY OF REDMOND


MAYOR DOREEN MARCHIONE

ATTEST/AUTHENTICATED:


CITY CLERK, DORIS SCHAUBLE

APPROVED AS TO FORM:
OFFICE OF THE CITY ATTORNEY:

BY 

FILED WITH THE CITY CLERK:	June 12, 1986
PASSED BY THE CITY COUNCIL:	June 17, 1986
PUBLISHED:	June 22, 1986
EFFECTIVE DATE:	July 22, 1986
ORDINANCE NO. <u>1321</u>	