

ORIGINAL

ORDINANCE NO. 2014

AN ORDINANCE OF THE CITY OF REDMOND, WASHINGTON, AMENDING TITLE 20E OF THE REDMOND MUNICIPAL CODE AND COMMUNITY DEVELOPMENT GUIDE IN ORDER TO ADOPT ALL UNIFORM BUILDING, FIRE AND CONSTRUCTION CODES AS REQUIRED BY THE STATE OF WASHINGTON, IN ORDER TO PROVIDE FOR LOCAL AMENDMENT OF SUCH CODES, AND IN ORDER TO ADOPT CITY STANDARDS FOR MOVING BUILDINGS THROUGH THE CITY; AMENDING CHAPTER 20E.20 OF THE REDMOND MUNICIPAL CODE AND COMMUNITY DEVELOPMENT GUIDE TO ADOPT THE 1999 NATIONAL ELECTRICAL CODE EFFECTIVE UPON ADOPTION OF THE SAME BY THE STATE BUILDING CODE COUNCIL; AMENDING SUBSECTION 20F.20.200(3) OF THE REDMOND MUNICIPAL CODE AND COMMUNITY DEVELOPMENT GUIDE IN ORDER TO PROVIDE THAT ADMINISTRATIVE INTERPRETATIONS OF THE BUILDING OFFICIAL MAY BE APPEALED TO THE HEARING EXAMINER; AND PROVIDING FOR SEVERABILITY AND ESTABLISHING AN EFFECTIVE DATE.

WHEREAS, RCW 19.27.031 requires that all cities and towns enforce the most current addition of certain uniform codes adopted by the State Building Code Council, and

WHEREAS, the Building Code Council has adopted the 1997 Editions of the Uniform Building Code, Uniform Fire Code, Uniform Plumbing Code, and Uniform Mechanical Code, as published by the International Conference of Building Officials, the International Fire Code Institute, and the International Association of Plumbing and Mechanical Officials, together with certain amendments thereto, and

WHEREAS, the Building Code Council will be adopting the 1999 National Electrical Code in the first quarter of 1999, and

WHEREAS, the Planning Commission held a public hearing on adoption of the

new codes and on other proposed amendments contained in this Ordinance on December 16, 1998, and has recommended approval of the codes and amendments to the City Council, and

WHEREAS, the City Council has determined that the Community Development Guide should be updated to adopt the new codes and to reflect the amendments set forth in this Ordinance, NOW, THEREFORE,

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

Section 1. Title 20E Amended. Title 20E of the Redmond Municipal Code and Community Development Guide is hereby amended to read as set forth on Exhibit A attached hereto and incorporated herein by this reference as if set forth in full. New language which is added is underlined and language to be deleted is struck through.

Section 2. Section 20E.20 Amended - Delayed Effective Date. Upon adoption of the 1999 National Electric Code by the State of Washington, Section 20E.20 of the Redmond Municipal Code and Community Development Guide shall be amended to read as set forth in Exhibit C attached hereto and incorporated herein by this reference as if set forth in full. New language which is added is underlined and language to be deleted is struck through.

Section 3. Appeals of Interpretations by Building Official. Subsection 20F.20.200(3) of the Redmond Municipal Code and Community Development Guide is hereby amended to read as set forth on Exhibit B attached hereto and incorporated herein by this reference as if set forth in full. New language which is added is underlined and language to be deleted is struck through.

Section 4. Severability. 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 5. Effective Date. This ordinance, being an exercise of a power specifically delegated to the City legislative body, is not subject to referendum, and shall take effect five (5) days after passage and publication of an approved summary thereof consisting of the title, provided that the amendments to Chapter 20E.20 set forth in Section 2 shall become effective upon adoption of the 1999 National Electric Code by the State.

CITY OF REDMOND



Mayor ProTem, Richard G. Cole
for MAYOR ROSEMARIE IVES

ATTEST/AUTHENTICATED:


CITY CLERK, BONNIE MATTSON

APPROVED AS TO FORM:
OFFICE OF THE CITY ATTORNEY:

By: 

FILED WITH THE CITY CLERK:
PASSED BY THE CITY COUNCIL:
SIGNED BY THE MAYOR:PROTEM
PUBLISHED:
EFFECTIVE DATE:
ORDINANCE NO. 2014

January 28, 1999
February 2, 1999
February 3, 1999
February 6, 1999
February 11, 1999

Exhibit A

~~20E Building and Construction Codes~~

~~20E.10 Building~~

~~20E.20 Electrical~~

~~20E.30 Moving and Remodeling~~

~~20E.40 Housing~~

~~20E.50 Energy~~

~~20E.60 Mechanical~~

~~20E.70 Plumbing~~

~~20E.80 Ventilation and Indoor Air Quality~~

~~20E.90 Clearing, Grading, and Storm Water Management~~

~~20E.100 Fire~~

20E.10 Building

20E.10.10 Building Code.

20E.10.10-010 Short Title.

20E.10.10-020 Adoption.

20E.10.10-030 Deletions.

20E.10.10-040 Amendments.

20E.10.10-050 Additions.

20E.10.10-060 Application for Permit.

20E.10.10-070 Penalties for Violations.

20E.10.10 Building Code.

20E.10.10-010 Short Title.

This chapter and amendments hereto shall constitute the "Building Code" of the City and may be cited as such. (Formerly 20E.10.010)

20E.10.10-020 Adoption.

The Uniform Building Code, 1994-1997 Edition, and the Uniform Building Code Standards, 1994-1997 Edition, both as published by the International Conference of Building Officials, one copy each of which is on file with the office of the City Clerk for public inspection, with the additions, deletions and exceptions as set forth in Chapter 51-3040 WAC, as the same now exists or as hereafter amended, are hereby adopted by this reference and incorporated herein as if set forth in full as the Building Code for the City of Redmond, except such portions as may be deleted, modified or amended by this chapter. ~~The Appendices to the Uniform Building Code and Standards are expressly not adopted, however,~~ The Building Official may use the same appendices to the Uniform Building Code for guidance in interpreting and administering the Uniform Building Code and the provisions of this chapter. Further, the following appendix chapters are specifically adopted: Appendix A15 (Reroofing), A31, Division II (Membrane Structures), A31, Division III (Patio Covers). (Ord. 1926. Formerly 20E.10.020)

20E.10.10-030**Deletions.**

The following sections of the Uniform Building Code, ~~1994~~ 1997 Edition, are hereby deleted:

1. Board of Appeals, Section 105
2. Roofs, Footnote 1, 2 and 4 of Table 15A.
3. Appendix Chapter 33, Excavation and Grading. (Ord. 1926. Formerly 20E.10.030)

20E.10.10-040**Amendments.**

The following sections of the Uniform Building Code adopted by this chapter are hereby amended to read as follows:

(1) Section 102 Uniform Code for the Abatement of Dangerous Buildings.

(a) Adoption. The Uniform Code for the Abatement of Dangerous Buildings issued by the International Conference of Building Officials, 1997 Edition, together with amendments and/or additions thereto, is adopted in its entirety by this reference as the dangerous building code for the city.

(b) Service of notice and order. Section 401.3 of the Uniform Code for the Abatement of Dangerous Buildings is amended to read as follows:

The notice and order and any amended or supplemental notice and/or order shall be served upon the record owner and posted on the property.

The record owner for the purposes of the procedures of this chapter shall be the person listed in the records of the King County Department of Finance for the purposes of mailing real property tax statements. The Building Official shall also serve one copy on each of the following, if known to the Building Official or disclosed from the records of the King County Department of Finance, including the records maintained in relation to the 1% estate excise sales tax: the holder of any mortgage, deed of trust, leasehold, contract purchaser, or contract seller.

The failure of the Building Official to serve any person required herein to be served shall not invalidate any proceedings hereunder as to any other person duly served or relieve any such person from any duty or obligation imposed on him by the provisions of this section.

(c) Report on costs and expenses. Section 901 of the Uniform Code for the Abatement of Dangerous Buildings is amended to read as follows:

Section 901. The Building Official shall keep an itemized account of the expenses incurred by the City in the repair or demolition of any building done pursuant to the provisions of Section 701.3.3 of this Code. Upon the completion of the work of repair or demolition, the Building Official shall prepare and file with the Director of Finance a report specifying the work done, the itemized and total cost of the work, including an administration and collection fee in the amount of two hundred (200) dollars to cover the cost of publication, recording, and service of all notices and the cost incurred by the City in the collection of the assessment or obligation as determine by Section 905 of this Code, a description of the real property upon which the building or structure is or was located, and the names and addresses of the persons entitled to notice pursuant to Section 401.3.

(d) Collection of assessment. Section 909 of the Uniform Code for the Abatement of Dangerous Buildings is amended to read as follows:

A copy of the ordinance confirming the special assessment shall be filed with the City Clerk. A certified copy of said ordinance shall be recorded with the King County

Department of Elections and Records. The Director of Finance or their designee upon receipt of said ordinance shall proceed to collect the special assessment in the same manner as local improvement district assessments, including installments thereof, are collected; provided however, that the thirty days' prepayments notice need not be published but shall be mailed to the owner of record.

(e) Deletions. Section 910 of the Uniform Code for Abatement of Dangerous Buildings is hereby deleted.

(2) Section 105, Board of Appeals is deleted in its entirety and replaced by RCDG Section 20F.20.200, or its successor. All decisions or determinations made by the Building Official related to the application of the requirements of the Uniform Building Code may be appealed under the provisions of RCDG 20F.20.200. Such provisions of this section shall not preclude the Building Official from convening a code advisory body comprised of members who are qualified by experience and training to pass on matters pertaining to building construction.

(43) Section 304107 Fees. Building permit fees shall be paid pursuant to the schedule of fees adopted in accord with RCDG Title 20.

(24) Section 310.2.2.

Section 310.2.2 Special provision. Group R, Division 1 occupancies shall be of not less than one-hour fire-resistive construction throughout between units. Dwelling units shall be separated with an approved fire-resistive separation wall in the attic space extending from the top of the wall to the sheathing on the underside of the roof.

Stairways in all Type V, R-1 buildings shall be of either non-combustible materials, one-hour fire-resistive protective materials or of heavy timber sized materials as in Section 605 (with four-inch nominal thick materials).

Exterior balconies extending beyond the floor area as defined in Section 407705 shall be constructed of non-combustible materials or of combustible one-hour fire-resistive construction or of heavy timber construction as required per Section 605.

(35) Type IV Construction Stairs. Stairs, when constructed of wood, shall be constructed with wood treads and risers of not less than nominal four inch thickness or may be constructed as required in Type I buildings. Stair stringers shall be a minimum of four inches in thickness and not less than 10 inches in depth. (Ord. 1926. Formerly 20E.10.040)

20E.10.10-050 Additions.

The following additions to the Building Code for the City of Redmond are hereby adopted to read as follows:

(1) Residential Fireplace and Chimney Construction Standards. The "Residential Fireplace and Chimney Construction Standards," published by the Masonry Institute of Washington, is adopted by reference and incorporated herein as if fully set forth at length herein. One copy of the standards have been filed and will be kept on file in the office of the City Clerk for use and examination by the public. These standards are intended to supplement Chapter 37, Masonry or Concrete Chimneys, Fireplaces and Barbecues, and to provide for an alternate to the provisions therein stated. In administering the Building Code, the department of planning shall apply these standards in conjunction with the provisions of Sections 3102.7, 3102.7.1, 3102.7.2, and 3102.7.3 to provide alternate methods of construction.

(2) Zero Clearance Fireplaces. If zero clearance fireplaces are used, they shall be installed on a non-combustible floor surface. If the chimneys are installed in a shaft (not on the "exterior" of the building) it shall be lined (inside and outside) with half-inch

~~"type X" gypsum board, properly cut to tightly fit the shaft, fire taped and securely nailed or screwed to the structure.~~

~~Exception: If the shaft is on the exterior of the building, the common wall between dwelling unit and the shaft shall be protected (both sides) with half-inch "type X" gypsum board, fire taped and securely nailed or screwed to the structure.~~

(31) Occupancies Prohibited. No Group H, Division 1 occupancies as defined in Section 307 of the Uniform Building Code shall be permitted.

Exception: A Group H, Division 1 or 5 occupancy may be allowed when otherwise approved by the Fire Chief and the Building Official.

~~(4) Building Security Code. The following requirements shall apply to all multi-family dwelling units, hotels and motels, provided that nothing in this chapter shall be construed to relieve any party from compliance with the Uniform Building Code and the Uniform Fire Code:~~

~~(a) Entrance doors to individual housing units shall be without glass openings and shall be capable of resisting forcible entry equal to a wood, solid core door, one and three-fourths inches thick. This subsection shall apply in a structure constructed after the effective date of the ordinance codified in this chapter. Any door replaced in existing structures must comply with this section.~~

~~(b) Every entrance door to an individual housing unit shall have a keyed, single-cylinder, one-inch deadbolt lock. The lock shall be so constructed that the deadbolt lock may be opened from the inside without use of a key. In hotels and motels, every entrance door to an individual unit shall also be provided with a chain door guard or barrel bolt on the inside.~~

~~(c) Every entrance door to an individual apartment, hotel or motel unit shall have a visitor observation port, which port shall not be in excess of one-half inch in diameter and which shall provide the individual on the inside of the unit a 180° view outside the entrance of that unit.~~

~~(d) In all multi-family dwelling units, lock mechanisms and keys shall be changed upon a change of tenancy.~~

~~(e) All exit doors shall be openable from the interior without the use of a key or any special knowledge or effort.~~

~~(f) Deadbolts or other approved locking devices shall be provided on all sliding patio doors which are less than one-story above grade or are otherwise accessible from the outside. The lock shall be installed so that the mounting screws for the lock cases are inaccessible from the outside.~~

~~(g) Subject to approval by the Chief of Police and Building Official, locking devices may be substituted for those required in this section, provided such devices are of equal capability to resist illegal entry, and further provided that the installation of the same does not conflict with other requirements of this code and other ordinances regulating safety for exits. (Ord. 1926. Formerly 20E.10.050)~~

20E.10.10-060 Application for Permit.

Determinations of whether a building permit application is complete for purposes of administering RCDG Title 20F shall be made by the Building Official, and shall be based upon the Uniform Building Code as adopted. (Ord. 1734. Formerly 20E.120.025)

20E.10.10-070 Penalties for Violations.

Any person violating any of the provisions of this chapter and Section 1034 of the Uniform Building Code shall be punished as provided in RMC 1.01.110 or Chapter 1.142 of the Redmond Municipal Code. (Ord. 1926. Formerly 20E.10.060)

~~20E.20 Electrical~~

~~20E.20.10 Electrical Code.~~

~~20E.20.10-010 Short Title.~~

~~20E.20.10-020 Adoption.~~

~~20E.20.10-030 Deletions.~~

~~20E.20.10-040 Permits Required.~~

~~20E.20.10-050 Electrical Permit Fees.~~

~~20E.20.10-060 Enforcement.~~

~~20E.20.10-070 Penalties for Violations.~~

~~20E.20.10 Electrical Code.~~

~~20E.20.10-010 Short Title.~~

~~This chapter and amendments hereto shall constitute the "Electrical Code" of the City and may be cited as such. (Formerly 20E.20.010)~~

~~20E.20.10-020 Adoption.~~

~~The National Electrical Code, current edition, as specified by WAC 296-46-110, published by the National Fire Protection Association, one copy of which has been and is now on file with the office of the City Clerk for inspection by the public, is hereby adopted as the City Electrical Code by this reference and is incorporated herein as if set forth in full except as to such portions as may be deleted, modified or amended by the provisions of this chapter, if any. (Formerly 20E.20.020)~~

~~20E.20.10-030 Deletions.~~

~~There are no deletions from the Electrical Code. (Formerly 20E.20.030)~~

~~20E.20.10-040 Permits Required.~~

~~No person, firm or corporation shall install or use electric conductors and equipment installed in any building or structure or other premises to which the Electrical Code applies without first obtaining a separate electrical permit for each such installation from the building official of the City. The application and issuance of electrical permits shall be governed by Section 106 of the Building Code of the City adopted by RCDG 20E.10.10-020, insofar as they can be applied to electrical installations. (Ord. 1926. Formerly 20E.20.050)~~

~~20E.20.10-050 Electrical Permit Fees.~~

~~A fee for each electrical permit shall be paid to the building official pursuant to the schedule of fees adopted in accord with RCDG Title 20F. Where work for which a permit is required by this code is started or proceeded with prior to obtaining the permit, the fees specified shall be doubled, but the payment of such doubled fee shall not relieve any persons from fully complying with the requirements of this code in the execution of the work nor from any other penalties prescribed herein. (Formerly 20E.20.060)~~

~~20E.20.10-060 Enforcement.~~

~~The provisions of the Electrical Code shall be enforced by the building official and for such purpose he shall have the powers of a police officer; provided, that the City may contract with the State Electrical Inspection Division of the Department of Labor and Industries of the State for the enforcement and application of this code to certain installations and use, in which event its officers, agents and inspectors shall have the powers and authority of the building official and his deputies. The enforcement of the Electrical Code shall be governed by Section 104 of the Building Code of the City adopted by this chapter insofar as the same can be applied to electrical installations and use. (Ord. 1926. Formerly 20E.20.070)~~

~~20E.20.10-070 Penalties for Violations.~~

~~Any person violating any of the provisions of this chapter and the Electrical Code hereby adopted shall be punished as provided in RMC 1.01.110. (Formerly 20E.20.080)~~

20E.20 Electrical Code.

20E.20-010 Short Title.

This Chapter and amendments hereto shall constitute the "Electrical Code" of the City and may be cited as such.

20E.20.10-020 Adoption.

The National Electrical Code, current edition, as specified by WAC 296-46-090, as said Section currently exists or is hereafter amended, modified, or recodified, the most current edition of Centrifugal Fire Pumps (NFPA 20), National Fire Alarm Code (NFPA 72), Health Care Facilities (NFPA 99) and Emergency and Standby Power Systems (NFPA 110) published by the National Fire Protection Association, one copy of which has been and is now on file with the office of the City Clerk for inspection by the public, is hereby adopted as the City Electrical Code by this reference and is incorporated herein as if set forth in full except as to such portions as may be deleted, modified or amended by the provisions of this chapter, if any.

20E.20-030 Deletions.

There are no deletions from the National Electrical Code.

20E.20-040 Amendments.

The following Articles of the National Electrical Code adopted by this chapter are hereby amended to add the following:

20E.20-040(10) Article 210 Ground Fault Circuit Interrupter Protection for Personnel (GFCI)-

All 125-volt single phase, 15 and 20-ampere receptacles installed outside of buildings or within six (6) feet of a sink shall have GFCI protection.

Exception: A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that in normal use is not easily moved from one place

to another, and that is cord and plug-connected in accordance with Section 400-7(a)(6), (a)(7), or (a)(8).

20E.20-040(15) Article 210-C Required Outlets.

In all new work in non-residential buildings a minimum of one duplex receptacle shall be installed in each room or office.

Exceptions:

- 1) Restrooms
- 2) Rooms used exclusively for storage.
- 3) Subject to the approval of the building official, other areas where receptacles are unlikely to be needed.

20E.20-040 (20) Article 230 Service Entrance Conductors and Service Equipment.

Service entrance conductors shall be installed in the following manner:

- 1) Minimum coverage shall be 24 inches below finished grade.
- 2) Where current limiters are permitted, they shall be installed in an approved enclosure, and be labeled "Current Limiters".
- 3) In other than single family dwellings, the capacity of installed conductors shall be labeled on the service distribution equipment when not of the same ampacity.
- 4) Single family dwellings may be served with approved direct burial cable provided such cable shall be sleeved under paving, and installed to conform to Sections 230 (d) and 300-5 of the National Electrical Code.

20.E.20-040 (25) Article 250 Methods of Grounding.

All required grounding shall be fully installed and visible at the time of the rough in inspection.

1) Grounding Electrode Systems:

a) All electrical services for new buildings or structures shall have a concrete encased electrode installed complying with NEC 250-81(c). The grounding electrode system inspection shall be conducted with the footing inspection before the placement of concrete. Concrete encased electrodes shall be inspected and approved prior to the placing of concrete.

b) Article 250-83 Made and Other Electrodes.

i) When two rod and pipe electrodes are installed they shall be installed not less than 16 feet apart.

ii) Electrodes placed horizontally in a trench, and plate electrodes, shall not be approved without written approval from the Building Official of the City.

Exception: Temporary services shall be permitted to have only one made electrode.

2) Equipment Grounding:

a) Flexible metal conduit and liquidtight flexible metal conduit shall contain an equipment grounding conductor sized per Article 250-95.

20E.20-040(30) Article 305 Temporary Installations.

If the Building Official of the City finds that the safety of life and property will not be jeopardized, permits may be issued for temporary electrical installations for use during constructions of buildings or for carnivals, conventions, festivals, fairs, the holding of religious services, temporary lighting of streets, or other approved uses. Permission to

use such temporary installation shall not be granted for a greater length of time than 45 days, except that a permit for a temporary installation to be used for construction of a building may be issued for the period of construction. Should such temporary lighting be over the street area, the proper authorization for such use of the street must first be obtained. All such temporary installations shall be made in a manner as nearly as practicable in conformance with the requirements of this code for permanent work; provided that the Building Official of the City may permit deviations which will not permit hazards to life or property; and further provided that whenever such hazards are deemed by the building official to exist, the Building Official of the City may at once rescind or cancel the permit covering such installation and disconnect, or order the disconnection of all electrical energy to such equipment.

20E.20-040(35) Chapter Three-Wiring Methods.

All premises shall be wired with approved raceways or metal-clad cable. Metal-clad cable shall not be smaller than #14 AWG copper, with an equipment grounding conductor contained within the outer jacket, and used only with approved fittings.

Exceptions:

- 1) Residential installations as allowed by the National Electrical Code.
- 2) Installations under Articles 720, 725, 760, 770, 800, 810 and 820 of the National Electrical Code, when installed with approved materials.

20E.20-040(40) Unused Conductors.

Electrical conductors not in use shall be removed unless otherwise authorized by the Building Official of the City.

20E.20-050 Permits Required.

No electrical system regulated by this code shall be installed, altered, repaired, replaced or remodeled unless a separate electrical permit for each building or structure has first been obtained from the Building Official of the City. The application and issuance of electrical permits shall be governed by Section 106 of the Uniform Building Code, or its successor, adopted by RCDG 20.E.10-020, insofar as they can be applied to electrical installations. The electrical permit shall be posted on the job site and remain on the job site during the entire course of work.

20E.20-050(10) Inspections.

- 1) The installation, alteration or extension of any electrical system, fixtures or components for which an electrical permit is required by this code shall be subject to inspection by the Building Official of the City and such electrical systems, fixtures and components shall remain accessible and exposed for inspection purposes until approved by the Building Official of the City. It shall be the duty of the permit applicant to cause the electrical systems to remain accessible and exposed for inspection purposes. The City shall not be liable for any expense entailed in the removal or replacement of material required to permit inspection. When the installation of an electrical system is complete, an additional final inspection shall be required to be made. Electrical systems and equipment regulated by the National Electrical Code shall not be connected to the energy source until authorized by the Building Official of the City.
- 2) The Building Official of the City may require special inspection of equipment or wiring methods where the installation requires special training, equipment, expertise,

knowledge, or other such factors. Where such special inspection is required, it shall be performed by an independent third party acceptable to the Building Official of the City. The special inspection person/agency shall be designated and approved prior to beginning the installation of wiring or equipment. A written report from the designated special inspection agency indicating that the installation conforms to the appropriate codes and standards shall be received by the Building Official of the City prior to the installation being approved. All costs for such testing and reporting shall be the responsibility of the permit holder.

20E.20-050(15) Violations Prohibited.

Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of the National Electrical Code or other laws or ordinances of the City. Inspections presuming to give authority to violate or cancel provisions of the National Electrical Code or other laws or ordinances of the City shall not be valid.

20E.20-050(20) Electrical Plan Review.

Electrical plan review shall be required for all electrical plans for new or altered electrical installations in educational, institutional, and health or personal care occupancies classified or defined in WAC 296-46-130 and as indicated in WAC 296-46-140. In addition electrical plan review shall be required for other electrical installations as determined by the Building Official of the City.

20E.20-050(25) Plans and Specifications.

The Building Official of the City shall determine the requirements for the submission of electrical plans and specifications necessary for electrical plan review.

20E.20-050(30) Work Exempt from Electrical Permit Requirements.

An electrical permit shall not be required for the following:

- 1) Portable motors or other portable appliances energized by means of a cord or cable having an attachment plug end to be connected to an approved receptacle when that cord or cable is permitted by the National Electrical Code.
- 2) Repair or replacement of fixed motors, transformers or fixed approved appliances or devices rated 50 amperes or less with the same type and rating in the same location.
- 3) Temporary decorative lighting.
- 4) Repair or replacement of current-carrying parts of any switch, conductor or control device of up to 100 amperes capacity.
- 5) Reinstallation of attachment plug receptacles, but not outlets therefor.
- 6) Repair or replacement of any over current device of the required capacity in the same location.
- 7) Repair or replacement of electrodes or transformers of the same size and capacity for signs or gas tube systems.
- 8) Removal of electrical wiring.
- 9) Temporary wiring for experimental purposes in suitable experimental laboratories.
- 10) Replacing flush or snap switches, fuses, lamp sockets, receptacles, or ballast

20E.20-050(35) Violations Prohibited.

Exemption from the permit requirements of Section 20E.20-050(30) shall not be deemed to grant authorization for work to be done in violation of the provisions of the National Electrical Code or other laws or ordinances of the City.

20E.20-060 Electrical Permit Fees.

A fee for each electrical permit shall be paid to the City pursuant to the schedule of fees adopted in accord with RCDG Title 20F. Where work for which an electrical permit is required by this code is started or proceeded with prior to obtaining the permit, the penalties specified in RMC Section 1.01.110 and Chapter 1.14 shall be added to the permit fee. The payment of such increased fee shall not relieve any persons from fully complying with the requirements of this code in the execution of the work nor from any other penalties prescribed herein.

Exception: In cases of emergency repairs to existing electrical systems, this penalty will not be charged if the electrical permit is obtained no later than the business day following completion of the emergency repair.

20E.20-070 Enforcement.

The enforcement of the electrical code shall be governed by Section 104 of the Uniform Building Code, or its successor, adopted by Chapter 20E.10-010, insofar as the same can be applied to electrical installation and use.

20E.20-080 Penalties for Violations.

Any person violating any of the provisions of this chapter and the electrical code hereby adopted shall be punished as provided in Section 1.01.110 and Chapter 1.14 of the Redmond Municipal Code.

20E.30.10 Moving Buildings.

20E30.10-010 Purpose and scope of chapter.

It is the purpose of this chapter to establish standards, including minimum requirements for the moving of all buildings and other structures within the corporate limits of the city, and to provide for the issuance of a permit, collection of various fees, and inspectional services for all such movements.

20E.30.10-020 Definitions.

Definitions as used in this chapter, unless their context otherwise indicates, shall be as follows:

- (1) "Building" means and includes every building, house, structure or other like object;
- (2) Classification of Movements:
 - (a) "Class I" move is the movement of any building from an origin outside the city to a destination within the city,
 - (b) "Class II" move is the movement of any building from one point within the city to another point within the city,
 - (c) "Class III" move is the movement of a building from a point within the city to a destination outside the city,

- (d) "Class IV" move is the movement of any building through the city with both an origin and destination outside the city;
- (3) "Housemover" means any person, firm or corporation engaged in the business of moving houses, buildings, structures or other like object;
- (4) "Person" means and includes any person, firm, partnership, association, corporation, company or organization of any kind.

20E.30.10-030 Permit Required.

No person shall move any building over, upon, along or across any public street without a written permit from the city for all such moves as classified and defined in Section 20E.30.10-020.

20E.30.10-040 Permit-Application Information.

Application for a permit shall be furnished by the city. The application for permit shall contain, or have attached thereto the following information:

- (1) Name and address of applicant;
- (2) Location of building to be moved (present address if assigned);
- (3) Location of proposed site to which building is to be moved (include legal description);
- (4) Date and time requested for movement;
- (5) Map or description of requested route to be taken;
- (6) Height, width and length of building to be moved and truck or equipment to be used for moving the building;
- (7) Classification of movement (as defined in Section 20E.30.10-020).

20E.30.10-050 Permit-Application-Deposits and Fees.

- (a) Every applicant before being granted a permit shall pay an application filing fee as defined by the RCDG Title 20F.
- (b) An application hereunder shall be accompanied by the following:
- (1) A cash deposit or corporate surety bond in the sum of ten thousand dollars or such greater amount as the building official determines necessary as indemnity for any damage which the city may sustain by reason of damage or injury to any highway, street or alley, sidewalk or other property of the city, which may be caused by or be incidental to the removal of any building over, along or across any street in the city and to indemnify the city against any claim of damages to persons or private property;
- (2) A public liability insurance policy providing two hundred fifty thousand dollars or such greater amount as the building official determines necessary to satisfy any claim by private individuals, firms, or corporations arising out of, caused by, or incidental to the moving of any building over, along, or across any street in the city; and
- (3) A cash deposit or a corporate surety performance bond in the sum of five thousand dollars or such greater amount as the building official determines necessary conditioned upon permittee, within six months from the date of the issuance of such permit (A) completing the construction, painting and finishing of the exterior of the building, and, (B) faithfully complying with all requirements of this chapter, the building code, the zoning ordinance, the other ordinances then in effect within the city including but not limited to permittee completing such work within six months to the date of the issuance of such permit. In the event the provisions of this subsection are not complied with within the time specified, and sum of five thousand dollars shall be forfeited to the

city as a penalty for the default, and this shall be in addition to any other penalties provided for failure to comply within the terms of this chapter.

20E.30.10-060 Permit-Conditions for Granting.

As a condition of securing the permit for a Class I or II move:

- (1) The permittee shall furnish the city with a set of plans and specifications for the completed building to include a plot plan prepared by a registered engineer or land surveyor from the state of Washington showing in detail the placement of the proposed structure upon the lot within the city; and
- (2) The permittee shall, prior to making application for such permit or within ten days after making such application cause all of the interior or exterior walls, ceiling or flooring to be removed to such extent as may be necessary to permit the building official, or their designee, to examine the materials and type of construction of such building to ascertain whether it will comply with the existing building code and other applicable ordinances in the city; and

20E.30.10-070 Special Requirements.

- (a) Escort. For Class I, II, III and IV moves, the housemover shall provide at least two off-duty police officers or other appropriate agency employees, which provide an escort service for the purpose of regulating traffic along the route such building is being moved, provided that any such police or special agency escort shall be at the expense of the housemover in addition to any other fees or deposits heretofore required. No variances of the provisions of the permit shall be permitted by the escort.
- (b) Time. Time of the movement shall be designated by the city. Every such permit shall become and be void unless such removal shall be completed and the building removed from the public right-of-way within the time specified in the application for such permit; provided, however, that the city may extend such time when the moving of any building is rendered impractical by reason of inclemency of the weather, strikes, or other causes not within the control of the housemover.
- (c) Lights. No person moving any building over, upon, along or across any public street shall fail, neglect or refuse to keep a red light (or such other devices as the city may require) at all times at each corner of such building and at the end of any projection thereon while the same is located in or upon any public street.
- (d) Notice to Utilities. Before any building shall be moved the housemover shall give written notice to the public utilities or agencies designated in the application not less than three days in advance of the proposed move.
- (e) Condition of Lot. After the completion of any Class II or III move the area or lot upon which the structure was formerly located shall be cleaned up and satisfactorily graded; the sanitary sewer connection, if one exists shall be plugged and marked; the water meter shall be removed and the line satisfactorily capped and marked; the electrical and telephone lines removed; and all trash removed therefrom to the satisfaction of the building official.

~~20E.30 Moving and Remodeling~~

~~20E.30.10 — Moving and Remodeling Code.~~

~~20E.30.10-010 Requirements.~~

~~20E.30.10-020 Application.~~

~~20E.30.10-030 Deposit for Expense of City.~~

~~20E.30.10-040 General Deposit.
20E.30.10-050 Securing Permit.
20E.30.10-060 Inspection by Building Superintendent.
20E.30.10-070 Standards for Issuance.
20E.30.10-080 Police Department to Designate Street for Removal.
20E.30.10-090 Duties of Permittee.
20E.30.10-100 Enforcement.
20E.30.10-110 Moving Through the City.
20E.30.10-120 Penalties for Violation.~~

~~20E.30.10 Moving and Remodeling Code.~~

~~20E.30.10-010 Requirements.~~

~~No person, corporation, firm or organization shall move any building over, along or across any highway, street or alley in the City without first obtaining a permit. (Formerly 20E.30.010)~~

~~20E.30.10-020 Application.~~

~~Application for such permit shall be made on forms to be provided by the City, and shall be accompanied by a permit fee of \$75.00. (Formerly 20E.30.020)~~

~~20E.30.10-030 Deposit for Expense of City.~~

~~Upon receipt of an application, an estimate of the expense that will be incurred in replacing any property of the City, the removal and replacement of which will be required by reason of the moving of the building through the City including the cost of materials used, should be prepared. Prior to the issuance of the permit the applicant shall be required to deposit a sum of money equal to twice the amount of the estimated expense. (Formerly 20E.30.030)~~

~~20E.30.10-040 General Deposit.~~

~~An application hereunder shall be accompanied by:~~

- ~~(1) A cash deposit or corporate surety bond in the sum of \$2,000 as indemnity for any damage which the City may sustain by reason of damage or injury to any highway, street, or alley, sidewalk or other property of the City, which may be caused by or be incidental to the removal of any building over, along or across any street in the City; and~~
- ~~(2) A public liability insurance policy naming the City of Redmond as an additional insured, providing \$200,000 to satisfy any claim by private individuals, firms or corporations arising out of, caused by or incidental to the moving of any building over, along, or across any street in the City; and~~
- ~~(3) A cash deposit or corporate surety performance bond in the sum of \$2,000 conditioned upon the permittee, within six months from the date of the issuance of such permit:~~
 - ~~(a) Completing the construction, painting and finishing of the exterior of the building; and~~
 - ~~(b) Faithfully complying with all requirements of this chapter, Building Code, and the other ordinances then in effect within the City, including but not limited to permittee completing such work within six months from the date of the issuance of such permit.~~

~~— In the event the provisions of subsection (3) of this section are not complied with within the time specified, the sum of \$2,000 shall be forfeited to the City as a penalty for~~

~~the default and this shall be in addition to any other penalties provided for failure to comply with the terms of this chapter. (Formerly 20E.30.040)~~

~~20E.30.10-050 Securing Permit.~~

~~As a condition of securing the permit:~~

- ~~(1) The permittee shall furnish the City with a set of plans and specifications for the completed building; and~~
- ~~(2) The permittee shall, prior to making any application for such permit, or within 10 days after making such application, cause all of the interior or exterior walls, ceiling or flooring to be removed to such extent as may be necessary to permit the Inspector to examine materials and type of construction of such building to ascertain whether it will comply with the existing Building Codes and ordinances of the City. (Formerly 20E.30.050)~~

~~20E.30.10-060 Inspection by Building Superintendent.~~

~~The Building Superintendent shall inspect the building and the applicant's equipment to determine whether the standard for issuance of a permit are met. (Formerly 20E.30.060)~~

~~20E.30.10-070 Standards for Issuance.~~

~~The Building Superintendent shall refuse to issue a permit if it is found:~~

- ~~(1) That any application requirement of any fee or deposit requirement has not been complied with;~~
- ~~(2) That the building is too large to move without endangering persons or property in the City;~~
- ~~(3) That the building is in such a state of deterioration or disrepair or is otherwise so structurally unsafe that it could not be moved without endangering persons and property in the City;~~
- ~~(4) That the building is structurally unsafe or unfit for the purpose for which moved, if the removal location is in the City;~~
- ~~(5) That the applicant's equipment is unsafe and that persons and property would be endangered by its use;~~
- ~~(6) That zoning or other ordinances would be violated by the building in its new location;~~
- ~~(7) After consultation with the City Technical Committee that the building, when relocated and completed, will not be compatible with the district in which located. Compatible shall mean similar to, equal, or commensurate with existing development in the immediate affected vicinity in such matters as:~~
 - ~~(a) Building height; i.e., in areas of all one-story buildings, the relocated building should be a one-story building; if the affected vicinity is all two-story buildings the relocated building should be two stories.~~
 - ~~(b) Finish materials; i.e., in an area with all buildings finished in brick or all white painted siding, the relocated building should be finished in the same material if possible or in something similar so that the relocated building will not stand out or look out of place.~~
 - ~~(c) Architecture; i.e., in an area of all contemporary modern buildings, a relocated building should be contemporary; if the affected vicinity is all New England Colonial or all English Tudor or all Western Log Cabin, the relocated building should be of the same architectural style.~~

- (d) ~~Site development; i.e., in an area of sites all developed in open and contiguous lawns the relocated building site should be in an open lawn; if the affected vicinity is developed in intense shrub and tree plantings, or in yard fences and paving the relocated building site should be so developed.~~
- (e) ~~Age; i.e., a building of such age or character that the brand of its era cannot be erased by remodeling should not be permitted to move into an area that will suffer property devaluation as a result of the relocated building.~~
- (f) ~~Value; i.e., a relocated building should be reasonably commensurate in dollar value with the buildings in the affected vicinity.~~
- (g) ~~In an area or vicinity that has only some established standards or characteristics, such as are listed above, and is mixed to a degree itself, only those characteristics which are clearly established as standards in the existing buildings of the vicinity shall be used to judge the merit or demerit of a proposed relocated building.~~
- (h) ~~The area or immediate affected vicinity to be considered in judging the impact of a proposed relocated building shall be that area which is visually connected and related to the relocated building site;~~
- (8) ~~That for any other reason persons or property in the City would be endangered by the moving of the building. (Formerly 20E.30.070)~~

~~20E.30.10-080 Police Department to Designate Street for Removal.~~

~~The Redmond Police Department shall designate the streets over which the building may be moved and the time at which it may be moved. In making their determinations the Police Department shall act to assure maximum safety to persons and property in the City and to minimize congestion and traffic hazards on public streets. (Formerly 20E.30.080)~~

~~20E.30.10-090 Duties of Permittee.~~

~~Every permittee under this chapter shall:~~

- (1) ~~Use designated streets: Move a building only over streets designated for such use in the written permit.~~
- (2) ~~Notify of revised moving time: Notify the Police Department in writing of a desired change in moving date and hours as proposed in the application.~~
- (3) ~~Notify of damage: Notify the Police Department in writing of any and all damage done to property belonging to the City within 24 hours after the damage or injury has occurred.~~
- (4) ~~Display lights: Cause red lights to be displayed during the night time on every side of the building while standing on a street, in such manner as to warn the public of the obstruction, and shall at all times erect and maintain barricades across the streets in such manner as to protect the public from damage or injury by reason of removal of the building.~~
- (5) ~~Street occupancy period: Remove the building from the City streets after four days of such occupancy, unless an extension is granted by the Building Superintendent.~~
- (6) ~~Pay expenses of officer: Pay the expense of a traffic officer, if required, to accompany the movement of the building to protect the public from injury.~~
- (7) ~~Clear old premises: If relocating within the City limits, remove all rubbish and materials and fill all excavations to existing grade at the original building site so that the premises are left in a safe and sanitary condition. (Formerly 20E.30.090)~~

~~20E.30.10-100 Enforcement.~~

- (1) ~~Enforcing Officers. The Building Superintendent and the Police Department shall enforce and carry out the requirements of this chapter.~~
- (2) ~~Permittee Liable for Expense Above Deposit. The permittee shall be liable for any expense, damages or costs in excess of deposited amounts or securities, and the City Attorney shall prosecute an action against the permittee in a court of competent jurisdiction for the recovery of such excessive amounts.~~
- (3) ~~Original Premises Left Unsafe. The City shall proceed to do the work necessary to leaving the original premises in a safe and sanitary condition, where permittee does not comply with the requirements of this chapter, and the cost thereof shall be charged against the general deposit. (Formerly 20E.30.100)~~

~~20E.30.10-110 Moving Through the City.~~

~~Except when moved only upon State highways, whenever a building is being moved through the City of Redmond to another destination outside the City of Redmond, a permit must be obtained through Building Official and the fee for such permit is \$50.00. A \$2,500 bond must be posted as indemnity for any damage, injury and/or performance. The route and moving time must be approved by the Redmond Police Department. (Ord. 1926. Formerly 20E.30.110)~~

~~20E.30.10-120 Penalties for Violation.~~

~~Any person violating the provisions of this chapter shall be punished as provided in RMC 1.01.110. (Formerly 20E.30.120)~~

20E.40 Housing

20E.40.10 Housing Code.

20E.40.10-010 Short Title.

20E.40.10-020 Adoption.

20E.40.10-030 Construction.

20E.40.10-040 Penalties for Violation.

20E.40.10__ Housing Code.

20E.40.10-010 Short Title.

This chapter and amendments hereto shall constitute the "Minimum Housing Code" of the City and may be cited as such. (Formerly 20E.40.010)

20E.40.10-020 Adoption.

The Uniform Housing Code, 1994-1997 Edition, as published by the International Conference of Building Officials, one copy of which is on file with the office of the City Clerk for public inspection, is hereby adopted by this reference and incorporated herein as if set forth in full as the minimum Housing Code for the City of Redmond except such portions that may be deleted, modified or amended by this chapter. (Ord. 1926. Formerly 20E.40.020)

20E.40.10-030 Construction.

This chapter shall be administered and enforced in conjunction with other ordinances, laws, rules and regulations relating to minimum requirements for the protection of the health, safety and welfare of the public and the owners and occupants of buildings used for housing, and the provisions of this chapter and other ordinances, laws, rules and

regulations relating to such minimum requirements shall be liberally construed to effect such purposes. (Formerly 20E.40.030)

20E.40.10-040 Penalties for Violation.

Any person violating the provisions of this chapter and Section 204 of the Uniform Housing Code shall be punished as provided by RMC 1.01.110. (Formerly 20E.40.040)

20E.50 Energy

20E.50.10 Washington State Energy Code.

20E.50.10-010 Short Title.

20E.50.10-020 Adoption.

20E.50.10-030 Penalties for Violation.

20E.50.10__ Washington State Energy Code.

20E.50.10-010 Short Title.

This chapter and amendments hereto shall constitute the "Energy Code" of the City and may be cited as such. (Formerly 20E.45.010)

20E.50.10-020 Adoption.

The Washington State Energy Code, Chapter 51-11 WAC, as the same now exists or as the same may be hereafter amended, one copy of which is on file with the office of the City Clerk for public inspection, is hereby adopted by this reference and incorporated herein as if set forth in full as the Energy Code for the City of Redmond except such portions as may be deleted, modified or amended by provisions of this chapter. (Ord. 1926; Ord. 1680. Formerly 20E.45.020)

20E.50.10-030 Penalties for Violation.

Any person violating the provisions of this chapter shall be punished as provided in RMC 1.01.110. (Formerly 20E.45.030)

20E.60 Mechanical

20E.60.10 Mechanical Code.

20E.60.10-010 Short Title.

20E.60.10-020 Adoption.

20E.60.10-030 Deletions.

20E.60.10-040 Amendments.

20E.60.10-045 Permit Fees.

20E.60.10-050 Compliance Required.

20E.60.10-060 Penalties for Violation.

20E.60.10__ Mechanical Code.

20E.60.10-010 Short Title.

This chapter and amendments hereto shall constitute the "Mechanical Code" of the City and may be cited as such. (Formerly 20E.50.010)

20E.60.10-020 Adoption.

The Uniform Mechanical Code, ~~1994~~ 1997 Edition, as published by the International Conference of Building Officials, together with the amendments, modifications and exceptions set forth in Chapter 51-~~3242~~ WAC, one copy of which is now on file with the office of the City Clerk for public inspection, is hereby adopted by this reference and incorporated herein as if set forth in full as the Mechanical Code for the City of Redmond except such portions as may be deleted, modified or amended by provisions of this chapter. (Ord. 1926. Formerly 20E.50.020)

20E.60.10-030 Deletions.

There are no deletions. (Formerly 20E.50.030)

20E.60.10-040 Amendments.

There are no amendments. (Formerly 20E.50.040)

20E.60.10-045 Permit Fees.

Any person desiring a permit required by this code shall, at the time of receiving such permit, pay a fee as specified by the fee schedule adopted pursuant to the Redmond Community Development Guide RCDG Title 20F. (Ord. 1926. Formerly 20E.50.045)

20E.60.10-050 Compliance Required.

From and after the effective date of the ordinance codified in this chapter, compliance with all of the provisions of the Mechanical Code will be required, and it is unlawful to construct, erect, install, alter, repair, relocate, add to, replace, use or maintain heating, heat-producing and ventilating equipment as covered in this code except in conformity therewith, or to use the same except in a manner and under such conditions as to conform with this code. (Formerly 20E.50.050)

20E.60.10-060 Penalties for Violation.

Any person violating or failing to comply with any of the provisions of the Mechanical Code as adopted by this chapter shall, upon conviction thereof, be punished as provided in RMC 1.01.010. (Formerly 20E.50.060)

20E.70 Plumbing

20E.70.10 Plumbing Code.

20E.70.10-010 Short Title.

20E.70.10-020 Adoption.

20E.70.10-030 Amendment.

20E.70.10 Plumbing Code.

20E.70.10-010 Short Title.

This chapter and amendments hereto shall constitute the "Plumbing Code" of the City and may be cited as such. (Formerly 20E.60.010)

20E.70.10-020 Adoption.

The Uniform Plumbing Code, ~~1991~~ 1997 Edition, and the Uniform Plumbing Code Standards, ~~1991~~ 1997 Edition, both as published by the International Association of

Plumbing and Mechanical Officials, together with the amendments, modifications and exceptions adopted in Chapters 51-~~2646~~ and 51-~~2747~~ WAC, one copy of which is now on file with the office of the City Clerk for public inspection, is hereby adopted by this reference and incorporated herein as if set forth in full as the Plumbing Code for the City of Redmond, except such portions as may be deleted, modified or amended by this chapter; provided, that Chapters 11, 12 and those requirements relating to venting of appliances as found in Chapter ~~135~~ are not adopted. (Ord. 1926. Formerly 20E.60.020)

20E.70.10-030 Amendment.

~~Section 20.07 Cost of Permit~~ Section 103.4.1, Permit Fees – Amended. Section 103.4.1~~20.07~~ of Part One of said Uniform Plumbing Code is amended to read as follows:

~~Section 20.07 Cost of Permit~~ 103.4.1 Permit Fees. Every applicant for a permit to do work regulated by the code shall state in writing on the application ~~form provided for that purpose~~, the character of work proposed to be done and the amount and kind of connection ~~therewith, together with such information, pertinent thereto as may be required.~~

Such applicant shall apply for each permit issued at the time of issuance, a fee in accordance with the fee schedule adopted pursuant to RCDG Title 20F.

Any person who shall commence any work for which a permit is required by this code without first having obtained a permit therefor shall, if subsequently permitted to obtain a permit, pay double the permit fee fixed by this section for such work, provided, however, that this provision shall not apply to emergency work when it shall be proved to the satisfaction of the ~~Administrative Authority~~ Building Official, or their designee, that such work was urgently necessary and that it was not practical to obtain a permit therefor before the commencement of the work. In all such cases a permit must be obtained as soon as it is practical to do so, and if there be an unreasonable delay in obtaining such permit, a double fee as herein provided shall be charged.

For the purposes of this section, a sanitary plumbing outlet on or to which a plumbing fixture or appliance may be set or attached shall be construed to be a fixture. Fees for reconnection and retest of existing plumbing systems in relocated buildings shall be based on the number of plumbing fixtures, gas systems, water heaters, etc., involved.

When interceptors ~~traps~~ or house trailer ~~site traps~~ drain connections are installed at the same time as a building side sewer on any lot, no side sewer permit shall be required for the connection of any such ~~trap~~ trap-interceptor or drain connection to an appropriate inlet fitting. This installation is provided in the original building side sewer by the permittee constructing such sewer.

When a permit has been obtained to connect an existing building or existing work to the public sewer or to connect to a new private disposal facility, back filling or private sewage disposal facilities abandoned consequent to such connection is included in the building sewer permit. (Formerly 20E.60.030)

20E.80 Ventilation and Indoor Air Quality

20E.80.10 Ventilation and Indoor Air Quality Code.

20E.80.10-010 Short Title.

20E.80.10-020 Adoption.

20E.80.10__ Ventilation and Indoor Air Quality Code.

20E.80.10-010 Short Title.

This chapter and amendments hereto shall constitute the "Ventilation and Indoor Air Quality Code" of the City and may cited as such. (Ord. 1926. Formerly 20E.65.010)

20E.80.10-020 Adoption.

The Washington State Ventilation and Indoor Air Quality Code, Chapter 51-13 WAC, one copy of which is now on file with the office of City Clerk for public inspection, is hereby adopted by this reference and incorporated herein as if set forth in full as the Ventilation and Indoor Air Quality Code of the City of Redmond. (Ord. 1926. Formerly 20E.65.020)

20E.100 Fire

20E.100.10 Fire Code.

20E.100.10-010 Short Title.

20E.100.10-020 Adoption.

20E.100.10-030 Restrictions.

20E.100.10-040 Amendments.

20E.100.10-050 Deletions.

20E.100.10-060 Fire Detection Systems.

20E.100.10-070 Sprinkler Systems.

20E.100.10-080 Restricted Access Buildings.

20E.100.10-090 New Materials, Processes or Occupancies Which May Require Permits.

20E.100.10-100 Appeals.

20E.100.10-110 Penalties and Enforcement.

20E.100.10-120 Building Permit Issuance and Occupancy.

20E.100.10 Fire Code.

20E.100.10-010 Short Title.

This chapter and amendments hereto shall constitute the Redmond Fire Code and may be cited as such. (Ord. 1926. Formerly 20E.80.010)

20E.100.10-020 Adoption.

The Uniform Fire Code, 1994 1997 Edition, including appendices of Division I-A, B and C; II-A, B, C, D, E, F, G, H, and I; and J; III-C, and D; IV-A, and B; V-A; and VI-A, B, C, D, E, F, and G, H, and I; and the 1994 1997 Edition of Uniform Fire Code Standards including appendix V-A, published by the International Fire Code Institute, together with the amendments, modifications, and exceptions in Chapter 51-3444 and 45 WAC excluding changes to UFC Sections 103, 901, 902, and 7802, in their entirety as the same now exist or as they may be hereafter amended, 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. (Ord. 1926. Formerly 20E.80.020)

20E.100.10-030 Restrictions.

(1) Occupancies Prohibited. No Group H, Division 1 or 5 occupancies as defined in Section 307, Uniform Building Code, ~~1994~~ 1997 Edition, shall be permitted.

Exception No. 1: A Group H, Division 1 occupancy may be allowed when approved by the Chief and the Building Official.

(2) Bulk Plants. Bulk plants referred to in Section 7904.4 of the Uniform Fire Code, ~~1994~~ 1997 Edition, shall be prohibited throughout the City except in areas zoned Manufacturing Park (MP) or Industry (I) pursuant to the City of Redmond Community Development Guide and shall be limited to underground storage only.

(3) Explosives. The limits, referred to in Section 7701.7.42 of the Uniform Fire Code, ~~1994~~ 1997 Edition, in which storage of explosives and blasting agents is prohibited are established throughout the City except where special permits are issued by the Chief and safe storage and handling practice are maintained at all times.

(4) Liquefied Petroleum Gas Storage. The limits referred to in Section 8204.2 of the Uniform Fire Code, ~~1994~~ 1997 Edition, in which bulk storage of liquefied petroleum gas is restricted are established throughout the City limits except areas zoned Manufacturing Park (MP) or Industry (I) pursuant to the Community Development Guide. (Ord. 1926. Formerly 20E.80.040)

20E.100.10-040 Amendments.

The following are modifications or amendments to the Uniform Fire Code, ~~1994~~ 1997 Edition, as adopted in RCDG 20E.100.10-020 and shall correspond to the context of said Uniform Fire Code as if set out at length in their respective sections in lieu of or in addition to published sections or subsections. Where an amendment or modification replaces a published section or subsection, the published section or subsection shall be deemed void and deleted.

(1) Add Subsection 103.4.5.1 as follows: The owner, occupant or other person having under his control any property or materials on a property damaged by fire or explosion shall, when ordered by the Chief, immediately secure the property against entry or unauthorized access by the public, by boarding up all openings, fencing, barricading or utilizing other appropriate measures. Within 30 days after written notice to do so has been served, all debris and/or damaged materials shall be removed from the property and proof furnished that contractual arrangements have been made for prompt demolition, replacement or repair of all fire or explosion damaged structures remaining on the property involved in the fire or explosion.

(2) Add Item a.6 to Section 105.8 as follows: a.6: 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 Section 1105, Redmond Fire Department Standards, and this Code (see RCDG 20E.100.10-050(3)).

(3) Add to Section 207 “Facility” definition by inserting after “tank farms,” as follows: parks, plazas, sport fields or other public assembly areas.

(4) Add to Section 901.4.5 a second sentence to read as follows: Street and road designations shall be as determined by the Chief.

(45) Add Subsection 902.2.4.3 as follows: The Chief shall have the power and authority to remove or cause to be removed without notice, any vehicle, vessel or thing parked or placed in violation of Section 902.2.4.1 or 1001.67 of the Uniform Fire Code. The Chief may direct a property owner or property manager of a commercial or multi-family development to have such vehicles towed and/or contract with a towing company to have such vehicles towed when necessary to maintain fire access unobstructed. The

owner of any item so removed shall be responsible for all towing, storage and other charges connected therewith.

~~(56)~~ Add Subsection 902.2.2.7 to read as follows: The access roadway shall extend to within 150 feet of all portions of the exterior walls of the first story of any building and within 50 feet of at least 25 percent of the perimeter of the building. Where access roadway cannot be provided, approved fire protection system or systems shall be provided as required in RCDG 20E.100.10-080.

~~(67)~~ Add Subsection 902.2.2.6.1 as follows: All required access roadways shall be constructed so that the maximum gradient is 10 percent. 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 may be required by the Chief as indicated in RCDG 20E.100.10-080.

~~(78)~~ Add Subsection 1003.2.2.1 as follows: In any structure where the total area is 6,000 square feet or more. Computation of square footage shall be according to Redmond Fire Department Standards.

~~(89)~~ Add Subsection 1003.2.2.2 as follows: 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.

~~(910)~~ Amend Section 1005 to read as follows: When required by the Chief, basement pipe inlets shall be installed in the first floor of every structure having a basement. Required basement pipe inlets shall be in accordance with the provisions of Appendix III-D.

~~(1011)~~ Add to Subsection 1103.4. as follows: All ashtrays shall be of non-combustible construction where ashes are contained. Waste smoking material or any other previously ignited or spontaneously ignitable material shall be discarded into solid, non-combustible containers having tight fitting lids of the same construction.

~~(1112)~~ Add Subsection 105.7 as follows: A permit is required to use or store an asphalt kettle or other similar equipment.

~~(1213)~~ Add to Section 1106.1: Minimum protection shall consist of protective posts installed in conformity with Redmond Fire Department Standards.

~~(1314)~~ Add 1203.1 Height: All aisles, corridors or similar areas providing exit from any portion of the building shall have a clear height of at least six feet six inches unless a higher minimum is otherwise required.

~~(1415)~~ Add 1207.8 Blocking of Self or Automatic Closing Doors: Any door which is an integral part of a rated assembly and which is normally self or automatic closing shall not be blocked, obstructed or otherwise impaired or made inoperative.

~~(1516)~~ Add to Section 1211.3: In the event of normal power supply failure, automatic emergency exit illumination consisting of minimum battery pack type units shall be provided in exit corridors, stairways, main aisles, and exit passageways when:

(a) There are one or more floors above or below the principal grade of exit in any occupancy except R-3 or U unless all exits are exterior open balconies and/or stairs.

(b) There is an occupant load in excess of 50 for assembly, retail, or educational occupancies.

~~(1617)~~ Add Section 1212.9: For an occupant load of less than 50, signs are required wherever necessary to clearly indicate the direction of exit travel and may be non-illuminated (internal or self) when approved by the Chief.

~~(1718)~~ Add to Section 1212.3.1: All exit sign letters shall be green on a contrasting background.

~~(18) Amend the last sentence of the exception under 2501.8.3 to read as follows: (last sentence) The use of this exception may be revoked for due cause by the Chief.~~

(19) Add to 79.105(4)01.8.1 Secondary Containment: Secondary containment shall be provided for all new installations of ~~above ground and underground~~ storage tanks and associated piping.

~~(20) Add to 80.301(b)5 last sentence: "and associated piping."~~

~~(2120) Add to 80.301(b)604.2.2.5.3: Secondary containment shall be provided for all new installations of above ground storage tanks and associated piping.~~

~~(2221) Add to 8203.2.1.1.1: 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. (Ord. 1926. Formerly 20E.80.060)~~

(22) Add section 7801.1.1 - **Fireworks** Refer to Redmond Municipal Code Chapter 9.26 (Fireworks) and to RCW 70.77.120 et seq. (State Fireworks Law). (Ord. 1926. Formerly 20E.80.070).

20E.100.10-050 Deletions.

The following portions cited from the Uniform Fire Code, ~~1994-1997~~ Edition, as adopted in RCDG 20E.100.10-020, are hereby deleted:

~~(1) Section 1003.3.1; refer to RCDG 20E.10.10.060(7)~~

~~(21) Article 11 Section 1102.2. Incinerators~~

~~(32) Section 1105.6 entire "Exception."~~

~~(4) Article 78 "Fireworks." Refer to Redmond Municipal Code Chapter 9.26 (Fireworks) and to RCW 70.77.120 et seq. (State Fireworks Law). (Ord. 1926. Formerly 20E.80.070)~~

20E.100.10-060 Fire Detection Systems.

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

(1) 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; a fire alarm panel; audible and visual alarm notification devices ~~for evacuating occupants~~; contractual arrangements with a "prime contractor" for continuous central station monitoring, maintenance and repair; and exterior audible and visual signaling as required by Redmond Fire Department Standards for the particular occupancy. Alarm requirements for an approved supervised fire sprinkler system shall include water flow switches or pressure switches as applicable; applicable supervisory switches; tamper switches; a fire alarm panel; audible and visual alarm notification devices; contractual arrangements with a "prime contractor" for continuous central station monitoring, maintenance and repair; and exterior audible and visual signaling as required by Redmond Fire Department Standards for the particular occupancy [see item (7)].

(2) 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, having a City of Redmond business license, 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.

(3) Where Required. An approved supervised and maintained fire detection system shall be required in the following structures. For the purposes of this section, an area separation or occupancy separation wall or a distance of 10 feet or less shall not constitute a separation between two structures on the same property.

(a) Throughout every structure used for residential occupancy containing five or more dwelling units, and not having an approved sprinkler system.

(b) Throughout every structure used for any purpose where the total area is 6,000 square feet or more and there is not an approved sprinkler system. Computation of square footage shall be according to Redmond Fire Department Standards.

(c) Throughout any structure where the total area is 3,000 square feet or more and there is not an approved sprinkler system except R-3 single-family residences, and 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. Computation of square footage shall be according to Redmond Fire Department standards.

(d) When the option referenced in U.B.C. 1005.74.3.4.3 Exception 54 or 6 is used, and a smoke detection system is to be used in lieu of ~~one hour~~ fire resistive corridor construction, then it shall be installed per Redmond Fire Department standards for "~~one hour~~ corridor smoke detection."

(e) Group H Division 1, 2 or 3 occupancies over 1,500 square feet in addition to an approved sprinkler system ~~required under provisions of U.B.C. 904.2.5, 1994 Edition.~~

(f) Where required elsewhere by the Redmond Fire Code, U.B.C. or State of Washington.

(4) Retroactive Application of Regulations. The requirements set forth in subsection (3) of this section are intended to apply retroactively to those existing structures identified below. The date by which all such structures are required to be in compliance is as indicated below:

Use/Structure	Compliance Date
Any occupancy except residential with a total area of 6,000 square feet or more	1/1/88

Notwithstanding the foregoing provisions, structures in areas annexed to the City shall not be required to comply with this chapter until the expiration of one year from the date of annexation. Except as provided above, subsection (3) of this section shall apply prospectively only, commencing upon the effective date of the ordinance codified in this chapter.

(5) Approval Requirements:

(a) Prior to the installation of a fire alarm system, specifications, calculations and a minimum of three copies of plans per Redmond Fire Department Standards shall be submitted to the fire department for approval and 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 configurations, with and wall, ceiling, attic and roof support configurations details which could affect layout.~~ The manufacturer and model number of each component of the system shall be indicated. An accurate accounting of all wire and devices used shall be listed. The ambient sound level used for the design shall be indicated.

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

(6) Modifications.

(a) When a 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 RCDG 20E.100.10-060(5)(a) for approval and permit.

(c) Prior to occupancy of the remodeled or added portion the modified alarm system shall be tested and/or inspected in the presence of, and approved by, the Chief as outlined in Redmond Fire Department Standards.

(7) Supervisory and Alarm Requirements for Sprinkler Systems. Any structure which has installed an approved sprinkler system shall have the flow and control valves monitored and supervised per Redmond Fire Department Standards.

Exceptions:

(a1) Approved domestically supplied local systems with 10 heads or less per building, if not otherwise required.

(b2) Approved residential sprinkler systems, if not otherwise required.

(ia) ~~The supervisory fire alarm system shall also monitor~~ supervise all above ground exterior control valves for tamper and ~~monitor~~ supervise low/high air pressure on dry sprinkler systems, as required in the Redmond Fire Department Standards.

(ib) All monitored systems shall have an approved alarm panel and transmitter. All panels shall have battery back up. Refer to Redmond Fire Department Standards.

(c) All sprinkler systems shall be provided with approved audible and visual alarm devices throughout occupiable spaces.

(8) Nonconforming Buildings.

(a) The use of any building not conforming to the provisions of this section 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 this section. 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. See subsection (4) of this section for retroactive application regulations.

Exception: Alarm systems which are required under subsection (3)(c) of this section until such time as the occupancy use changes.

(b) Except as provided in subsection (8)(a) of this section structures which are nonconforming to these requirements shall be required to meet current standards when alteration or expansion of the structure takes place and the following takes place within any three-year period: The gross floor area of the structure is increased by 100 percent or more; or the costs stated on all approved building permit applications for the structure equal or exceed the assessed value of the structure at the beginning of that three-year period. When such a nonconforming structure has been destroyed, damaged or has incurred a loss equal to or greater than 50 percent of its assessed or appraised value, whichever is greater, it shall thereafter conform to current requirements.

(9) Smoke Detection Devices. Compliance with State law is required. Compliance with the requirements of this section 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, one copy of which has been and is 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. (Ord. 1926. Formerly 20E.80.080)~~

20E.100.10-070 Sprinkler Systems.

The following regulations constitute general requirements for sprinkler systems:

- (1) General Requirements. All approved sprinkler systems shall meet the requirements of the Redmond Fire Department Standards and the Redmond Fire Code. All systems shall have an adequate water supply, system of piping, and sprinkler heads designed to discharge water on a fire at an appropriate time and in an effective manner and when applicable, a DOH approved, maintained, and tested backflow preventer installed in either an exterior vault or inside the building at the riser. All underground sprinkler supply piping shall be included on civil drawings and shall be approved by the water supplier and the Redmond Fire Department.
- (2) Maintenance. All approved systems shall be maintained per Redmond Fire Department Standards. Additionally, those who perform required maintenance and repair shall keep accurate records of all notifications and work done and shall make such reports to the Fire Department as required by the Redmond Fire Department Standards.
- (3) 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 or a distance of 10 feet or less shall not constitute a separation between two structures on the same property.
 - (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 is 6,000 square feet or more. Computation of square footage shall be according to the Redmond Fire Department Standards.
 - (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) When in an R-1 occupancy there are more than four dwelling units or over eight guest units in a hotel or motel.
 - (f) When in an assembly occupancy the occupant load is over 200.
 - (g) When any non-sprinklered structure adds square footage so that the total area exceeds 10,000 square feet.
 - (h) Where required elsewhere by the Redmond Fire Code or the Uniform Building Code.
- (4) Approval Requirements.
 - (a) Prior to the installation of a sprinkler system, specifications, calculations and a minimum of three copies of plans per Redmond Fire Department Standards shall be submitted to the fire department for approval. The plans shall indicate the layout of all equipment to be used and an accurate representation of floor and ceiling plans, with wall, ceiling, attic and roof support configurations. The manufacturer and model number of each component ~~or a component~~ of the system shall be indicated. An accurate accounting of all heads, valves, and switches shall be listed. The commodity class(es) to be protected, the design layout, the design criteria, and the water supply assumptions shall be indicated.

(b) Prior to the occupancy of the building, the sprinkler system shall be tested and/or inspected in the presence of, and shall be approved by, the Chief. This applies to both the flow and supervision portions of the systems where applicable.

(5) Modifications.

(a) When the remodel of, or addition to a building to which this code applies creates spaces which would otherwise be protected by sprinkler heads 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 subsection (4)(a) of this section for approval.

(c) Prior to occupancy of the remodeled or added portion, the modified sprinkler system shall be tested in the presence of, and approved by, the Chief as per subsection (4)(b) of this section.

(6) Nonconforming Buildings. Except as provided in the Uniform Fire Code, Section 1.103(b) requirements for nonconforming uses and structures shall be as provided in subsection (3)(g) of this section. (Ord. 1926; Ord. 1537. Formerly 20E.80.090)

20E.100.10-080 Restricted Access Buildings.

(1) Where a building or portion of a building is so located or constructed with grades, elevations, vegetation or other natural or man-made obstacles which make exterior or interior access and/or use by fire apparatus, equipment or personnel unduly difficult, unsafe or impossible, additional safeguards shall be required by the Chief. Safeguards shall consist of the following applicable items or alternates suitable for firefighting and rescue operations as specified by the Chief.

(a) Automatic fire sprinkler throughout.

(b) Smoke detection system.

(c) Automatic fire alarm systems.

(d) Communication systems.

(i) Voice alarm system.

(ii) Public address system.

(iii) Fire department communication system.

(e) Central control station.

(f) Smoke control systems.

(g) Emergency elevator systems.

(h) Emergency exits.

(i) Emergency areas of refuge including horizontal exits and smoke-proof enclosures.

(j) Vertical and horizontal standpipes.

(k) Standby power, light and emergency systems.

(2) All systems shall meet the design requirements set forth in the Redmond Fire Department Standards and Redmond Fire Code. (Ord. 1926. Formerly 20E.80.100)

20E.100.10-090 New Materials, Processes or Occupancies Which May Require Permits.

The Director of Public Works, the Chief of the Fire Department and the Chairman of the Board of Appeals shall act as a committee to determine and specify, after giving the affected person an opportunity to be heard, any new materials, processes or occupancies which may require permits, in addition to those now enumerated in said code. The Chief of the Fire Department shall cause such list to be posted in a conspicuous place in his

office and distribute copies thereof to interested persons. (Ord. 1926. Formerly 20E.80.120)

20E.100.10-100 Appeals.

Whenever the Chief of the Fire Department disapproves an application or refuses to grant a permit applied for, or when it is claimed that the provisions of the code do not apply or that the true intent and meaning of the code has been misconstrued or wrongly interpreted, the applicant may appeal from the decisions of the Chief to the Board of Appeals (Section 103.1.4, Uniform Fire Code, ~~1994~~ 1997 Edition) within 30 days of the decision appealed. (Ord. 1926. Formerly 20E.80.130)

20E.100.10-110 Penalties and Enforcement.

(1) Penalties for Violations. Any person who violates any of the provisions of the Redmond Fire Code or fails to comply therewith, or who violates or fails to comply with any order made thereunder, or who builds in violation of any detailed statement of specifications or plans submitted and approved thereunder, and from which no appeal has been taken, or who fails to comply with such an order as affirmed or modified by the board of appeals or by a court of competent jurisdiction, within the time fixed herein, shall, severally for each and every such violation and non-compliance respectively, be subject to the penalties for violations provided in RMC 1.01.110 or 1.14.060 as deemed applicable by the Chief. The imposition of one penalty for any violation shall not excuse the violation or permit it to continue; and all such persons shall be required to correct or remedy such violations or defects within a reasonable time.

(2) The imposition of penalties upon conviction shall not preclude the City and the Chief from taking further appropriate legal action to cause compliance with the provisions of the Fire Code or to remove prohibited conditions. (Ord. 1926. Formerly 20E.80.140)

20E.100.10-120 Building Permit Issuance and Occupancy.

The passage of the ordinance codified in this chapter is necessary for the protection of the public health, safety and welfare of the citizens of the City. No building permit shall be issued until plans, which are in compliance with this chapter, have been submitted and approved. No building shall be occupied until such approved systems have been inspected and are operational. (Ord. 1926. Formerly 20E.80.150)

Exhibit B

Additional language to be added to Redmond Community Development Guide Section 20F.20.200 Appeals (see page 406):

- (3) City Council and Hearing Examiner to Hear Appeals.
- (a) The Hearing Examiner shall hear and render a final decision in the case of appeals from the following actions:
 - (i) SEPA threshold decisions.
 - (ii) Determination of the adequacy of a final environmental impact statement.
 - (iii) *Administrative interpretations of the Building Official.*

Pursuant to RCW 43.21C.075(3)(a), Appeals, appeals from the decision of the Hearing Examiner on (3)(a)(i) and (ii) above shall be made directly to the Superior Court. Appeals from the decisions of the Hearing Examiner on (3)(a)(iii) shall also be made directly to Superior Court.

(b) The City Council shall render a final decision in all other appeals. The Council may hear such appeals or delegate the hearing function to the Hearing Examiner as provided in subsection (6)(b) of this section.

o:\Building\97Local Amendments\20E Exhibit B.doc

Exhibit C

1999 National Electrical Code

20E.20 Electrical Code.

20E.20-010 Short Title.

This Chapter and amendments hereto shall constitute the "Electrical Code" of the City and may be cited as such.

20E.20.10-020 Adoption.

The National Electrical Code, current edition, as specified by WAC 296-46-090, as said Section currently exists or is hereafter amended, modified, or recodified, the most current edition of Centrifugal Fire Pumps (NFPA 20), National Fire Alarm Code (NFPA 72), Health Care Facilities (NFPA 99) and Emergency and Standby Power Systems (NFPA 110) published by the National Fire Protection Association, one copy of which has been and is now on file with the office of the City Clerk for inspection by the public, is hereby adopted as the City Electrical Code by this reference and is incorporated herein as if set forth in full except as to such portions as may be deleted, modified or amended by the provisions of this chapter, if any.

20E.20-030 Deletions.

There are no deletions from the National Electrical Code.

20E.20-040 Amendments.

The following Articles of the National Electrical Code adopted by this chapter are hereby amended to add the following:

20E.20-040(10) Article 210 Ground Fault Circuit Interrupter Protection for Personnel (GFCI).

All 125-volt single phase, 15 and 20-ampere receptacles installed outside of buildings or within six (6) feet of a sink shall have GFCI protection.

Exception: A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that in normal use is not easily moved from one place to another, and that is cord and plug-connected in accordance with Section 400-7(a)(6), (a)(7), or (a)(8).

20E.20-040(15) Article 210-C Required Outlets.

In all new work in non-residential buildings a minimum of one duplex receptacle shall be installed in each room or office.

Exceptions:

- 1) Restrooms
- 2) Rooms used exclusively for storage.

- 3) Subject to the approval of the building official, other areas where receptacles are unlikely to be needed.

20E.20-040 (20) Article 230 Service Entrance Conductors and Service Equipment.

Service entrance conductors shall be installed in the following manner:

- 1) Minimum coverage shall be 24 inches below finished grade.
- 2) Where current limiters are permitted, they shall be installed in an approved enclosure, and be labeled "Current Limiters".
- 3) In other than single family dwellings, the capacity of installed conductors shall be labeled on the service distribution equipment when not of the same ampacity.
- 4) Single family dwellings may be served with approved direct burial cable provided such cable shall be sleeved under paving, and installed to conform to Sections 230 (d) and 300-5 of the National Electrical Code.

20.E.20-040 (25) Article 250 Methods of Grounding.

All required grounding shall be fully installed and visible at the time of the rough in inspection.

1) Grounding Electrode Systems:

- a) All electrical services for new buildings or structures shall have a concrete encased electrode installed complying with NEC ~~250-81(c)~~ 250-50(c). The grounding electrode system inspection shall be conducted with the footing inspection before the placement of concrete. Concrete encased electrodes shall be inspected and approved prior to the placing of concrete.

b) Article ~~250-83~~ 250-52 Made and Other Electrodes.

- i) When two rod and pipe electrodes are installed they shall be installed not less than 16 feet apart.
- ii) Electrodes placed horizontally in a trench, and plate electrodes, shall not be approved without written approval from the Building Official of the City.

Exception: Temporary services shall be permitted to have only one made electrode.

2) Equipment Grounding:

- a) Flexible metal conduit and liquidtight flexible metal conduit shall contain an equipment grounding conductor sized per Article ~~250-95~~ 250-122.

20E.20-040(30) Article 305 Temporary Installations.

If the Building Official of the City finds that the safety of life and property will not be jeopardized, permits may be issued for temporary electrical installations for use during constructions of buildings or for carnivals, conventions, festivals, fairs, the holding of religious services, temporary lighting of streets, or other approved uses. Permission to use such temporary installation shall not be granted for a greater length of time than 45 days, except that a permit for a temporary installation to be used for construction of a building may be issued for the period of construction. Should such temporary lighting be over the street area, the proper authorization for such use of the street must first be obtained. All such temporary installations shall be made in a manner as nearly as practicable in conformance with the requirements of this code for permanent work;

provided that the Building Official of the City may permit deviations which will not permit hazards to life or property; and further provided that whenever such hazards are deemed by the building official to exist, the Building Official of the City may at once rescind or cancel the permit covering such installation and disconnect, or order the disconnection of all electrical energy to such equipment.

20E.20-040(35) Chapter Three-Wiring Methods.

All premises shall be wired with approved raceways or metal-clad cable. Metal-clad cable shall not be smaller than #14 AWG copper, with an equipment grounding conductor contained within the outer jacket, and used only with approved fittings.

Exceptions:

- 1) Single-family, duplex, and multifamily dwelling installations as allowed by the National Electrical Code.
- 2) Installations under Articles 720, 725, 760, 770, 800, 810 and 820 of the National Electrical Code, when installed with approved materials.

20E.20-040(40) Unused Conductors.

Electrical conductors not in use shall be removed unless otherwise authorized by the Building Official of the City.

20E.20-050 Permits Required.

No electrical system regulated by this code shall be installed, altered, repaired, replaced or remodeled unless a separate electrical permit for each building or structure has first been obtained from the Building Official of the City. The application and issuance of electrical permits shall be governed by Section 106 of the Uniform Building Code, or its successor, adopted by RCDG 20.E.10-020, insofar as they can be applied to electrical installations. The electrical permit shall be posted on the job site and remain on the job site during the entire course of work.

20E.20-050(10) Inspections.

- 1) The installation, alteration or extension of any electrical system, fixtures or components for which an electrical permit is required by this code shall be subject to inspection by the Building Official of the City and such electrical systems, fixtures and components shall remain accessible and exposed for inspection purposes until approved by the Building Official of the City. It shall be the duty of the permit applicant to cause the electrical systems to remain accessible and exposed for inspection purposes. The City shall not be liable for any expense entailed in the removal or replacement of material required to permit inspection. When the installation of an electrical system is complete, an additional final inspection shall be required to be made. Electrical systems and equipment regulated by the National Electrical Code shall not be connected to the energy source until authorized by the Building Official of the City.
- 2) The Building Official of the City may require special inspection of equipment or wiring methods where the installation requires special training, equipment, expertise, knowledge, or other such factors. Where such special inspection is

required, it shall be performed by an independent third party acceptable to the Building Official of the City. The special inspection person/agency shall be designated and approved prior to beginning the installation of wiring or equipment. A written report from the designated special inspection agency indicating that the installation conforms to the appropriate codes and standards shall be received by the Building Official of the City prior to the installation being approved. All costs for such testing and reporting shall be the responsibility of the permit holder.

20E.20-050(15) Violations Prohibited.

Approval as a result of an inspection shall not be construed to be an approval of a violation of the provisions of the National Electrical Code or other laws or ordinances of the City. Inspections presuming to give authority to violate or cancel provisions of the National Electrical Code or other laws or ordinances of the City shall not be valid.

20E.20-050(20) Electrical Plan Review.

Electrical plan review shall be required for all electrical plans for new or altered electrical installations in educational, institutional, and health or personal care occupancies classified or defined in WAC 296-46-130 and as indicated in WAC 296-46-140. In addition electrical plan review shall be required for other electrical installations as determined by the Building Official of the City.

20E.20-050(25) Plans and Specifications.

The Building Official of the City shall determine the requirements for the submission of electrical plans and specifications necessary for electrical plan review.

20E.20-050(30) Work Exempt from Electrical Permit Requirements.

An electrical permit shall not be required for the following:

- 1) Portable motors or other portable appliances energized by means of a cord or cable having an attachment plug end to be connected to an approved receptacle when that cord or cable is permitted by the National Electrical Code.
- 2) Repair or replacement of fixed motors, transformers or fixed approved appliances or devices rated 50 amperes or less with the same type and rating in the same location.
- 3) Temporary decorative lighting.
- 4) Repair or replacement of current-carrying parts of any switch, conductor or control device of up to 100 amperes capacity.
- 5) Reinstallation of attachment plug receptacles, but not outlets therefor.
- 6) Repair or replacement of any over current device of the required capacity in the same location.
- 7) Repair or replacement of electrodes or transformers of the same size and capacity for signs or gas tube systems.
- 8) Removal of electrical wiring.
- 9) Temporary wiring for experimental purposes in suitable experimental laboratories.
- 10) Replacing flush or snap switches, fuses, lamp sockets, receptacles, or ballast

20E.20-050(35) Violations Prohibited.

Exemption from the permit requirements of Section 20E.20-050(30) shall not be deemed to grant authorization for work to be done in violation of the provisions of the National Electrical Code or other laws or ordinances of the City.

20E.20-060 Electrical Permit Fees.

A fee for each electrical permit shall be paid to the City pursuant to the schedule of fees adopted in accord with RMC Title 20. Where work for which an electrical permit is required by this code is started or proceeded with prior to obtaining the permit, the penalties specified in RMC Section 1.01.110 and Chapter 1.14 shall be added to the permit fee. The payment of such increased fee shall not relieve any persons from fully complying with the requirements of this code in the execution of the work nor from any other penalties prescribed herein.

Exception: In cases of emergency repairs to existing electrical systems, this penalty will not be charged if the electrical permit is obtained no later than the business day following completion of the emergency repair.

20E.20-070 Enforcement.

The enforcement of the electrical code shall be governed by Section 104 of the Uniform Building Code, or its successor, adopted by Chapter 20E.10-010, insofar as the same can be applied to electrical installation and use.

20E.20-080 Penalties for Violations.

Any person violating any of the provisions of this chapter and the electrical code hereby adopted shall be punished as provided in Section 1.01.110 and Chapter 1.14 of the Redmond Municipal Code.