

ORDINANCE NO. 1391

AN ORDINANCE AMENDING THE REDLANDS ORDINANCE CODE FOR THE PURPOSE OF UPDATING AND ADOPTING THE LATEST ELECTRICAL CODES PREPARED BY THE INTERNATIONAL ASSOCIATION OF ELECTRICAL INSPECTORS (UNIFORM WIRING CODE, 1968 EDITION) AND THE NATIONAL FIRE PROTECTION ASSOCIATION (NATIONAL ELECTRICAL CODE, 1968 EDITION) AND REPEALING ORDINANCES NO. 1320 AND 1334

THE CITY COUNCIL OF THE CITY OF REDLANDS DOES ORDAIN
AS FOLLOWS:

SECTION ONE. That the Redlands Ordinance Code be amended and updated by deleting present Article 842, Uniform Wiring Code of Chapter 84, Uniform Codes, and adding Article 842, Uniform Wiring Code, as follows:

ARTICLE 842

Uniform Wiring Code

§ 84200. That certain document on file in the office of the City Clerk of the City of Redlands, which is marked and designated as "Uniform Wiring Code, 1968 Edition", and each and all of the regulations, provisions, conditions and terms of said Uniform Wiring Code are hereby referred to, adopted and made a part of this section. That there are three copies of the above referred to document and Code thereof now on file in the office of the City Clerk.

§ 84201. That ARTICLE I, ADMINISTRATION, be amended by changing Section 10.1 Electrical Safety Engineer to read as follows:

Sec. 10.1. Electrical Safety Engineer. There is hereby created the office of Electrical Safety Engineer. As used in this Section and elsewhere in the Code the term "Electrical Safety Engineer" shall be and is the same as the "Director of Building and Safety or his designated agent".

§ 84202. That ARTICLE II - PERMITS, be amended by a rewording of Section 20.6, the deletion of Sections 20.7 and 20.8, and the addition of a sentence to Section 20.10.

Sec. 20.6. In lieu of an individual permit for each installation or alteration, an annual permit shall, upon application therefor, be issued to any person, firm or corporation regularly employing one or more qualified electricians for the installation, alteration and maintenance of electrical equipment in or on buildings or premises owned or occupied by the applicant for the permit. The application shall be in writing to the Electrical Safety Engineer and shall contain a description of the premises on which the work is to be done under the permit. The person, firm or corporation must be able to and shall in fact furnish inspection service which meets the requirements of the Electrical Safety Engineer. In any instance where the inspection service rendered by any person, firm or corporation as provided in this section is not in accordance with the rules and regulations of the Electrical Safety Engineer, and with the requirements of the Uniform Wiring Code, the Electrical Safety Engineer is hereby authorized to cancel said annual permit, by giving written notice, and said person, firm or corporation shall then be required to pay the regular permit fee and submit plans and specifications before work can be allowed to proceed. Plans and specifications for all new work to be done by contract on existing buildings and appurtenances will still be required to be

submitted for approval and permit fees paid prior to initiation of the work. A quarterly inspection will be made by the Electrical Safety Engineer to review compliance with this section.

Sec. 20.10. "Failure to obtain a permit within 24 hours will result in a penalty of a double permit and double fees."

§ 84203. That ARTICLE III - FEES, be amended by changing Section 30.2 Alterations and Additions, Section 30.3 Minimum Total Fee, and Section 30.9 Annual Maintenance Electrician, to read as follows:

Sec. 30.2. Alterations and Additions. Where no structural work is being done, or where it is impractical to use the square footage schedule, the minimum fee shall be \$3.00 or computed by using fee schedule 30.4 and the following:

(a) Outlets and fixtures:

First 20 outlets, each	\$.20
Additional outlets, each	.10
First 20 fixtures, each	.20
Additional fixtures, each	.10
Mercury vapor fixture, or transformer, first	1.00
Additional mercury vapor fixture, each	.20

(b) Services, Residential

Up to and including 100 amperes	2.00
Over 100 ampere	3.00

Sec. 30.3. Minimum Total Fee. For any type of construction, alteration, addition or installation the minimum total fee shall not be less than a \$3.00 permit issuance fee plus costs required by other sections of Article III - Fees.

Sec. 30.9. Annual Maintenance Electrician. The fee for an annual permit shall be as follows, based on the number of electricians regularly on the payroll of the applicant:

1 to 10 electricians	\$100.00
11 but not more than 75	200.00
75 but not more than 150	300.00

§ 84204. That ARTICLE V - INSTALLATION STANDARDS be amended by adding an additional Section 50.9, Roof Flashings.

Sec. 50.9. Roof Flashings. All electrical conduit passing through the roof of any building or structure shall be equipped with an approved metal roof jack or metal flashing. Service entrance conduits shall extend a minimum of eighteen (18) inches above the roof and all other electrical conduits shall extend a minimum of six (6) inches above the roof.

§ 84205. That ARTICLE VI - ALTERATIONS AND ADDITIONS be amended by changing the title of ARTICLE VI to read ALTERATIONS, ADDITIONS AND RELOCATIONS and by rewording Section 60.1 to read as follows:

Sec. 60.1. Alterations, Additions, Relocations and Renewals: Alterations, additions, relocations and renewals of existing wiring installations shall be made in compliance with the provisions of this Code. An exception may be granted by the Electrical Safety Engineer on extensions of existing wiring after on-site investigation.

§ 84206. That ARTICLE VII - XIV, INCL - SERVICES be amended by deleting Section 70.4 Service Entrance Cable, rewording of Section 90.1, addition of a Section 90.7, adding a sentence to the second paragraph of Section 100.3, rewording of Section 140.2, 140.3, 140.4, 140.5, 140.6, and adding a Section 140.11.

Sec. 90.1. Locations. An approved service entrance switch or circuit breaker shall be installed for each service meter installation on the load side of the meter; service switch or circuit breaker shall be located on the exterior of the building at the nearest safe and readily accessible point to where the service conductors enter the building.

Exception: On buildings of a commercial or industrial type that are normally open during an average business day, the service switch, breaker, and/or meter may be installed within the building if meeting the requirements of the serving utility.

Sec. 90.7. Disconnecting Means on Service Equipment for Commercial and Industrial Applications: Fused switches or circuit breakers. Whenever in this Code a switch, a fuse or a switch and fuses are called for the requirements may be met by use of an approved circuit breaker provided with means for manual tripping. The switch or circuit breaker shall be an approved enclosed manually operable type and shall plainly indicate whether it is in the open or closed position, and be arranged to be locked in the open position.

Sec. 100.3 is amended by adding the following sentence to the second paragraph: "Electric panels shall not be located in linen or broom closets."

Sec. 140.2. Single Family Dwellings Under 800 Square Feet. The minimum service requirement shall be:

Raceway - 1" trade size
Conductors - 3 No. 6 AWG
Circuit Breaker - 50 ampere

Provision shall be made in the branch circuit panel for a minimum of ten (10) single pole overcurrent protective devices, exclusive of "wafers" or "twin" type single pole circuit breakers, in addition to the main circuit breaker.

Sec. 140.3. Single Family Dwellings, 800 Square Feet and Over.

- (a) 800 square feet to and including 1750 square feet.

Raceway - 1½" size
Conductors - 3 No. 2 AWG
Circuit Breaker - 100 ampere

Provision shall be made in the branch circuit panel for 100 ampere bussing and a minimum of sixteen (16) single pole, over-current protective devices, exclusive of "wafers" or "twin" type single pole circuit breakers, in addition to the main circuit breaker.

- (b) Over 1750 square feet

Raceway - 2" size
Conductors - 3 No. 0 AWG
Circuit Breaker - 150 ampere

Provision shall be made in the branch circuit panel for 150 ampere bussing and a minimum of twenty (20) single pole over-current protective devices, exclusive of "wafers" or "twin" type single pole circuit breakers, in addition to the main circuit breaker.

Sec. 140.4. In all flush-mounted services for one and two family dwellings, two three-quarter (¾) inch spare raceways for future use shall be provided as follows: Where sufficient attic space is available or underfloor space is available, one raceway shall terminate conveniently in either one for future use. The other spare will terminate on the

outside of the structure, preferably at a location where desirable for future utilization.

Sec. 140.5. Duplex Dwelling. Combined minimum service requirements shall be:

Raceway and Conductors - 100 ampere capacity
Circuit Breaker - 50 ampere for each unit

Service entrance conductors shall have a current-carrying capacity sufficient to carry the load.

Sec. 140.6. Multi-family Dwelling. Minimum service requirements for combined unit occupancy load shall be:

Raceway and Conductors - 100 ampere capacity

The minimum feeder or sub-feeder for each individual occupancy shall be:

Raceway - 1" trade size
Conductors - 3 No. 6 AWG
Circuit Breaker - 50 ampere

Sec. 140.11. Service entrance equipment shall be completed for rough inspection, all conductors shall be insulated and installed, and the spare conduits stubbed as required by Section 140.4.

§ 84207. That ARTICLE XV - WIRING METHODS be amended by deleting Sections 150.11 and 150.12.

§ 84208. That ARTICLE XVI - ALTERATIONS AND ADDITIONS be amended by adding a sentence to Section 60.2 reading as follows: "In addition, an existing circuit installed under previous codes, and considered to be in satisfactory condition by the Electrical Safety Engineer, may be extended if loading and grounding conditions are adequate for the use intended."

§ 84209. That ARTICLE XVII - BRANCH CIRCUIT REQUIREMENTS be amended by adding a sentence to Section 170.3 and deleting Section 170.15.

Sec. 170.3. The following sentence is added:
"No residential lighting outlet shall be controlled by a pull-chain switch."

§ 84210. That ARTICLE XVIII - LOW VOLTAGE REMOTE CONTROL WIRING SYSTEMS be amended by rewording Section 180.1.

Sec. 180.1. The wiring method used, including the control of lighting convenience, and appliance branch circuits, shall be as follows: In residential occupancies and accessory buildings thereto, the low voltage wires in concealed locations shall be securely fastened in a workmanlike manner. In exposed locations the low voltage wires shall be installed in rigid metal conduit, electric metallic tubing or other approved wiring systems. All transformers used in conjunction with residential low voltage systems shall be constructed with a grounded shield to prevent primary voltage short to the low voltage side.

§ 84211. That ARTICLE XX - CONDUCTORS be amended by rewording Section 200.1.

Sec. 200.1. For the supply of current to general appliance and convenience outlet circuits, no conductor smaller than No. 12 AWG wire shall be installed. No convenience outlet or appliance shall be installed or operated on a general lighting branch circuit at any time in any occupancy, except as provided in Sections 170.4, 170.17 and 170.19.

§ 84212. That ARTICLES XXI and XXII - DEMAND FACTORS be amended by adding Section 220.5 as follows:

Sec. 220.5. A dryer raceway for single family occupancies shall be stubbed into the attic, under floor or as approved by the Electrical Safety Engineer from a 4 S box at the dryer location.

§ 84213. That ARTICLE XXV - SWIMMING POOLS be amended by adding a sentence to paragraph (a) of Section 250.6 to read as follows: "All bonding and grounding shall be inspected and approved before being covered."

§ 84214. That ARTICLE XXVII - MOBILE HOMES AND MOBILE HOME PARKS is added to said Code and reads as follows:

ARTICLE XXVII - MOBILE HOMES AND MOBILE HOME PARKS

Sec. 270.1. The Division of Housing, State of California, has promulgated and is the enforcement agency for rules and regulations applicable to all electrical wiring, fixtures and equipment installed in a mobile home park.

§ 84215. That ARTICLE XXX - PENALTIES be amended by addition of Section 360.1 reading as follows:

Sec. 360.1. Where work for which a permit is required by this Code is started or commenced without obtaining

a permit, the total fees as herein specified shall be doubled, provided, however, any penalty shall not be less than \$10.00 nor exceed \$200.00. The payment of such double fee or maximum penalty shall not relieve any person from either fully complying with the requirements of this Code in the execution of the work or from any other penalties prescribed herein.

§ 84216. That ARTICLE XXXX - BOARD OF APPEALS is added with a Section 400.1 Board of Appeals, reading as follows:

Sec. 400.1. Board of Appeals. The Board of Appeals and the procedures concerning its operation as stated in ARTICLE 840, Uniform Building Code, shall also apply to all appeals resulting from the administration of this Code.

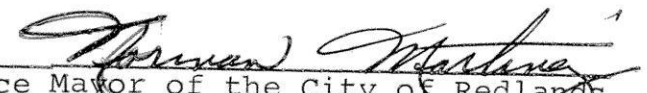
§ 84217. The word "City" in the aforesaid sections and Code shall be deemed to refer to and designate the City of Redlands and any reference to any act or any legislative enactment therein referred to shall be deemed to designate and embrace the statutes of the State of California, and amendments thereof, dealing with the subject matter thereby and therein referred to.

SECTION TWO. This ordinance shall take effect and be in force, from and after its passage as provided by law.

SECTION THREE. The City Clerk shall certify to the passage of this ordinance and shall cause the same to be published once in the Redlands Daily Facts, a daily newspaper hereby designated for that purpose.

ATTEST:


City Clerk

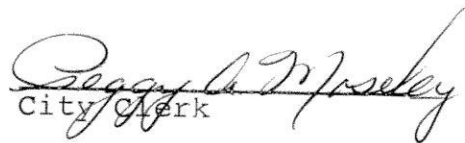

Vice Mayor of the City of Redlands

APPROVED FOR FORM:

s/ Edward F. Taylor
City Attorney

I, Peggy A. Moseley, City Clerk, City of Redlands, hereby certify that the foregoing ordinance was duly adopted by the City Council at a regular meeting thereof held on the 17th day of June, 1969, by the following roll call vote:

AYES: Councilmen Cummings, DeMirjyn, Knudsen, Vice Mayor
Martinez
NOES: None
ABSENT: Mayor Burroughs


City Clerk