

RENO EVENING GAZETTE PROOF OF PUBLICATION

STATE OF NEVADA }
COUNTY OF WASHOE }

LEOOTHY Y. COON

being first duly sworn, deposes and says:

That I he is the PRINCIPAL CLERK of
THE RENO EVENING GAZETTE, a daily news-
paper published at Reno, in Washoe County, in the
State of Nevada.

That the notice BILL NO: 112

of which a copy is hereto attached, was first published in
said newspaper in its issue dated the 6th day of
March, 19 65, and was published in
each March 6 ONLY issue of said newspaper thereafter for

the full period of 1 days, the last publication
thereof being in the issue dated the 6th day of
March, 19 65.

Signed Leoothy Y. Coon

Subscribed and sworn to before me this
6th day of March, 19 65

Richard J. Taylor
Notary Public.

NOTICE
NOTICE IS HEREBY GIVEN that Bill No. 112 was introduced before the County Commissioners of Washoe County at a meeting held on the 25th day of February, 1965 and by the said Bill No. 112 it is proposed an ordinance be enacted to amend County Ordinance 64 entitled: "AN ORDINANCE OF THE COUNTY OF WASHOE REGULATING THE INSTALLATION, REPAIR, AND MAINTENANCE of electrical equipment, wiring, and devices, PROVIDING FOR THE ISSUANCE OF PERMITS FOR ELECTRICAL WORK, AND THE INSPECTION THEREOF; PROVIDING FOR THE COUNTY'S NON-LIABILITY IN CERTAIN CASES; PROVIDING PENALTIES FOR THE VIOLATION THEREOF; REPEALING ALL ORDINANCES AND PARTS OF ORDINANCES IN CONFLICT THEREWITH."
NOTICE IS HEREBY GIVEN that typewritten copies of the said proposed ordinance have been filed with the County Clerk of the County of Washoe, State of Nevada, for public inspection.
NOTICE IS HEREBY GIVEN that copies of "The National Electrical Code, 1962 Edition" and appendices and amendments, changes and additions thereto, designated as exhibit "A," have been filed with the County Clerk of Washoe County.
NOTICE IS HEREBY FURTHER GIVEN that Bill No. 112 will be read for the last and final time at the regular meeting of the Washoe County Commissioners, Washoe County Courthouse on the 15th day of March, 1965 at 11:30 a.m.
(s) H. K. Brown
County Clerk and Clerk of the Board of County Commissioners,
Washoe County, Nevada
March 6 Only

SUMMARY: An Ordinance amending Ordinance 84 to adopt the National Electrical Code, 1962 Edition.

BILL NO. 112

ORDINANCE NO. 84

AN ORDINANCE TO AMEND COUNTY ORDINANCE 84 ENTITLED: "AN ORDINANCE OF THE COUNTY OF WASHOE REGULATING THE INSTALLATION, REPAIR, AND MAINTENANCE OF ELECTRICAL EQUIPMENT, WIRING, AND DEVICES; PROVIDING FOR THE ISSUANCE OF PERMITS FOR ELECTRICAL WORK AND THE INSPECTION THEREOF; PROVIDING FOR THE COUNTY'S NON-LIABILITY IN CERTAIN CASES; PROVIDING PENALTIES FOR THE VIOLATION THEREOF; REPEALING ALL ORDINANCES AND PARTS OF ORDINANCES IN CONFLICT THEREWITH."

THE BOARD OF COUNTY COMMISSIONERS OF WASHOE COUNTY DO ORDAIN:

Section 1. County Ordinance 84, Section 1 is hereby amended to read as follows:

"Section 1. The National Electrical Code, 1962 Edition adopted by the National Fire Protection Association at its Annual Meeting, May 21-25, 1962 together with such changes as are necessary to make the same applicable to conditions in the County of Washoe, and with such other changes as are desirable, all of which changes are marked "Exhibit A" and placed on file in the office of the County Clerk of Washoe County, Nevada, shall be and hereby is adopted by reference, incorporated herein and made a part hereof as if set forth in full."

Section 2. This Ordinance shall be in full force and effect from and after its passage and approval as prescribed by NRS §244.105.

Proposed on the 25th day of February, 1965.
Proposed by Commissioner Sauer
Passed on the 15th day of March, 1965.

Vote:

Ayes: Commissioners: Streeter, Sauer, McKissick and McKenzie

Nays: Commissioners: None

Absent: Commissioners: J. B. Cunningham

J. C. McKenzie
Chairman of the Board

ATTEST:

J. H. Brown

County Clerk

This Ordinance shall be in force and effect from and after the 15th day of March, 1965.

"EXHIBIT A"

NATIONAL ELECTRICAL CODE, 1962 EDITION ADOPTED BY THE NATIONAL FIRE PROTECTION ASSOCIATION AT ITS ANNUAL MEETING, MAY 21-25, 1962 TOGETHER WITH SUCH CHANGES AS ARE NECESSARY TO MAKE THE SAME APPLICABLE TO CONDITIONS IN THE COUNTY OF WASHOE.

Revisions and additions as per
County Ordinance No. 84
Passed and adopted March 15, 1965

Section 1 - Enforcing Authority

Enforcement of this code shall be the responsibility of the Building Department of the County of Washoe; the enforcing authority shall be the Building Official and Assistants appointed by the Board of County Commissioners. Upon notification by the occupants of a building, the Building Official may require the correction of defects in existing wiring which are dangerous or likely to cause fire. The Building Official may prohibit the sale, installation or use of any electrical appliance or fixture which, in his opinion, does not conform to the code or is in some manner hazardous.

Section 2 - To Whom Permits May Be Issued

An electrical permit as required by this code may be issued to any person who shall comply with the provisions of the act and the rules and regulations promulgated thereunder of the State of Nevada compiled statutes in reference to the State Contractors Law.

(a) It shall be unlawful and a violation of this ordinance for any person, whether acting as principal, servant, agent, or employee, to do, or cause, or permit to be done, any electrical work, except that specifically allowed herein, without first securing a permit from the Building Department authorizing him to do so.

(b) Permits shall not be required for the following electrical work: The replacement of lamps, fuses, and similar devices or the connection of portable appliances to suitable receptacles which have been permanently installed, the installation or repair of electric power generator, and the installation of temporary wiring for testing electrical apparatus or equipment.

(c) In cases where an emergency or urgent necessity can be shown to exist, such work may be begun prior to the issuance of a permit. A person who is licensed, as required herein, shall notify the Building Department immediately upon beginning said work or as soon thereafter as possible. Application for permit shall be made within 24 hours, exclusive of weekends and holidays.

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(d) Any person who shall commence any electrical work for which a permit is required by this Ordinance, without first having obtained a permit shall, if subsequently permitted to obtain a permit, pay double the permit fee fixed by Permit Fee Schedule for such work.

Section 3 - Application for Permit

(a) Application for permit shall be made to the Building Department by the person installing the work, on forms supplied by the Building Department. The application shall be accompanied by such plans, specification and schedule as may be necessary to determine whether the proposed installation shall conform to this code. If the applicant has complied with all provisions of this ordinance, a permit for such installation will be issued; provided, however, that the issuance of a permit shall not be deemed permission to violate any of the requirements of this ordinance, or any other State Law or County Ordinance. An Electrical Contractor may arrange to call in an application by telephone.

(b) A permit when issued shall be for the installation described in the application and no deviation therefrom shall be made without the written approval of the Building Department.

(c) No other permit shall be issued to any applicant who, ten days after he has been duly notified to correct defective work, has failed to correct such work.

Section 4 - Fees

New Construction

(a) Residential (Single or Multi-Family) Fees listed below in this paragraph for residential new construction include all electrical installations when formula is applied to the square footage of area.

One cent per square foot plus \$1.00 for permit issuance.

One-half cent per square foot for detached or attached garages on the same service.

(b) Hotels and Motels Use regular fee schedule below for all areas except garages.

One-half cent per square foot for detached or attached garages on the same service in hotel or motel occupancies.

(c) Commercial, Industrial, Assembly Building and All Alterations Use regular Fee Schedule.

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(d) Regular Fee Schedule (listed alphabetically)

Minimum Permit Fee of \$1.00 for each service on permit,
plus fees as listed below for installations.

Cooking Appliances:

For each electrical range (standard)-----	\$.50
For cooking units with oven (domestic)-----	.50
For each additional oven (domestic)-----	.50
For each electric range (commercial)-----	.50
For ovens (commercial) not over 15,000 W-----	1.50
For ovens (commercial) over 15,000 W-----	3.00
For each fry-kettle, toaster, waffle iron, coffee maker or cooking device under 3,000 W-----	1.00
For each fry-kettle, toaster, waffle iron, coffee maker or cooking device 3,000 W or over-----	1.50

Fixtures:

Fixtures, each-----	.20
Mercury vapor fixture, or transformer, first-----	1.00
Additional mercury vapor fixture, each-----	.20

Generators:

Not more than 5 kw-----	3.00
Over 5 kw and not over 15 kw-----	5.00
over 15 kw-----	10.00

NOTE: For the inspection of the installation of any motor generator set, the same fee shall be charged as provided for the motor of the same HP, but no charge shall be made for the generator installation when in connection with any such motor generator set.

Heaters and Heating Appliances - Hair Dryers:

For each air heater including 1,650 W-----	.50
For each air heater over 1,650 W-----	1.00
For each water heater-----	1.00
For each hair dryer-----	.50
For infra-red drying units not over 15,000 W-----	1.50
For infra-red drying units over 15,000 W-----	3.00
For kilns-----	1.00

Home Appliances:

Clothes dryer-----	.50
Dishwasher-----	.50
Furnace-----	.50
Garbage disposal-----	.50
Kitchen fan-----	.50

Miscellaneous:

For each moving picture machine, including sound equipment used in connection therewith-----	\$ 2.50
For each ceiling fan-----	1.00
For other permanently connected fans with a motor of not more than 1/2 HP-----	1.00
For all motors (permanently connected fans) same as indicated in motor table of fees - See Table	
For each X-ray machine-----	2.50
For each sterilizer-----	1.00
For each dental unit-----	1.00
For each barber pole-----	1.00
For each capacitor over 5 kva capacity-----	1.00
For each welder of the transformer type-----	1.50
For each self-contained vegetable and meat case-----	1.00
For each deep freeze box-----	1.00
For each beverage and ice cream cabinet-----	1.00
For each drinking fountain-----	.50
For each show case with lights-----	1.00
For each time clock-----	.50
For each building moved to a new location-----	2.00
For each unitized type kitchen-----	2.50

Motors:

Not over 1 HP-----	.50
Over 1 HP and not over 3 HP-----	1.50
Over 3 HP and not over 8 HP-----	2.00
Over 8 HP and not over 15 HP-----	2.50
Over 15 HP and not over 50 HP-----	3.00
Over 50 HP and not over 100 HP-----	5.00
Over 100 HP and not over 500 HP-----	10.00
Over 500 HP-----	15.00
Extra outlet for portable motors over 2 HP each-----	1.00

Outlets For Commercial, Hotel, Motels, Existing Residential, Parking and Christmas Lots:

First 20 outlets, each-----	.20
Additional outlets, each-----	.10
For each 5 ft. or fraction thereof multi-assemble-----	.10
For each multiple appliance outlet assemble-----	1.00

Signs and High Potential Gas Tube Lighting:

One sign and one transformer-----	2.00
Each additional sign and one transformer at the same location (same building)-----	1.00
For each extra transformer, flasher or time clock-----	.50
Each additional sign and one transformer on same lot-----	2.00
Sign and one transformer moved to a new location-----	2.00
For each additional sign and transformer moved to the same new location-----	1.00

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Signs and High Potential Gas Tube Lighting: (continued)

For altering an existing sign-----\$ 1.00
 For connecting (hook-up) of each sign or decorative
 outline tube----- 1.00

Lamp Holding Devices Used on Signs or Marquees:

For each lamp holding device used in connection with
 a sign or marquee: from 1 to 20 inclusive, each----- .05
 Next 100, each----- .03
 For each additional----- .01

Temporary, Permanent or Construction Poles:

For temporary, permanent or construction poles, each----- 1.00

Transformers:

Not over 1/2 kw----- .50
 Over 1/2 kw and not over 1 kw----- 1.00
 Over 1 kw and not over 5 kw----- 1.50
 Over 5 kw and not over 10 kw----- 2.00
 Over 10 kw and not over 15 kw----- 2.50
 Over 15 kw and not over 25 kw----- 3.00
 Over 25 kw and not over 50 kw----- 4.00
 Over 50 kw and not over 100 kw----- 5.00
 Over 100 kw and not over 500 kw----- 7.50
 Over 500 kw----- 10.00

NOTE: For any electrical work for which a Building Permit is not required but for which no fee is herein provided, it shall be \$1.00 for inspection plus 10 cents per mile round trip.

Section 5 - Inspections

(a) All electrical work shall be inspected by the Building Department to insure compliance with the requirements of this ordinance.

(b) It shall be the duty of the person doing the work authorized by the permit to notify the Building Department that said work is ready for inspection. Such notification shall be given not less than 24 hours before the inspection is desired and, in the case of rough wiring inspection, should be coordinated with building frame and rough-in plumbing inspection.

(c) No part of the wiring installation shall be hidden from view by the permanent placement of parts of the building prior to inspection and approval by the Building Department. The Building Official shall have the authority to remove or require the removal of, any obstruction that prevents proper electrical inspection.

Section 6 - Connection to Installation

(a) It shall be unlawful and a violation of this ordinance for any person, firm or corporation to make connection from a source of electrical energy or to supply electric service to any electric wiring devices, appliances or equipment for the installation of which a permit is required, unless such person, firm or corporation shall have obtained satisfactory evidence from the Building Department that such wiring, devices, appliances or equipment are in all respects in conformity with all applicable laws and ordinances.

(b) It shall be unlawful and a violation of this ordinance for any person, firm or corporation to make connections from a source of electrical energy or to supply electric service to any electric wiring, devices, appliances or equipment which has been disconnected or ordered to be disconnected by the Building Department, or the use of which has been ordered by the Building Department to be discontinued until a certificate of approval has been issued by the Building Department authorizing the reconnection and use of such wiring, devices, appliances or equipment. The Building Department shall notify the serving utility of such order to discontinue use.

Section 7 - Non-Liability of the County

This ordinance shall not be construed to relieve from responsibility any party owning, operating, controlling, or installing any electric wiring, electric devices, or electrical material for damages to persons or property caused by any defect therein, nor shall the County be liable for certificate of inspection issued.

Section 8 - Appeals

The U.B.C. Board of Appeals, designated by the Board of County Commissioners, will act as the Board of Appeals pertaining to this ordinance.

Section 9 - General Conditions**Service Entrance Conductors:**

(a) Service entrance conductors shall not be run within the horizontal hollow spaces of frame buildings unless provided with over current protection at their outer end.

(b) All electrical wiring and equipment exposed to the weather shall be of rain tight (NEMA 3R) standard.

(c) Each building shall be served by one main disconnect switch that shall disconnect all electrical circuits except water heater, emergency fire alarm, or exit lights which shall be individually disconnected. They shall all be on the outside of the building or in electrical room not be in furnace or boiler room and to be accessible to the outside of the building.

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Section 9 - General Conditions (continued)

(d) The minimum requirements for all dwellings of seven hundred fifty (750) square feet of floor area or over, and all commercial buildings, shall be three (3) No. 1 copper stranded wire in one and one-half inch (1½") metal raceway feeding a 120/240 volt - 100 ampere main disconnect switch.

Raceway - 1½" trade size
 Conductors - 3 No. 1 AWG TW (or equivalent in current carrying capacity)
 Fusible Switch - 100 ampere or
 Main Breaker - 100 ampere

Provisions shall be made in the branch circuit panel for 100 amp bussing and a minimum of 16 single pole overcurrent protective device spaces in addition to the main switch or main breaker.

(e) Any dwelling of less than seven hundred fifty (750) square feet of floor area may have less than one hundred (100) ampere service at Electrical Inspector's discretion but in no event less than one 120/240 volt sixty (60) ampere service.

Raceway - 1½" trade size (1½" Conduit required for Periscope Riser)
 Conductors - 3 No. 4 AWG TW (or equivalent in current carrying capacity)
 Fusible Switch - 60 ampere or
 Main Breaker - 60 ampere

Provisions shall be made in the branch circuit panel for a minimum of 10 single pole overcurrent protective device spaces in addition to the main switch or circuit breaker.

(f) Service Entrance Equipment Pole

The minimum requirements for all service entrance equipment poles (permanent and temporary) shall be:

1. Construction grade solid timber (not laminated) having a minimum cross-section of 6"x6" or a circular pole having a minimum top circumference of 16 inches. Sixteen (16) feet in height above ground. Poles shall be properly installed four (4) feet deep or in a manner approved by the Building Department and servicing Utility Company.
2. Permanent service pole shall be treated with an approved wood preservative according to the standards of the servicing Utility Company.

(g) Service Entrance Equipment

The minimum services for all permanent use shall be 60 amp-120/240 volts. All switches, circuit breakers, receptacles,

control equipment, and metering devices shall be rain tight (NEMA 3R) standard equipment. Smaller services, for temporary and some permanent use, may be installed with the approval of the Electrical Inspector.

(h) The minimum conductor size for all 120 and 240 volt branch circuits shall be AWG #12.

(i) A non-metallic sheathed cable shall contain a grounding conductor with the sheath.

(j) All non-metallic wiring system outlet, junction boxes, cabinet panel and other boxes or enclosures shall be bonded to the grounding conductor, to provide a continuous fault return path according to Article 250 of the 1962 National Electrical Code.

(k) Non-metallic wiring systems shall be secured to boxes and enclosures by approved clamps or fittings. (N.E.C. 370 - 7 (b)).

(l) All commercial buildings and all multi-family dwellings of three (3) family occupancy and over, shall be wired in EMT, rigid metallic conduit or flexible metallic conduit; one-half ($\frac{1}{2}$) inch minimum, installed with fittings approved by the Electrical Inspector.

(m) Bonding Approved grounding type bushings shall be used in all metallic raceway wiring systems where connected to metallic boxes and enclosures through concentric and eccentric knock outs.

(n) Underground Cable A minimum depth of twenty-four (24) inches shall be maintained for all Service Entrance conductors and cables buried directly in the earth. A minimum depth of eighteen (18) inches shall be maintained for all Branch Circuit Conductors and cables. All conductors and cables shall be embedded in six (6) inches of fine sand (3 inches under and 3 inches above conductors and cables) and a minimum of 2"x6" redwood covering board.

(o) Low Voltage All low voltage wiring that operates at 50 volts or less (e.g., Keno circuits, slot machines, juke boxes, coin-operated amusement machines, communication circuits except Telephone circuits, control circuits, fire and burglar alarm circuits, public address and radio systems, remote control circuits, low voltage power circuits, etc.) in or on any commercial or industrial building, shall be in a UL approved raceway, except certain fire alarm systems wherein special cable must be run exposed as it shall act as a thermostat to sound the signal and is further arranged to sound a trouble signal in the event of breakage in the wire. All such circuits which involve signals which protect human life such as nurses call signals in hospitals, etc., shall be in a UL approved raceway irrespective of the voltage involved.

(p) Knob and tube wiring, and BX (Armored Cable) shall not be used in or on any type of building in the County of Washoe.

(q) Furnace Rooms All furnace rooms in buildings of Uniform Building Code groups A-B-C-D-E-F-G-H will require a disconnect means outside a furnace room conveniently located to disconnect all Boiler and Furnace or Fuel Controls therein in case of emergency.

Section 10 - Minimum Requirements for all Dwellings

(a) Small Appliance Circuits In addition to required fixed appliance circuits there shall be a minimum of two 20 amp capacity branch circuits installed for the small appliance load in kitchens. The required number of kitchen receptacles (20A-125V) shall be divided equally between these two circuits. These kitchen circuits may be extended to supply receptacles in pantry, dinette, breakfast room and dining room, but shall not supply other receptacles. No more than six receptacles shall be connected to each circuit and shall not include the outlets for clock and/or fan. Clock and fan outlets may be connected to lighting circuits.

(b) Appliance Receptacles All appliance receptacles shall be rated at not less than (20 amp-125V) 20 amperes, said receptacles shall be three-wire grounding type with parallel slots and "U" shaped slot for ground and shall be permanently and effectively grounded in an approved manner.

(c) Residential In every livable room receptacle outlets shall be provided for every 12 feet of usable wall space and located so that no point along the floor line in any usable wall space is more than six feet from an outlet in that space. (A usable wall space is any space three feet wide or greater).

(d) Lighting Outlets Each single family dwelling and each occupancy of a multi-family dwelling shall have not less than one general lighting branch circuit with a maximum of eight (8) outlets per circuit installed.

(e) Convenience Outlet Circuits Each single family dwelling and each occupancy of a multi-family dwelling shall have at least one twenty (20) ampere convenience outlet circuit with a maximum of eight (8) convenience outlets per circuit.

(f) Convenience Outlet Receptacles All 120 volt convenience outlet receptacles shall be of a grounding type and rated not less than 15 amperes and 125 volts. Such receptacles shall have contacts which will accept a standard parallel blade attachment plug cap and plug cap having parallel circuit contacts and a round or half-round grounding contact. The grounding contact or terminal shall be connected to an approved grounding electrical system.

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(g) Requirements Per Room Every room shall have at least one switched general lighting outlet. Living rooms, bedrooms, family rooms, and dens may be excepted, provided at least one switched wall receptacle is installed.

(h) Attic and Underfloor Furnaces A switched light outlet shall be provided at every furnace location; the switch shall be conveniently located inside the passage opening.

(i) Bathrooms All bathrooms or part baths shall have at least one (1) grounded type receptacle, separated from fixture.

(j) No pull chain lighting fixture shall be installed within eight (8) feet of accessible water piping or grounded surfaces.

(k) Closets Any walk-in closet of more than twenty (20) square feet of floor area shall have a light fixture; fixtures in clothes closets shall be installed on the ceiling or on the wall above the door.

(l) Appliances Each appliance such as garbage disposal, dishwasher, washing machines, dryers, furnaces, and built-in heaters, or any other fixed appliance of 1/3 HP or 1500 watts or more shall be on a separate branch circuit.

(m) Grounding of all service entrance equipment shall comply with Article 250 of the 1962 Edition of the National Electric Code.

(n) No convenience outlet or appliance shall be installed or operated on a general lighting branch circuit in any occupancy, except as provided in Section 14A.

(o) Telephone Outlet An electrical contractor shall install one telephone circuit conduit 3/4" minimum from the point of telephone line attachment on the outside of building to a conveniently located outlet in each occupancy or dwelling unit.

Section 11 - Swimming Pools

(a) Swimming pools shall comply with Article 680 of the 1962 National Electric Code except that all lighting systems shall not exceed 12 volts.

(b) Reflector Pools and Display Fountains The illumination systems of all reflector pools and display fountains shall comply with the 1962 National Electric Code and to not exceed 12 volts. An approved fail-safe ground detector system may be authorized by the Electrical Inspector.

Section 12 - Trailers

(a) The minimum services for all Mobile homes shall be 60 ampere 120/240 volt.

Section 12 - Trailers (continued)

(b) Trailer Parks Calculation of load for trailer spaces shall be computed in accordance with Chapter 9 - Example #4 of the 1962 National Electric Code.

(c) Receptacles Receptacles for supplying current to the Mobile home shall be of an approved type with a minimum rating of 60 amps. 120/240 volts. Said receptacle shall be designed to receive a 4-Pole, 4-Wire attachment plug cap.

Section 13 - Signs

All electric outdoor signs shall be installed on separate circuits and a disconnect switch at each sign for protection of sign servicemen. Sign circuits will also be protected in circuit panel.