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NO. 349008

Bill#923, Ord.748

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July

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PROOF OF PUBLICATION

STATE OF NEVADA,
COUNTY OF WASHOE

ss. Mary Lynda Burke

88-634

being first duly sworn, deposes and says: That as the legal clerk of the RENO GAZETTE-JOURNAL, a daily newspaper published in Reno, Washoe County, State of Nevada, that the notice _____ County Ordinance

_____ of which a copy is hereto attached, was first published in said newspaper in its issue dated the 15th day of July, 19 88 and, 22, 1988, the full period of 2 days, the last publication thereof being in the issue of July 22 19 88.

Signed Mary Lynda Burke

Subscribed and sworn to before me this

22nd day of July, 19 88

Alice L. Buffalo
Notary Public

NOTICE OF COUNTY ORDINANCE PUBLIC NOTICE IS HEREBY GIVEN that Bill No. 923, Ordinance No. 748, entitled, "An ordinance amending the Washoe County Code by repealing provisions relating to the 1987 edition of the National Electrical Code, adopting the 1987 edition of the National Electrical Code with changes, and revising the code number of other sections of the Washoe County Code", was adopted on July 11, 1988, by Commissioners Beck, Cornwall, Lillard, McDowell & Williams.

Typewritten copies of the ordinance are available for inspection by all interested persons at the office of the County Clerk.

Judi Bailey, County Clerk
349008 - Bill 923, Ord 748
July 15, 22 - dd133

ALICE L. BUFFALO
Notary Public - State of Nevada
Appointment Recorded in Washoe County
MY APPOINTMENT EXPIRES JUNE 5, 1989

SUMMARY: Amends Washoe County Code by adopting and amending provisions of the National Electrical Code.

BILL NO. 923

ORDINANCE NO. 748

AN ORDINANCE AMENDING THE WASHOE COUNTY CODE BY REPEALING PROVISIONS RELATING TO THE 1987 EDITION OF THE NATIONAL ELECTRICAL CODE, ADOPTING THE 1987 EDITION OF THE NATIONAL ELECTRICAL CODE WITH CHANGES, AND REVISING THE CODE NUMBER OF OTHER SECTIONS OF THE WASHOE COUNTY CODE.

THE BOARD OF COUNTY COMMISSIONERS OF THE COUNTY OF WASHOE DO ORDAIN:

SECTION 1. Chapter 100 of the Washoe County Code is hereby amended by adding thereto the provisions set forth in sections 2 to 43, inclusive, of this ordinance.

SECTION 2.

100.250 The National Electrical Code: Adoption; definition.

1. The National Electrical Code, a copy of which has been placed on file in the office of the county clerk, together with such changes as are necessary to make the same applicable to conditions in Washoe County and such other changes as are desirable, which changes are contained in sections 100.255 to 100.455, inclusive, are hereby adopted by reference, incorporated herein and made a part hereof, and shall regulate all matters contained therein.

2. As used in sections 100.250 to 100.450, inclusive, "National Electrical Code" means the 1987 Edition of the National Electrical Code adopted by the National Fire Protection Association.

SECTION 3.

100.255 Title. Sections 100.250 to 100.455, inclusive, shall be known as the "Electrical Code," may be cited as such and will be referred to herein as "this code" or "N.E.C."

SECTION 4.

100.260 Article 90 of N.E.C. amended: Existing electrical systems and equipment. Article 90 of the N.E.C. is amended by adding:

90-9. Application to existing electrical systems and

equipment.

(a) General. Electrical systems and equipment to which additions, alterations or repairs are made shall comply with all the requirements of this code for new facilities except as specifically provided in this section.

(b) Additions, alterations or repairs. Additions, alterations or repairs may be made to any electrical system and equipment without requiring the existing electrical system and equipment to comply with all the requirements of this code, provided the addition, alteration or repair conforms to that required for a new electrical system and equipment and provided further that no hazard to life, health or safety will be created by such additions, alterations or repairs.

Minor additions, alterations and repairs to existing electrical system and equipment may be made in accordance with the law in effect at the time the original installation was made, when approved by the building official.

(c) Existing installations. Electrical systems and equipment lawfully in existence at the time of the adoption of this code may have their use, maintenance or repair continued if the use, maintenance or repair is in accordance with the original design and no hazard to life, health or property has been created by such electrical system and equipment.

(d) Changes in building occupancy. Electrical systems and equipment which are a part of any building or structure undergoing a change in use or occupancy, as defined in the Building Code, shall comply with all requirements of this code which may be applicable to the new use or occupancy.

(e) Maintenance. All electrical systems and equipment, both existing and new, and all parts thereof shall be maintained in a proper operating condition in accordance with the original design and in a safe and hazard-free condition. All devices or safeguards which are required by this code shall be maintained in conformance with this code. The owner or his designated agent shall be responsible for the maintenance of the electrical system. To determine compliance with this subsection, the building official may cause any electrical system to be reinspected.

(f) Moved building. Electrical systems and equipment which are a part of buildings or structures moved into or within the jurisdiction shall comply with the provisions of this code for new installations.

SECTION 5.

100.265 Article 90 of N.E.C. amended: Definitions.
Article 90 of the N.E.C. is amended by adding:

90-10. Definitions.

1. Scope. These definitions are intended to apply wherever the terms are used throughout this code, and are intended to supercede conflicting definitions in article 100.

2. General. For the purpose of these provisions, certain terms, phrases, words and their derivatives shall be construed as specified in this section. Where terms are not defined, they shall have their ordinarily accepted meanings within the context with which they are used. Webster's Third New International Dictionary of the English Language, Unabridged, copyright 1981, shall be considered as providing ordinarily accepted meanings. Words used in the singular include the plural and the plural the singular. Words used in the masculine gender include the feminine and the feminine the masculine.

"Approved," as to materials, equipment and method of construction refers to approval by the building official as the result of investigation and tests conducted by him, or by reason of accepted principles or tests by recognized authorities, technical or scientific organizations.

"Approved agency" is an established and recognized agency regularly engaged in conducting tests or furnishing inspection services, when such agency has been approved by the building official.

"Building code" is the Uniform Building Code promulgated by the International Conference of Building Officials, as adopted by this jurisdiction.

"Building official" is the officer charged with the administration and enforcement of this code, or his duly authorized representative, and is the authority having jurisdiction for this code.

"Chief electrical inspector" shall be the person providing expertise for the building official in the area of electrical regulation.

"Code enforcement agency" is the department, division or agency of this jurisdiction charged with the function of code enforcement and shall be under the administration and operational control of the building official.

"Electrical code" is the National Electrical Code promulgated by the National Fire Protection Association, as adopted by this jurisdiction.

"Firewall" is the same as an area separation wall as used in the building code.

"Listed" and "listing" are terms referring to equipment and materials which are shown in a list published by an approved testing agency, qualified and equipped for experimental testing and maintaining an adequate periodic inspection of current productions and whose listing states that the equipment complies with recognized safety standards.

"Multiple occupancy building" is a building having more

than one tenant and may be of single or mixed use groups as classified by the building code.

"Occupancy" is the purpose for which a building, or part thereof, is used or intended to be used.

SECTION 6.

100.270 Article 90 of N.E.C. amended: Conflicting provisions. Article 90 of the N.E.C. is amended by adding:

90-11. Conflicting provisions. Where, in any specific case, different sections of this code specify different materials, methods of construction or other requirements, the most restrictive shall govern.

SECTION 7.

100.275 Article 90 of N.E.C. amended: Alternate materials and method of construction. Article 90 of the N.E.C. is amended by adding:

90-12. Alternate materials and methods of construction. The provisions of this code are not intended to prevent the use of any material or method of construction not specifically prescribed by this code, provided any alternate has been approved and its use authorized by the building official.

The building official may approve any alternate, provided he finds that the proposed design is satisfactory and complies with the provisions of this code and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in suitability, strength, effectiveness, fire resistance, durability and safety.

The building official shall require that sufficient evidence or proof be submitted to substantiate any claims regarding the use of alternates. The details of any action granting approval of an alternate shall be recorded and entered in the files of the code enforcement agency.

SECTION 8.

100.280 Article 90 of the National Electrical Code amended: Modifications. Article 90 of the National Electrical Code is amended by adding:

90-13. Modifications. Whenever there are practical difficulties involved in carrying out the provisions of this code, the building official may grant modifications for individual cases, provided he shall first find that a special individual reason makes the strict letter of this

code impractical and the modification is in conformity with the intent and purpose of this code, and that such modification does not lessen health, life and fire safety requirements. The details of actions granting modifications shall be recorded and entered in the files of the code enforcement agency.

SECTION 9.

100.285 Article 90 of the National Electrical Code amended: Tests. Article 90 of the National Electrical Code is amended by adding:

90-14. Tests. Whenever there is insufficient evidence of compliance with any of the provisions of this code or evidence that materials or construction do not conform to the requirements of this code, the building official may require tests as evidence of compliance to be made at no expense to this jurisdiction.

Test methods shall be as specified by this code or by other recognized test standards. In the absence of recognized and accepted test methods for the proposed alternate, the building official shall determine test procedures.

All tests shall be made by an approved agency. Reports of such tests shall be retained by the building official for the period required for the retention of public records.

SECTION 10.

100.290 Article 90 of the National Electrical Code amended: Powers and duties of building official. Article 90 of the National Electrical Code is amended by adding:

90-15. Powers and duties of building official.

(a) General. The building official is hereby authorized and directed to enforce all the provisions of this code. For such purposes, he shall have the powers of a law enforcement officer.

(b) Deputies. In accordance with prescribed procedures and with the approval of the appointing authority, the building official may appoint a chief electrical inspector and other related technical officers and inspectors and other employees as shall be authorized from time to time.

(c) Right of entry. Whenever necessary to make an inspection to enforce any of the provisions of this code, or whenever the building official or his authorized representative has reasonable cause to believe that there exists in any building or upon any premises any condition or code violation which makes such building or premises unsafe, dangerous or hazardous, the building official or

his authorized representative may enter such building or premises at all reasonable times to inspect the same or to perform any duty imposed upon the building official by such codes, provided that if such building or premises be occupied, he shall first present proper credentials and request entry. If such building or premises is unoccupied, he shall first make a reasonable effort to locate the owner or other persons having charge or control of the building or premises and request entry. If entry be refused, the building official or his authorized representative shall have recourse to every remedy provided by law to secure entry.

When the building official or his authorized representative shall have first obtained a proper inspection warrant or other remedy provided by law to secure entry, no owner or occupant or any other persons having charge, care or control of any building or premises shall fail or neglect, after proper request is made as herein provided, to promptly permit entry therein by the building official or his authorized representative for the purpose of inspection and examination pursuant to this code.

(d) Stop orders. Whenever any work is being done contrary to the provisions of this code, the building official may order the work stopped by notice in writing served on any persons engaged in the doing or causing such work to be done, and any such persons shall forthwith stop such work until authorized by the building official to proceed with the work.

(e) Authority to disconnect utilities. In case of emergency where necessary to eliminate an immediate hazard to life or property or in case of any work which requires a permit being done without a permit, whether or not a hazard is created by such work, the building official or his authorized representative shall have the authority to disconnect any electric power or energy service supplied to the building, structure or equipment therein regulated by this code. The building official shall whenever possible notify the serving utility, the owner and occupant of the building, structure or electrical system or equipment, in writing, of such disconnection immediately thereafter.

(f) Authority to condemn electrical system and equipment. Whenever the building official ascertains that any electrical system or equipment regulated in this code has become hazardous to life, health or property, he shall order in writing that such electrical system or equipment either be removed or restored to a safe condition, whichever is appropriate. The written notice itself shall fix a time limit for compliance with such order.

No person shall use or maintain defective electrical system or equipment after receiving such notice.

When such equipment or installation is to be disconnect-

ted, a written notice of such disconnection and causes therefor shall be given within 24 hours of the order to disconnect to the serving utility, the owner and occupant of such building, structure or premises.

(g) Connection after order to disconnect. No person shall make connections from any energy or power supply nor supply power to any electrical system or equipment which has been disconnected or ordered to be disconnected by the building official or the use of which has been ordered to be discontinued by the building official until the building official authorizes the reconnection and use of such electrical system equipment.

(h) Cooperation of other officials and officers. The building official may request, and shall receive so far as is required in the discharge of his duties, the assistance and cooperation of other officials of this jurisdiction.

SECTION 11.

100.295 Article 90 of the National Electrical Code amended: Unsafe Electrical Systems or Equipment. Article 90 of the National Electrical Code is amended by adding:

90-16. Unsafe Electrical Systems and Equipment.

(a) All electrical systems or equipment regulated by this code which are unsafe, or which constitute a fire hazard, or are otherwise dangerous to human life are, for the purpose of this section, unsafe. Any use of electrical systems or equipment regulated by this code constituting a hazard to safety, health or public welfare by reason of inadequate maintenance, dilapidation, obsolescence, fire hazard, disaster, damage or abandonment is, for the purpose of this section, an unsafe use.

(b) All such unsafe electrical systems or equipment are hereby declared to be public nuisances and shall be abated by repair, rehabilitation, demolition or removal in accordance with the procedures set forth in the Uniform Code for the Abatement of Dangerous Buildings or such alternate procedure as may be adopted by this jurisdiction. As an alternative, the building official or other employee or official of this jurisdiction as designated by the governing body may institute any other appropriate action to prevent, restrain, correct or abate the violation.

SECTION 12.

100.300 Article 90 of the National Electrical Code amended: Board of Appeals. Article 90 of the National Electrical Code is amended by adding:

90-17. Board of Appeals. In order to determine the suitability of alternate materials and methods of instal-

lation and to provide for reasonable interpretations of this code, there shall be and is hereby created a board of appeals. The board of appeals and procedures relating thereto shall be the same as adopted by Washoe County Code 100.045.

SECTION 13.

100.305 Article 90 of the National Electrical Code amended: Violations and Penalty. Article 90 of the National Electrical Code is amended by adding:

90-18. Violations and Penalty.

(a) It shall be unlawful for any person, firm or corporation to erect, install, construct, enlarge, alter, repair, replace, move, improve, remove, convert, demolish, equip, use, maintain or remodel any electrical system or equipment or cause or permit the same to be done in violation of this code.

(b) Any person violating any of the provisions of this code is guilty of a misdemeanor, and each such person is guilty of separate offense for each day or portion thereof during which any violation of any of the provisions of the code, is committed, continued or permitted. Upon conviction of any such violation, such person shall be punished by a fine of not more than \$1,000 or by imprisonment in the county jail for not more than 6 months, or by both such fine and imprisonment.

SECTION 14.

100.310 Article 90 of the National Electrical Code amended: Permits; Exemptions. Article 90 of the National Electrical Code is amended by adding:

90-19. Permits; Exemptions.

(a) Permits required. Except as specified in subsection (b), it shall be unlawful for any person, firm or corporation to erect, install, construct, enlarge, alter, repair, replace, move, improve, remove, convert, demolish, equip, use, maintain or remodel any electrical system or equipment regulated by this code, or cause the same to be done without first obtaining a separate electrical permit for each building or structure.

(b) Exempt work. 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 connected to an approved receptacle when that cord or cable is permitted by this code.

(2) Repair or replacement of fixed motors, transformers or fixed approved appliances of the same type and

rating in the same location.

- (3) Temporary decorative lighting.
- (4) Repair or replacement of current-carrying parts of any switch, contactor or control device.
- (5) Reinstallation of attachment plug receptacles, but not the outlets therefor.
- (6) Repair or replacement of any overcurrent 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) Taping joints.
- (9) Removal of electrical wiring.
- (10) Temporary wiring for experimental purposes in suitable experimental laboratories.
- (11) The wiring for temporary theater, motion picture or television stage sets.
- (12) Electrical wiring, devices, appliances, apparatus or equipment operating at less than 25 volts and not capable of supplying more than 50 watts of energy.
- (13) Low energy power, control and signal circuits of Classes II and III as defined in this code.
- (14) A permit shall not be required for the installation, alteration or repair of electrical wiring, apparatus or equipment or the generation, transmission, distribution or metering of electrical energy or in the operation of signals or the transmission of intelligence by a public or private utility in the exercise of its function as a serving utility.
- (15) Carnivals and circuses.

Exemption from the permit requirements of this code shall not be deemed to grant authorization for any work to be done in violation of the provisions of this code or any other pertinent laws or ordinances.

SECTION 15.

100.315 Article 90 of the National Electrical Code amended: Application for Permit. Article 90 of the National Electrical Code is amended by adding:

90-20. Application for Permit.

(a) Application. To obtain a permit, the applicant shall first file an application therefor in writing on a form furnished by the code enforcement agency for that purpose. Every such application shall:

- (1) Identify and describe the work to be covered by the permit for which application is made.
- (2) Describe the land on which the proposed work is to be done by legal description, street address or similar description that will readily identify and definitely locate the proposed building or work.

(3) Indicate the use or occupancy for which the proposed work is intended.

(4) Be accompanied by plans, diagrams, computations and specifications and other data as required in subsection (b) of this section.

(5) Be signed by permittee, or his authorized agent, who may be required to submit evidence to indicate such authority.

(6) Give such other data and information as may be required by the building official.

(b) Plans and specifications. Plans, engineering calculations, diagrams and other data shall be submitted in one or more sets with each application for a permit. The building official may require plans, computations and specifications to be prepared and designed by an engineer or architect licensed by the state to practice as such.

Exception: The building official may waive the submission of plans, calculations, etc., if he finds that the nature of the work applied for is such that reviewing of plans is not necessary to obtain compliance with this code.

(c) Information on plans and specifications. Plans and specifications shall be drawn to scale upon substantial paper or cloth and shall be of sufficient clarity to indicate the location, nature and extent of the work proposed and show in detail that it will conform to the provisions of this code and all relevant law, ordinances, rules and regulations.

Plans for buildings more than two stories in height of other than Groups R, Division 3 and M Occupancies shall indicate how required structural and fireresistive integrity will be maintained where a penetration will be made for electrical and communication conduits, pipes and similar systems.

SECTION 16.

100.320 Article 90 of the National Electrical Code amended: Permits Issuance. Article 90 of the National Electrical Code is amended by adding:

90-21. Permits Issuance.

(a) Issuance. The application, plans and specifications, and other data, filed by an applicant for permit shall be reviewed by the building official. Such plans may be reviewed by other departments of this jurisdiction to verify compliance with any applicable laws under their jurisdiction. If the building official finds that the work described in an application for a permit and the plans, specifications and other data filed therewith conform to the requirements of this code and other pertinent laws and ordinances, and that the fees specified in

section 304 have been paid, he shall issue a permit therefor to the applicant.

When the building official issues the permit where plans are required, he shall endorse in writing or stamp the plans and specifications "APPROVED." Such approved plans and specifications shall not be changed, modified or altered without authorizations from the building official, and all work shall be done in accordance with the approved plans.

The building official may issue a permit for the construction of part of an electrical system before the entire plans and specifications for the whole system have been submitted or approved, provided adequate information and detailed statements have been filed complying with all pertinent requirements of this code. The holder of such permit shall proceed at his own risk without assurance that the permit for the entire building, structure or building service will be granted.

(b) Retention of Plans. One set of approved plans and specifications shall be returned to the applicant and shall be kept on the site of the building or work at all times during which the work authorized thereby is in progress. One set of approved plans, specifications and computations shall be retained by the building official until final approval of the work.

(c) Validity of Permit. The issuance of a permit or approval of plans and specifications shall not be construed to be a permit for, or an approval of, any violation of any of the provisions of this code, or of any other ordinance of the jurisdiction. No permit presuming to give authority to violate or cancel the provisions of these codes shall be valid.

The issuance of a permit based upon plans, specifications and other data shall not prevent the building official from thereafter requiring the correction of errors in said plans, specifications and other data, or from preventing building operations being carried on thereunder when in violation of these codes or of any other ordinances of this jurisdiction.

(d) Expiration and Renewals. Procedures relating to expiration and renewal shall be the same as adopted by Washoe County Code 100.065.

(e) Suspension or Revocation. The building official may, in writing, suspend or revoke a permit issued under the provision of this code whenever the permit issued in error or on the basis of incorrect information supplied, or in violation of any ordinance or regulation of the jurisdiction.

SECTION 17.

100.325 Article 90 of the National Electrical Code amended: Fees. Article 90 of the National Electrical Code is amended by adding:

90-22. Fees.

(a) Permit Fees. The fee for each permit shall be as set forth in Table No. 3-A.

(b) Expiration on Plan Review. Applications for which no permit is issued within 180 days following the date of application shall expire by limitation, and plans and other data submitted for review may thereafter be returned to the applicant or destroyed by the building official. The building official may extend the time for action by the applicant for a period not exceeding 180 days upon request by the applicant showing that circumstances beyond the control of the applicant have prevented action from being taken. No application shall be extended more than once. In order to renew action on an application after expiration, the applicant shall resubmit plans and pay a new plan review fee.

(c) Investigation Fees: Work Without a Permit.

(1) Investigation. Whenever any work for which a permit is required by this code has been commenced without first obtaining said permit, a special investigation shall be made before a permit may be issued for such work.

(2) Fee. An investigation fee, in addition to the permit fee, shall be collected whether or not a permit is then or subsequently issued. The investigation fee shall be equal to the amount of the permit fee that would be required by this code if a permit were to be issued. The payment of such investigation fee shall not exempt any person from compliance with all other provisions of either this code nor from any penalty prescribed by law.

(d) Fee Refunds. Procedures relating to permit fee refunds shall be the same as adopted by Washoe County Code 100.075.

SECTION 18.

100.330 Article 90 of the National Electrical Code amended: Inspections. Article 90 of the National Electrical Code is amended by adding:

90-23. Inspections.

(a) General. All electrical systems and equipment for which a permit is required by this code shall be subject to inspection by the building official. No portion of any electrical system intended to be concealed shall be concealed until inspected and approved. Neither the building official nor this jurisdiction shall be liable for expense

entailed in the removal or replacement of any material required to allow inspection. When the installation of an electrical system and equipment is complete, an additional and final inspection shall be made. Electrical systems and equipment regulated by this code shall not be connected to the energy source until authorized by the building official.

(b) Operation of electrical equipment. The requirements of this section shall not be construed to prohibit the operation of any electrical system or equipment installed to replace existing equipment. The request for inspection of such equipment must have been filed with the building official not more than 48 hours after such replacement work is completed and before any portion of such electrical system is concealed by any permanent portion of the building.

(c) Inspection Requests. It shall be the duty of the person doing the work authorized by a permit to notify the building official that such work is ready for inspection. The building official may require that every request for inspection be filed at least one working day before such inspection is desired. Such request may be in writing or by telephone at the option of the building official.

It shall be the duty of the person requesting inspections required by this code to provide access to and means for proper inspection of such work.

(d) Other Inspections. In addition to the called inspections required by this code, the building official may make or require other inspections of any work to ascertain compliance with the provisions of this code and other laws which are enforced by the code enforcement agency.

(e) Reinspections. A reinspection fee may be assessed for each inspection or reinspection when such portion of work for which inspection is called is not complete or when corrections called for are not made.

This provision is not to be interpreted as requiring reinspection fees the first time a job is rejected for failure to comply with the requirements of this code, but as controlling the practice of calling for inspections before the job is ready for such inspection or reinspection.

Reinspection fees may be assessed when the approved plans are not readily available to the inspector, for failure to provide access on the date for which inspection is requested, or for deviating from plans requiring the approval of the building official.

To obtain a reinspection, the applicant shall file an application therefor in writing upon a form furnished for that purpose, and pay the reinspection fee in accordance with Table No. 3-A.

In instances where reinspection fees have been assessed, no additional inspection of the work will be performed until the required fees have been paid.

SECTION 19.

100.335 Article 90 of the National Electrical Code amended: Connection Approval. Article 90 of the National Electrical Code is amended by adding:

90-24. Connection Approval.

(a) Energy Connections. Any electrical system or equipment regulated by this code and for which a permit is required shall not be connected to a source of energy or power until approved by the building official.

(b) Temporary Connections. The building official may authorize the temporary connection of the electrical system or equipment to the source of energy or power for the purpose of testing the equipment, or for use under a temporary certificate of occupancy.

SECTION 20.

100.340 Article 90 of the National Electrical Code amended: Table No. 3-A--Electrical Permit Fees. Article 90 of the National Electrical Code is amended by adding:

90-25. Table No. 3-A--Electrical Permit Fees.

Permit Issuance	
For issuing each permit	\$10.00

System Fee Schedule
 (Note: The following do not include permit-issuing fee)
 New residential buildings
 The following fees shall include all wiring and electrical equipment in or on each building, or other electrical equipment on the same premises constructed at the same time.

For new multifamily residential buildings (apartments and condominiums) having two or more living units not including the area of garages, carports and other noncommercial automobile storage areas constructed at the same time, per square foot.... .02

For new single and two-family residential buildings not including the area of garages, carports and other minor accessory buildings constructed at the same time, per square foot... .025

For other types of residential occupancies, garages, minor accessory buildings, alterations, additions and modifications to existing residential buildings, per square foot..... .015

Private swimming pools

For new private, residential, in-ground, swimming pools for single-family and multifamily occupancies including a complete system of necessary branch circuit wiring, bonding, grounding, underwater lighting, water pumping and other similar electrical equipment directly related to the operation of swimming pool, each.....\$10.00

For other types of swimming pools, therapeutic whirlpools, spas and alterations to existing swimming pools, use the UNIT FEE SCHEDULE.

Power Service

For a service power pole or pedestal including all pole or pedestal-mounted receptacle outlets and appurtenances, each.....\$10.00

For a temporary distribution system and temporary lighting and receptacle outlets for construction sites, decorative light, Christmas tree sales lots, firework stands, etc., each..... 5.00

UNIT FEE SCHEDULE

(Note: The following do not include permit issuing fee)

Receptacle, Switch and Lighting Outlets

For receptacle, switch, lighting or other outlets at which current is used or controlled, except services, feeders and meters.

First 20, each..... .50

Additional outlets, each..... .30

Note: For multioutlet assemblies, each 5 feet or fraction thereof may be considered as one outlet.

Lighting Fixtures

For lighting fixtures, sockets or other lamp-holding devices	
First 20, each.....	.50
Additional fixtures, each.....	.30
For pole or platform-mounted lighting fixtures, each.....	.50
For theatrical-type lighting fixtures or assemblies, each.....	.50

Residential Appliances

For fixed residential appliances or receptacle outlets for same, including wall-mounted electric ovens; counter-mounted cooking tops; electric ovens; self-contained room, console, or through-wall air conditioners; space heaters; food waste grinders; dishwashers; washing machines; water heaters; clothes dryers; or other motor-operated appliances not exceeding one horsepower (HP) in rating, each.....	2.00
Note: For other types of air conditioners and other motor-driven appliances having larger electrical ratings, see Power Apparatus.	

Nonresidential Appliances

For residential appliances and self-contained factory-wired, nonresidential appliances not exceeding one horsepower (HP), kilowatt (KW), or kilovolt-ampere (KVA), in rating including medical and dental devices; food, beverage, and ice cream cabinets; illuminated show cases; drinking fountains; vending machines; laundry machines; or other similar types of equipment, each.....	\$2.00
Note: For other types of air conditioners and other motor-driven appliances having larger electrical ratings, see Power Apparatus.	

Power Apparatus

For motors, generators, transformers, rectifiers, synchronous converters, capacitors, industrial heating, air conditioners and heat pumps, cooking or

baking equipment and other apparatus,
as follows:

Rating in horsepower (HP), kilowatts (KW),
kilovolt-amperes (KVA) or kilovolt-amperes-
reactive (KVAR):

Up to and including 1, each.....	2.00
Over 1 and including 1, each.....	5.00
Over 10 and not over 50, each.....	10.00
Over 50 and not over 100, each.....	20.00
Over 100, each.....	30.00

Note:

1. For equipment or appliances having
more than one motor, transformer, heater,
etc., the sum of the combined ratings
may be used.

2. These fees include all switches,
circuit breakers, contactors, thermostats,
relays and other directly related
control equipment.

Busways

For trolley and plug-in-type busways, each
100 feet or fraction thereof..... 3.00

Note: An additional fee will be
required for lighting fixtures, motors
and other appliances that are connected
to trolley and plug-in-type busways. No
fee is required for portable tools.

Signs, Outline Lighting and Marquees

For signs, outline lighting systems or
marquees supplied from one branch
circuit, each..... 10.00

For additional branch circuits within
the same sign, outline lighting
system or marquee, each..... 2.00

Services

For services of 600 volts or less and
not over 200 amperes in rating, each..... \$12.50

For services of 600 volts or less and over
200 amperes to 1000 amperes in
rating, each..... 25.00

For services over 600 volts or over
1000 amperes in rating, each..... 50.00

Miscellaneous Apparatus, Conduits and Conductors

For electrical apparatus, conduits and
conductors for which a permit is required
but for which no fee is herein set forth..... 7.50

Note: This fee is not applicable when
a fee is paid for one or more services,
outlets, fixtures, appliances, power
apparatus, busways, signs or other
equipment.

Other Inspections and Fees per hour:

1. Inspections outside of normal
business hours..... 30.00
(minimum charge - two hours)
2. Reinspection fee assessed under
provisions of Section 100.330(e)..... 30.00
3. Inspections for which no fee is
specifically indicated..... 30.00
(minimum charge - one-half hour)
4. Additional plan review required by
changes, additions or revisions to
approved plans..... 30.00

SECTION 21.

100.345 Article 110 of the National Electrical Code
amended: Aluminum Electrical Connections. Article 110 of
the National Electrical Code is amended by adding:

110-14. Aluminum Electrical Connections. The following
provision shall be added:

(c) Connection of conductors to terminals shall ensure
a thoroughly good connection and shall be made by means of
an approved connector and without damage to the conductor.

All aluminum conductors size 1/0 and larger shall be
terminated with a compression type connector.

An oxidation inhibitor shall be used on all aluminum
connections.

SECTION 22.

100.350 Article 210 of the National Electrical Code
amended: Ground Fault Circuit Interrupter. Article 210
of the National Electrical Code is amended by adding:

210-70. Ground Fault Circuit Interrupter Prohibited.

(1) Lighting Outlets. At least one lighting outlet in bathrooms of dwelling units and guest rooms in hotels, or similar occupancies, shall not be installed on Ground Fault Circuit Interrupter.

(2) Smoke Detectors. All required smoke detectors in dwelling units and guest rooms in hotels, motels or similar occupancies, shall not be connected to any branch circuit protected by a Ground Fault Circuit-Interrupter device.

SECTION 23.

100.355 Article 230 of the National Electrical Code amended: Service Equipment - Disconnecting Means; Location. Article 230-70(a) of the National Electrical Code is amended by adding:

(a) Location. The service disconnecting means shall be installed outside of a building or other structure at a readily accessible location nearest the point of entrance of the service conductors. Installation shall not be more than 6 feet above finish grade or front access level to the top of the operating handle.

EXCEPTION: The service disconnecting means may be installed within a building when an external, remote shunt trip switch is provided. All shut trip switches shall be located a minimum of 7 feet above finish grade at a location approved by the Fire Department. All shunt trip switches shall be located within a 12 inch equilateral triangle red in color.

SECTION 24.

100.360 Article 240 of the National Electrical Code amended: Edison Base Fuses. Article 240 of the National Electrical Code is amended by adding:

240-51(c). Alterations in Additions. In any existing building where alterations or additions are made to any of the premises wiring, all fuse holders shall comply with Section 240-54.

SECTION 25.

100.365 Article 250 of the National Electrical Code amended: Service Equipment Bonding. Section 250-71(b) of the National Electrical Code is amended by adding:

250-71(b)(4). Bonding to other systems: A number 6 copper conductor with one end connected to the grounding conductor at the service with 6 inches or more extending outside the service equipment.

SECTION 26.

100.370 Article 250 of the National Electrical Code amended: Grounding Electrode System. Section 250-81 of the National Electrical Code is amended by adding:

250-81. Grounding Electrode System. The following shall be added as last sentence:

Concrete-Encased Electrode shall be installed in all new construction and sized not smaller than No. 4 and per Table 250-94 as amended.

SECTION 27.

100.375 Article 250 of the National Electrical Code amended: Concrete-Encased Electrode. Section 250-81(c) of the National Electrical Code is amended to read as follows:

250-81. (c). Concrete-Encased Electrode: Change to read as follows:

Concrete-Encased Electrodes shall be installed within and near the bottom of a concrete foundation or footing that is in direct contact with the earth, encased by at least 2 inches of concrete, consisting of at least 20 feet of bare copper conductor, sized not smaller than No. 4 and per table 250-94 as amended.

SECTION 28.

100.380 Article 250 of the National Electrical Code amended: Grounding Conductor; Material. Section 250-91 of the National Electrical Code is amended by adding:

250-91. Material. Whenever the term Grounding Conductor is used in this code, it shall be understood to mean only copper shall be used, except in an approved cable assembly.

SECTION 29.

100.385 Article 250 of the National Electrical Code amended: Types of Equipment Grounding Conductors. Section 250-91(b) of the National Electrical Code is amended by deleting conductor types (5) and (6); by deleting Exceptions No. 1 and No. 2, and by adding:

250-91. Any flexible type Metal Conduit System shall have a copper ground wire installed with the circuit conductors sized per table 250-95 as amended.

SECTION 30.

100.390 Article 250 of the National Electrical Code amended: Size of Alternating Current Ground Electrode Conductor. Section 250-94 of the National Electrical Code is amended by deleting all exceptions.

SECTION 31.

100.395 Article 250 of the National Electrical Code amended: Ground Electrode Conductor for AC Systems. Table 250-94 of Article 250 of the National Electrical Code is amended under the column entitled "Copper" by deleting sizes 8 and 6 and adding size 4 in place of deleted sizes 8 and 6; and is amended by deleting the column entitled "Aluminum or Copper-Clad Aluminum."

SECTION 32.

100.400 Article 250 of the National Electrical Code amended: Grounding Conductor Connections to Grounding Electrode. Section 250-112 of the National Electrical Code is amended by deleting the exception and by adding:

250-112. When split bolt type connectors are used, there shall be two installed.

SECTION 33.

100.410 Article 305 of the National Electrical Code amended: Ground Fault Protection for Personnel. Section 305-6 of the National Electrical Code is amended by adding:

305-6. Ground Fault Protection for Personnel. All 125 volt, single phase 15 and 20 ampere receptacle outlets used by employees on construction sites shall have ground fault circuit-interrupter protection for personnel.

SECTION 34.

100.415 Article 305 of the National Electrical Code amended: Assured Equipment Grounding Conductor Program. Article 305 of the National Electrical Code is amended by deleting section 305-6(b).

SECTION 35.

100.420 Article 331 of the National Electrical Code amended: Electrical Nonmetallic Tubing; Uses not Permitted. Section 331-4 of the National Electrical Code is amended by adding:

(8) Type I and Type II buildings as defined in the Uniform Building Code.

SECTION 36.

100.425 Article 333 of the National Electrical Code amended: Armored Cable. Article 333 of the National Electrical Code is amended by deleting Article 333.

SECTION 37.

100.430 Article 336 of the National Electrical Code amended: Uses Permitted. Section 336-3 of the National Electrical Code is amended by changing the first paragraph to read as follows:

336-3. Uses Permitted. Type NM and Type NMC cables shall be permitted to be used in one and two-family dwellings and multi-family dwellings, and other structures defined in the Uniform Building Code as M-1 occupancy and occupied as accessory to a dwelling unit, provided that such dwellings do not exceed three floors above grade. For the purpose of this article, the first floor of a building shall be that floor which is designed for human habitation and which has 50 percent or more of its perimeter, level with or above finished grade of the exterior wall line.

Conversion of existing dwellings to other occupancies may be made with the existing Type NM or type NMC cables with the approval of the building official.

Exception:

1. The proposed occupancy is included in Article 336-3 Uses Not Permitted for Either Type NM or Type NMC.
2. Existing wiring is in a deteriorating or hazardous condition.

SECTION 38.

100.435 Article 347 of the National Electrical Code amended: Rigid Nonmetallic Conduit; Uses Not Permitted. Section 347-3 of the National Electrical Code is amended by adding:

(f) In Type I and Type II buildings as defined in the Uniform Building Code.

SECTION 39.

100.440 Article 350 of the National Electrical Code amended: Flexible Metal Conduit; Grounding. Section 350-5 of the National Electrical Code is amended by deleting Exception No. 1, and by changing the first

sentence to read as follows:

Flexible metal conduit shall not be permitted to be used as a grounding means.

SECTION 40.

100.445 Article 370 of the National Electrical Code amended: Nonmetallic Boxes. Section 370-7 of the National Electrical Code is amended by changing the first sentence of the Exception to read as follows:

Where nonmetallic-sheathed cable is mounted in walls and where the cable is fastened within 8 inches of a box measured along the sheath and where the sheath extends into the box no less than 1/4 inch, securing the cable to the box shall not be required.

SECTION 41.

100.450 through 100.500 reserved.

SECTION 42.

100.505 Regulations regarding address numbers of residential and commercial building.

1. Requirement for affixing address numbers. Not later than May 4, 1976, every property owner of every residential dwelling, including, but not limited to, private residences, apartment units, condominium units and mobile homes, and of every commercial building located within the unincorporated area of Washoe County which does not have address numbers complying with the provisions of paragraphs 1 and 2 of this section affixed thereto shall apply for and receive from the building and safety division of the department of public works an assigned address number for such residential dwelling or commercial building.

2. Size, posting of address numbers.

(a) After being assigned an address number for a residential dwelling or commercial building shall cause the address to be posted on such structure by means of Arabic numerals not less than 4 inches in height. Such numerals shall be posted to the immediate left of the front door of a residential dwelling if such location is not visible from the street or access roadway fronting such residential dwelling. The required numerals shall be posted in a location designated by the building and safety division of the department of public works.

(b) Required numerals shall be posted on commercial buildings at a location specified by the building and safety division of the department of public works.

SECTION 43.

100.510 Energy conservation standards for new building construction.

1. "Energy Conservation Standards for New Building Construction" defined. As used in this section and section 100.325, "Energy Conservation Standards for New Building Construction" means the Energy Conservation Standards for New Building Construction established by the public works board of the State of Nevada on January 1, 1978, for all buildings, public and private, the construction of which is commenced on or after July 1, 1978.

2. Energy Conservation Standards for New Building Construction: Adoption; penalty.

a. The energy conservation standards for new building construction, a copy of which has been placed on file in the office of the county clerk, are hereby adopted by reference, incorporated herein and made a part hereof, and shall regulate all matters contained therein.

b. Any person violating any provision of the energy conservation standards for new building construction is guilty of a misdemeanor, and upon conviction shall be punished by a fine of not more than \$500 or by imprisonment in the county jail for not more than 6 months, or by both fine and imprisonment.

Such person is guilty of a separate offense for each day a violation is committed, continued, permitted or otherwise maintained.

SECTION 44.

Sections 100.250, 100.320, 100.325 and 100.330 through 100.4015, inclusive, of the Washoe County Code are hereby repealed.

SECTION 45.

Section 44 shall take effect at 8:00 a.m. on _____, 1988. Sections 1 through 43 shall take effect on 8:01 a.m. on the same day.

Proposed on the 21st day of June, 1988.
Proposed by Commissioners Lillard.
Passed on the 11th day of July, 1988.

Vote:

Ayes: Commissioners: Beck, Cornwall, Lillard, McDowell & Williams

Nays: Commissioners: None

Absent: Commissioners: None


Chairman of the Board

ATTEST:


County Clerk

This ordinance shall be in force and effect from and after
the 22nd day of July, 1988.