

AN ORDINANCE TO ADOPT AMENDMENTS TO ORDINANCE NO. 610, KNOWN AS THE SPECIALIZED ELECTRICAL ORDINANCE OF THE CITY OF LAS VEGAS BY PROVIDING STANDARDS FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT AND WIRING, METALLIC RACEWAYS, SERVICES AND GROUNDING, AND BRANCH CIRCUIT REQUIREMENTS, PROVIDING FOR THE ISSUANCE OF OWNER'S PERMITS; PROVIDING PENALTIES FOR THE VIOLATION THEREOF; PROVIDING OTHER MATTERS PROPERLY RELATED THERETO; AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT THEREWITH.

The Board of Commissioners of the City of Las Vegas do ordain as follows:

SECTION 1. There is hereby added to Ordinance No. 610 five (5) new sections to immediately follow Section 11, to be designated 11-A, 11-B, 11-c, 11-D, and 11-E which shall read as follows:

SECTION 11-A. STANDARDS FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT AND WIRING.

- (a) Installation: All electrical installations, industrial, commercial and residential, in the City of Las Vegas shall be in conformity with this code, the National Electrical Code, and with approved standards for safety to life and property.
- (b) BX (armored cable) shall not be used in any type of building in the City of Las Vegas.
- (c) Romex (Non-metallic sheathed cable) wherever used to connect any appliance or motor shall be protected from mechanical injury.
- (d) All domestic range circuits shall terminate in an approved range receptacle box.
- (e) Double locknuts and bushings shall be required on all conduit and nipples. Offset nipples shall be made up securely when used with junction boxes, panels, or gutters, to insure a firm mechanical connection and continuity of the conduit system. The number and size of conductors installed in offset nipples shall be governed by Table No. IV of the National Electrical Code.

SECTION 11-B INSTALLATION OF METALLIC RACEWAYS.

- (a) Galvanized or sherradized rigid metal conduit shall be required in concrete slabs and floors and underground. Where installed underground or in earth fills, rigid metal conduit shall be required to have at least one coat of approved asphaltic paint. Electrical Metallic Tubing may be used for both concealed and exposed work except in the following places: concrete floor slabs, underground, and in earth fills.
- (b) Flexible metallic conduit may be used if concealed by the permanent construction of the building and must be strapped at both ends and the center of each bend. Conductors may not be pulled into flexible metallic conduit until after inspection has been made. All strapping and securing of all other metal conduit and of non-metallic sheathed cable shall be 18" from each box or junction and not less than every 5 ft. thereafter.

SECTION 11-C SERVICES AND GROUNDING.

- (a) Each dwelling of an area of 400 sq. ft. or less shall have a 60 ampere, 3 wire, 220-110 volt service and dwellings of more than two rooms and over 400 sq. ft. shall have not less than a 100 ampere, 3 wire, 220-110 volt service.

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- (b) The grounded conductor of any system shall be the same size as authorized by Section 2594, N.E.C., and shall be clearly identified. All grounding and bonding material shall be copper. All residential bonding wire shall be at least #14 AWG copper wire.
- (c) All system ground clamps shall be accessible and shall be of the same material to which they are clamped.
- (d) Disconnecting means of the same supply of current must not exceed two manual operations of the same phase current without a main line disconnecting device.
- (e) Breaker-type panels installed on the exterior of buildings must have dust-tight enclosures.

SECTION 11-D. BRANCH CIRCUIT REQUIREMENTS.

- (a) Convenience Outlet Circuit. No convenience outlet shall be installed on a general lighting branch circuit except receptacles obviously intended for clocks or attachment of ceiling fixtures.
- (b) Lighting Circuits. Each general lighting branch circuit wired with #14 AWG shall be protected by an over-current device rated at not more than fifteen (15) amperes. Each general lighting branch circuit wired with #12 AWG shall be protected by an over-current device rated at not more than twenty (20) amperes. No receptacle shall be installed on a general lighting circuit.
- (c) Receptacle Circuits. In every kitchen, dining room, breakfast room, living room, library, den, sun room, recreation room or bedroom, one receptacle outlet shall be provided for each fifteen (15) linear feet, or major fraction thereof, of the total (gross) distance around the room as measured horizontally along the wall at the floor line. These receptacle outlets shall, as far as practical be spaced equal distances apart. Receptacle outlet circuits shall be wired with not smaller than #12 AWG wire and shall be protected by an over-current device rated at not more than twenty (20) amperes.
- (d) Not more than eight (8) receptacles of the duplex convenience type shall be installed on any one circuit.
- (e) Fixed Appliance Circuits. Each fixed appliance (washer, dishwasher, cooler, etc.) rated at 1250 watts or more shall be supplied by a separate circuit. Each electric wall heater rated at one hundred and ten (110) volts shall be supplied by a separate circuit.
- (f) Evaporative coolers. Installation of evaporative coolers shall meet the following requirements:
 1. Each evaporative cooler shall have a disconnecting device located as near as practicable to the cooler.
 2. All switches and receptacles used in cooler installations shall be weather proof, if mounted exposed to outside weather conditions.
 3. All exposed wiring to evaporative coolers must be installed in approved water tight metallic raceways.
- (g) No pull chain lighting fixture shall be installed within eight (8) feet of accessible water piping.

- (h) Any walk in closet of more than twenty (20) square feet area shall have a light fixture.

SECTION 11-E. GENERAL

- (a) Each motor ($\frac{1}{2}$ HP and over) shall be provided with a disconnecting device and must have a thermal protection service.
- (b) All direct burial cable shall be buried not less than two (2) feet, with six (6) inches of sand or screened earth above and below the conductors, and must be inspected before backfilling.
- (c) All toggle switches and receptacles installed on the exterior of any building and exposed to the weather shall be weather proof.
- (d) All concealed low voltage wiring (eg. communication circuits, control circuits, fire alarm circuits, public address systems, remote control circuits, etc.) in any commercial building shall be in approved raceways.
- (e) Trailer parks (20 spaces or less) shall be wired for a minimum thirty (30) amperes at one hundred and twenty (120) volt capacity per trailer at 100% demand factor. Parks of more than twenty (20) spaces shall be wired for thirty (30) amperes at one hundred and twenty (120) volts per trailer with 80% demand factor.
- (f) At least one (1) telephone outlet shall be required for each residence.

SECTION 2. Section 12 of Ordinance 610 is hereby amended to read as follows:

SECTION 12.

Notice of Inspection. Upon the completion of the installation of any electrical wiring, fixtures, appliances or apparatus in or on any building, it shall be the duty of the person doing the work to notify the EI, who shall inspect the same within twenty-four (24) hours, and if approved, there shall be issued a certificate of final electrical inspection which shall contain the date of such inspection and an outline of the result. It shall be unlawful for any person to turn on or connect the current with such installation until such certificate shall be issued; and it shall also be unlawful to make any change, alteration or extension in or to the installation of any electrical wiring, fixtures, or appliances or apparatus, in or on any building after final electrical inspection, without notifying the EI and securing a permit to do so except for emergency repair work as herein noted.

When any part of a wiring installation is to be concealed by the permanent placement of parts of the building, the person performing the electrical installation shall notify the Electrical Inspector at least twenty-four (24) hours prior to such proposed concealment and such parts shall not be concealed until they have been inspected and approved by the Electrical Inspector; provided that on large installations where the concealment of parts of the wiring proceeds continuously, the person installing the wiring shall give the Electrical Inspector due notice as above specified, and inspections shall be made periodically during the progress of the work. The Electrical Inspector shall have the authority to remove or to require the removal of any obstruction that prevents proper inspection of any electrical equipment or installation.

SECTION 3. Section 16 of Ordinance 610 is hereby amended to read as follows:

No person, firm or corporation shall engage in the installation, maintenance, alterations, repair or construction of any electrical work, wiring devices, fixtures, appliances or equipment inside or outside of any building either by himself or his agents or employees unless he holds an EC license and he or one of his employees holds a ME Certificate issued by the City of Las Vegas, except work done for and on the property of the United States of America, the City of Las Vegas, County of Clark, State of Nevada, any public utility, light and power, telephone or telegraph company.

SECTION 4. There is hereby added a new section to immediately follow Section 16 of Ordinance 610 to be designated Section 16-A, which shall read as follows:

Owner's Permit. Any permit required by this ordinance may be issued to any person to do any construction or work regulated by this ordinance in a single family dwelling used exclusively for living purposes including the usual accessory buildings and quarters in connection with such buildings in the event that any such person is the bona fide owner of any such dwelling and accessory buildings and quarters, and that the same are occupied by or designed to be occupied by said owner, provided that said owner shall personally purchase all material and shall personally perform all labor in connection therewith.


SECTION 5. Any person who shall fail to comply with any of the provisions of this ordinance shall upon conviction thereof be punished by a fine of not less than \$25.00 nor more than \$500.00 for each offense and/or imprisonment in the City Jail for not more than six (6) months, and by any combination of such fine and imprisonment.

SECTION 6. If any section, sub-section, sentence, clause or phrase of this ordinance, is for any reason held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The Mayor and Board of City Commissioners of the City of Las Vegas, County of Clark, State of Nevada, hereby declares that it would have passed this ordinance and each section, sub-section, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, sub-sections, sentences, clauses or phrases be declared unconstitutional.

SECTION 7. All ordinances or parts of ordinances in conflict herewith, are hereby repealed.

SECTION 8. This ordinance shall take effect 60 days after its adoption as provided in Section 30, Charter of the City of Las Vegas.


APPROVED:



C. D. BAKER

Mayor

ATTEST:



SHIRLEY HALLINGER
City Clerk

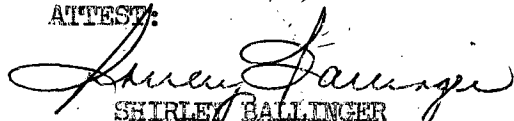
The above and foregoing ordinance was first proposed and read by title to the Board of Commissioners on the 18th day of May, 1955, and referred to the following committee composed of Commissioners Bunker and Sharp for recommendation; thereafter the said committee reported favorably on said ordinance on the 6th day of July, 1955, which was the regular meeting held on the 6th day of July, 1955, and at said regular meeting held on said day, the proposed ordinance was read in full to the Board of Commissioners as first introduced and adopted by the following vote:

Voting "Aye": Commissioners Fountain, Sharp, Whipple and Mayor Baker.


Voting "Nay": None

Absent: Commissioner Bunker.

ATTEST:


SHIRLEY BALLINGER
City Clerk

APPROVED:



C. D. BAKER
Mayor

AFFIDAVIT OF PUBLICATION

STATE OF NEVADA, }
COUNTY OF CLARK } ss.

A. F. Schellack, being first duly sworn,
deposes and says: That he is Foreman of the LAS VEGAS REVIEW-JOURNAL,
a daily newspaper, of general circulation, printed and published at Las Vegas,
in the County of Clark, State of Nevada, and that the attached was continuously

published in said newspaper for a period of Two (2) insertions
from July 11, 1955 to July 18, 1955

inclusive, being the issues of said newspaper for the following dates, to-wit:

July 11, 18, 1955

That said newspaper was regularly issued and circulated on each of the dates
above named.

SIGNED *A. F. Schellack*

Subscribed and sworn to before me this 19th day of July, 19 55.

Walter Gindoff
NOTARY PUBLIC IN AND FOR CLARK COUNTY, NEVADA
My Commission Expires April 14, 1957.

ORDINANCE NO. 648
AN ORDINANCE TO ADOPT AMENDMENTS TO ORDINANCE NO. 610, KNOWN AS THE SPECIALIZED ELECTRICAL ORDINANCE OF THE CITY OF LAS VEGAS BY PROVIDING STANDARDS FOR THE INSTALLATION OF ELECTRICAL EQUIPMENT AND WIRING, METALLIC RACEWAYS, SERVICES AND GROUNDING, AND BRANCH CIRCUIT REQUIREMENTS, PROVIDING FOR THE ISSUANCE OF OWNER'S PERMITS; PROVIDING PENALTIES FOR THE VIOLATION THEREOF; PROVIDING OTHER MATTERS PROPERLY RELATED THERETO; AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT THEREWITH.

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(a) Installation: All electrical installations, industrial, commercial and residential, in the City of Las Vegas shall be in conformity with this code, the National Electrical Code, and with approved standards for safety to life and property.

(b) BX (armored cable) shall not be used in any type of building in the City of Las Vegas.

(c) Romex (Non-metallic sheathed cable) wherever used to connect any appliance or motor shall be protected from mechanical injury.

(d) All domestic range circuits shall terminate in an approved range receptacle box.

(e) Double locknuts and bushings shall be required on all conduit and nipples. Offset nipples shall be made up securely when used with junction boxes, panels, or gutters, to insure a firm mechanical connection and continuity of the conduit system. The number and size of conductors installed in offset nipples shall be governed by Table No. IV of the National Electrical Code.

SECTION 11-B. INSTALLATION OF METALLIC RACEWAYS.

(a) Galvanized or sherradized rigid metal conduit shall be required in concrete slabs and floors and underground. Where installed underground or in earth fills, rigid metal conduit shall be required to have at least one coat of approved asphaltic paint. Electrical Metallic Tubing may be used for both concealed and exposed work except in the following places: concrete floor slabs, underground, and in earth fills.

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(c) All system ground clamps shall be accessible and shall be of the same material to which they are clamped.

(d) Disconnecting means of the same supply of currents must not exceed two manual operations of the same phase current without a main line disconnecting device.

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SECTION 2. Section 12 of Ordinance 610 is hereby amended to read as follows:

SECTION 12.

Notice of inspection. Upon the completion of the installation of any electrical wiring, fixtures, appliances or apparatus in or on any building, it shall be the duty of the person doing the work to notify the EI who shall inspect the same within twenty-four (24) hours, and if approved, there shall be issued a certificate of final electrical inspection which shall contain the date of such inspection and an outline of the result. It shall be unlawful for any person to turn on or connect the current with such installation until such certificate shall be issued; and it shall also be unlawful to make any change, alteration or extension in or to the installation of any electrical wiring, fixtures, or appliances or apparatus, in or on any building after final electrical inspection, without notifying the EI and securing a permit to do so except for emergency repair work as herein noted.

When any part of a wiring installation is to be concealed by the permanent placement of parts of the building, the person performing the electrical installation shall notify the Electrical Inspector at least twenty-four (24) hours prior to such proposed concealment and such parts shall not be concealed until they have been inspected and approved by the Electrical Inspector; provided that on large installations where the concealment of parts of the wiring proceeds continuously, the person installing the wiring shall give the Electrical Inspector due notice as above specified, and inspections shall be made periodically during the progress of the work. The Electrical Inspector shall have the authority to remove or to require the removal of any obstruction that prevents proper inspection of any electrical equipment or installation.

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SECTION 4. There is hereby added a new section to immediately follow Section 16 of Ordinance 610 to be designated Section 16-A, which shall read as follows:

Owner's Permit. Any permit required by this ordinance may be issued to any person to do any construction or work regulated by this ordinance in a single family dwelling used exclusively for living purposes including the usual accessory buildings and quarters in connection with such buildings in the event that any such person is the bona fide owner of any such dwelling and accessory building and quarters, and that the same are occupied by or designed to be occupied by said owner, provided that said owner shall personally purchase all materials and shall personally perform all labor in connection therewith.

SECTION 5. Any person who shall fail to comply with any of the provisions of this ordinance shall upon conviction thereof be punished by a fine of not less than \$25.00 nor more than \$500.00 for each offense and/or imprisonment in the City Jail for not more than six (6) months, and by any combination of such fine and imprisonment.

SECTION 6. If any section, sub-section, sentence, clause or phrase of this ordinance is for any reason held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The Mayor and the Board of City Commissioners of the City of Las Vegas, County of Clark, State of Nevada, hereby declares that it would have passed this ordinance and each section, sub-section, sentence, clause or phrase thereof, irrespective of the fact that any one or more sections, sub-sections, sentences, clauses or phrases be declared unconstitutional.

SECTION 7. All ordinances or parts of ordinances in conflict herewith, are hereby repealed.

SECTION 8. This ordinance shall take effect 60 days after its adoption as provided in Section 30, Charter of the City of Las Vegas.

APPROVED:
C. D. Baker
Mayor

ATTEST:
Shirley Ballinger
City Clerk

The above and foregoing ordinance was first proposed and read by title to the Board of Commissioners on the 18th day of May, 1955, and referred to the following committee composed of Commissioners Bunker and Sharp for recommendation; thereafter the said committee reported favorably on said ordinance on the 6th day of July, 1955, which was the regular meeting held on the 6th day of July, 1955, and at said regular meeting held on said day, the proposed ordinance was read in full to the Board of Commissioners as first introduced and adopted by the following vote:

Voting Aye: Commissioners Fountain,
Sharp, Whipple and Mayor Baker

Voting Nay: None

Absent: Commissioner Bunker

APPROVED:
C. D. Baker
Mayor

ATTEST:
Shirley Ballinger
City Clerk
July 11, 18