

ORDINANCE NO. 1707

AN ORDINANCE TO AMEND TITLE IV, CHAPTER 3 OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, 1960 EDITION BY AMENDING A SUPPLEMENTAL DOCUMENT PROVIDING AMENDMENTS AND ADDITIONS TO THE 1971 NATIONAL ELECTRICAL CODE BY ADDING THERETO NEW SECTIONS 3 THROUGH 16, ALL BEING ADOPTED BY REFERENCE; PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO; AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH.

THE BOARD OF COMMISSIONERS OF THE CITY OF LAS VEGAS DOES ORDAIN AS FOLLOWS:

SECTION 1. That certain supplemental document amending, deleting and adding to the 1971 National Electrical Code which was adopted by Ordinance No. 1672 on or about December 26, 1973, is hereby amended by adding thereto Sections 3 through 16 as follows:

SECTION 3. Article 210-21 is hereby amended by adding a new paragraph, designated paragraph (d), to read as follows:

(d) All domestic range circuits installed for removable ranges shall terminate in an approved range receptacle box and approved receptacle.

SECTION 4. Paragraph (a) of Article 210-24 is hereby amended to read as follows:

(a) 1. Fifteen and 20 Ampere Branch Circuits: Lighting units may be protected with 15 amperes, providing maximum load does not exceed 80 percent of the branch circuit rating. The total rating of fixed appliances shall not exceed 50 percent of the branch circuit rating when lighting unit or portable appliances are also supplied.

2. Receptacle outlet circuits shall be wired with not smaller than No. 12 A.W.G. copper wire or equivalent and shall be grounded as required by the N.E.C. and shall be protected by an over-current device rated at not more than twenty (20) amperes. At least one convenience outlet of the duplex grounding type shall be installed in each bathroom.

3. Not more than eight (8) receptacles of the duplex convenience type shall be installed on any one circuit, except on appliance circuits where there shall be only four (4).

SECTION 5. Paragraph (c) of Article 220-3 is hereby amended to read as follows:

(c) 1. Other circuits.

Each fixed appliance (washer, dishwasher, cooler, oven, tabletop cooking unit, etc.) shall be supplied by a separate circuit. Each electric wall heater at one hundred and ten (110) volts, or more, shall be supplied by a separate circuit. All electrical hot water heaters shall be installed on a minimum of No. 10 A.W.G. copper or equivalent.

2. For specific loads not otherwise provided for in Section 220-3 (a or b), branch circuits shall be as required by other Sections of the Code.

SECTION 6. Article 230-41 is hereby amended to read as follows:

ARTICLE 230-41. Size of Service-Entrance Conductors, Overhead System and Underground System. Service-entrance conductors shall have sufficient ampacity to carry the load as determined by Article 220 and in accordance with Tables 310-12, 310-13, 310-14, 310-15. Each dwelling of an area of 400 square feet, or less, shall have not less than a 60 amp. exterior 3 wire 115-230 V service consisting of two (2) No. 6's and No. 8 neutral. Dwellings of more than 400 square feet shall have not less than a 100 amp. 3 wire 115-230 V service consisting of two (2) No. 2's and No. 4 neutral. Multiple unit apartment buildings three (3) or more separate dwelling units in one (1) building need not be governed by this requirement. For other than single family dwelling units, service entrance conductors also shall not be smaller than No. 6 except:

Exception No. 1: For installations consisting of not more than two 2-wire branch circuits they shall not be smaller than No. 8.

Exception No. 2: By special permission due to limitations of supply source or load requirements they shall not be smaller than No. 8.

Exception No. 3: For installations to supply only limited loads of a single branch circuit, such as small polyphase power, controlled water heaters and the like, they shall not be smaller than the conductors of the branch circuit and in no case smaller than No. 12.

Exception No. 4: The neutral conductor which shall have an ampacity in conformity with Section 220-4(d), but shall not be smaller than the ungrounded conductors when these are No. 8 or smaller.

SECTION 7. Article 230-44 is hereby amended to read as follows:

ARTICLE 230-44. Wiring methods. Service-entrance conductors extending along the exterior, or entering buildings or other structures shall be installed as follows:

- (a) All overhead entrance raceways shall be rigid galvanized, steel conduit or approved bus duct.
- (b) No type of aerial service cable shall be used as service conductors for any service installation.
- (c) Overhead service riser weatherheads shall be located:
 - (1) Not less than eleven feet (11') above finished grade.
 - (2) At least twelve inches (12") above the point of attachment of service drops.
 - (3) Not less than three feet (3') from any door or window.
 - (4) On that wall or support nearest to and parallel with the utility's serving lines.

Where the overhead service riser is installed on a building of two (2) or more stories, the point of attachment of the service drops shall be even with or slightly above the second floor ceiling line, but not to exceed twenty-five feet (25') above finished grade, or to a location approved by the serving utility company.

Where an existing overhead service is being altered or moved, the existing point of attachment of the service drops may be used for a relative location of the service riser weatherhead, provided such service drops meet all requirements and have one (1) point of attachment.

- (d) All residential underground service conduit risers shall be 2" minimum stub out.

SECTION 8: Article 230-70 is hereby amended by changing paragraph (b)

and by adding a new paragraph, designated paragraph (j), to read as follows:

(b) Location. The disconnecting means shall be located at a readily accessible point nearest to the entrance of the conductors, outside the building or structure. Sufficient access and working space shall be provided about the disconnecting means.

In a multiple-occupancy building, each occupant shall have access to his disconnecting means. A multiple-occupancy building having individual occupancy above the second floor shall have service equipment grouped in a common accessible place, the disconnecting means consisting of not more than 6 switches or 6 circuit breakers. Multiple occupancy buildings that do not have individual occupancy above the second floor may have service conductors run to each occupancy in accordance with Section 230-2. Exception No 3 and each such service may have not more than 6 switches or circuit breakers.

(j) Service disconnecting means shall be installed at not more than six feet six inches (6'6") to the top of the operating handle from the grade.

SECTION 9. Article 300-1 is hereby amended by adding a new paragraph, designated paragraph (c), to read as follows:

(c) Galvanized or sherradized rigid-metal, heavy-wall conduit shall be required in concrete slabs, floors, walls or underground. Where installed on ground, or in earth fill, galvanized or sherradized or rigid-metal conduit shall have at least one (1) coat of approved asphaltic paint. Electrical metallic tubing and aluminum may be used for both concealed or exposed work, except in the following places:

1. Concrete walls or slabs in contact with earth; or
2. Underground; or
3. Earth fills.

This section shall not be construed as prohibiting the use of non-metallic approved raceways. All underground nonmetallic raceways, except those approved for underground construction without concrete, shall be encased in a minimum three inch (3") concrete envelope.

SECTION 10. Article 334-1 is hereby amended to read as follows:

ARTICLE 334-1 Definition. A metal-clad cable is a fabricated assembly of insulated conductors in flexible metallic enclosure.

Method of the cable fabrication and type of the insulating materials are subject to the approval of the S.E.I. before installation. See Section 333-4 for additional requirements.

SECTION 11. Paragraph (c) of Article 336-3 is hereby amended to read as follows:

(C) Use not permissible for either type NM or NMC Nonmetallic sheathed cable. This type shall not be used as:

1. Service entrance cable;
2. In the buildings housing A, B, C, D, E, F, and G Occupancy Groups - Groups as defined in Uniform Building Code;
3. In buildings housing H Occupancy Group such as hotels or motels but allowing use in apartment buildings.
4. In any hazardous location;
5. Embedded in poured cement, concrete or aggregate.

SECTION 12. Article 410-8 is hereby amended by adding a new paragraph designated paragraph (c), to read as follows:

(c) WALK-IN CLOSET LIGHTING: Any walk-in closet of twenty square feet (20 sq. ft.) or more, in floor area shall have a light fixture and switch.

SECTION 13. Article 450 is hereby amended by adding a new Section, designated Section 450-11, to read as follows:

ARTICLE 450-11 Enclosure:

Current transformer enclosures shall not be installed higher than 7 feet from grade to top side. Enclosures for current transformers shall be:

- (1) For loads of 201 to 600 amperes, 24" x 36" x 11".

(2) For loads of 601 to 1200 amperes, 36" x 48" x 11".

SECTION 14. Article 680-8 is hereby amended to read as follows:

ARTICLE 680-8 Clearances. No aerial electrical wiring shall be installed or maintained over or above the watered area of a pool or within the area described by a sixteen foot (16') radius in any direction from the edge of the pool.

SECTION 15. Article 750-7 is hereby amended to read as follows:

ARTICLE 750-7 Controls and Transfer Equipment. (a) Equipment shall be suitable for intended use and be so designed and installed as to prevent the inadvertent interconnection of normal and standby sources of supply in any operation of the transfer equipment.

(1) When an emergency AC supply circuit consisting of:

Two (2) wire single phase,

Three (3) wire single phase,

Four (4) wire three phase

is provided and is controlled by a transfer switch, the transfer switch shall have sufficient poles to open all conductors of the circuit, which includes the neutral and the emergency supply circuit neutral shall be effectively grounded in addition at the emergency supply source.

(b) A time delay feature should be provided to avoid short-time operation of the stand-by system.

SECTION 16. Article 800 is hereby amended by adding two new sections, designated Sections 800-32 and 800-33, to read as follows:

ARTICLE 800-32. Low Voltage Wiring: All low voltage wiring that operates at 25 volts or more, e.g. Keno circuits, slot machines, juke boxes, coin-operated amusement machines, communication 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 a UL approved raceway, except certain fire alarm systems wherein special cable must 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 UL approved raceway irrespective of the voltage involved.


ARTICLE 800-33. Dwelling Unit; Telephone Outlet: At least one (1) telephone outlet shall be required for each dwelling unit.

SECTION 2. All ordinance or parts of ordinances, sections, subsections, phrases, sentences, clauses or paragraphs contained in the Municipal Code of the City of Las Vegas, 1960 Edition, in conflict herewith are hereby repealed.

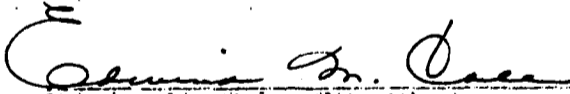
SECTION 3. If any section, paragraph, sentence, phrase, term, word, or connotation of this ordinance, or portion thereof, is for any reason held invalid, inapplicable, or unconstitutional by any Court of competent jurisdiction, such holding shall not invalidate the remaining portions of this ordinance.

PASSED, ADOPTED and APPROVED this 19th day of June, 1974.

APPROVED:


ORAN K. GRAGSON, MAYOR

ATTEST:


Edwina M. Cole, City Clerk

The above and foregoing ordinance was first proposed and read by title to the Board of Commissioners on the 5th day of June, 1974, and referred to the following committee composed of Commissioners Franklin and Christensen for recommendation; thereafter the said committee reported favorably on said ordinance on the 19th day of June, 1974, which was a regular meeting of said Board; that at said regular meeting the proposed ordinance was read by title to the Board of Commissioners as amended and adopted by the following vote:

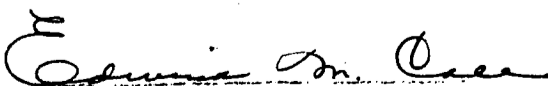
VOTING "AYE": Commissioners Christensen, Lurie, Franklin, Morelli and Mayor Gragson

VOTING "NAY": None ABSENT None

APPROVED:


ORAN K. GRAGSON, MAYOR

ATTEST:


Edwina M. Cole, City Clerk

AFFIDAVIT OF PUBLICATION

STATE OF NEVADA)
COUNTY OF CLARK) SS

George J. Vasconi being first duly sworn, deposes and says that he is Business Manager for the LAS VEGAS REVIEW JOURNAL, a daily newspaper 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 one insertions, from period of May 3, 1974 to May 3, 1974 inclusive, being the issue of said newspaper for the following dates, to wit:

May 3, 1974

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

SIGNED

George J. Vasconi

GEORGE J. VASCONI

Subscribed and sworn to before me this 2 day of May, 1974.

NOTARY PUBLIC, IN AND FOR
CLARK COUNTY, NEVADA

Wilma Freemyer

WILMA FREEMYER
NOTARY PUBLIC
State of Nevada, Clark County
My commission expires Feb. 4, 1976

ORDINANCE NO. 1707.
AN ORDINANCE TO AMEND TITLE IV, CHAPTER 3 OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, 1960 EDITION BY AMENDING A SUPPLEMENTAL DOCUMENT PROVIDING AMENDMENTS AND ADDITIONS TO THE 1971 NATIONAL ELECTRICAL CODE BY ADDING THERETO NEW SECTIONS 3 THROUGH 16, ALL BEING ADOPTED BY REFERENCE; PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO; AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH.
The above and foregoing ordinance was first proposed and read by title to the Board of Commissioners on the 1st day of May, 1974, and referred to the following committee composed of Commissioners Christensen and Franklin for recommendation.
COPIES OF THE COMPLETE ORDINANCE No. 1707 ARE AVAILABLE FOR PUBLIC INFORMATION IN THE OFFICE OF THE CITY CLERK, 10TH FLOOR, 400 E. STEWART AVENUE, LAS VEGAS, NEVADA.
May 3

CITY CLERK

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AFFIDAVIT OF PUBLICATION

STATE OF NEVADA)
COUNTY OF CLARK) SS

George J. Vasconi being first duly sworn, deposes and says that he is Business Manager for the LAS VEGAS REVIEW-JOURNAL, a daily newspaper 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 one insertions from period of June 7, 1974 to June 7, 1974 inclusive, being the issue of said newspaper for the following dates, to wit:

June 7, 1974

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

SIGNED

George J. Vasconi

GEORGE J. VASCONI

Subscribed and sworn to before me this 2nd day of June, 1974.

NOTARY PUBLIC, IN AND FOR
CLARK COUNTY, NEVADA

ORDINANCE NO. 1707
AN ORDINANCE TO AMEND TITLE IV, CHAPTER 3 OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, 1969 EDITION, BY AMENDING A SUPPLEMENTAL DOCUMENT, PROVIDING AMENDMENTS AND ADDITIONS TO THE 1971 NATIONAL ELECTRICAL CODE BY ADDING THERETO NEW SECTIONS 3 THROUGH 16, ALL BEING ADOPTED BY REFERENCE, PROVIDING FOR OTHER MATTERS, PROPERLY RELATING THERETO, AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH.
The above and foregoing ordinance was first proposed and read by title to the Board of Commissioners on the 5th day of June, 1974, and referred to the following committee composed of: Commissioners Franklin and Christensen for recommendation.
COPIES OF THE COMPLETE ORDINANCE No. 1707 ARE AVAILABLE FOR PUBLIC INFORMATION IN THE OFFICE OF THE CITY CLERK, 10TH FLOOR, 400 E. STEWART AVENUE, LAS VEGAS, NEVADA.
June 7, 1974

Wilma Freemyer
WILMA FREEMYER
NOTARY PUBLIC
State of Nevada, Clark County
My commission expires Feb. 4, 1976

RECEIVED
JUN 11 10 07 AM '74
CITY CLERK

AFFIDAVIT OF PUBLICATION

STATE OF NEVADA)
COUNTY OF CLARK) SS

George J. Vasconi being first duly sworn, deposes and says that he is Business Manager for the LAS VEGAS REVIEW-JOURNAL, a daily newspaper 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 one insertions from period of June 21, 1974 to June 21, 1974 inclusive, being the issue of said newspaper for the following dates, to wit:

June 21, 1974

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

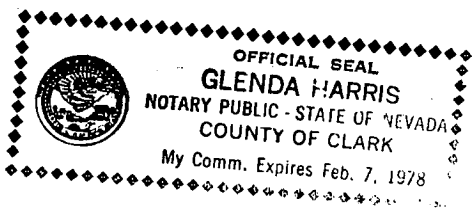
SIGNED *George J. Vasconi*
GEORGE J. VASCONI

Subscribed and sworn to before me this 21 day of June, 19 74.

NOTARY PUBLIC, IN AND FOR
CLARK COUNTY, NEVADA

Glenda Harris

ORDINANCE NO. 1707
AN ORDINANCE TO AMEND TITLE IV, CHAPTER 3 OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, 1960 EDITION BY AMENDING A SUPPLEMENTAL DOCUMENT PROVIDING AMENDMENTS AND ADDITIONS TO THE 1971 NATIONAL ELECTRICAL CODE BY ADDING THERETO NEW SECTIONS 3 THROUGH 16, ALL BEING ADOPTED BY REFERENCE PROVIDING FOR OTHER MATTERS PROPERLY RELATING THERETO AND REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH.
The above and foregoing ordinance was first proposed and read by title to the Board of Commissioners on the 5th day of June, 1974, and referred to the following committee composed of Commissioners Franklin and Christensen for recommendation; thereafter the said committee reported favorably on said ordinance on the 19th day of June, 1974, which was a regular meeting of said Board; that at said regular meeting the proposed ordinance was read by title to the Board of Commissioners as amended and adopted by the following vote:
VOTING "AYE": Commissioners Christensen, Lurie, Franklin, Morelli and Mayor Gregson.
VOTING "NAY": None.
ABSENT: None.
COPIES OF THE COMPLETE ORDINANCE No. 1707 ARE AVAILABLE FOR PUBLIC INFORMATION IN THE OFFICE OF THE CITY CLERK, 10TH FLOOR, 400 E. STEWART AVENUE, LAS VEGAS, NEVADA.
June 21, 1974



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