

ORDINANCE NO. 1122

AN ORDINANCE TO AMEND TITLE IV, CHAPTER 3, SECTION 21 OF THE MUNICIPAL CODE OF THE CITY OF LAS VEGAS, NEVADA, 1960, BY REPEALING SUBSECTION (G) TO ELIMINATE THE REQUIREMENT THAT EACH SERVICE INSTALLATION CONTAIN ONE SET OF SERVICE DROP CONDUCTORS, ONE SET OF SERVICE ENTRANCE CONDUCTORS, AND ONE SET OF SERVICE DISCONNECTION MEANS; PROVIDING NEW SUBSECTION LETTERS FROM (G) THROUGH (K); PROVIDING FOR OTHER MATTERS PROPERLY RELATED THERETO; PROVIDING PENALTIES FOR THE VIOLATION HEREOF; 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. Subsection (G) of Section 21, Chapter 3, Title IV, of the Municipal Code of the City of Las Vegas, Nevada, 1960, is hereby repealed.

SECTION 2. Title IV, Chapter 3, Section 21 of said Municipal Code is hereby amended to read as follows:

4 -3-21: SERVICES AND GROUNDING:

(A) Each dwelling of an area of four hundred square feet (400 sq. ft.), or less, shall not have less than a 60 amp. exterior 3 wire 115-230 V service consisting of two (2) No. 6's and a No. 8 neutral. Dwellings of more than four hundred square feet (400 sq. ft.) shall have not less than a 100 amp. 3 wire 115-230 V service consisting of two (2) No. 2's and a 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. The optional method of calculating single-family dwellings, Section 220-7 in the NEC shall not be used.

(B) All electrical equipment exposed to the weather shall be weatherproof, and of NEMA 3R construction where applicable.

All service entrance raceways shall be rigid galvanized, steel conduit or approved bus duct.

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

On the exterior of each service disconnecting means proper identification shall be provided for the characteristics of the supplied service. Such identification shall consist of a stamped metal plate permanently attached to the cover of the disconnecting means or weather-resistant stenciling. All conductors supplying power to any building shall have a disconnecting means located on the exterior of the building except for accessory buildings to single-family dwellings. No direct burial main service conductors shall be permitted unless approved by the utility company.

(C) Meter sockets shall not be installed more than six feet six inches (6'6") above or lower than three feet (3') to the center of meter socket to grade.

(D) Current transformer enclosures shall not be installed higher than seven feet (7') 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",

(E) 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 the 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 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 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 clearance requirements and have one (1) point of attachment only.

(F) No type of service entrance cable shall be used as service entrance conductors for any service installation.

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

1. Two (2) wire single phase;
2. Three (3) wire single phase;
3. 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.

There shall be no reduction in size of the neutral conductor below the size of the phase conductors in any three-phase, 4-wire star system.

(H) All service equipment shall be grounded in accordance with NEC Sections 250-92, 250-93 and 250-94 except:

1. All service equipment groundings shall include the use of rigid conduit and installed as required by NEC Section 250-72 and 250-92, and of a size as required by Table 250-94b.
2. For residential dwelling grounding, refer to Section 250-92.
3. In addition, for a grounded alternating current system, a common grounding conductor of a size as required by NEC Section 250-94a, shall be installed in the service equipment grounding conduit and connected in accordance with applicable

provisions of NEC Article 250.

- (I) All system ground clamps shall be accessible and be of the same material to which they are clamped. All residential bonding wire shall be No. 14 A.W.G. Copper, unless part of an approved cable assembly.
- (J) Outside Circuit Breaker Installations: Circuit breaker installations outside of buildings shall conform to the following:
 - 1. Protective enclosures shall conform to Underwriter approved NEMA-3R for minimum protection.
 - 2. Circuit breakers shall conform to the following:
 - (a) Underwriter's Laboratories, Inc., Bulletin No. 489.
 - (b) Shall be magnetic or thermal-magnetic, ambient temperature compensated. Compensation shall permit the breaker to carry full NEC loading (80% of rating) in temperatures up to seventy-five degrees Centigrade (75°C.), one hundred sixty-seven degrees Fahrenheit (167°F.).
- (K) 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 feet (16') radius drawn in any direction from the edge of the pool.

SECTION 3. Any person, firm or corporation violating any of the provisions of this ordinance shall, upon conviction thereof, be punished by a fine of not more than \$500.00 and/or imprisonment in the City Jail for not more than six months, or any combination of such fine and imprisonment. Every day of such violation shall constitute a separate offense.

SECTION 4. All ordinances or parts of ordinances, sections, sub-sections, phrases, sentences, clauses or paragraphs contained in the Municipal Code

of the City of Las Vegas, Nevada, 1960, in conflict herewith are hereby repealed.

PASSED, ADOPTED AND APPROVED this 18th day of March,

1964.

Oran K. Hagson
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 4th day of March, 1964, and referred to the following committee composed of Commissioners Mirabelli and Fountain for recommendation; thereafter the said committee reported favorably on said ordinance on the 18th day of March, 1964, 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 first introduced and adopted by the following vote:

VOTING "AYE": Commissioners Mirabelli, Levy, Fountain, Whipple and Mayor Hagson

VOTING "NAY": None ABSENT: None

APPROVED:

Oran K. Hagson
Mayor

ATTEST:

Edwina M. Cole
City Clerk