

RESOLUTION

RESOLUTION DECLARING THE NEED FOR THE ADOPTION OF THE NATIONAL ELECTRICAL CODE, 2017 EDITION, AND PROVIDING CERTAIN LOCAL AMENDMENTS TO SAID CODE.

WHEREAS, The Council of The City of Oklahoma City finds that said City needs an up-to-date code of ordinances to provide for the safety, health and public welfare through properly designed, acceptably installed and adequately maintained electrical systems; and

WHEREAS, the Oklahoma City Electrical Code Review and Appeals Commission has recommended that the National Electrical Code, 2017 Edition, may be adapted to meet the needs of The City by the amendment of certain sections thereof, by adding thereto certain sections peculiarly suitable to this City; and

WHEREAS, it is the desire of the Council to make such changes in the National Electrical Code, 2017 Edition, before considering it for approval as amended.

NOW, THEREFORE, BE IT RESOLVED by the Council of The City of Oklahoma City, that the National Electrical Code, 2017 Edition, be and the same hereby is ordered amended and changed in the following respects;

CHAPTER 1

110.26 (D) Illumination. Is hereby amended as follows by adding the following:

The illumination about service equipment where installed indoors and rated at 201 amperes or more shall be served from an emergency source as described in Section 700.12.

CHAPTER 2

210.19 (A) Branch Circuits Not More Than 600 Volts. Is hereby amended by adding the following:

Branch circuit conductors shall not be smaller than 12 AWG.

210.19 (A) (4) Other Loads. Is hereby amended by deleting: "14" and inserting "12".

210.70 Lighting Outlets Required. Is hereby amended by adding following subsection:

(D) Commercial Buildings. At least one wall switch controlled luminaire shall be installed in each lease type storage building or space.

Exception: Where all of the following apply:

- (1) The storage building is designed and built so as to be self-contained;
- (2) The only entrances to storage spaces are within the interior of the building;
- (3) Interior lighting is sufficient to illuminate the storage space to a minimum of one (1) foot-candle when the door to the unit is open and is certified to meet this standard by a State of Oklahoma registered engineer;
- (4) The lighting is continuous during business hours and for one hour thereafter;
- (5) The lease space shall not exceed one hundred fifty (150) square feet or exceed fifteen (15) feet in depth.

210.70 (A) (2) Additional Locations. Is hereby amended by adding the following subsection:

(5) The minimum headroom in all parts of a stairway for a luminaire installed for a stairway shall not be less than six feet eight inches (6'8") measured vertically from the sloped line adjoining the tread nosing or from the floor surface of the landing or platform on that portion of the stairway.

225.19 Clearances from Buildings for Conductors of Not over 1000 Volts Nominal. Is hereby amended by adding the following subsection:

(F) Location. Overhead conductors to or between school buildings shall not be permitted.

230.24 Clearances. Is hereby amended by adding the following subsection:

(F) Location. Overhead conductors to or between school buildings shall not be permitted.

230.28 Service Masts as Supports. Is hereby amended by adding the following:

The raceway for service masts that supports the service drop or overhead service conductors shall be rigid metal conduit and be a minimum trade size of one and one-half inches (1 ½").

230.79 Rating of Service Disconnecting Means. Is hereby amended by adding the following subsection:

(E) Water Well Service. The service disconnecting means for a water well shall not be permitted to have a rating of more than 40 amperes.

240.24 (E) Not Located in Bathrooms. Is hereby amended by adding the following:

Supplementary overcurrent protection shall not be located within three foot (3') of plumbing fixtures.

250.52 (A) (1) Metal Underground Water Pipe. Is hereby amended by adding the following:

Where copper water pipe is used, the point of connection shall be made before the first solder joint where the water pipe enters the building.

250.118 Types of Equipment Grounding Conductors. the language is hereby deleted in its entirety and the following is hereby substituted:

The equipment grounding conductor run with the circuit conductors shall be copper. This conductor shall be solid, stranded, insulated, covered, or bare and in the form of a wire or a busbar. All raceways or cable assemblies shall include a green or bare equipment grounding conductor. Conductor shall be bonded to all non-current carrying metal parts of the electrical system.

CHAPTER 3

310.106 (B) Conductor Material. the language is hereby deleted, and the following is hereby substituted:

Conductors in this article shall be copper.

Exception No. 1: Feeder conductors No. 2 and larger, series AA-8000 electrical grade aluminum alloy conductor.

Exception No. 2: Aluminum and copper clad aluminum No. 2 and larger conductors shall be permitted where installed overhead or underground at the exterior of structures or occupancies.

334.10 Uses Permitted. Is hereby amended by adding the following subsection:

(6) Approved electrical plans for structures with mixed use occupancies are required prior to permit issuance. The approved set of electrical plans shall be on site.

334.12 (A) Types NM, NMC, and NMS. Is hereby amended by adding the additional subsections:

(11) Commercial or industrial buildings

(12) Schools

(13) Churches

(14) Public buildings

358.10 (B) Corrosive Environments. Is hereby amended by deleting entire text and amended by addition of the following:

Corrosion Protection: Ferrous or nonferrous electrical metallic tubing (EMT), elbows, couplings, and fittings shall not be permitted to be installed in concrete, in direct contact with the earth, or in areas subject to severe corrosive influences.

362.12 Uses Not Permitted. Is hereby amended by adding the following subsection:

(9) To connect items of machinery or equipment which produce vibration.

CHAPTER 4

404.4 Is hereby amended by adding the following subsection:

(D) Wall switches required for the lighting or other utilization devices in bathrooms shall be installed at least five feet measured horizontally, from a tub or shower.

Exception: Circuit supplying the switch is GFCI protected.

406.5 (E) Receptacles in Countertops. Is hereby amended by adding the following:

Receptacles are not to be installed in a face up position under countertops, sinks, tubs or similar areas.

408.30 General. Is hereby amended by adding the following:

A dwelling unit containing over 500 square feet of floor area shall be provided with a panelboard having capacity of at least 12 overcurrent devices. Each recessed panelboard located within a dwelling shall be provided with at least one, three quarter inch (3/4") empty raceway extended from the panelboard into an accessible location such as an attic or underfloor space for future use.

410.16 Luminaires in Clothes Closets. Heading is hereby amended by adding the words:
and Linen Closets.

410.122 Lamp holders. Is hereby amended by adding the following:

Pull chain lamp holders or switches shall have an insulating link installed in the chain. Where installed above concrete or similar conductive floors, the uninsulated portion of the chain shall be a minimum height of seven feet (7') above the floor.

CHAPTER 6

680.22 (B) (1) New Outdoor Installation Clearances. Is hereby amended by adding the following:

A ground-fault circuit-interrupter (GFCI) shall be installed in the branch circuit supplying such lighting fixtures and lighting outlets.

680.23 (A) (3) GFCI Protection, Lamping, Relamping, and Servicing. Is hereby amended by deleting the text in the first sentence:

“operating at voltages greater than the low-voltage contact limit”

680.23 (A) (4) Voltage Limitation. Is hereby amended by deleting "150 volts" and inserting "15 volts".

CHAPTER 7. SPECIAL CONDITIONS

ARTICLE 725 - CLASS 1, CLASS 2, AND CLASS 3 REMOTE-CONTROL, SIGNALING, AND POWER-LIMITED CIRCUITS

Is hereby amended by adding a new section to read as follows:

725.4 Power Supply Locations. Class 2 and 3 power sources of the transformer type shall be mounted in or on approved metal boxes and in accessible locations, preferably near the equipment that is to be served. Power supplies shall not be located under a floor where there is no basement or in an attic where they are subject to cover by thermal insulation.

ADOPTED by Council of The City of Oklahoma City this _____ day
of _____, 2019.

SIGNED by the Mayor of The City of Oklahoma City this _____ day
of _____, 2019.

MAYOR

ATTEST:

CITY CLERK

REVIEWED as to form.



Assistant Municipal Counselor