

## **ORDINANCE NO. 1412**

**AN ORDINANCE WHICH PROVIDES AMENDMENT TO THE CODE OF ORDINANCES OF THE CITY OF YUKON, OKLAHOMA BY AMENDING SECTIONS, 204-66, 204-67, 204-69, 204-70, 204-71, 204-74 AND 204-75 OF THE CODE OF ORDINANCES OF THE CITY OF YUKON BY ADOPTING THE NATIONAL ELECTRICAL CODE 2014 EDITION AND PROVIDING ADDITIONS, INSERTIONS, AND DELETIONS THERETO AND DECLARING AN EMERGENCY**

**BE IT ORDAINED BY THE COUNCIL FOR THE CITY OF YUKON, OKLAHOMA** that the Code of Ordinances, City of Yukon, is hereby amended by adopting the National Electrical Code and providing for additions, insertions, and deletions thereto as follows:

### **ARTICLE IV. - ELECTRICAL CODE**

#### **SECTION 1:**

##### **Sec. 204-66. – National Electrical Code adopted.**

A certain document, three copies of which are on file in the office of the City Clerk, being marked and designated as National Electrical Code, 2014 edition, as published by the International Code Council, is hereby adopted as the code of the City of Yukon for regulating the design, construction, quality of materials, erection, installation, alteration, repair, location, relocation, replacement, addition to use or maintenance of electrical systems in the city and providing for the issuance of permits and collection of fees therefor; and each and all of the regulations, provisions, conditions and terms of such, as amended and modified by the Uniform Building Code Commission pursuant to 59 O.S. § 1000.23 as it may from time to time be amended and subsequent amendments as listed below of the City of Yukon Code of Ordinances, is hereby adopted as the Code of the City as herein provided; and each and all regulations, provisions, penalties, conditions and terms of said electrical code are hereby referred to, adopted, and made a part hereof, as if fully set out in this article with additions, insertions, deletions and changes.

##### **Sec. 204-67. - Office of electrical inspector created; appointment, term and general powers and duties hereby amended to read as follows:**

- (1) There is hereby created, within the department of Development Services, the office of electrical inspector. The electrical inspector shall be appointed by and hold office at the pleasure of the City Manager. The electrical inspector may hold another position in the city government.
- (2) It shall be the duty of the electrical inspector to see that all laws, ordinances, codes, rules and regulations relating to the installation of electrical equipment are properly enforced, and he is hereby empowered to enter any premises in the discharge of their duties and to pass upon and decide any questions arising under the provisions of this article.

**Sec. 204-69. - Registration required amended to read as follows:**

It shall be unlawful for any person to engage in the business, trade or vocation of electrical contractor without a registration as such secured from the Development Services Director. The applicant must have passed an examination given by the state demonstrating the qualifications of the applicant for the registration applied for. The applicant must also pay all fees necessary and such fees shall be set by the city council by resolution.

- (b) An annual registration issued under this section may be renewed by paying the prescribed fee on or before August 31, and shall be considered surrendered if not renewed within 15 days thereafter. Any person having surrendered his certificate must proceed in the manner required for a new or initial application.
- (c) After ten days' notice and adequate opportunity for a hearing, the City Council may revoke any electrical contractor's registration for the following causes:
  - (1) Serious or repeated violations of the laws, ordinances or other regulations relating to electrical installations;
  - (2) Grossly unethical conduct in connection with the electrical trade or business;
  - (3) Poor workmanship or service; or
  - (4) Installing inferior or substandard materials, fixtures or equipment.

A request that the registration be revoked may be presented to the City Council by the electrical inspector or by any aggrieved person.

- (d) For installing a bell or telephone system not using over 12 volts, no registration will be required under this section, but the installation of same must comply with all other requirements of the ordinances of the city.

**Sec. 204.70. - Work permits amended to read as follows:**

Any person who commences any work on any electrical wiring system before obtaining the necessary permits shall be subject to 100 percent of the usual permit fee in addition to the required permit fee.

- (b) It shall be unlawful for any person to install any electrical wiring, fixtures, equipment or apparatus in or on any building or structure in the corporate limits of the city, or make extensions to any existing electrical installation, without first securing a permit from the electrical inspector, and upon conviction shall be punished as provided in section 1-7, plus court costs.
- (c) The electrical inspector shall have the authority to refuse to issue a permit for the installation of electrical wiring, or for any additions or extensions to any electrical wiring, in or on any building where, in his judgment, the wiring done or proposed to be done is unsafe or not in accordance with the provisions of this article.
- (d) Any registered contractor who desires to construct, enlarge, alter, repair, move, demolish, or change the occupancy of a building or structure, or to erect, install,

enlarge, alter, repair, remove, convert or replace any electrical system, the installation of which is regulated by this Code, or to cause any such work to be done, shall first make application to the Development Services Department and obtain the required permit and shall pay all such permit fees and any additionally required fees. All such permit fees shall be set by the city council by resolution.

**Sec. 204-71. – Inspection and approval of work generally amended to read as follows:**

All work for which a permit is required by this article shall be inspected by the electrical inspector. After making inspection of new work roughed in, the electrical inspector shall leave a tag or notice in the switch cabinet or attached to the service equipment, plainly indicating that the work has been approved and is ready to be concealed, or that the installation is not standard and must not be covered until approved by the electrical inspector.

- (b) If the inspection fails to pass the proper inspection and a re-inspection is therefore required, a fee shall be set by the City Council by resolution for the second inspection, or any inspection thereafter, shall be charged.

**Sec. 204-74 – General standards for installation of equipment amended to read as follows:**

All installations of electrical equipment shall be in conformity with the provisions of this article, with the statutes of the state and any orders, rules and regulations issued by authority thereof and with approved electrical standards for safety to persons and property. Where no specific standards are prescribed by this article, by the statutes of the state or by any orders, rules or regulations issued by authority thereof, conformity with the regulations set forth in the National Fire Protection Association, Inc., (NFPA 70) National Electrical Code 2014 edition, as amended and modified by the Uniform Building Code Commission pursuant to 59 O.S. § 1000.23 as it may from time to time be amended and subsequent amendments as listed below of the City of Yukon Code of Ordinances, is hereby adopted as the Code of the City as herein provided; and each and all regulations, provisions, penalties, conditions and terms of said electrical code are hereby referred to, adopted, and made a part hereof, as if fully set out in this article with additions, insertions, deletions and changes.

**Sec. 204-75. - National Electrical Code additions, insertions and deletions.**

**CHAPTER 1 GENERAL**

**ARTICLE 100 Definitions.**

The following words, terms and phrases, when used in this article, shall have the meanings ascribed to them in this section, except where the context clearly indicates a different meaning:

*Nationally recognized testing laboratory* is a testing facility given this designation from the United States Occupational Safety and Health Administration (OSHA) that provides product safety testing and certification services to manufacturers.  
(OUBCC Amendment)

## **ARTICLE 110 – REQUIREMENTS FOR ELECTRICAL INSTALLATION**

Section 110.26(D) Illumination is hereby amended to read as follows:

*110.26(D) Illumination.* 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.

Section 110.12 (B) Integrity of electrical equipment and connections is hereby amended to read as follows:

*110.12 (B) Integrity of electrical equipment and connections.* Internal parts of electrical equipment, including busbars, wiring terminals, insulators and other surfaces shall not be damaged or contaminated by foreign materials such as paint, plaster, cleaners, abrasives or corrosive residues. There shall be no damaged parts that may adversely affect safe operation of mechanical strength of the equipment such as parts that are broken, bent, cut or deteriorated by corrosion, chemical action or overheating. Damaged materials, equipment, appliances and devices shall not be reused unless such elements have been reconditioned, tested and placed in good and proper working condition and approved by a nationally recognized testing laboratory or by the manufacturer of the equipment. Electrical equipment damaged by natural or man-made events shall be reused only as recommended by the manufacturer of such equipment.

(OUBCC Amendment)

## **CHAPTER 2 WIRING AND PROTECTION**

### **ARTICLE 210 – BRANCH CIRCUITS**

Section 210.19(A) Branch circuits not more than 600 volts is hereby amended to add the following:

*210.19(A) Branch circuits not more than 600 volts.*

Informational note No. 5: Branch circuit conductors shall not be smaller than 12 AWG.

Section 210.19(A) (4) is amended to read as follows:

*210.19(A) (4) Other Loads* is hereby amended by deleting the number "14" in the fifth line and inserting the number "12."

210.70 are amended to add Subsection (D) to read as follows:

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

Exception: Where all the following apply:

- a. The storage building is designed and built so as to be self-contained;
- b. The entrances to storage spaces are within the interior of the building;
- c. Interior lighting is sufficient to illuminate the storage space to a minimum of one footcandle when the door to the unit is open and is certified to meet this standard by a State of Oklahoma registered engineer;
- d. The lighting is continuous during business hours and for one hour thereafter; and
- e. The lease space shall not exceed 150 square feet or exceed 15 feet in depth.

## **ARTICLE 230 - SERVICES**

Section 230.28 Service masts as supports is hereby amended to add the following sentence:

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

## **ARTICLE 250 – GROUNDING AND BONDING**

250.50 (A) is amended to add the following sentence:

250.50(A) Metal Underground Water Pipe. The point of connection shall be made before the first solder joint of the premises' incoming metal water piping system.

Section 250.118 Types of equipment grounding conductors is hereby amended to read as follows:

*250.118 Types of Equipment Grounding Conductors.* 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 bus bar of any shape.

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 WIRING METHODS AND MATERIALS**

### **ARTICLE 310 – CONDUCTORS FOR GENERAL WIRING**

310.2 (B) is amended to read as follows:

310.2 (B) Conductor material. Conductors in this article shall be copper.

First exception: No. 2/0 and larger aluminum and copper-clad aluminum conductors in structure or occupancies other than dwellings.

Second exception: No. 2 and larger conductors installed overhead or underground at the exterior of structure or occupancies.

Termination and splices of aluminum and copper-clad aluminum shall be made with solder less pressure connectors as defined in SECTION 110-14 and shall be the crimp type.

#### **ARTICLE 334 – NONMETALLIC-SHEATHED CABLE: TYPES NM, NMC AND NMS**

Section 334.10 (2) Uses permitted is hereby amended to add the following subsection:

334.10 (2). Multi-family dwellings permitted to be of types III, IV and V construction.

- a. Approved electrical plans for structure with mixed use occupancies are required prior to permit issuances. The approved set of electrical plans shall be onsite.

Section 334.12 Uses not permitted is amended to add the following subsections:

334.12 (A) Types NM, NMC and NMS:

- (11) In any commercial or industrial buildings;
- (12) In schools;
- (13) In churches; or

#### **ARTICLE 358 – ELECTRICAL METALLIC TUBING: TYPE EMT**

Section 358.10 Uses permitted is hereby amended to read as follows:

358.10 (B) 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.

#### **ARTICLE 362 – ELECTRICAL NONMETALLIC TUBING: TYPE ENT**

Section 362.12 Uses not permitted is hereby amended to add the following subsection:

361.12 Uses not permitted.

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

#### **ARTICLE 408 – SWITCHBOARDS, SWITCHGEAR AND PANELBOARDS**

Section 408.30 General is hereby amended to add the following:

408.30 *General.* All panelboards shall have a rating not less than the minimum feeder capacity required to the load calculated in accordance with Part III, IV or V of Article 220, as applicable.

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 ¾ inch empty raceway extended from the panelboard into an accessible location such as an attic or underfloor space for future use.

#### **ARTICLE 410 – LUMINAIRES, LAMPHOLDERS AND LAMPS**

Section 410.16 Luminaires in clothes closets is hereby amended to read as follows:

*410.16 Luminaires in clothes closets and linen closets.*

410.52 is amended to add the following paragraph:

410.52 Switched Lamp Holders is hereby amended by adding the following paragraph: Pull chain lamp holders or switches shall have an insulating link installed in the chain. Where installed above concrete or conductive floors, the uninsulated portion of the chain shall be at least seven feet above the floor.

### **CHAPTER 5 SPECIAL OCCUPANCIES**

#### **ARTICLE 505 ZONE 0, 1 AND 2 LOCATIONS**

Section 505.7 (A) Implementation of zone classification system is hereby amended to read as follows:

*505.7 (A) Implementation of zone classification system.* Classification of areas, engineering and design, selection of equipment and wiring methods shall be performed by a Registered Professional Engineer with expertise in Hazardous (Classified) Locations and Zone Systems. The installation of equipment, wiring methods and inspections shall be performed by qualified persons.

(OUBCC Amendment)

#### **ARTICLE 506 ZONE 20, 21 AND 22 LOCATIONS FOR COMBUSTIBLE DUSTS OR IGNITIBLE FIBERS/FLYINGS**

Section 506.7 (A) Implementation of zone classification system is hereby amended to read as follows:

506.7 (A) *Implementation of zone classification system.* Classification of areas, engineering and design, selection of equipment and wiring methods, shall be performed by a Registered Professional Engineer with expertise in Hazardous (Classified) Locations and Zone Systems. The installation of equipment and wiring methods and inspection shall be performed by qualified persons.  
(OUBCC Amendment)

## **ARTICLE 511 COMMERCIAL GARAGES, REPAIR AND STORAGE**

Section 511.2 Definitions is hereby amended to read as follows:

Major repair garage. A building or portions of a building where major repairs, such as engine overhauls, painting, body and fender work, maintenance or repairs that require open-flame cutting or welding, and repairs that require draining of the motor vehicle fuel tank are performed on motor vehicles, including associated floor space used for offices, parking or showrooms.  
(OUBCC Amendment)

## **CHAPTER 6 SPECIAL EQUIPMENT**

### **ARTICLE 680 – SWIMMING POOLS, FOUNTAINS AND SIMILAR INSTALLATIONS**

Section 680.23 (A) (3) GFCI protection, relamping is hereby amended to read as follows:

680.23 (A) (3) *GFCI protection, relamping.* A ground-fault circuit interrupter shall be installed in the branch circuit supplying luminaires such that there is no shock hazard during relamping. The installation of the ground-fault circuit interrupter shall be such that there is no shock hazard with any likely fault-condition combination that involves a person in a conductive path from any ungrounded part of the branch circuit or the luminaire to ground.

Section 680.23(A) (4) Voltage Limitations is hereby amended to read as follows:

680.23 (A) (1) *Voltage limitations.* No luminaires shall be installed for operation on supply circuits over 15 volts between conductors.

#### **Section 2:**

All other provisions established by this section shall remain the same, as if specifically set out herein.

#### **Section 3:**

That if any section, subsection, sentence, clause or phrase of this legislation is, for any reason, held to be unconstitutional, such decision shall not affect the validity of the remaining portions of this ordinance. The City of Yukon hereby declares that it

would have passed this law, and each section, subsection, clause or phrase thereof, irrespective of the fact that any one or more sections, subsections, sentences, clauses and phrases be declared unconstitutional.

Secs. 204-77—204-90. - Reserved.

#### SECTION 4: EMERGENCY:

**WHEREAS**, it being immediately necessary for the preservation of the peace, health, safety and public good of the City of Yukon and the inhabitants thereof that the provisions of this ordinance be put into full force and effect, an emergency is hereby declared to exist by reason whereof this ordinance shall take effect, and be in full force from and after its passage, as provided by law.

**PASSED AND APPROVED** this 18<sup>th</sup> day of AUGUST, 2020, with the Emergency Clause passed separately.

  
MAYOR

ATTEST:

  
CITY CLERK  
(SEAL)

