

The City Clerk of the City of Tulsa, OK,
a Municipal Corporation, hereby certifies
that the foregoing is a true and correct
copy of attachment herewith set out as
appears of record in the City Clerk's Office,
175 E 2nd Street, Suite 260, Tulsa, OK,
this 28th day of FEBRUARY, 2014,
by Arnold K. Bell

Deputy City Clerk

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& Legal News,

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13-314-1

JAN. 17, 2014.)

ORDINANCE NO. 23002



AN ORDINANCE AMENDING TITLE 52, TULSA REVISED ORDINANCES, THE ELECTRICAL CODE OF THE CITY OF TULSA, OKLAHOMA, CREATING A NEW SECTION 109 BY REPLACING THE ELECTRICAL EXAMINING AND APPEALS BOARD AND VESTING APPEAL AND OTHER AUTHORITY IN THE BOARD OF APPEALS AS CREATED IN TITLE 51, TULSA'S REVISED ORDINANCES, CHAPTER 1; PROHIBITING UNLICENSED ELECTRICAL WORK IN THE CITY OF TULSA AND REQUIRING REGISTRATION WITH THE CITY BY ONE WHO WOULD DO ELECTRICAL WORK; RENUMBERING SECTIONS 110 AS 109, 110.1 AS 109.1, 113 AS 110, 113.1 AS 110.1, 113.1.1 AS 110.1.1, 113.1.2 AS 110.1.2, 113.2 AS 110.2, 113.3 AS 110.3, 113.4 AS 110.4, 113.5 AS 110.5, 113.6 AS 110.6, REPEALING ALL ORDINANCES OR PARTS OF ORDINANCES IN CONFLICT HEREWITH; PROVIDING FOR SEVERABILITY; AND DECLARING AN EMERGENCY.

BE IT ORDAINED BY THE CITY OF TULSA:

Section 1. That Title 52, Tulsa Revised Ordinances, be and the same is hereby amended to read as follows:

"TITLE 52

ELECTRICAL CODE

CHAPTER 1 - ADMINISTRATION

- Section 100. Adoption of National Electrical Code, 2011 Edition (NFPA 70-2011).
- Section 101. Applicability.
- Section 102. Office of electrical inspection.
- Section 103. Approval.
- Section 104. Permits.
- Section 105. Permit fees.
- Section 106. Inspections.
- Section 107. Violations.
- Section 108. Stop work order.
- Section 109. Means of appeal.

Section 110. Registration of unlimited electrical contractors.

Section 111. Registration fees.

SECTION 100. ADOPTION OF NATIONAL ELECTRICAL CODE, 2011 EDITION (NFPA 70-2011)

100.1 A certain document, three (3) copies of which are on file in the Office of the City Clerk of the City of Tulsa, Oklahoma being marked and designated as the *National Electrical Code*, 2011 Edition (NFPA 70-2011), as published by the National Fire Protection Association (NFPA), is hereby adopted as part the Tulsa Revised Ordinances, hereinafter the "Electrical Code," for the control of electrical systems and equipment located in buildings and structures and their appurtenant constructions in the City of Tulsa. Each and all of the terms, conditions, regulations, provisions, and penalties of the *National Electrical Code*, 2011 Edition (NFPA 70-2011) are hereby referred to, adopted and made a part of the Tulsa Revised Ordinances as if fully set out in this title, with amendments. As used in this title, the *National Electrical Code*, 2011 Edition (NFPA 70-2011), as amended by this title, may be referred to as the "code."

100.2 Intent: This code shall be construed to ensure public health, safety and welfare insofar as they are affected by the installation and maintenance of electrical systems.

SECTION 101. APPLICABILITY

101.1 Existing Structures-Added. Except as otherwise provided in this title, this code shall not require the removal, alteration or abandonment of, nor prevent continued use of an existing electrical system.

101.2 Alteration, Additions, or Repairs-Added. The alteration, addition or repair of any electrical system shall conform to requirements for a new electrical system, without requiring the entire existing system to comply with all of the requirements of this code. Alterations, additions and repairs shall not cause an existing system to become unsafe or adversely affect the performance of the system. Where additions or alterations subject parts of an existing system to loads exceeding those permitted in this code, such parts shall be made to comply with this code.

101.3 Referenced Standards-Added. The standards referenced in this code shall be deemed incorporated by reference into this code, to the extent prescribed by each reference. Where differences occur between provisions of this code and the referenced standards, the provisions of this code shall apply.

101.4 Maintenance-Added. Electrical systems, equipment, materials and appurtenances, both existing and new, and parts thereof shall be maintained in a safe, hazard-free condition. Devices or safeguards that are required by this code shall be maintained in compliance with the code edition under which installed. The owner or the owner's designated agent shall be responsible for the maintenance of the electrical systems and equipment. To determine compliance with this provision, the code official shall have the authority to require that the electrical systems and equipment be reinspected.

SECTION 102. OFFICE OF ELECTRICAL INSPECTION

102.1 Authority Having Jurisdiction-Added. Pursuant to Title 11, Tulsa Revised Ordinances, Chapter 2, the Director of Planning and Economic Development, or the Director's designated representative, as provided for by Title 51, Section 103.2, Tulsa Revised Ordinances, shall direct the administration of the Electrical Code of the City of Tulsa.

102.1.1 Code Official-Added. The term "code official" as used in this ordinance, shall be the Electrical Inspections Supervisor and such assistants as may be duly employed.

102.2 Conflict of Interest Prohibited-Added. Electrical Inspectors shall ascribe to and be guided in professional conduct as City of Tulsa representatives, as provided in Title 12, Chapter 6, Tulsa Revised Ordinances, the "Ethics Code".

102.3 Duties of Code Official-Added. The code official shall enforce all of the provisions of this code and shall act on any question relative to the installation, alteration and operation of electrical systems and equipment.

102.4 Authority to Disconnect Service Utilities-Added. The code official shall have the authority to authorize disconnection of utility services or energy sources to the building, structure or system regulated by this code in case of an emergency where it is necessary to eliminate an immediate hazard to life or property. The code official shall notify the serving utility and, wherever possible, the owner and occupant of the building, structure or service system of the decision to disconnect prior to taking such action. If not notified prior to disconnecting, the owner or occupant of the building, structure or service system shall be notified in writing as soon as practical thereafter. A person shall not make utility service or energy source connections to systems regulated by this code, which have been disconnected or ordered to be discontinued by the code official, or the use of which has been ordered to be discontinued by the code official until the code official authorizes the reconnection and use of such systems.

102.5 Authority to Condemn Electrical Systems-Added. Wherever the code official determines that any electrical system, or portion thereof, regulated by this code has become hazardous to life, health or property, the code official shall order in writing that such electrical systems either be removed or restored to a safe condition. A time limit for compliance with such order shall be specified in the written notice. A person shall not use or maintain a defective electrical system or equipment after receiving such notice.

SECTION 103. APPROVAL

103.1 Approved Materials and Equipment-Added. All materials, equipment, and devices approved by the code official for use under the administration of this code shall be constructed and installed in accordance with such approval.

103.2 Alternative Materials and Equipment-Added. The provisions of this code shall not prevent the installation of any material or prohibit any method of construction not specifically prescribed by this code, provided that the alternative material or method has been approved by

the code official. An alternative material or method of construction shall be approved when the code official finds that the proposed design satisfactorily complies with the intent of this code, and that the material, method, or work offered is for the purpose intended. Any and all alternative materials or methods of construction shall be equal to or greater in quality, strength, effectiveness, fire resistance, durability and safety than that prescribed in this code.

103.3 Labeling-Added. Electrical materials and equipment regulated by this code shall be listed and labeled by an Occupational Safety and Health Administration (OSHA) Nationally Recognized Testing Laboratory, indicating that they have been tested and evaluated for the intended application by an approved agency, unless they are otherwise approved as provided this title.

Exception:

Unlabeled Equipment. The following procedures shall be employed for acceptance of any unlabeled equipment:

1. The appliance or equipment shall be investigated and tested by a Professional Engineer, registered in the state of Oklahoma, who is qualified in the field of, and familiar with the specific appliance or equipment to be tested. The Engineer shall not be affiliated in any manner with the manufacturing or distribution of the appliance or equipment.
2. A letter bearing the signature and seal of the Registered Engineer, registered in the State of Oklahoma shall be furnished to the code official, which shall include the following information:
 - a. A statement requesting a variance from the labeling requirements set forth in Section 110.3 of the National Electrical Code.
 - b. A specific description of the appliance or equipment with the model and serial numbers.
 - c. The purpose the appliance or equipment is to serve.
 - d. The type of investigation and test performed. Testing and evaluation shall be in accordance with National Fire Protection Association (NFPA) Standard 791, *Recommended Practice and Procedures for Unlabeled Electrical Equipment Evaluations*.
 - e. The date and results of the investigation and test performed.
 - f. A statement from the engineer that the equipment is safe for its intended use.

- g. The code official shall approve the letter before the appliance or equipment installation shall be accepted pursuant to this exception.

103.5 Construction Documents-Added. Any construction documents, including plans and specifications that are required by this code or any other adopted code governing construction, shall be kept at the site of work and shall be open to inspection by the code official.

SECTION 104. PERMITS

104.1 Payment of Fees-Added. No permit shall be issued until the fees prescribed in Title 49 Tulsa Revised Ordinances have been paid.

104.2 Permit Required-Added. No person, firm, partnership, corporation, or limited liability company shall do or cause to be done any electrical work without first having obtained an electrical permit (as applicable) from the Office of Electrical Inspection. Electrical permits shall not be transferable.

104.3 Permits Not Required-Added. No permits shall be required for minor repairs, if the repair work does not require alteration or rearrangement of the electrical installation.

104.4 Qualification of Applicants-Added. No electrical permit shall be issued to any person, firm, partnership, corporation, or limited liability company until such person, firm, partnership, corporation or limited liability company has produced clear and convincing evidence of having in their possession the required licenses and registrations. 5

104.5 By Whom Application is Made-Added. An application for an electrical permit shall be made by the contractor employed to perform the work. In lieu of a written application, an applicant may call the City's Permit Center and give the address of the work site and a description of the work to be done.

104.6 Issuance of Permits-Added. It shall be the duty of the code official to issue a permit allowing such person, firm, partnership, corporation, or limited liability company to perform the electrical work covered by an application, provided construction plans for the electrical work comply with the ordinances of the City of Tulsa.

104.7 Suspension of Permit-Added. Unless extended by the code official, either prospectively or retroactively, any permit issued shall be invalid if the authorized work is not commenced within six (6) months after issuance of the permit, or if the authorized work is suspended or abandoned for a period of six (6) months after the time work commenced.

104.8 Revocation of Permit-Added. The code official shall revoke any permit or approval issued pursuant to this code, in the event it is discovered that the permit or approval was issued based upon a false statement or misrepresentation of fact materially affecting the permit application or construction documents.

104.9 Annual Permits-Added. Regardless of requirements contained in this title for the issuance of permits, an annual permit may be issued to any qualified person, firm, partnership, corporation, or limited liability company owning and operating a commercial, industrial, utility, processing, or institutional plant within the City of Tulsa, provided issuance is consistent with all other provisions of the Tulsa Revised Ordinances.

SECTION 105. PERMIT FEES

105.1 General-Added. A permit to begin work for new construction or alteration shall not be issued until the prescribed fees shall have been paid, nor shall an amendment to a permit necessitating an additional fee because of the additional work involved be approved until the additional fee has been paid in accordance with Title 49, Tulsa Revised Ordinances.

105.2 Escrow-Added. In lieu of paying cash for each permit, contractors may deposit with the City of Tulsa a sum of money, to be determined by such contractor, to cover anticipated costs for permits and inspections. Such an escrow deposit, when made, shall authorize the City of Tulsa to use the funds for the payment of any and all permit and inspection fees. Such funds shall be held in trust on behalf of the contractor in a non-interest bearing account. When requested, a monthly statement showing all deposits, withdrawals, and the account balance shall be made available to the contractor.

SECTION 106. INSPECTIONS

106.1 Inspection Required-Added. When any electrical work is performed for which a permit is required, such work shall be inspected by the code official. When inspecting materials and labor, the code official shall inspect only the material and labor furnished and performed by the electrical contractor and shall approve or reject that work on its merits. In the event the code official finds valid reasons to require other electrical work to be performed on, in, or about the premises, the code official shall treat such work as separate and shall give notice to the owner of other work required as provided in this code.

106.2 Request for Inspection-Added. It shall be the duty of the person, firm, partnership, corporation, or limited liability company holding permits to perform electrical work to notify the Office of Electrical Inspection as soon as any electrical work is ready for inspection.

106.3 Work Open for Approval-Added. Work shall not be performed beyond the point indicated in each successive inspection without first obtaining the approval of the code official. The code official, upon notification, shall make the requested inspections and shall either indicate the portion of the construction that is satisfactory as completed, or shall notify the permit holder or an agent of the permit holder in what manner the work fails to comply with this code. Any portions that do not comply shall be corrected and such portion shall not be covered, concealed or occupied until authorized by the code official. Work that is covered or concealed, or a residence that is occupied without approval of the code official shall be in violation of this code and the responsible party shall be penalized by the imposition of a civil fine in accordance with Title 49, Tulsa Revised Ordinances for each occurrence and may result in a hearing before the Electrical Examining and Appeals Board. The assessment or payment of this penalty shall

not relieve any person from fully complying with all the requirements of this code nor shall such payment exempt the person from further penalty provided by law.

106.4 Notices and Certificates of Inspection-Added. Upon inspection, the code official shall, if the work complies with this code, issue a certificate of inspection indicating approval of the work. Such work may then be concealed. In the event the work does not obtain the code official's approval, the code official shall leave a written notice identifying the deficiencies. Appropriate corrections and re-inspection shall be made and approval shall be given by the code official before such work may be concealed.

106.5 Removal of Inspection Notice-Added. It shall be unlawful, an offense and a misdemeanor for anyone, other than the code official, to remove a rejection or a passed inspection notice, until all work has been completed in its entirety by all trade inspectors.

106.6 Alteration After Inspection-Added. It shall be unlawful, an offense and a misdemeanor for any person, firm, partnership, corporation, or limited liability company to alter any electrical work after its final inspection unless a permit is obtained from the Office of Electrical Inspection for such alteration.

106.7 Exception for Emergencies-Added. For emergency work outside regular business hours, including weekends and holidays, a utility company may connect electrical service to any electrical installation which the utility company deems to be safe. In such cases, the utility company shall notify the Office of Electrical Inspection no later than the first work day after the electrical connection was made so the installation can be inspected.

106.8 Final Inspection-Added. Upon completion of the electrical work, a final inspection shall be performed. The code official shall, if the work complies with the code, issue a certificate of inspection indicating approval of the work. In the event the work does not receive the code official's approval, the code official shall leave written notice identifying the deficiencies. Appropriate corrections and re-inspections shall be made before any final approval.

106.9 Other Inspections-Added. In addition to the inspections specified in this title, the code official is authorized to make or require other inspections of any work to ascertain compliance with the provisions of this code and other laws that are enforced by the code official.

106.10 Downtime and Reconnect Inspections-Added. Downtime and Reconnect Inspections authorize the electric utility to disconnect and reconnect an electrical service on permitted work before an inspection by the code official with the following conditions:

1. The service that is being altered is currently in use.
2. A permit has been issued for the work to be performed.
3. The request shall be made twenty-four (24) hours in advance and cleared with the electric utility.

4. The electrical contractor shall contact the Office of Electrical Inspection, who shall complete the application and forward it to the electric utility.
5. Immediately upon completion of the installation, the electrical contractor shall call for an inspection.
6. The contractor, in advance of the inspection and in coordination with the electric utility, shall remove all meter, cabinet, and panel covers.
7. Violation of these conditions may result in the electrical contractor being prohibited from requesting Downtime and Reconnect Inspections in the future.

106.11 Right of Entry-Added. Where it is necessary to make an inspection to enforce the provisions of this code, or where the code official has reasonable cause to believe that there exists in a structure or upon a premises a condition which is contrary to or in violation of this code which makes the structure or premises unsafe, dangerous or hazardous, the code official is authorized to enter the structure or premises at reasonable times to inspect or to perform the duties imposed by this code, provided that if such structure or premises be occupied that credentials be presented to the occupant and entry requested. If such structure or premises is unoccupied, the code official shall first make a reasonable effort to locate the owner or other person having charge or control of the structure or premises and request entry. If entry is refused, the code official shall have recourse to the remedies provided by law to secure entry.

SECTION 107. VIOLATIONS

107.1 Unlawful Acts-Added. It shall be unlawful, an offense and a misdemeanor for any person, firm, partnership, corporation, or limited liability company to erect, construct, alter, repair, remove, demolish, or operate electrical equipment regulated by this code, or cause same to be done, in conflict with or in violation of any provision of this code.

107.2 Notice of Violation-Added. The code official shall serve a notice of violation or order on the person responsible for the erection, installation, alteration, extension, repair, removal, demolition, or operation of electrical equipment or systems in violation of this code, a detail statement or approved construction documents, or a permit or certificate issued under the provisions of this code. The order shall direct the person responsible to discontinue the illegal action or condition and to abate the violation.

107.3 Prosecution of Violation-Added. If the notice of violation is not corrected within seven (7) days of the notice or order being served, or within any extension granted in writing by the code official, the code official shall file a written complaint in Municipal Court or shall request the City Attorney to institute the appropriate proceeding at law or in equity to restrain, correct, or abate such violation or to require the removal or termination of the unlawful use of the structure in violation of the provisions of this code or of any order, notice or direction served.

107.4 Violation Penalties-Added. Any person violating any of the provisions of this code, a permit or certificate issued under the provisions of this code, approved construction documents

or the order, notice, or directive of the code official shall be guilty of a misdemeanor offense and, upon conviction thereof, shall be punished by a fine of not more than FIVE HUNDRED DOLLARS (\$500.00), excluding costs, fees, and assessments, or by imprisonment in the City Jail for a period not exceeding ninety (90) days, or by both such fine and imprisonment. Each day that a violation continues after an order or notice has been served shall be deemed a separate offense.

107.5 Abatement of Violation-Added. Imposition of criminal penalties prescribed in this title shall not preclude the City Attorney from instituting appropriate action to restrain or enjoin unlawful construction, the illegal occupancy of a building, or to stop an illegal act, conduct, business, or operation of electrical equipment or systems, or to abate any such violation.

107.6 Penalty Fee Authorized-Added. If work is initiated prior to the issuance of the required permit, a penalty fee shall be charged, in addition to any regular permit fees. The penalty fee shall be in accordance with Title 49, Tulsa Revised Ordinances. The assessment or payment of this fee shall not relieve any person from fully complying with all requirements of this code nor shall such payment exempt the persons from further penalty, such as suspension or revocation of their Certificate of Registration.

Exception: For emergency work started outside regular business hours, including weekends and holidays, a permit must be obtained no later than the first business day after the work is started. Upon satisfactory proof of such emergency, no penalty fee shall be imposed.

SECTION 108. STOP WORK ORDER

108.1 Notice-Added. Upon notice from the code official that work on any structure is being conducted contrary to the provisions of this code or in an unsafe and dangerous manner, such work shall be immediately stopped. A stop work order shall be in writing and shall be given to the owner of the property involved, or to the owner's agent, or to the person doing the work. The stop work order shall state the conditions under which work will be permitted to resume. Where an emergency exists, the code official shall not be required to give a written notice prior to stopping the work.

108.2 Unlawful Continuance-Added. Any person who shall continue any work after having been served with a stop work order, except such work as he is directed to perform to remove a violation or unsafe condition, shall be guilty of a misdemeanor offense as prescribed in Section 107.4 of this title.

108.3 Unsafe Electrical Systems-Added. An electrical system that is unsafe, constitutes a fire or health hazard, or is otherwise dangerous to human life, as regulated by this code, is hereby declared an unsafe electrical system. Use of an electrical system regulated by this code constituting a hazard to health, safety or welfare by reason of inadequate maintenance, dilapidation, fire hazard, disaster, damage or abandonment is hereby declared to be a public nuisance, and shall be abated by repair, rehabilitation, demolition or removal.

SECTION 109. MEANS OF APPEAL

109.1 Board of Appeals-Added. Appeals of orders, decisions or determinations made by the code official relative to the application and interpretation of this code, shall be to the Board of Appeals as created and described in Title 51, Chapter 1, Tulsa Revised Ordinances. Subsequent appeals from the Board and City Council shall follow the procedure provided therein.

SECTION 110. REGISTRATION OF UNLIMITED ELECTRICAL CONTRACTORS

110.1 General-Added. No person, firm, partnership, corporation, or limited liability company shall be issued a permit, engage or offer to engage in, by advertisement or otherwise, electrical work in the City of Tulsa unless such person, firm, partnership, corporation, or limited liability company has registered with the City of Tulsa as provided in this title. All unlimited contractors shall carry on their person, at all times while performing electrical work within the City of Tulsa, their state license and Certificate of Registration and shall display the same upon request from the code official or a police officer of the City of Tulsa.

110.1.1 Apprentice Supervision-Added. No person issued a contractor's license shall employ or supervise persons performing electrical work unless those person(s) are licensed. In addition, no person issued a contractor's license shall allow any apprentice to perform electrical work unless the apprentice is directly supervised by a licensed person. If an apprentice works without this required supervision, both the electrical contractor license holder and the apprentice shall be guilty of this offense.

110.1.2 Apprentice and Journeyman Licensing-Added. Each electrical journeyman and apprentice shall carry on their person a copy of their license with the State of Oklahoma and shall display the same upon request from the code official or a police officer of the City of Tulsa.

110.2 Requirements for Registration-Added. No person, firm, partnership, corporation, or limited liability company shall be issued a Certificate of Registration unless the City shall have been furnished proof of the issuance of a current State of Oklahoma unlimited contractor license issued under the provisions of 59 O.S.2001, §§ 1680, *et seq.*, as amended, and the fees established in Title 49 Tulsa Revised Ordinances shall have been paid to the City.

110.3 Transfer of Registration Prohibited-Added. No person, firm, partnership, corporation, or limited liability company shall allow its name to be used by any other person, firm, partnership, corporation, or limited liability company to obtain any permit or do any electrical work under its registration.

110.4 Registration after Revocation-Added. No person, firm, partnership, corporation, or limited liability company shall be permitted to obtain a new registration within one (1) year from the date of revocation of any prior registration.

110.5 Expiration of Registration-Added. Registration of state licensed contractors shall expire on the birth date of the licensee each year.

110.6 Identification of Service Vehicles-Added. Every contractor shall identify all service vehicles used in the contractor's business with the company name and contractor's license number. Such letters and numbers shall be no less than two (2) inches in height, shall be of a contrasting color, and shall be placed on both the driver's and passenger's side of all service vehicles.

110.7 Suspension or Revocation of Certificates of Registration-Added. Certificates of Registration may be suspended or revoked by the Board of Appeals in accordance with Title 51, Chapter 1, Tulsa Revised Ordinances.

SECTION 111. REGISTRATION FEES

111.1 Registration Fees-Added. Registrations of state licensed unlimited electrical contractors shall expire each year on the birth date of the licensee; provided that registrations for any firm, partnership, corporation, or limited liability company shall expire annually on the last day of July. Fees shall be charged for certificates of registration and renewals in accordance with Title 49, Tulsa Revised Ordinances.

Renewal applications may be made in person or by mail to the Permit & License Center. Either the original or a photocopy of the expiring certificate of registration or a new state license for unlimited electrical contractors shall accompany the check or money order for the required fee.

111.2 Expired Certificates of Registration-Added. When the certificate of registration for any registration authorized in this title has been expired for one (1) year or more, the former certificate holder shall be reexamined in accord with the requirements of this title before a new certificate of registration shall be issued.

CHAPTER 2

AMENDMENTS TO NATIONAL ELECTRICAL CODE, 2011 EDITION

The following sections of the National Electrical Code, 2011 Edition (NFPA 70-2011) are hereby added, deleted or amended to read as follows:

ARTICLE 100: DEFINITIONS-Amendatory

Article 100 of the *National Electrical Code*, 2011 Edition (NFPA 70-2011) is adopted as published, provided that the following definitions in Article 100 are added to read as follows:

Board of Appeals. The Board of Appeals created in Title 51, Tulsa Revised Ordinances, Chapter One..

Bracketing. The installation of open wires, supported by metal or wood brackets, along or across the exterior of buildings.

Direct Personal Supervision. The contractor or journeyman shall be on the job with and in sufficient proximity to the apprentice so as to properly supervise the apprentice, considering the skill and experience of the apprentice and the complexity of the work being performed.

Electrical Fence Charger System. A labeled circuit arrangement, whether energized by a battery or other electrical power source, which does or is designed or intended to impart an electrical shock to any person or animal coming in contact with such un-insulated conductors.

200.0 Compliance with Utility Company Regulations-Added. All electric metering equipment, the ownership and responsibility for which rests with the electric utility company furnishing electricity to such meter, shall be placed, wired, installed and equipped in accordance with the rules and regulations of such electric utility company.

210.2.1 Reuse of Damaged Electrical Materials, Equipment, and Appliances-Added. 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, as referenced in Title 52, Chapter 1, 103.3, or by the manufacturer of the equipment. Electrical equipment damaged by natural or man-made disasters shall be reused only as recommended by the manufacturer of such equipment.

210.22.1 Permanent Labels-Added. Permanent labels shall be installed to indicate the address or location served by individual meters for multi-occupancy buildings. The permanent labels shall be embossed or engraved plaques, screwed or riveted to the service disconnect.

215.12.1 Color Coding; Identification of Ungrounded Conductors-Added. Where more than one nominal voltage system exists in a building, each ungrounded system conductor shall be identified by phase and system as follows:

<u>240/120</u>	<u>208/120</u>	<u>480/277</u>	<u>Phase</u>
Black	Black	Brown	A
Orange	Red	Orange	B
Blue	Blue	Yellow	C
White	White	Natural Gray	Neutral

Other colors shall be used for special applications, such as travelers, etc.

220.0 Load Calculations-Added. Where an addition or alteration is made to an existing electrical system, an electrical load calculation shall be prepared to determine if the existing electrical service has the capacity to serve the added load, and the calculation shall be made available to the code official upon request.

230.24.1 Bracketing Prohibited-Added. There shall be no bracketing of wires to the exterior of buildings. Weather heads shall be so located that bracketing will not be necessary. This provision shall not apply to wires belonging to public utility companies providing service to existing buildings.

230.26.2 Point of Attachment for Overhead Services-Added. The point of the overhead service entrance and attachment to the electric utility company's service wires on a building shall be a minimum of ten (10) feet above the ground.

Exception: For existing structures with overhead services, the point of attachment shall be not less than nine (9) feet above the ground; and clearances shall be provided as required by the National Electrical Code.

230.28.1 Service Masts as Supports-Added. The minimum size of rigid metal conduit (RMC) shall be two (2) inch for services up to and including two hundred (200) amperes and two and one-half (2-1/2) inches for services over two hundred (200) amperes.

250.24.1 Ungrounded Systems. Construction of new ungrounded services shall require the written special permission of the code official.

300.11 Wiring in Accessible Ceilings-Amendatory. Sections 300.11(A) (1) and (A) (2) of the *National Electrical Code*, concerning placement and support of wiring in accessible ceilings, are intentionally deleted from this code.

358.12.1 Electrical Metallic Tubing (EMT) Uses Not Permitted-Added. EMT shall not be installed in concrete or underground.

491.1 Electrical Fence Chargers Systems Prohibited-Added. The installation of an electrical fence charger system in areas zoned for residential use in the City of Tulsa is hereby prohibited, including the insulators and the wiring.

Exceptions: Electrical fence chargers may be installed on:

1. A tract of land which is ten (10) or more acres, provided the system is not readily accessible to the public; or
2. A smaller tract, provided that the conductors are located a minimum of eight (8) feet above grade and are not readily accessible to the public.

505.7 (A) Implementation of Zone Classification System-Amendatory. Classification of areas containing flammable gases or vapors, 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 inspections shall be performed by qualified persons.

506.6 (A) Implementation of Zone Classification System-Amendatory. Classification of areas containing combustible dusts or ignitable fibers or flyings, 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 inspections shall be performed by qualified persons.

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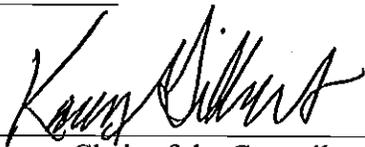
680.23.1 Underwater Luminaire(s) (Lighting)-Added. All underwater lighting for swimming, wading, therapeutic, and decorative pools, fountains, hot tubs, and spas shall be supplied with not more than fourteen (14) volts. Where a plastic deck box is used, it shall be installed not less than two (2) feet from the water's edge."

Section 2. REPEAL OF CONFLICTING ORDINANCES. That all ordinances or parts of ordinances in conflict herewith be and the same are now expressly repealed.

Section 3. SEVERABILITY CLAUSE. If any section, sentence, clause or phrase of this ordinance or any part thereof is for any reason found to be invalid by a court of competent jurisdiction, such decision shall not affect the validity of the remainder of this ordinance or any part thereof.

Section 4. EMERGENCY CLAUSE. That an emergency is now declared to exist for the preservation of the public peace, health and safety, by reason whereof this ordinance shall take effect immediately from and after its passage, approval and publication.

ADOPTED by the Council: _____ **DEC 12 2013**
Date



Chair of the Council

ADOPTED as an emergency measure: _____
Date

Chair of the Council

vve

OFFICE OF THE MAYOR

Received by the Mayor: _____, at _____
Date Time

Dewey Bartlett, Mayor

By _____
Secretary

APPROVED by the Mayor of the City of Tulsa, Oklahoma: JAN 08 2014,
Date
at _____
Time

Dewey Bartlett

Mayor

(Seal)
ATTEST:

Anthony Mays

DEPUTY City Clerk



APPROVED:

Lawrence Meili 1/10/14

City Attorney vve

