

ARTICLE 5. ELECTRICAL CODE

4-501. A) ADOPTION OF ELECTRICAL CODE BY REFERENCE. The standard code known as the National Electrical Code of 1999, a publication of the National Fire Protection Association, the same being a standard code for the installation of electrical wiring and apparatus and available in book and pamphlet form is hereby incorporated by reference herein and made a part of this article as authorized and in the manner prescribed by K.S.A. 12-3009:3012. Three copies shall be marked or stamped "Official Copy as Incorporated by the Code of the City of Ulysses," and shall be filed with the city clerk to be open to inspection and available to the public at all reasonable hours of business.

Any person violating any provision of such code shall be punished as provided in section 1-112 of this code. (Ord. 1031, Code 2003)

4-502. ADDITIONAL PROVISIONS. The following sections of this article are in addition to the provisions of the standard code incorporated by reference in section 4-302. (Code 2003)
CONDUCTORS FOR GENERAL WIRING. Article 310; Aluminum Wiring -- Tables 310-5, 310-16, 310-17, 310-18 and 310-19, 310-20 and 310-21, all reference to aluminum wiring shall be deleted in sizes No. 6 thru No. 18 and shall not be installed in residential, commercial or industrial buildings or any accessory buildings thereto. (Ord. 1016, Sec. 1B, Ord. 1031, Sec. 1B)

4-503. MINIMUM SIZE OF CONDUCTORS. Conductor size shall be as listed in table 310-5. (Ord. 1016, Sec. 1C)

4-504. AMENDMENT. 230-70(a) Location. The service disconnecting means shall be installed at a readily accessible location outside a building or structure. (Ord. 1016, Sec. 1D)

4-505. AMENDMENT. 240-50 General. Article 240-50(a) is amended to read as follows: Circuit breakers and not fuses shall be installed in circuits of less than 30 amperes in all new residential buildings, new wiring and extension in such buildings. A fuse stat may be installed down wire from a breaker to protect a specific piece of equipment. (Ord. 1016, Sec. 1E)

4-506. Deleted (Ord. 1016, Sec. 1F)

4-507. AMENDMENT. 550-7 is hereby amended by the addition of paragraph (j) to read as follows: Mobile homes or recreational vehicles wired with aluminum wire in size No. 6 thru No. 18 shall not be placed

on any lot allowing such placement, or in any mobile home park within the city and three mile area around the city. (Ord. 1016, Sec. 1G)

- 4-508. **ESTABLISHMENT OF OFFICE OF ELECTRICAL INSPECTOR.** The office of building official is hereby created and the executive official in charge shall perform the duties of electrical inspector in addition to the duties now imposed upon him by ordinance. (Code 1977, 4-503)
- 4-509. **DUTIES OF THE ELECTRICAL INSPECTOR.** It shall be the duty of the electrical inspector to enforce all laws relating to the wiring, rewiring and repair, extension or alteration or any electrical work for which a permit has been issued. (Ord. 486, Sec. 4)
- 4-510 **RIGHT OF ENTRY.** The building official, in the discharge of his or her official duties and upon proper identification, shall be authorized to enter any building, structure or premises at any reasonable hour. (Ord. 486, Sec. 6)
- 4-511. **LIABILITY OF BUILDING OFFICIAL.** The building official or any employee charged with the enforcement of the code, acting in good faith and without malice for the city in the discharge of his or her duties, shall not render himself or herself liable personally and he is hereby relieved from personal liability for any reason for any damage that may occur to persons or property as a result of any act or omission performed by him in the enforcement of any provisions of this code, shall be defended by the city attorney of the city until final termination of the proceeding. (Ord. 486, Sec. 5)
- 4-512. **DEFINITIONS.** For the purpose of this article, the words and phrases used herein shall have the following meanings unless the context clearly indicates to the contrary.
- (a) Electrical Wiring shall consist of placing or installation of wires, conduits, raceways, cables and/or circuits in buildings or structures in the corporate limits of the city and areas under jurisdiction and the repair, replacement, and/or rewiring of like power and lighting installations for the transmission of electricity for the operation and use of electrical appliance, fixtures, motors and other apparatus or equipment designed or intended to use electricity or electric current.
- (b) Master Electrician is a person who is qualified, certified and equipped to properly layout and plan the installation, repair and maintenance of electrical wiring.
- (c) Journeyman Electrician is a person who is qualified and certified to do electrical wiring, repair and maintenance or in any way

work at the occupation of electrical wiring for and under the direction of a qualified master electrician.

(d) Electrical Contractor is a person who is licensed and has in his or her employ a master electrician and others who are qualified certified and equipped to serve the public in the business of electrical wiring.

(e) Employing Electrician is a master electrician who works at the business of electrical wiring himself or herself and employs other certified electricians and helpers.

(f) Apprentice and Helper is a person who works with master electricians and journeyman electricians for the purpose of learning the occupation of electrical wiring and only in the presence of such master electrician and journeyman electrician.
(Code 1977, 4-507)

(g) Residential Electrician is a person who is qualified, certified and equipped to properly layout and plan the installation, repair and maintenance of residential electrical wiring in one and two family dwellings.

(h) Residential Journeyman is a person who is qualified and certified to do electrical wiring, repair and maintenance of residential electrical wiring in one and two family dwellings under the direction a qualified master or residential electrician.

(i) Sign Contractor, Electrical those qualified to install, repair, alter or add to any electrical wires, apparatus, raceways, conduit, or any part on electrical signs and is qualified to erect signs.

(j) Electrical Heating & A/C Installation those qualified to install, maintain, and repair heating and air conditioning equipment and make connections to an adequate electrical service.

(k) Electrical Maintenance those qualified to maintain electrical installations. Any maintenance shall be confined to the repair of existing branch circuits, fixtures, apparatus or equipment connected thereto, and shall include the relocation of existing branch circuits and the switching and de-energizing of existing facilities for safety purposes, contained and used upon the premises or building owned, occupied, or otherwise controlled by the person, firm, or corporation by whom the maintenance electrician is regularly employed. Work shall not include the installation, alteration or replacement of service equipment or any feeder to any center or centers of service equipment.

(l) Fire Alarm Contractor those qualified to install, repair, alter or extend fire alarm systems. Electrical installations must be performed by a licensed electrician.

(m) Electrical Inspector those qualified to inspect installations and determine their compliance with the NATIONAL ELECTRICAL CODE . (Ord 1016, sec.1H)

4-513. REGULATIONS. (a) The electrical inspector shall have the right and authority to condemn and cause to be removed, any lath, plaster or other construction which may interfere with the inspection of any electrical installation and he or she may condemn and cause to be replaced any wiring work or installation not in conformity with the provisions of this chapter or other laws of the city.

(b) For starting or commencing any work for which a permit is required without first securing and payment of fees required in section 4-519, a fee in the amount double to that amount computed in section 4-519 shall be charged.

(c) For each reinspection required because of work previously inspected found in noncompliance with this article, a fee of \$2 per inspection shall be payable in advance of said inspection.

(d) For failure to call for a final inspection on or before the estimated completion date of the work, a clerical fee of \$2 shall be paid in advance of the inspection.

(Code 1977, 4-508)

4-514. BOARD OF ELECTRICAL EXAMINERS AND APPEAL BOARD. There is hereby created a board of electrical examiners. This board shall consist of five members. Two members shall be master electricians, one member shall be a journeyman electrician, one member a journeyman or apprentice and one member shall be from the public at large. However, master electricians may hold any or all positions should the Mayor so choose. Members shall be appointed by the mayor and shall serve for a term of one year from first day of May in the year of appointment and thereafter such appointments shall be made annually before the first day of May. The mayor shall have the authority to remove any and all members of the board without cause. One member shall be designated as chairperson of the board and one member vice-chairman who will serve as chairman in the chairman's absence. The electrical inspector shall be secretary of the board and shall have custody of its records. The board shall make such rules and

regulations as are necessary for the conduct of its business subject to the approval of the mayor. (Code 1977, 4-509, Ord. 1031)

4-515. SAME; DUTIES. The board of examiners is hereby authorized to conduct examinations and to pass upon qualifications of persons coming before it for examination and if satisfied with the competency of such applicant, shall thereupon authorize the issuance of a certificate to such applicant authorizing him to work at the business of electrical work, either as a master electrician or a journeyman electrician. Application for license and certificates shall be made to the inspector and referred to the board of examiners. The board of electrical examiners shall hear appeals from any person, firm or corporation which has been aggrieved for any reason relating to the enforcement of this article governing such person, firm or corporation which has been aggrieved for any reason relating to the enforcement of this article governing such person, firm or corporation, said hearing; shall be held within 30 days of the date that a request for an appeals hearing is filed with the electrical inspector. Following such hearing the finding and decision of the board shall go to the governing body of the city in writing. The governing body shall consider the case at its next regular meeting. The decision of the governing body shall be final. (Code 1977, 4-513)

4-516. PERMIT FEE. The fee for a permit required by this article shall be as follows, which fee shall be paid prior to issuance of the permit:

- (a) Residential permit fee \$5;
- (b) Commercial permit fee \$15;
- (c) Industrial permit fee \$25;
- (d) Each breaker space in a residential panel \$2 each;
- (e) Each breaker space in a commercial or industrial panel \$3 each;
- (f) Motor loads (except residential ceiling fans and bathroom fans) \$0.25/HP;
- (g) Remodel fee figured on square feet in the area affected by such work \$0.05/sq.ft.;
- (h) Remodel fee for special kitchen outlets \$2 each;
- (i) Remodel fee for added circuits other than special kitchen outlets \$1 each.

(Ord. 1049, Sec. 1)

4-517. ELECTRICAL INSTALLATION: PERMIT REQUIRED. No person shall enter upon the construction of any electric light or power wiring, whether original installation or any material alteration of existing installation, in any building in this city without first having secure a permit therefor. Application for such permit shall be made in writing to the electrical inspector upon blanks furnished by the city, describing the

proposed work. Upon the securing of such permit, the electrician shall cause the electrical wiring to be completed and inspected before any sheetrock or other wall materials are installed covering the electrical wiring. The work shall be performed at such time as to permit one inspection by the city inspector of the wiring of the entire structure prior to the installation of any sheetrock and/or covering material and one inspection upon completion of the structure. (Code 1977, 4-515)

4-518. SERVICE ENTRANCES. All electric service entrances made or repaired in the city shall be rigid conduit, steel tube or approved service cable, connected to an approved type enclosed entrance switch. (Code 1977, 4-523)

4-519. DISCONTINUANCE OF SERVICE. Service shall be discontinued to any customer whose wiring, rewiring, service entrance or meter is not installed in compliance with the provisions of this article. (Code 1977, 4-523)

4-520. DELETED (Ord 1016)

4-521. EXISTING WIRING. When adding to existing or on existing wiring, the adequacy of existing service and panel shall first be determined and said service and panel shall first be made adequate. (Code 1977, 4-519)

4-522. PENALTY. Any person violating any part or any provision of this article shall upon conviction, be fined not to exceed \$100 or imprisoned in jail not to exceed 30 days or both so fined and imprisoned in jail for each offense or violation, each day that a violation is permitted to exist shall constitute a separate offense. (Code 1977, 4-527)