

ORDINANCE NO. 5-O-2017-2018

ORDINANCE AMENDING CHAPTER 5-4 OF TITLE V OF THE CITY CODE OF THE CITY OF STORM LAKE, IOWA, TITLED "ELECTRICAL CODE AND REGULATION OF ELECTRICIANS," TO ADOPT BY REFERENCE THE MOST RECENT EDITION OF THE NATIONAL ELECTRICAL CODE, WITH MODIFICATIONS, AND CERTAIN RELATED IOWA CODE SECTIONS, AND TO GENERALLY UPDATE THE PROVISIONS OF THE ELECTRICAL CODE AND REGULATION OF ELECTRICIANS

WHEREAS, the City Council of the City of Storm Lake, Iowa, has determined that Chapter 5-4 of Title V of the City Code of the City of Storm Lake, Iowa should be amended to generally update the City's electrical code and regulations concerning electricians, including, but not limited to, the adoption by reference of the most recent edition of the National Electrical Code, with certain modifications;

NOW, THEREFORE, BE IT ORDAINED by the City Council of the City of Storm Lake, Iowa, as follows:

Section 1. Chapter 5-4 of Title V of the City Code of the City of Storm Lake, Iowa, is hereby amended as follows:

a. Section 5-4-3, captioned, "Electrical Code Adopted," is deleted and, in lieu thereof, the following new Section 5-4-3, captioned "Electrical Code Adopted," is inserted:

Section 5-4-3 Electrical Code Adopted

After published notice and public hearing as required by law, the National Electrical Code, 2017 Edition, as published and approved by the National Fire Protection Association but as adopted and amended from time to time by the electrical examining board within the division of state fire marshal of the Iowa Department of Public Safety pursuant to Iowa Code Sections 100.1, 100.35, 103.1, and 103.6 and administrative rules pursuant thereto is hereby adopted as the Electrical Code for the City, subject to the modifications made by this Section 5-4-3. The National Electrical Code, 2017 Edition, as so adopted and amended, and Iowa Code Sections 100.1, 100.35, 103.1, and 103.6 are hereby incorporated by reference, subject to the modifications set forth below in this Section 5-4-3. All installations, repair or replacement of electrical equipment within the City shall be made in conformance with the Electrical Code for the City and no permit shall be issued by the Electrical Inspector for such a project if the plans and specifications are not in conformance with that Code.

A copy of the National Electrical Code, 2017 Edition, as adopted and amended by the electrical examining board within the division of state fire marshal of the Iowa Department of Public Safety, shall be maintained in the office of the Building Official and shall be available for public inspection

during all normal business hours.

Notwithstanding the provisions of the National Electrical Code, 2017 Edition, as adopted and amended by the electrical examining board within the division of state fire marshal of the Iowa Department of Public Safety, the following provisions shall apply:

(A) All business buildings (either erected, altered or converted for such purpose), public buildings, schools, churches, oil stations, warehouses, bulk oil plants, institutional buildings, apartment houses and all buildings except dwelling houses of not more than two (2) families, shall be wired throughout with rigid conduit, armored cable, flexible steel conduit, metal raceway, electrical metallic tubing, metal clad cable, or electrical non-metallic tubing in accordance with NEW requirements, provided, however, that armored cable or flexible steel conduit may be used only where it is impractical to use rigid conduit or electrical metallic tubing, and further provided that in remodeling work in the buildings above mentioned, metal surface raceway may be used in remodeling, where, in the opinion of the Electrical Inspector, it is impractical to install rigid conduit or electrical metallic tubing. However, in all structures having four (4) or more dwelling units, a feeder must be installed to each dwelling unit branch circuit panel and run in conduit or electric metallic tubing. Each individual dwelling unit may be wired in metallic armored cable (BX) or non-metallic sheath cable (Romex).

(B) Basements of all dwelling houses shall be wired in rigid conduit or electric metallic tubing with the same provision for the use of armored cable or flexible steel conduit as provided in the preceding paragraph, provided that where the entrance switch or panel is on a floor other than the basement, the conduit must be continuous from such switch or panel and connect to the basement conduit. The balance of buildings used as dwelling houses for not more than two (2) families and private garages may be wired with non-metallic sheathed cable.

(C) All sign boards or poster boards shall be wired in rigid conduit, electric metallic tubing, or electrical non-metallic tubing.

b. Section 5-4-6, captioned, "Permits," is deleted and, in lieu thereof, the following new Section 5-4-6, captioned "Permits," is inserted:

Section 5-4-6 Permits

No electrical equipment shall be installed within or on any building, structure or premises, publicly or privately owned, nor any alterations or additions

made in existing equipment, without first securing a permit therefor from the Electrical Inspector except that a permit shall not be required to construct, maintain or install any of the following classes of electrical work:

(A) Routine maintenance as defined in Iowa Code Section 103.1(16).

(B) The installation, alteration or repair of electrical equipment installed by or for any electrical supply agency, for the use of such agency, in the generation, transmission, distribution or metering of electricity.

(C) Any work involved in the manufacturing, testing, servicing, altering or repairing of electrical equipment or apparatus, except that this exemption shall not include any permanent wiring.

(D) Inspections and an electrical permit are not required if all of the following conditions apply:

1. The installation is performed by a licensed Electrical Contractor, Residential Electrical Contractor or their employees.
2. The installation does not in any way involve work within a new or existing switchboard or panelboard.
3. The installation does not exceed 30 amps.
4. The installation does not exceed 277 volts, single phase.

c. Section 5-4-8, captioned, "Applicant Required To Be Licensed, Exception," is deleted and, in lieu thereof, the following new Section 5-4-8, captioned "Applicant Required To Be Licensed, Exception," is inserted:

Section 5-4-8 Applicant Required To Be Licensed, Exception

No permits for the installation or alteration of any electrical equipment shall be issued to any person, unless the applicant therefor is the owner of a license entitling such applicant to secure permits for and to execute the work described in the application for the permit, except that a homeowner shall be entitled to a permit for an existing residence in which he/she resides, in accordance with State licensing requirements. New homes must be wired by a Master Electrician, licensed by the State of Iowa.

d. Section 5-4-10, captioned, "Inspection," is deleted and, in lieu thereof, the following new Section 5-4-10, captioned "Inspection," is inserted:

Section 5-4-10 Inspection

Upon the completion of any installation or alteration requiring an electrical permit it shall be the duty of the person making the installation or alteration to notify the Electrical Inspector who shall inspect the installation or alteration within twenty-four (24) hours of the time such notice is given, exclusive of Saturdays, Sundays, and holidays, or as soon thereafter as practical. If the Electrical Inspector shall find such installation or alteration in conformity with the provisions of this Chapter, he/she shall inform the person making such installation or alteration verbally of his/her approval. The Electrical Inspector shall provide notice of approval to the serving electrical utility at the time of service connection as required by the specific serving utility. When any electrical equipment is to be hidden or concealed from view by the permanent placement of parts of the building, the person installing the equipment shall notify the Inspector and such equipment shall not be concealed until it has been inspected and approved by him/her, or until twenty-four (24) hours following notification, exclusive of Saturdays, Sundays and holidays provided that on any large installation, where the concealment of equipment proceeds continuously, the person installing such equipment shall give the Electrical Inspector due notice, and inspection shall be made periodically during the progress of the work period.

Section 2. All ordinances or parts of ordinances in conflict with the provisions of this ordinance are hereby repealed.

Section 3. This ordinance shall be in effect following its passage, approval, and publication as provided by law.

PASSED AND APPROVED this 19th day of March, 2018.



Michael Porsch, Mayor

ATTEST:



Keri Navratil, City Manager