



Roll Call Number

Agenda Item Number

49A

Date December 4, 2017

An Ordinance entitled, "AN ORDINANCE to amend the Municipal Code of the City of Des Moines, Iowa, 2000, adopted by Ordinance No. 13,827, passed June 5, 2000, as heretofore amended, by amending Sections 26-400, 26-405, 26-409, 26-451 and 26-452, and by repealing Sections 26-411 and 26-412, for the purpose of adopting the 2017 National Electric Code",

presented.

Moved by _____ that this ordinance be considered and given first vote for passage.

FORM APPROVED:

(First of three required readings)

Handwritten signature of Jessica D. Spoden

Jessica D. Spoden
Assistant City Attorney

Table with 5 columns: COUNCIL ACTION, YEAS, NAYS, PASS, ABSENT. Rows include COWNIE, COLEMAN, GATTO, GRAY, HENSLEY, MOORE, WESTERGAARD, and TOTAL.

MOTION CARRIED

APPROVED

Mayor

CERTIFICATE

I, DIANE RAUH, City Clerk of said City hereby certify that at a meeting of the City Council of said City of Des Moines, held on the above date, among other proceedings the above was adopted.

IN WITNESS WHEREOF, I have hereunto set my hand and affixed my seal the day and year first above written.

City Clerk

ORDINANCE NO. _____

AN ORDINANCE to amend the Municipal Code of the City of Des Moines, Iowa, 2000, adopted by Ordinance No. 13,827, passed June 5, 2000, as heretofore amended, by amending Sections 26-400, 26-405, 26-409, 26-451 and 26-452, and by repealing Sections 26-411 and 26-412, for the purpose of adopting the 2017 National Electric Code.

Be It Ordained by the City Council of the City of Des Moines, Iowa:

Section 1. That the Municipal Code of the City of Des Moines, Iowa, 2000, adopted by Ordinance No. 13,827, passed June 5, 2000, as heretofore amended, is hereby amended by amending Sections 26-400, 26-405, 26-409, 26-451 and 26-452, and by repealing Sections 26-411 and 26-412, for the purpose of adopting the 2017 National Electric Code, as follows:

Sec. 26-400. Adoption of the National Electrical Code.

- (a) This article shall consist of the National Electrical Code, ~~2014~~ 2017 edition, published by the National Fire Protection Association, commonly known as and referred to in this article as the "National Electrical Code" or "NEC", a copy of which is on file in the office of the city clerk and which is incorporated by this reference in its entirety, except as otherwise indicated in this article.
- (b) This article and all provisions incorporated in this article, by reference or otherwise, shall be known as the electrical code. References to section numbers not preceded by "26-" will be to articles in the National Electrical Code.

Sec. 26-405 Deletions.

The following are deleted from the NEC and are of no force or effect in this article:

- (1) Article 210.12(~~BD~~).
- (2) Article 406.4(D)(4).

Sec. 26-409. Service entrance requirements.

- (a) All service entrances in and upon buildings and structures within the city shall be of the class known as "rigid metal conduit (RMC), intermediate metallic conduit (IMC), or electrical metallic tubing (EMT)," except as provided in this section.
- (b) Underground service entrances for all buildings except in single-family, two-family, and row dwellings shall be of moisture resistant wire installed in rigid metal conduit or approved non-metallic raceway such as schedule ~~40~~ 80 polyvinylchloride or its equivalent.

- (c) Other provisions of this section to the contrary notwithstanding, that portion of an underground service lateral that is installed by an electrical contractor, but is owned and maintained by a business licensed by law to engage in the business of supplying and distributing electricity, may be of a type used by such a business for such an installation.
- (d) All direct burial cable used by the utility company for the purpose of distributing electrical current within the city, shall be placed and located in the ground a minimum depth of 30" below the proposed final grade. No separation shall be required between electrical conductors and communications conductors when laid in a common trench.
- (e) Underground service entrance risers, to the meter, may be schedule 40 PVC, when not subject to physical damage.

Sec. 26-411.—Ground-fault-circuit-interrupter-protection-requirements. Repealed by Ord. No. 15,---

- (a) ~~Add the following exceptions to article 210.8, paragraph (A), subparagraph (2) of the NEC:~~
 - (1) ~~Exception No. 1 to (2): Receptacles that are not readily accessible.~~
 - (2) ~~Exception No. 2 to (2): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord and plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).~~
 - (3) ~~Receptacles installed under the exceptions to 210.8(A)(2) shall not be considered as meeting the requirements of 210.52(G).~~
- (b) ~~Add the following exceptions to article 210.8, paragraph (A), subparagraph (5) of the NEC:~~
 - (1) ~~Exception No. 2 to (5): Receptacles that are not readily accessible.~~
 - (2) ~~Exception No. 3 to (5): A single receptacle or a duplex receptacle for two appliances located within dedicated space for each appliance that, in normal use, is not easily moved from one place to another and that is cord and plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).~~
- (c) ~~Add the following text to the end of article 210.8, paragraph (A), subparagraph (5) of the NEC:~~
~~Receptacles installed under the exceptions to 210.8(A)(5) shall not be considered as meeting the requirements of 210.52(G).~~

Sec. 26-412.—Lighting-load-calculations. Repealed by Ord. No. 15,---

~~The exception to article 220.12 of the NEC is hereby amended by deleting said exception and inserting in lieu thereof the following:~~

~~Exception: Where the building is designed and constructed to comply with the energy code, the lighting load shall be permitted to be calculated at the values specified in the energy code.~~

Secs. 26-413—26-499 26-411—26-449. Reserved.

Sec. 26-451. Master, journeyman, and apprentice licenses.

Except as provided in section 26-452 or as otherwise specifically allowed by this chapter, no person shall work in the electrical trades or perform any work regulated by article IV of this chapter without a license recognized by this chapter.

- (1) Those persons working in the electrical trades who have been issued a license, exclusive of class B licenses, by the Iowa electrical examining board pursuant to I.C. Iowa Code chapter 103, shall be recognized as licensed and eligible to work in the city within the scope of activities authorized by such licenses.
- (2) Those persons working in the electrical trades who have been issued a class B license by the Iowa electrical examining board pursuant to I.C. Iowa Code chapter 103, shall be recognized as licensed and eligible to work in the city within the scope of activities authorized by such licenses only if they previously held a comparable electrical license issued by the City.
- (3) A master electrician may not be listed as the master electrician of record for more than one electrical contractor at one time.

Sec. 26-452. Exemptions from licensing requirements.

The provisions of sections 26-450 and 26-451 shall not apply to the following:

- (1) The electrical work of a public utility company, telephone, or telegraph company, nor the persons performing electrical work for such companies, if that electrical work is an integral part of the plant used by such public utility company or telephone or telegraph company in rendering its duly authorized service to the public.
- (2) A regular employee of any railroad who does electrical work only as part of that employment.
- (3) ~~The service or maintenance connection or disconnection of comfort heating any heating, ventilation, air conditioning, or refrigeration equipment by any person who is licensed as a comfort heating contractor journeyman or master in HVAC or refrigeration under the provisions of article V of this chapter of the City Code, provided that such service or maintenance connection or disconnection shall include electrical work only on electrical equipment that is part of comfort heating any heating, ventilation, air conditioning, or refrigeration equipment. This work shall include the connection or disconnection of the comfort heating any heating, ventilation, air conditioning, or refrigeration equipment to an existing individual branch circuit.~~
- (4) ~~The electrical work performed in or on city-owned buildings or equipment when such work is performed by regular city employees who are classified as electricians in the city's position classification plan. Routine maintenance performed by a city employee, county employee, or employee of any political subdivision of the state. Routine maintenance means the repair or replacement of existing electrical apparatus or equipment, including but not limited to wires, cables, switches, receptacles, outlets, fuses, circuit breakers, and fixtures, of the same size and type~~

for which no changes in wiring are made, but does not include any new electrical installation or the expansion or extension of any circuit.

- (5) The work performed on traffic signals or streetlights by an employee of a contractor qualified according to the standard specifications of the state department of transportation and acting pursuant to a contract of the city or the state that is included in a jointly approved project agreement.
- (6) In cases in which an owner-occupant of an existing single family dwelling desires to conduct work on electrical systems in the owner-occupant's single family dwelling the owner-occupant may appear before the respective discipline inspector to demonstrate that he or she is competent to do the specific work to be accomplished, and after successful demonstration of competence as determined by the inspector, may obtain the permit(s) by paying the proper fee. For purposes of this section a single family dwelling unit shall mean a detached residence designed for or occupied by one family only which is the primary residence of the owner-occupant with record of homestead and qualifies for the homestead tax exemption. Electrical service work must be completed by an electrical contractor licensed in accordance with section 26-450.
- (7) Or any other provision contained within Iowa Code section 103.22

Section 2. This ordinance shall be in full force and effect as of January 1, 2018.

FORM APPROVED:



Jessica D. Spoden
Assistant City Attorney