

ORDINANCE NO. 15,632

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, 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(D).
- (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 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. Repealed by Ord. No. 15,632.

Sec. 26-412. Repealed by Ord. No. 15,632.

Secs. 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 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 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 connection or disconnection of any heating, ventilation, air conditioning, or refrigeration equipment by any person who is licensed as a journeyman or master in HVAC or refrigeration under the provisions of article V of this chapter of the City Code, provided that such connection or disconnection shall include electrical work only on electrical equipment that is part of any heating, ventilation, air conditioning, or refrigeration equipment. This work shall include the connection or disconnection of any heating, ventilation, air conditioning, or refrigeration equipment to an existing individual branch circuit.
- (4) 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

T. M. Franklin Cownie, Mayor

Attest:

I, Diane Rauh, City Clerk of the City of Des Moines, Iowa, hereby certify that the above and foregoing is a true copy of an ordinance (Roll Call No. 17- 2101), passed by the City Council of said City at a meeting held December 4, 2017 signed by the Mayor on December 4, 2017 and published and provided by law in the Business Record on December 22, 2017. Authorized by Publication Order No. 10208.

Diane Rauh, City Clerk