

ORDINANCE NO. 13,562

AN ORDINANCE to amend the Municipal Code of Des Moines, 1991, adopted by Ordinance No. 11,651, passed April 15, 1991, and amended by Ordinance No. 13,409, passed January 6, 1997, by repealing Sections 8-84.01, 8-84.02 and 8-118, thereof and enacting new Sections 8-84.01, 8-84.02 and 8-118, all relating to changes in the Electrical Code.

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

Iowa:

Section 1. That the Municipal Code of Des Moines, 1991, adopted by Ordinance No. 11,651, passed April 15, 1991, and amended by Ordinance No. 13,409, passed January 6, 1997, be and is hereby amended by repealing Sections 8-84.01, 8-84.02 and 8-118, thereof and enacting new Sections 8-84.01, 8-84.02 and 8-118, all relating to changes in the Electrical Code, as follows:

8-84.01. MASTER ELECTRICIANS CERTIFICATE OF COMPETENCY.

To obtain a master electricians certificate of competency a person shall meet the following conditions:

- (a) Successfully pass a master electricians examination administered and/or approved by the board of examiners.
- (b) He or she must have been certified by the City, or any other approved jurisdiction, as a journeyman electrician for a period of two years and been actively engaged in the electrical trade during that period.

EXCEPTIONS: The requirements to obtain a master electricians certificate of competency may be waived for individuals qualifying under the following exceptions:

- (1) Holders of electrical contractors licenses granted by the City prior to the passage of this subsection shall be issued a master electricians certificate of competency.
- (2) A master electricians certificate of competency may be issued without examination, as required by section 8-84.01(a), in the case of any person holding a similar certificate or license if so recognized by the board as having similar certification standards.
- (3) Within two years of the publication of this subsection, any person engaged in the trade for a period of six years or more may be eligible to receive the master electricians certificate of competency upon successfully passing the master electricians examination. For this period of time, individuals who receive a passing score on the master electricians examination will not be required to serve in the journeyman status for two years, if they can demonstrate satisfactorily to

the Electrical Board that they have a minimum of six years experience in the electrical installation trade.

8-84.02. JOURNEYMAN ELECTRICIANS CERTIFICATE OF COMPETENCY.

No person, except persons qualifying under section 8-84.03 (apprentice), shall engage in the work or practice the trade of installing, altering, maintaining, or repairing any electrical equipment within the scope of this code without first obtaining a journeymans certificate of competency through examination and meeting one or more of the following minimum requirements:

(a) Four years of working as an apprentice, as specified in section 8-84.03, under the direct supervision of an individual holding either a master or journeyman electricians certificate of competency. (b) Completion of a minimum of 60 credit hours of post secondary training in the electrical field, from an accredited educational institution or trade school and being employed full time for a period of two years with an electrical contractor, under a master or journeymans direct supervision. The educational training may not occur simultaneously.

EXCEPTIONS: All or part of the requirements, specified in subsection 8-84.02, may be waived for individuals qualifying under the following exceptions:

(1) Persons holding a master electricians certificate of competency are not required to hold a journeyman electricians certificate of competency.

(2) Within two years after the publication of this subsection persons engaged in the trade as described above for a period of six (6) years or more, at the time of the adoption of this subsection, may receive a journeymans certificate of competency without examination, if such individual presents a written recommendation from a person who holds a Des Moines electrical contractors or master electricians certificate of competency.

(3) Persons who present evidence of having taken a journeyman level examination, and receiving a successful score, similar in content and difficulty to the examinations required under this code, may receive a journeyman electricians certificate of competency without any further examination. This exception shall be reviewed and granted only by the Board.

8-118. SERVICES AND CIRCUITS: SEPARATION FROM COMMUNICATIONS CONDUCTORS.

(a) All service entrances in and upon buildings within the city shall be of the class known as "rigid metal conduit or electrical metallic tubing," except as herein provided.

(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 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 corporation licensed by law to engage in the business of supplying and distributing electricity, may be of a type used by such a corporation 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. 2. This ordinance shall be in full force and effect from and after its passage and publication as provided by law.

FORM APPROVED:

Vicky Long-Hill

Assistant City Attorney