

Passed: 02/12/08
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ORDINANCE NO. 1923

AN ORDINANCE AMENDING SECTION 15.20.010 OF THE DERBY MUNICIPAL CODE, PROVIDING FOR ADOPTION BY REFERENCE OF THE 2005 NATIONAL ELECTRIC CODE, ALL PERTAINING TO THE DESIGN, CONSTRUCTION, QUALITY OF MATERIALS, ERECTION, INSTALLATION ALTERATION, REPAIR, LOCATION, RELOCATION, REPLACEMENT, ADDITION TO, USE OR MAINTENANCE OF ALL ELECTRIC WIRING, APPLIANCES, OR DEVICES FOR LIGHT, HEAT OR POWER IN THE CITY OF DERBY; PROVIDING FOR THE ISSUANCE OF PERMITS AND COLLECTION OF FEES THEREFOR; AND REPEALING ORIGINAL SECTION 15.20.010 OF SAID CODE.

BE IT ORDAINED BY THE GOVERNING BODY OF THE CITY OF DERBY, KANSAS:

Section 1. §15.20.010 of the Derby Municipal Code is hereby amended to read as follows:

15.12.010 Adoption of 2005 National Electrical Code; local amendments.

A. The 2005 National Electrical Code, excluding its several appendices (the "NEC"), a uniform code prepared by the International Code Council, Inc., 5203 Leesburg Pike, Suite 708, Falls Church, Virginia, 22041, is hereby adopted by reference and incorporated as an ordinance of the City of Derby, Kansas, except as specific provisions thereof are hereby amended or repealed. One or more copies of the NEC shall be marked or stamped "Official Copy," with all deleted or amended sections or portions thereof clearly marked to show such modification, and to which shall be attached a copy of this ordinance. Such copy or copies shall be filed with the City Clerk and shall be open and available for public inspection at all reasonable hours.

B. Section 210.8 of the NEC is hereby amended to read as follows:

210.8 Ground-Fault Circuit-Interrupter Protection for Personnel.

FPN: See 215.9 for ground-fault circuit-interrupter protection for personnel on feeders.

(A) Dwelling Units. All 125-volt, single-phase, 15- and 20 ampere receptacles installed in the locations specified in (1) through (9) shall have ground-fault circuit -interrupter protection for personnel.

- (1) Bathrooms
- (2) Garages, and also accessory buildings that have a floor located at or below grade level not intended as habitable rooms and limited to storage areas, work areas, and areas of similar use.

Exception No. 1 to (2): Receptacles that are not readily accessible.

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 core-and-plug connected in accordance with 400.7(A)(6), (A)(7), or (A)(8).

Receptacles installed under the exceptions to 210.8(A)(2) shall not be considered as meeting the requirements of 210.52(G).

(3) Outdoors

Exception to (3): Receptacles that are not readily accessible and are supplied by a dedicated branch circuit for electric snow-melting or deicing equipment shall be permitted to be installed in accordance with 426.28.

Receptacles installed under the exceptions to 210.8(A)(5) shall not be considered as meeting the requirements of 210.52(G).

(4) Crawl spaces-----at or below grade level

(5) Unfinished basements-----for purposes of this section, unfinished basements are defined as portions or areas of the basements not intended as habitable rooms and limited to storage areas, work areas, and the like.

Exception No. 1 to (5): Receptacles that are not readily accessible.

Exception No. 2 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).

Exception No. 3 to (5): A receptacle supplying only a permanently installed fire alarm or burglar alarm system shall not be required to have a ground-fault circuit-interrupter protections.

(6) Kitchen----where the receptacles are installed to serve the countertop surfaces.

(7) Laundry, utility, and wet bar sinks----where the receptacles are installed within 1.8 m (6 ft) of the outside edge of the sink.

(8) Boathouses.

(9) Within six feet of the edge of any sink.

(B) Other than Dwelling Units. All 125-volt, single phase, 15- and 20 ampere receptacles installed in the locations specified in (1) through (6) shall have ground-fault circuit-interrupter protection for personnel.

(1) Bathrooms.

(2) Commercial and institutional kitchens for the purposes of this section a kitchen is an area with a sink and permanent facilities for food preparation and cooking.

(3) Rooftops.

(4) Outdoors in public spaces for the purpose of this section a public space is defined as any space that is for use by, or is accessible to public and is not more than 78 inches above grade.

(5) Outdoors, where installed to comply with Article 426.

(6) Within 25 feet at an accessible location for the servicing of heating, air conditioning and refrigeration equipment. (See 210.63).

Exception to (3) and (4): Receptacles that are not readily accessible and are supplied from a dedicated branch circuit for electric snow-melting or deicing equipment shall be permitted to be installed in accordance with the applicable provisions of Article 426.

C. Subsection (D) of section 210.52 of the NEC is hereby amended to read as follows; provided, that the remainder of such section shall remain unchanged:

210.52(D) Bathrooms. In dwelling units, at least one receptacle outlet shall be installed in bathrooms within (3 ft) of the outside edge of each basin. The receptacle outlet shall be located on a wall or partition that is adjacent to the basin or basin countertop. In other than dwelling units, a minimum of one wall receptacle outlet shall be installed in bathrooms and located within 36 inches (914 mm) of the outside edge of one basin. (Basin means the same as lavatory.) Receptacle outlets shall not be installed in a face-up position in the work surfaces or countertops in a bathroom basin location.

D. Subsection (A)(1) of section 230.70 of the NEC is hereby amended to read as follows; provided, that the remainder of such section shall remain unchanged:

(A)(1) Readily Accessible Location. The service disconnecting means shall be installed either inside or outside of a building or other structure at a readily accessible location either outside of a building or structure or inside nearest the point of entrance of the service conductors. Except by special permission prior to the installation, unfused service entrance conductors shall not be extended more than 15 feet inside any building.

E. Subsection (B) of section 310.2 of the NEC is hereby amended to read as follows; provided, that the remainder of such section shall remain unchanged:

(B) Conductor Material. Conductors in this article shall be of aluminum, copper-clad aluminum, or copper unless otherwise specified. All 15 and 20 ampere branch circuits shall have copper conductors.

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F. Table 310.15(B)(6) of the NEC is hereby amended to read as follows:

Table 310.15(B)(6) Conductor Types and Sizes
For 120/240-Volt, 3-Wire, Single-Phase Dwelling Services and feeders.

| | Conductor (AWG or kcmil) | |
|--------|--------------------------------------|---------------------------------------|
| Copper | Aluminum or Copper- Clad Aluminum | Service or Feeder Rating (Amperes) |
| 4 | 2 | 100 |
| 3 | 1 | 110 |
| 2 | 1/0 | 125 |
| 1 | 2/0 | 150 |
| 1/0 | 3/0 | 175 |
| 2/0 | 4/0 | 200 |
| 3/0 | 250 | 225 |
| 4/0 | 300 | 250 |
| 250 | 350 | 300 |
| 350 | 500 | 350 |
| 400 | 600 | 400 |

Includes all accessory structures to one- and two-family dwellings which are Types III, IV and V construction. See 334.10 FPN No. 1.

G. Subsection (E) of section 314.27 of the NEC is hereby amended to read as follows; provided, that the remainder of such section shall remain unchanged:

(E) In Attics . Pull, junction, switch, and receptacle boxes located in attics, above hard finished ceilings, shall be located a minimum of 30 inches above attic walking surfaces except when accessible from the finished side.

H. Section 334.10 of the NEC is hereby amended to read as follows:

334.10 Uses Permitted. Type NM, Type NMC and Type NMS cable shall be permitted to be used in one- and two-family dwellings, multi-family apartment dwellings not exceeding three floors above grade and accessory structures to the same if of Types III, IV and V construction FPN: See 310.10 for temperature limitation of conductors.

I. Section 405.35 of the NEC is hereby amended to read as follows:

408.35 Number of Overcurrent Devices on One Panelboard. Not more than 42 overcurrent devices (other than those provided for in the mains) of a lighting and appliance branch-circuit panelboard shall be installed in any one cabinet or cutout box. A lighting and appliance branch-circuit panelboard shall be provided with physical means

to prevent the installation of more overcurrent devices than that number for which the panelboard was designed, rated, and approved. For the purposes of this article, a two-pole circuit breaker shall be considered two overcurrent devices; a three-pole circuit breaker shall be considered three overcurrent devices. At final inspection of all new construction (100 amps & larger), and all final inspections of panel changes, a minimum of two large or four small breaker spaces shall remain unused.

Exception : Services with only one circuit.

J. The opening paragraph and subsections (A) and (B) of section 590.6 of the NEC are hereby amended to read as follows; provided, that the remainder of such section shall remain unchanged:

590.6 Ground-Fault Protection for Personnel. Ground-fault protection for personnel for all temporary wiring installations shall be provided to comply with 590.6(A) and 590.6(B). This section shall apply only to temporary wiring installations used to supply temporary power to equipment used by personnel during construction, remodeling, maintenance, repair, or demolition of buildings, structures, equipment, or similar activities.

(A) Receptacle Outlets. All 125-volt, single-phase, 15-, 20-, and 30-ampere receptacle outlets that are not a part of the permanent wiring of the building or structure and that are in use by personnel shall have ground-fault circuit interrupter protection for personnel. If a receptacle(s) is installed or exists as part of the permanent wiring of the building or structure and is used for temporary electric power, ground-fault circuit-interrupter protection for personnel shall be provided. For the purposes of this section, cord sets or devices incorporating listed ground-fault circuit interrupter protection for personnel identified for portable use shall be permitted.

Exception: In industrial establishments only, where conditions of maintenance and supervision ensure that only qualified personnel are involved, an assured equipment grounding conductor program as specified in 590.6(B)(2) shall be permitted for only those receptacle outlets used to supply equipment that would create a greater hazard if power was interrupted or having a design that is not compatible with GFCI protection.

(B) Use of Other Outlets: The only receptacle other than 125-volt, single-phase, 15-, 20-, and 30-ampere receptacles that is permitted for temporary wiring installations is a 250-volt, 4-wire, 30-ampere twist-lock receptacle with ground-fault circuit interrupter protection, which shall be a NEMA L 14-30R type. The corresponding plug shall be a NEMA L 14-30P.

K. Subsection (A) of section 680.8 of the NEC is hereby amended to read as follows; provided, that the remainder of such section shall remain unchanged:

680.8 (A) Power. The following parts of pools shall not be placed under existing service-drop conductors or any other open overhead wiring; nor shall such wiring be installed above the following:

- (1) Pools and the area extending 10 ft. horizontally from the inside of the walls of the pool;

- (2) Diving structure; or
- (3) Observation stands, towers, or platforms.

Section 2. Original §15.20.010 of the Derby Municipal Code are hereby repealed.

Section 3. This Ordinance shall be effective from and after its publication once in the official City newspaper.

ADOPTED BY THE GOVERNING BODY this 12th day of February, 2008.



Dion P. Avello, Mayor

ATTEST:



Jean Epperson, City Clerk