

## CHAPTER 5 – BUILDINGS AND BUILDING REGULATIONS

### Section 5-41. National Electrical Code – Adopted and Amended

(A) A certain documents, one copy of which is on file in the City Clerk’s Office of the City of Peoria, being marked and designated as “National Electrical Code, 2011 Edition,” published by the National Fire Protection Association is hereby adopted, as amended herein, as the Electrical Code of the City of Peoria.

(B) The National Electrical Code, 2011 Edition, is amended as follows:

(1) Amend Article 110.7 by adding the following sentence:

All electrical equipment 1000 amps or larger must pass a dielectric strength test by a qualified third party before requesting a meter clearance.

(2) Amend Article 250.118 by replacing it with the following:

250.118. Types of Equipment Grounding Conductors

The equipment grounding conductor run with or enclosing the circuit conductors shall be one or more or a combination of the following:

1. Threaded Rigid metal conduit and fittings.
2. Threaded Intermediate metal conduit and fittings.

(3) Amend Article 312.5 by replacing the first paragraph with the following (the remainder of Article 312.5 shall remain unchanged):

**312.5 Cabinets, Cutout Boxes, and Meter Socket Enclosures.** Conductors entering enclosures within the scope of this article shall be protected from abrasion and shall comply with 312.5 (A) through (C).

Exception: For one- and two- family dwellings, cables with entirely non-metallic sheaths shall be permitted to enter the back of a surface-mounted enclosure through one or more nonflexible raceways not more than 75 mm (3 in.) in diameter, and not less than 75 mm (3 in.) and not more than 600 mm (24 in.) in length, provided all of the following conditions are met:

- a. Each cable is fastened within 200 mm (8 in.) measured along the sheath of the outer end of the raceway.
- b. The raceway extends directly into an enclosed wall space.
- c. A fitting is provided on each end of the raceway to protect the cable(s) from abrasion.
- d. The raceway is sealed or plugged using approved means so as to prevent access to the enclosure through the raceway.

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- e. The cable sheath is continuous through the raceway and extends into the enclosure beyond the fitting not less than 50 mm (2 in.)
- f. The raceway, if greater than 305 mm (12 in.) is fastened at its end in accordance with the applicable article.
- g. The raceway shall be permitted to be filled to 60 percent of its total cross sectional area, and 310.15(B)(2)(a) adjustment factors need not apply to this condition.

- (4) Amend Article 334.10 by deleting 334.10(3) and adding as follows:

334.10 Uses Permitted. Type NM, Type NMC, and Type NMS cables shall be permitted to be used in the following:

Other dwelling unit accessory buildings and structures in accordance with 334.10(1) and (2).

- (5) Amend Article 358.10 by replacing 358.10(B) with the following:

(B) Corrosion Protection. Ferrous or nonferrous EMT, elbows, couplings, and fittings shall be permitted to be installed in concrete ; that is not in direct contact with the earth ; or in areas subject to severe corrosive influences where protected by corrosion protection and judged suitable for the condition.

- (6) Amend Article 358.12 by adding the following:

(Items 1 through 6 to remain the same)

(7) On or below grade.

- (7) Amend Article 501.30(A) by deleting the exception in its entirety.

- (8) Amend Article 501.30(B) by deleting the exception in its entirety.

- (9) Amend Article 502.30(A) by deleting the exception in its entirety.

- (10) Amend Article 502.30(B) by deleting the exception in its entirety.

(Code 1977, § 8-3-1(A))

(Ord. No. 90-35, 8/28/90, 1984 edition adopted)

(Ord. No. 95-26, 5/2/95, 1993 edition adopted)

(Ord. No. 98-109, 10/6/98, 1996 edition adopted)

(Ord. No. 01-20, 5/22/01, 1999 edition adopted)

(Ord. No. 04-22, 5/16/04, 2002 edition adopted) SUPP 2004-2

(Ord. No. 07-11, 4/17/07, 2005 edition adopted) SUPP 2007-2

(Ord. No. 2012-08, 5/1/2012, 2011 edition adopted) SUPP 2012-2