

Proposed City of San Diego Amendments – Part I

2010 California Electrical Code - Electrical Regulations

2010 California Electrical Code

Ch 12 Article 9 Division 3

Update references in Section 129.0307 subsection (e) through (f)

§129.0307 How to Apply for an Electrical Permit

Item (a) through (d) no change

- (e) All submitted plans shall show a single line diagram of service, feeders, conduit, and wire sizes. Electrical calculations shall accompany all submitted plans. A Signed Certification of for Compliance with California Administrative Code Title 24 the California Energy Code, Title 24 Part 6 shall appear on the plans.
- (f) All submitted plans shall be signed as required by the California Business and Professions Code, Chapter 7 Article 3 Division 3.
- (g) All plans required for hospitals and electrical installations operating in excess of 600 volts shall be signed by a ~~State Registered~~ California Licensed Electrical Engineer.

Ch 14 Article 6 Division 1

§146.0103 Interpretation of the Electrical Regulations

- (a) The language used in this article and in the ~~2007~~ California Electrical Code which is made a part of this article by reference, is intended to convey the common and accepted meaning familiar to the electrical industry.

§146.0104 Adoption of the ~~2007~~ 2010 California Electrical Code

- (a) The ~~2007~~ 2010 California Electrical Code published and amended by the California Building Standards Commission (BSC) and as amended by the California Department of Housing and Community Development [HCD]; the Division of the State Architect-Access Compliance [DSA/AC]; the State Office of Statewide Planning and Development [OSHPD3]; and the State Fire Marshal

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[SFM] is adopted by reference and made a part of this article as if fully set forth, except as otherwise provided in this article. The regulations so referenced are the standard for electrical installations regulated by this article. A copy of the ~~2007~~ 2010 California Electrical Code is on file in the office of the City Clerk as Document No. ~~00-19727~~.

- (b) When reference is made to the ~~2007~~ 2010 California Electrical Code, it shall be the ~~2007~~ 2010 California Electrical Code, California Code of Regulations Title 24, Part 3 as published by the California Building Standards Commission and adopted by the City of San Diego.
- (c) Application. The amendments made by the state agencies to the model code and incorporated into the California Building Code are applicable only to those occupancies or uses which the state agency making the amendments is authorized to regulate, as listed in Article ~~089~~ 89.101 of the ~~2007~~ 2010 California Electrical Code. The Building Official shall only enforce those amendments made by the following state agencies:

The remainder of the section not changed.

§146.0105 **Portions of the ~~2007~~ 2010 California Electrical Code Not Adopted**

The following sections or sub-sections of the ~~2007~~ 2010 California Electrical Code are not adopted by the City of San Diego.

- (a) Article 230, Services, Section 43, Wiring Methods for 600 Volts, Nominal or Less, numbers (1) “Open Wiring on Insulators” and (7) “Service-entrance Cables” are not adopted.
- (b) Article 230, Services, Section 50, Protection of Open Conductors and Cables Against Damage – Above Ground; Section 51, Mounting Supports; and Section 52, Individual Conductors Entering Building or Other Structures; relating to protection and mounting of open wiring on insulators and service-entrance conductors are not adopted.

§146.0106 **Sub-sections of the ~~2007~~ 2010 California Electrical Code That Have Been Adopted with Modifications**

Article ~~408~~ 384, Switchboards and Panelboards, Section 3, Support and Arrangement of Busbars and Conductors, sub-Section (E) ~~(F)(1)~~ Phase Arrangement is adopted with modifications as follows:

The phase arrangement on three-phase buses shall be A, B, C, from front to back, top to bottom, or left to right, as viewed from the front of the switchboard or panelboard. The C phase shall be that phase having the higher voltage to ground on three-phase (3- phase),

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four-wire (4-wire) delta connected systems. Other busbar arrangements may be permitted for additions to existing installations

§146.0202 Alterations, Additions, Relocations, and Conversions of Existing Wiring

- (a) Additions, extensions, alterations, or removal of existing wiring installations shall be made in compliance with the provisions of this article.
 - (1) Where additions, alterations, or extensions of a wiring installation are proposed in cases where this article requires a metallic wiring method, and the existing installation was lawfully installed according to any other applicable ordinance, code, or order and is not unsafe in the opinion of the Building Official, the existing installation need not be replaced.
 - (2) Existing electrical systems may be used in connection with alterations or repairs if such electrical systems have been properly maintained and were installed in accordance with the applicable laws in effect at the time of installation. Any electrical system shall be deemed to have conformed with applicable law in effect at the time of installation and to have been maintained in good condition if currently in a good and safe condition and working properly.
 - (3) Where the electrical system is upgraded at the owners initiative and the wall covering is not removed, the receptacle spacing requirements of the ~~2007~~ California Electrical Code, Article 210, section 52, shall not apply.