

**45-DAY EXPRESS TERMS  
FOR  
PROPOSED BUILDING STANDARDS  
OF THE  
CALIFORNIA BUILDING STANDARDS COMMISSION (CBSC)**

**REGARDING PROPOSED CHANGES TO  
THE 2014 NATIONAL ELECTRICAL CODE (NEC)  
WITH EXISTING AMENDMENTS INTO  
THE 2016 CALIFORNIA ELECTRICAL CODE (CEC)  
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 3**

(The State agency shall draft the regulations in plain, straightforward language, avoiding technical terms as much as possible and using a coherent and easily readable style. The agency shall draft the regulation in plain English. A notation shall follow the express terms of each regulation listing the specific statutes authorizing the adoption and listing specific statutes being implemented, interpreted, or made specific. (PART 1 – ADMINISTRATIVE CODE))

**LEGEND FOR EXPRESS TERMS**

1. Existing California amendments or code language being modified are in italics when they appear in the model code text: All such language appears in *italics*, modified language is underlined.
2. New California amendments: All such language appears underlined and in italics.
3. Repealed text: All such language appears in ~~strikeout~~.

**45-DAY EXPRESS TERMS**

The Building Standards Commission (BSC) proposes to adopt the 2014 edition of the National Electrical Code (NEC) for codification and effectiveness into the 2016 edition of the California Electrical Code (CEC) as presented on the following pages, including any necessary amendments. BSC further proposes to:

- Repeal the 2011 edition of the NEC and the 2013 CEC;
- Repeal amendments to the model code that are no longer necessary, repeal or amend building standards that are not addressed by a model code;
- Relocate or codify existing adopted and necessary amendments to the model code into the format of the model code proposed for adoption, the action of which has no regulatory effect; adopt new necessary amendments to the model code proposed for adoption; and/or
- Adopt new building standards that are not addressed by the model code proposed for adoption

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**PROPOSED REPEALS, ADOPTIONS AND NEW AMENDMENTS**

**ITEM 1. BSC proposes to bring forward existing California amendments in the Preface from the 2013 California Electrical Code for adoption into the 2016 edition of the California Electrical Code with additional amendments as follows:**

## Preface

This document is the 3rd of ~~12~~<sup>13</sup> ~~thirteen~~ Parts of the official triennial compilation and publication of the adoptions, amendments and repeal of administrative regulations to *California Code of Regulations, Title 24*, also referred to as the *California Building Standards Code*. This Part is known as the *California Electrical Code* and incorporates, by adoption, the ~~2014~~<sup>2015</sup> edition of the *National Electrical Code* of the National Fire Protection Association with the California amendments.

The *California Building Standards Code* is published in its entirety every ...

## Acknowledgements

The ~~2013~~<sup>2016</sup> California Building Standards Code (Code) was developed through the outstanding collaborative efforts of the Department of Housing and Community Development, the Division of the State Architect, the Office of the State Fire Marshal, the Office of Statewide Health Planning and Development, the California Energy Commission, the California Department of Public Health, the California State Lands Commission, the Board of State and Community Corrections, and the California Building Standards Commission (Commission).

This collaborative effort included the assistance of the Commission's Code Advisory Committees and many other volunteers who worked tirelessly to assist the Commission in the production of this Code.

Governor Edmund G. Brown Jr.

Members of the Building Standards Commission

Secretary ~~Anna Caballero~~ Marybel Batjer – Chair  
~~James Barthman~~ Steven Winkel – Vice-Chair

<del>Stephen Jensen</del> <u>Elley Klausbruckner</u>	<del>Rose Conroy</del> <u>Cheryl Roberts</u>
<del>Randy Twist</del> <u>Larry Booth</u>	<del>Sheila Lee</del> <u>David Malcolm Carson</u>
<del>Richard Sawhill</del>	<del>Richard Sierra</del>
Kent Sasaki	James Barthman
<u>Raj Patel</u>	Erick Mikiten
<u>Pedro Santillan</u>	

Jim McGowan – Executive Director  
Michael L. Nearman – Deputy Executive Director

...

### Notation:

Authority: Health and Safety Code §18934.5, 18949.6

References: Health and Safety Code §18934.5, 18949.6

**ITEM 2. BSC proposes to bring forward existing California amendments in Art. 89, Section 89.101 through 89.101.12 from the 2013 California Electrical Code for adoption into the 2016 edition of the California Electrical Code with additional amendments as follows:**

**CALIFORNIA ARTICLE 89  
GENERAL CODE PROVISIONS**

**Section 89.101 General**

**89.101.1 Title.** *These regulations shall be known as the California Electrical Code, may be cited as such and will be referred to herein as “this code.” The California Electrical Code is Part 3 of ~~twelve~~ thirteen parts of the official compilation and publication of the adoptions, amendment, and repeal of electrical regulations to the California Code of Regulations, Title 24, also referred to as the California Building Standards Code. This part incorporates by adoption the ~~2011~~ 2014 National Electrical Code of the National Fire Protection Association with necessary California amendments.*

**89.101.2 Purpose.** *The purpose of this code is to establish the minimum requirements to safeguard the public health, safety and general welfare through structural strength, means of egress facilities, stability, access to persons with disabilities, sanitation, adequate lighting and ventilation, and energy conservation; safety to life and property from fire and other hazards attributed to the built environment; and to provide safety to fire fighters and emergency responders during emergency operations.*

**89.101.3 Scope.** *The provisions of this code shall apply to the construction, alteration, movement, enlargement, replacement, repair, equipment, use and occupancy, location, maintenance, removal and demolition of every building or structure or any appurtenances connected or attached to such building or structures throughout the State of California.*

**89.101.3.1 Nonstate-Regulated Buildings, Structures, and Applications.** *Except as modified by local ordinance pursuant to Section 89.101.8, the building standards in the California Code of Regulations, Title 24, Parts 2, 2.5, 3, 4, 5, 6, 9, 10 and 11 shall apply to all occupancies and applications not regulated by a state agency.*

**89.101.3.2 State-Regulated Buildings, Structures, and Applications.** *The model code, state amendments to the model code, and/or state amendments where there are no relevant model code provisions; shall apply to the following buildings, structures, and applications regulated by state agencies as specified in Sections 89.102 through 89.114, except where modified by local ordinance pursuant to Section 89.101.8. When adopted by a state agency, the provisions of this code shall be enforced by the appropriate enforcing agency, but only to the extent of authority granted to such agency by the state legislature.*

**Note:** *See Preface to distinguish the model code provisions from the California provisions.*

1. *State-owned buildings, including buildings constructed by the Trustees of the California State University, and to the extent permitted by California laws, buildings designed and constructed by the Regents of the University of California, and regulated by the Building Standards Commission. See Section 89.102 for additional scope provisions.*

2. Section 89.103 is reserved for the Corrections Standards Authority Board of State and Community Corrections. See Section 89.103 for additional scope provisions.
3. Section 89.104 is reserved for the ~~Reserved for the~~ Department of Consumer Affairs. See Section 89.104 for additional scope provisions.
4. Section 89.105 is reserved for the ~~Reserved for the~~ California Energy Commission. See Section 89.105 for additional scope provisions.
5. Section 89.106 is reserved for the ~~Reserved for the~~ Department of Food and Agriculture. See Section 89.106 for additional scope provisions.
6. Organized camps, laboratory animal quarters, public swimming pools, radiation protection, commissaries serving mobile food preparation vehicles and wild animal quarantine facilities regulated by the California Department of Public Health (DPH). See Section 89.107 for additional scope provisions.
7. Hotels, motels, lodging houses, ~~apartment houses~~ apartments, dwellings, dormitories, condominiums, shelters for homeless persons, congregate residences, employee housing, factory-built housing, and other types of dwellings containing sleeping accommodations with or without common toilets or cooking facilities. See Section 89.108.2.1.1 for additional scope provisions.
8. Accommodations for persons with disabilities in buildings containing newly constructed covered multifamily dwellings, new common use spaces serving existing covered multifamily dwellings, additions to existing buildings where the addition alone meets the definition of "COVERED MULTIFAMILY DWELLINGS," and new common-use ~~spaces~~ areas serving new covered multifamily dwellings which are regulated by the Department of Housing and Community Development. See Section 89.108.2.1.2 for additional scope provisions.
9. Permanent buildings and permanent accessory buildings or structures constructed within mobilehome parks and special occupancy parks regulated by the Department of Housing and Community Development. See Section 89.108.2.1.3 for additional scope provisions.
10. Accommodations for persons with disabilities regulated by the Division of the State Architect. See Section 89.109.1 for additional scope provisions.
11. Public elementary and secondary schools, community college buildings, and state-owned or state-leased essential service buildings regulated by the Division of the State Architect. See Section 89.109.2 for additional scope provisions.
12. Qualified historical buildings and structures and their associated sites regulated by the State Historical Building Safety Board with the Division of the State Architect. See Section 89.109.3 for additional scope provisions.
13. General acute care hospitals, acute psychiatric hospitals, skilled nursing and/or intermediate care facilities, clinics licensed by the California Department of Public Health (DPH) and correctional treatment centers regulated by the Office of Statewide Health Planning and Development. See Section 89.110 for additional scope provisions.

14. Applications regulated by the Office of the State Fire Marshal include, but are not limited to, the following in accordance with Section 89.111:

1. Buildings or structures used or intended for use as an:
  - 1.1. Asylum, jail.
  - 1.2. Mental hospital, hospital, home for the elderly, children's nursery, children's home or institution, school or any similar occupancy of any capacity.
  - 1.3. Theater, dancehall, skating rink, auditorium, assembly hall, meeting hall, nightclub, fair building, or similar place of assemblage where 50 or more persons may gather together in a building, room or structure for the purpose of amusement, entertainment, instruction, deliberation, worship, drinking or dining, awaiting transportation, or education.
  - 1.4. Small family day care homes, large family day care homes, residential facilities and residential facilities for the elderly and residential care facilities.
  - 1.5. State institutions or other state-owned or state-occupied buildings.
  - 1.6. High rise structures.
  - 1.7. Motion picture production studios.
  - 1.8. Organized camps.
  - 1.9. Residential structures.
2. Tents, awnings or other fabric enclosures used in connection with any occupancy.
3. Fire alarm devices, equipment and systems in connection with any occupancy.
4. Hazardous materials, flammable and combustible liquids.
5. Public school automatic fire detection, alarm, and sprinkler systems.
6. Wildland-Urban Interface (WUI) fire areas.

15. Section 89.112 is reserved for the ~~Reserved for the State Librarian. See Section 89.112 for additional scope provisions.~~

16. Section 89.113 is reserved for the ~~Reserved for the Department of Water Resources. See Section 89.113 for additional scope provisions.~~

17. Section 89.114 is reserved for the ~~Reserved for the California State Lands Commission. See Section 89.114 for additional scope provisions.~~

**89.101.3.3 Exempted from this Code.** This code does not cover:

**(A)** 1. Installations in ships, watercraft other than floating dwelling units, railway rolling stock, aircraft, automotive vehicles, commercial coaches, mobilehomes, and recreational vehicles.

**(B)** 2. Installations underground in mines, mine shafts and tunnels.

**(C)** 3. Installations of railways for generation, transformation, transmission, or distribution of power used exclusively for operation of rolling stock or installations used exclusively for signaling and communication purposes

**(D)** 4. Installation of communication equipment under the exclusive control of communication utilities, located outdoors or in building spaces used exclusively for such installations.

**(E) 5.** *Installations under the exclusive control of electrical utilities for the purpose of communication, or metering; or for the generation, control, transformation, transmission, and distribution of electrical energy located in buildings used exclusively by utilities for such purposes or located outdoors on property owned or leased by the utility or on public highways, streets, roads, etc., or outdoors by established rights on private property.*

**Exception to (D)4 and (E)5:** *In places of employment, the following shall apply: installations of conductors, equipment and associated enclosures subject to the jurisdiction of the California Public Utilities Commission, that are owned, operated and maintained by an electric, communications or electric railway utility, but not including conduit, vaults, and other like enclosures containing conductors and equipment of such a utility when located indoors or on premises not used exclusively for utility purposes, but do not apply to the utility's conductors and equipment therein.*

**(F) 6.** *Installations on highways or bridges.*

**89.101.4 Annexes.** *Provisions contained in the annexes of this code shall not apply unless specifically adopted by a state agency or adopted by a local enforcing agency in compliance with Health and Safety Code Section 18901 et seq. for Building Standards Law, Health and Safety Code Section 17950 for State Housing Law and Health and Safety Code Section 13869.7 for Fire Protection Districts. See Section 89.101.8 of this code.*

**89.101.5 Referenced Codes.** *The codes, standards and publications adopted and set forth in this code, including other codes, standards and publications referred to therein are, by title and date of publication, hereby adopted as standard reference documents of this code. When this code does not specifically cover any subject related to building design and construction, recognized architectural or engineering practices shall be employed. The National Fire Codes, standards and the Fire Protection Handbook of the National Fire Protection Association are permitted to be used as authoritative guides in determining recognized fire prevention engineering practices.*

**89.101.6 Non-Building Standards, Orders and Regulations.** *Requirements contained in the National Electrical Code, or in any other referenced standard, code or document, which are not building standards as defined in Health and Safety Code Section 18909 shall not be construed as part of the provisions of this code. For nonbuilding standards, orders, and regulations, see other titles of the California Code of Regulations.*

**89.101.7 Order of Precedence and Use.**

**89.101.7.1 Differences.** *In the event of any differences between these building standards and the standard reference documents, the text of these building standards shall govern.*

**89.101.7.2 Specific Provisions.** *Where a specific provision varies from a general provision, the specific provisions shall apply.*

**89.101.7.3 Conflicts.** *When the requirements of this code conflict with the requirements of any other part of the California Building Standards Code, Title 24, the most restrictive requirements shall prevail.*

**Exception:** *Detached one-and two-family dwellings, efficiency dwelling units, lodging houses, live/work units, townhouses not more than three stories above grade plane with a separate means*

of egress, and their accessory structures, shall not be required to comply with the California Residential Code if constructed in accordance with the California Building Code.

**89.101.8 City, County, or City and County Amendments, Additions or Deletions.**

The provisions of this code do not limit the authority of city, county, or city and county governments to establish more restrictive and reasonably necessary differences to the provisions contained in this code pursuant to complying with Section 89.101.8.1. The effective date of amendments, additions, or deletions to this code by city, county or city and county filed pursuant to Section 89.101.8.1 shall be the date filed. However, in no case shall the amendments, additions or deletions to this code be effective any sooner than the effective date of this code.

Local modifications shall comply with Health and Safety Code Section 18941.5 for Building Standards Law, Health and Safety Code Section 17958 for State Housing Law or Health and Safety Code Section 13869.7 for Fire Protection Districts.

**89.101.8.1 Findings and Filings.**

1. The city, county, or city and county shall make express findings for each amendment, addition or deletion based upon climatic, topographical, or geological conditions.

**Exception:** Hazardous building ordinances and programs mitigating unreinforced masonry buildings.

2. The city, county, or city and county shall file the amendments, additions, or deletions expressly marked and identified as to the applicable findings. Cities, counties, cities and counties, and fire departments shall file the amendments, additions or deletions, and the findings with the California Building Standards Commission at 2525 Natomas Park Drive, Suite 130, Sacramento, CA 95833.

3. Findings prepared by fire protection districts shall be ratified by the local city, county, or city and county and filed with the California Department of Housing and Community Development, Division of Codes and Standards, P.O. Box 1407, Sacramento, CA 95812-1407 or at ~~4800 3rd Street, Room 260, Sacramento, CA 95814~~ 2020 W. El Camino Avenue, Suite 250, Sacramento, CA 95833-1829.

**89.101.8.2 Locally adopted energy standards – California Energy Code, Part 6.**

In addition to the provisions of Section 89.101.8.1 of this Part, the provisions of this section applies to cities, counties, and city and county amending adopted energy standards affecting buildings and structures subject to the California Energy Code, Part 6.

Applicable provisions of Public Resources Code Section 25402.1 and applicable provisions of Chapter 10 of the California Administrative Code, Part 1 apply to local amendment of energy standards adopted by the California Energy Commission.

**89.101.9 Effective Date of this Code.** Only those standards approved by the California Building Standards Commission that are effective at the time an application for building permit is submitted shall apply to the plans and specifications for, and to the construction performed under, that permit. For the effective dates of the provisions contained in this code, see the History Note page of this code.

**89.101.10 Availability of Codes.** At least one complete copy each of Titles 8, 19, 20, 24, and 25 with all revisions shall be maintained in the office of the building official responsible for the administration and enforcement of this code. Each state department concerned and each city, county or city and county shall

have an up-to-date copy of the code available for public inspection. See Health and Safety Code Section 18942 ~~(d)~~(e)(1) and (2).

**89.101.11 Format.** This part fundamentally adopts the International Building Code by reference on a chapter-by-chapter basis. When a specific chapter of the International Building Code is not printed in the code and is marked “Reserved”, such chapter of the International Building Code is not adopted as a portion of this code. When a specific chapter of the International Building Code is marked “Not adopted by the State of California” but appears in the code, it may be available for adoption by local ordinance.

**Note:** Matrix Adoption Tables at the front of each chapter may aid the code user in determining which chapter or sections within a chapter are applicable to buildings under the authority of a specific state agency, but they are not to be considered regulatory.

**89.101.12 Validity.** If any chapter, article, section, subsection, sentence, clause or phrase of this code is for any reason held to be unconstitutional, contrary to statute, exceeding the authority of the state as stipulated by statutes, or otherwise inoperative, such decision shall not affect the validity of the remaining portion of this code

**ITEM 3. BSC proposes to bring forward existing California amendments in Section 89.102 from the 2013 California Electrical Code for adoption into the 2016 edition of the California Electrical Code with additional amendments as follows:**

**SECTION 89.102  
BUILDING STANDARDS COMMISSION**

**89.102.1 BSC** Specific scope of application of the agency responsible for enforcement, the enforcement agency, and the specific authority to adopt and enforce such provisions of this code, unless otherwise stated.

**1. State Buildings for all occupancies.**

**Application** – State buildings (all occupancies), including buildings constructed by the Trustees of the California State University and the Regents of the University of California where no state agency has the authority to adopt building standards applicable to such buildings.

**Enforcing Agency** – State or local agency specified by the applicable provisions of law.

**Authority Cited** – Health and Safety Code section 18934.5.

**Reference** – Health and Safety Code, Division 13, Part 2.5, commencing with section 18901.

**2. University of California, California State Universities, and California Community Colleges.**

**Application** – Standards for lighting for parking lots and primary campus walkways at the University of California, California State Universities, and California Community Colleges.

**Enforcing Agency** – State or local agency specified by the applicable provisions of law.

**Authority Cited** – Government Code section 14617.

**Reference** – Government Code section 14617.

**3. Existing State-Owned Buildings, including those owned by the University of California**

**and by the California State University**– Building seismic retrofit standards including abating falling hazards of structural and nonstructural components and strengthening of building structures. See also Division of the State Architect.

**Enforcing Agency** – State or local agency specified by the applicable provisions of law.

**Authority Cited** – Government Code section 16600

**Reference** – Government Code sections 16600 through 16604

#### **4. Unreinforced Masonry Bearing Wall Buildings.**

**Application** – Minimum seismic strengthening standards for buildings specified in Appendix Chapter 1A of the California Existing Building Code, except for buildings subject to building standards adopted pursuant to Part 1.5 (commencing with Section 17910)

**Enforcing Agency** – State or local agency specified by the applicable provisions of law.

**Authority Cited** – Health and Safety Code section 18934.67

**Reference** – Health and Safety Code sections ~~18901 through 18949~~, Division 13, Part 2.5, commencing with Section 18901.

**89.102.1.1 State building.** *For purposes of this code, a “state building” is a structure for which a state agency or state entity has authority to construct, alter, enlarge, replace, repair or demolish.*

**89.102.1.2 Enforcement.** *[CSU, UC, Judicial Council and CDCR] state agencies or state entities authorized to construct state buildings may appoint a building official who is responsible to the agency for enforcement of the provisions of the California Building Standards Code.*

**Exception:** *State buildings regulated by other sections of this code remain the enforcement responsibility of the designated entities.*

#### **89.102.1.3 Enforcement, Reserved for DGS.**

**89.102.1.4 Adopting agency identification.** *The provisions of this code applicable to buildings identified in this section will be identified in the Matrix Adoption Tables under the acronym **BSC**.*

**89.102.2 BSC-CG.** *Specific scope of application of the agency responsible for enforcement, the enforcement agency, and the specific authority to adopt and enforce such provisions of this code, unless otherwise stated.*

**Application** – *All occupancies where no other state agency has the authority to adopt green building standards applicable to those occupancies.*

**Enforcing agency** – *State or local agency specified by the applicable provisions of law.*

**Authority cited** – *Health and Safety Code Sections 18930.5, 18938 and 18940.5.*

**Reference** – *Health and Safety Code, Division 13, Part 2.5, commencing with Section 18901.*

#### **89.102.23 Alternative Materials, Design and Methods of Construction and Equipment.**

*The provisions of this code are not intended to prevent the installation of any material or to prohibit any design or method of construction not specifically prescribed by this code, provided that any such alternative has been approved. An alternative material, design or method of construction shall be approved where the building official finds that the proposed design is satisfactory and complies with the intent of the provisions of this code, and that the material, method or work offered is, for the purpose intended, at least the equivalent of that prescribed in this code in quality, strength, effectiveness, fire resistance, durability and safety.*

**89.102.23.1 Research reports.** *Supporting data, where necessary to assist in the approval of materials or assemblies not specifically provided for in this code, shall consist of valid research reports from approved sources*

**89.102.23.2 Tests.** *Whenever there is insufficient evidence of compliance with the provisions of this code, or evidence that a material or method does not conform to the requirements of this code, or in order to substantiate claims for alternative materials or methods, the building official shall have the authority to require tests as evidence of compliance to be made at no expense to the jurisdiction. Test methods shall be as specified in this code or by other recognized test standards. In the absence of recognized and accepted test methods, the building official shall approve the testing procedures.*

*Tests shall be performed by an approved agency. Reports of such tests shall be retained by the building official for the period required for retention of public records.*

**ITEM 4. BSC proposes to bring forward existing California amendments in Section 89.103 through 89.114 from the 2013 California Electrical Code for adoption into the 2016 edition of the California Electrical Code with additional amendments as follows:**

**SECTION 89.103**

**~~RESERVED FOR CORRECTIONS STANDARDS AUTHORITY~~ BOARD OF STATE AND COMMUNITY  
CORRECTIONS**

**SECTION 89.104**

**RESERVED FOR THE DEPARTMENT OF CONSUMER AFFAIRS**

**SECTION 89.105**

**RESERVED FOR THE CALIFORNIA ENERGY COMMISSION**

**SECTION 89.106**

**RESERVED FOR THE DEPARTMENT OF FOOD AND AGRICULTURE**

**SECTION 89.107**

**CALIFORNIA DEPARTMENT OF PUBLIC HEALTH**

**89.107** *Specific scope of application of the agency responsible for enforcement, the enforcement agency, and the specific authority to adopt and enforce such provisions of this code, unless otherwise stated.*

**Application** – *Commissaries serving mobile food preparation units and public swimming pools.*

**Enforcing Agency** – *The California Department of Public Health and the local health agency.*

**Authority Cited** – *Health and Safety Code sections 114304, 116050, and 131200.*

**Reference** – *Health and Safety Code sections 114304, 116050, 116053, and 131200.*

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Notation

Authority: Health & Safety Code Sections 18928 and 18934.5

Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5

**ITEM 5. BSC proposes to Adopt NEC ARTICLE 90, without amendments**

**ARTICLE 90 - Introduction**

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Notation

Authority: Health & Safety Code Sections 18928 and 18934.5

Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5

**ITEM 6. BSC proposes the adoption of CHAPTER 1, ARTICLES 100 and 110 from the 2014 National Electrical Code with existing California amendments into the 2016 edition of the California Electrical Code:**

**CHAPTER 1 GENERAL  
ARTICLE 100 Definitions**

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***Ballasted Solar Photovoltaic System [BSC]*** A roof mounted system composed of solar photovoltaic panels and supporting members that are unattached or partially attached to the roof and must rely on their weight, aerodynamics and friction to counter the effect of wind and seismic forces.

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Notation

Authority: Health & Safety Code Sections 18928 and 18934.5

Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5

**CHAPTER 1 GENERAL  
ARTICLE 110 Requirements for Electrical Installations**

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**SECTION 110.13 Mounting and Cooling of Equipment**

**(A) Mounting.** Electrical equipment shall be firmly secured to the surface on which it is mounted. Wooded plugs driven into holes in masonry, concrete, plaster, or similar materials shall not be used.

***Exception: [BSC]*** Roof mounted ballasted solar photovoltaic systems provided that the wiring and interconnections are designed to accommodate for maximum system displacement.

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Notation

Authority: Health & Safety Code Sections 18928 and 18934.5

Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5

**ITEM 7. BSC proposes the adoption of Chapters 2 through 4 (All Articles) from the 2014 National Electrical Code:**

**CHAPTER 2 - Wiring Protection, CHAPTER 3 – Wiring Methods and Materials and CHAPTER 4 – Equipment for General Use**

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Notation

Authority: Health & Safety Code Sections 18928 and 18934.5

Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5

**ITEM 8. BSC proposes to adopt Chapter 5- Special Occupancies- but not to adopt ARTICLES 517- (*Health Care Facilities*) or 550- (*Mobile Homes*)**

**CHAPTER 5  
Special Occupancies**

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Notation

Authority: Health & Safety Code Sections 18928 and 18934.5

Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5

**ITEM 9. BSC proposes to adopt Chapter 6 of the 2014 NEC and to add a new amendment for BSC to Art. 625.**

**CHAPTER 6  
Special Equipment**

**ARTICLES 625  
Electric Vehicle Charging Equipment**

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**625.1.1 [BSC-CG] Electric Vehicle (EV) Charging for New Construction. In addition to requirements in this Article, electric vehicle charging shall comply with the California Green Building Standards Code (CALGreen) Chapter 5, Division 5.1.**

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**625.13 [BSC] Electric Vehicle Supply Equipment Connection.** ~~Electric vehicle supply equipment shall be permitted to be cord- and plug-connected to the premises wiring system in accordance with one of the following:~~

~~(A) — **Connections to 125-Volt, Single-Phase, 15- and 20-Ampere Receptacle Outlets.** Electrical vehicle supply equipment intended for connection to nonlocking, 2-pole, 3-wire grounding-type receptacle outlets rated at 125 V, single phase, 15 and 20 amperes or from a supply of less than 50 volts dc.~~

~~(B) — **Connections to Other Receptacle Outlets.** Electric vehicle supply equipment that is rated 250 V maximum and complying with all of the following:~~

~~(1) It is intended for connection to nonlocking, 2-pole, 3-wire and 3-pole, 4-wire, grounding-type receptacle outlets rated not more than 50 amperes.~~

~~— (2) EVSE is fastened in place to facilitate any of the following:~~

~~— a. — Ready removal for interchange~~

~~— b. — Facilitation of maintenance and repair~~

~~— c. — Repositioning of portable, movable, or EVSE fastened in place~~

~~— (3) Power supply cord length for electric vehicle supply equipment fastened in place is limited to 1.8 m (6 ft).~~

~~— (4) Receptacles are located to avoid physical damage to the flexible cord.~~

~~All other electric vehicle supply equipment shall be permanently wired and fastened in place to the supporting surface, a wall, a pole, or other structure. The electric vehicle supply equipment shall have no exposed live parts.~~

...

**625.14 Rating. [BSC]** Electric vehicle supply equipment shall have sufficient rating to supply the load served. ~~Electric vehicle charging loads shall be considered continuous loads for the purposes of this article. Where an automatic load management system is used, the maximum electric vehicle supply equipment load on a service and feeder shall be the maximum load permitted by the automatic load management system.~~

#### Notation

Authority: Health & Safety Code Sections 18928 and 18934.5

Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5

**ITEM 10. BSC proposes the adoption of Chapters 7 through 9 (All Articles) from the 2014 National Electrical Code without amendment:**

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Notation

Authority: Health & Safety Code Sections 18928 and 18934.5

Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5

**ITEM 11. BSC proposes not to adopt the Annexes from the 2014 National Electrical Code:**

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Notation

Authority: Health & Safety Code Sections 18928 and 18934.5

Reference(s): Health & Safety Code Sections 18928, 18928.1 and 18934.5