

**FINAL EXPRESS TERMS
FOR
PROPOSED BUILDING STANDARDS
OF THE
OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT

REGARDING PROPOSED CHANGES TO
CALIFORNIA ELECTRICAL CODE
CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 3**

LEGEND FOR FINAL EXPRESS TERMS (combination of 45-day and 15-day changes)

1. For 45-day and 15-Day changes, existing California amendments or code language being modified appears in *italics*, with modified language underlined.
2. For 45-day and 15-Day changes, repealed text appears in ~~strikeout~~.

EXPRESS TERMS

CHAPTER 5 SPECIAL OCCUPANCIES

517.18 General Care Areas.

(A) Patient Bed Location. ...

(B) Patient Bed Location Receptacles. ...

Exception No. 4: [OSHPD 1] Psychiatric patient bedrooms shall not be required to have receptacle outlets installed in the room. If installed, the receptacles shall be tamper-resistant, controlled by a switch outside the room that is under the control of staff, and shall be protected by a ground-fault circuit interrupter.

...

517.22 [OSHPD 1, 2, 3 & 4] Artificial Lighting.

(A) ...

(D) Special Locations.

(1) *The general illumination fixtures in nurseries ...*

(2) *Lighting in intensive care nurseries ...*

(3) *Individual bed area lighting in intensive care and coronary care units ...*

(4) Where a psychiatric care area is identified in the Patient Safety Risk Assessment as high- or medium-risk, lighting shall be tamper-resistant.

(5) Acute psychiatric patient bedrooms shall have general lighting and night lighting with at least one nightlight fixture in each bedroom that shall be controlled at the room entrance.

(6) Corridors in psychiatric nursing units shall have general illumination with provisions for reducing light levels at night.

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517.30 Essential Electrical Systems for Hospitals.

(A) Applicability. ...

(B) General. ...

~~(5) [OSHPD 1, 2 (facilities complying with Article 517.40(B)), 3 (surgical clinics), & 4] All automatic transfer switches in general acute care hospitals, skilled nursing facilities complying with Article 517.40(B), and correctional treatment centers providing optional services shall be provided with an in-phase monitor relay and shall have provisions for electrically by-passing and isolating the transfer switch. The by-pass switch shall be capable of by-passing loads to the emergency source or normal source if the selected by-pass source voltage is available. Transfer switches rated over 150 volts to ground and equal to or greater than 1000 amps shall not be located in the same room with normal service equipment.~~

...

517.33 Critical Branch.

(A) Task Illumination and selected receptacles. ...

(8) Task illumination, selected receptacles, and selected power circuits for the following:

- a. General care beds (at least one duplex receptacle in each patient bedroom)
~~a.1. [OSHPD 1, 2, 3, & 4] General care beds~~
- b. Angiographic labs
...
- i. Postoperative recovery rooms (selected) ~~[Subsections j through n OSHPD 1]~~
[Subsections j through n OSHPD 1]
- j. Lithotripsy treatment room
...

517.34 Equipment Branch Connection to Alternate Power Source. The equipment branch shall be installed and connected. ...

(A) Equipment for Delayed Automatic Connection. The following equipment shall be permitted to be arranged for delayed automatic connection to the alternate power source:

(1) Central suction systems ...

(10) Where provided, UPS systems serving telephone, data, technology and telecommunications equipment rooms and closets.

Exception: Sequential delayed automatic connection to the alternate power source to prevent overloading the generator shall be permitted where engineering studies indicate it is necessary.

(B) Equipment for Delayed Automatic or Manual Connection. ...

517.124 [OSHPD 1 & 4] Technology and Telecommunications Rooms. *Where technology or telecommunications rooms are provided in accordance with Section 1224.5 of the California Building Code, the following requirements shall apply:*

(A) General. *Electrical equipment that is not directly related to the support of the room shall not be installed in or pass through the room. Non-lighting circuits serving each room shall be dedicated to that room.*

(B) Grounding.

(1) Grounding, bonding, and electrical protection shall meet the requirements Article 250 and the latest version of ANSI/TIA 607: Generic Telecommunications Bonding and Commercial Building Grounding (Earthing) for Customer Premises.

(2) Grounding bus bars shall be provided to meet the following requirements:

- a. The ground bus bar shall be drilled with holes according to NEMA standards to accommodate bolted compression fittings.
- b. All racks, cabinets, sections of cable tray, and metal components of the technology system that do not carry electrical current shall be grounded to the grounding bus bar.
- c. Grounding bus bars shall be connected by a backbone of insulated #6 to 3/0 AWG copper cable between all technology rooms.
- d. Bonding conductors shall be colored green or be labeled appropriately.
- e. The grounding bars shall be connected to the telecommunications main grounding bus bar in the telecommunications service entrance room. The main grounding bar shall be bonded to the building main electrical service ground, in accordance with Article 250.94.

CHAPTER 7 SPECIAL CONDITIONS

700.3 Tests and Maintenance.

(A) Conduct or Witness Test. The authority having jurisdiction shall conduct or witness a test of the complete system upon installation and periodically afterward.

[OSHPD 1, 2, 3 & 4] Permanently installed on-site generator sets of health care facilities shall be tested in accordance with NFPA 110, Standard for Emergency and Standby Power Systems, Section 7.13, Installation Acceptance. All safety devices shall be tested as specified in Section 7.13.4.5; however, the safety devices provided may comply with NFPA 99, Health Facilities, Section 6.4.1.1.17 in lieu of NFPA 110, Section 5.6.5.2. The emergency power supply system shall be considered as a Level 1 system for testing purposes. Upon loss of normal power, the emergency power supply system shall provide emergency power within 10 seconds as required by 700.12.

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NOTATION:

Authority: Health and Safety Code Sections 1226, 1275, 18928, 129790 and 129850; Government Code Section 11152.5
Reference: Health and Safety Code Section 129850