# INITIAL EXPRESS TERMS FOR PROPOSED BUILDING STANDARDS OF THE OFFICE OF STATEWIDE HEALTH PLANNING AND DEVELOPMENT REGARDING THE 2022 CALIFORNIA ELECTRICAL CODE CALIFORNIA CODE OF REGULATIONS, TITLE 24, PART 3 (OSHPD 04/22)

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 (Government Code Section 11346.2(a)(1)).

If using assistive technology, please adjust your settings to recognize underline, strikeout, italic and ellipsis.

## LEGEND for EXPRESS TERMS (Based on model codes - Parts 2, 2.5, 3, 4, 5, 9, 10)

* Model Code language appears upright
* Existing California amendments appear in *italic*
* Amended model code or new California amendments appear *underlined & italic*
* Repealed model code language appears ~~upright and in strikeout~~
* Repealed California amendments appear in *~~italic and strikeout~~*
* Ellipses (...) indicate existing text remains unchanged

## INITIAL EXPRESS TERMS

### ITEM 1 Chapter 2 Wiring and Protection ARTICLE 220 Branch-Circuit, Feeder, and Service Load Calculations

#### Part I. General

**220.1 Scope.** This article provides requirements for calculating branch-circuit, feeder, and service loads. Part I provides general requirements for calculation methods. Part II provides calculation methods for branch-circuit loads. Parts III and IV provide calculation methods for feeder and service loads. Part V provides calculation methods for farm loads. *Part VI provides calculation methods for health care facilities.*

...

#### Part III. Feeder and Service Load Calculations

**220.40 General.** The calculated load of a feeder or service shall not be less than the sum of the loads on the branch circuits supplied, as determined by Part II of this article, after any applicable demand factors permitted by Part III, IV *or Part VI* or required by Part V have been applied.

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#### *Part VI. Health Care Facilities*

***220.110 Receptacle Loads***

*Receptacle loads calculated in accordance with 220.14(H) and (I) and supplied by branch circuits not exceeding 150 volts to ground shall be permitted to be subjected to the demand factors provided in* ***Table 220.110(1)*** *and* ***Table 220.110(2)*** *for Health Care facilities.*

*Information Note No. 1: See Article 517 for the definitions of patient care space categories.*

*Informational Note No 2: See 220.14(l)for the calculation of receptacle outlet loads.*

***Table 220.110(1) Demand Factors for Receptacles Supplied by General-Purpose Branch Circuits   
in Category 1 and Category 2 Patient Care Spaces***

| ***Portion of Receptacle Load to Which Demand Factor Applies (Volt-Amperes)*** | ***Demand Factor (%)*** |
| --- | --- |
| *First 5000 or less* | *100* |
| *From 5001 to 10,000* | *50* |
| *Remainder over 10,000* | *25* |

***Table 220.110(2) Demand Factors for Receptacles Supplied by General-Purpose Branch Circuits   
in Category 3 and Category 4 Patient Care Spaces***

| ***Portion of Receptacle Load to Which Demand Factor Applies (Volt-Amperes)*** | ***Demand Factor (%)*** |
| --- | --- |
| *First 10,000 or less* | *100* |
| *Remainder over 10,000* | *50* |

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 2 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

#### Part I. General

**517.1 Scope.** The article applies to electrical construction and installation criteria in health care facilities that provide services to human beings.

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***(A) OSHPD 1R.*** *For OSHPD 1R, refer to Section 312 of California Existing Building Code for general requirements.*

***(B) OSHPD 2.*** *In addition to the essential power requirements included in this section, Skilled Nursing Facilities shall have an alternate source of power generated or stored onsite to supply power, during a power outage (caused by public safety power shutoff, an emergency, a natural disaster, or other cause) to feed:*

*(1) Mechanical equipment required to maintain safe temperatures for residents (CMC 325).*

*(2) Life-saving equipment*

*(3) Oxygen-generating devices*

*The alternate source of power for these loads can be any one or any combination of the following:*

* *An Essential Electrical System in compliance with CEC 517.*
* *A Legally Required Standby System in compliance with CEC 701.*
* *A Health Care Microgrid in compliance with CEC 705.*

*Based on the solution chosen the following will apply:*

*(1) Generators used as an alternate power source for the loads identified above in 517.1(B)(1), (B)(2) and (B)(3) shall have sufficient fuel onsite to sustain generator operation for no less than 96 hours or have 6 hours minimum of fuel stored onsite with contract arrangements in place to ensure fuel delivery to meet the 96-hour requirement.*

*(2) Batteries and/or renewable electrical generation systems shall be of suitable rating and capacity to supply and maintain the full demand load for 96 hours (6 hours of run time to support loads identified, provided by onsite resources, with contract provisions in place to meet the 96-hour requirement shall be acceptable) and shall be designed with permanent switching means for a temporary generator of sufficient size to carry loads identified above in 517.1(B)(1), (B)(2) and (B)(3). Connection to the temporary generator shall not require modification to the permanent system wiring.*

*All Generators, batteries and alternate power sources including distribution equipment and controls provided to supply loads identified in 517.1(B)(1), (B)(2) and (B)(3) shall have special seismic certification as defined in the CBC, Section 1705.14.3.1.*

***~~(B)~~(C) Electrical Equipment Schedules [OSHPD 1, 2, 4~~,~~ & 5].*** *Electrical equipment schedules in the construction documents shall clearly indicate which equipment will be powered by the essential electrical system or appropriate special seismic certifications.*

#### Notation:

Authority: Health and Safety Code, Sections 1275, 1418.22, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 3 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

#### Part I. General

**517.2 Definitions.** The definitions in this section shall apply only within this article.

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**Health Care Facility’s Governing Body.** ...

***Health Care Microgrid.*** *A group of interconnected loads and distributed energy resources within clearly defined boundaries that acts as a single controllable entity with respect to the utility for a health care facility.*

***Health Care Microgrid Control System.*** *A system including health care microgrid controller functions that can manage itself, operate autonomously, and connect to and disconnect from the utility for the exchange of power and the supply of ancillary services at a health care facility.*

**Hospital.** ...

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 1418.22, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 4 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

#### Part I. General

**517.2 Definitions.** The definitions in this section shall apply only within this article.

**Life Safety Branch.** A system of feeders and branch circuits …

***Life-Saving Equipment.*** *Equipment required to either save or sustain the life of occupant(s) of a healthcare facility. Life-Saving equipment may include but shall not be limited to, ventilators, AEDs, crash carts with defibrillators, intravenous therapy equipment, feeding pumps, IV pumps, nebulizer machines, suction equipment, and medication dispensing machines.*

**Limited Care Facility.** A building or portion thereof used on ...

...

**Nursing Home.** A building or portion of a building used on a 24-hour basis ...

***Oxygen-Generating Devices.*** *Devices used to extract or make concentrated oxygen rich blends of air for human use. Oxygen-Generating Devices may include but shall not be limited to concentrators and positive pressure apparatus.*

**Patient Bed Location.** The location of a patient sleeping bed, or the bed ...

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 5 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

#### Part II. Wiring and Protection

**517.13** **Equipment Grounding Conductor for Receptacles and Fixed Electrical Equipment in Patient Care Spaces.** Wiring in patient care spaces shall comply with 517.13(A) and (B).

***(C) Grounding System Testing. [OSHPD 1, 2, 4 & 5]*** *The effectiveness of the grounding systems in patient care spaces shall be tested in accordance with 2021 NFPA 99:6.3.3.1.*

***(D)* Receptacle Testing in Patient Care Spaces. *[OSHPD 1, 2, 4 & 5****] Receptacles in patient care spaces shall be tested in accordance with 2021 NFPA 99:6.3.3.2.*

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 6 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part II. Wiring and Protection**

**517.18 Category 2 (General Care) Spaces.**

...

**(B) Patient Bed Location Receptacles.** ...

...

**(2) Receptacle Requirements.** ...

...

*Exception No. 3: [OSHPD 1, 2, 4 & 5] The requirements of 517.18(A) and 517.18(B) shall not apply to patient bed locations in skilled nursing facilities and intermediate care facilities. Additionally, ~~H~~hospital grade receptacles shall not be required in patient sleeping areas in ~~nursing homes~~ skilled nursing facilities and intermediate care facilities.*

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 7 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part II. Wiring and Protection**

**517.20 Wet Procedure Locations.** *Operating rooms shall be considered to be a wet procedure location unless a risk assessment conducted by the health care governing body determines otherwise. [****99****:6.3.2.3.4]*

**(A)** **Receptacles and Fixed Equipment.** …

...

(2) Power distribution system in which the power supply is interrupted if the ground-fault current does, in fact, exceed the trip value of a Class A GFCI. [**99:**6.3.2.3.2].

*Where GFCI protection is used in an operating room, one of the following shall apply:*

*(1) Each receptacle shall be an individual GFCI device.*

*(2) Each receptacle shall be individually protected by a single GFCI device. [****99****:6.3.2.3.9]*

Exception: Branch circuits supplying only listed, fixed therapeutic ...

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 8 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part III. Essential Electrical System (EES)**

**517.30 Sources of Power.**

**(A) Two Independent Power Sources.** Essential electrical systems shall have a minimum of the following two independent sources of power: a normal source generally supplying the entire electrical system and one or more alternate sources for use when the normal source is interrupted. [**99:**6.7.1.2.2]

**(B) Types of Power Sources.**

***(B.1) [OSHPD 1, 3, 4 & 5] Power Sources for the EES.*** *Power sources for the EES shall be permitted to be any of those specified in 517.30(B)(1) through 517.30(B)(4). One on-site power source (or set of sources) that is sized to supply the entire EES shall meet the on-premises fuel or battery stored energy requirements specified in Article 700.12.*

**(1) Generating Units.** Where the normal source consists of generating units on the premises, the alternate source shall be either another generating set or an external utility service. [**99**:6.7.1.2.3]

***~~(1.1) [OSHPD 1, 3, 4 and 5] Generating Units.~~*** *~~The alternate source of power shall be at least one of the following:~~*

***~~(A)~~*** *~~Generator(s) driven by some form of prime mover(s) and located on the premises.~~*

***~~(B)~~*** *~~Another generating unit(s) where the normal source consists of a generating unit(s) located on the premises.~~*

***~~(C)~~*** *~~As provided in paragraph (B)(2) below.~~*

***~~(D)~~*** *~~As provided in paragraph (B)(3) below.~~*

*~~All on-premises sources of power shall meet the on-premises fuel or battery stored energy requirements specified in Article 700.12.~~*

*[~~OSHPD 1, 2, & 5]: For facilities subject to Centers for Medicare and Medicaid Services (CMS) regulations, see 42 CFR 482.15(e) and 42 CFR 483.73(e) for emergency generator requirements.~~*

**(2) Fuel Cell Systems.** Fuel cell systems shall be permitted to serve as the alternate source for all or part of an essential electrical system, provided the following conditions apply: [**99:**6.7.1.4]

(1) Installation of fuel cells shall comply with the requirements in Parts I through VII of Article 692 for 1000 volts or less and Part VIII for over 1000 volts.

Informational Note: For information on installation of stationary fuel cells, see NFPA 853-2015, *Standard for the Installation of Stationary Fuel Cell Power Systems*.

(2) N + 1 units shall be provided where N units have sufficient capacity to supply the demand load of the portion of the system served. [**99:**6.7.1.4.2]

(3) Systems shall be able to assume loads within 10 seconds of loss of normal power source. [**99:**6.7.1.4.3]

(4) Systems shall have a continuing source of fuel supply, together with sufficient on-site fuel storage for the essential system type. [**99:**6.7.1.4.4]

(5) Where life safety and critical portions of the distribution system are present, a connection shall be provided for a portable diesel generator. [**99:**6.7.1.4.5]

**(3) Battery Systems.** Battery systems shall be permitted to serve as the alternate source for all or part of an essential electrical system. *[OSHPD 1, 3, 4 and 5] Where life safety and critical portions of the distribution system are present, a connection shall be provided for a portable diesel generator.*

Informational Note: For information on installation of battery systems, see NFPA 111-2019, *Standard on Stored Electrical Energy Emergency and Standby Power Systems*.

***(******4) Health Care Microgrid.*** *EES shall be permitted to be supplied by a Health Care Microgrid that also supplies nonessential loads. The EES Health Care Microgrid shall be permitted to share distributed resources with the normal source. EES Health Care Microgrid systems shall be designed with sufficient reliability to provide effective facility operation consistent with the facility emergency operations plan. EES Health Care Microgrid system components shall not be compromised by failure of the normal source. EES Health Care Microgrids shall meet the installation and commissioning requirements set forth in NFPA 99-2021 Article 6.10.*

*All on-premises sources of power shall meet the on-premises fuel or battery stored energy requirements specified in Article 700.12.*

*[OSHPD 1, 3, 4 & 5]: For facilities subject to Centers for Medicare and Medicaid Services (CMS) regulations, see 42 CFR 482.15(e) and 42 CFR 483.73(e) for emergency power requirements.*

**(C) Location of Essential Electrical System Components.** ...

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 9 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part III. Essential Electrical System (EES)**

**517.31 Requirements for the Essential Electrical System.** …

...

**(E) Receptacle *~~[OSHPD 1, 2, 3, 4 & 5] and Switch~~* Identification*.******[OSHPD 1, 2, 3, 4 & 5]***The cover plates for the electrical receptacles *~~[For OSHPD 1, 2, 3, 4 & 5] and light switches~~ or the electrical receptacles ~~and light switches~~* supplied from the life safety and critical branches shall have a distinctive color or marking so as to be readily identifiable. *[****99:****6.7.2.3.5(B)] Provide either red device, red cover plate or metal cover plate with engraved text and red paint fill.*

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 10 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part III. Essential Electrical System (EES)**

**517.35 Equipment Branch Connection to Alternate Power Source.** ...

The arrangement of the connection to the alternate power source shall also provide for the subsequent connection of equipment described in 517.35(B). [**99**:6.7.5.1.4.2(B)]

**(B) Equipment for Delayed Automatic or Manual Connection.** The following equipment shall be permitted to be arranged for either delayed automatic or manual connection to the alternate power source:

…

(6)Minimal ~~electrically heated~~ autoclaving equipment *(at least one per building)*.~~shall be permitted to be arranged for either automatic or manual connection to the alternate source~~.

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 11 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part III. Essential Electrical System (EES)**

**517.41 Required Power Sources.**

**(A) Two Independent Power Sources.** Essential electrical systems shall have a minimum of the following two independent sources of power: a normal source generally supplying the entire electrical system and one or more alternate sources for use when the normal source is interrupted. [**99:**6.7.1.2.2]

**(B) Types of Power Sources.** Where the normal source consists of generating units on the premises, the alternate source shall be either another generating set or an external utility service. [**99:**6.7.1.2.3]

***~~(B.1) [OSHPD 2 & 4] Alternate Source of Power.~~*** *~~The alternate source of power shall be a generator(s) driven by some form of prime mover(s) and located on the premises.~~*

***(B.1) [OSHPD 2, 4 & 5] Power Sources for the EES.***

*Power sources for the EES shall be permitted to be any of those specific in 517.41(B)(1) through (B)(4). One on-site power source (or set of sources) that is sized to supply the entire EES shall meet the on-premises fuel or battery stored energy requirements specified in Article 700.12.*

***(1) Generating Units.***

***(2) Fuel Cell Systems.*** *Fuel cell systems shall be permitted to serve as the alternate source for all or part of an essential electrical system, provided the following conditions apply:* *[****99:****6.7.1.4]*

*(1) Installation of fuel cells shall comply with the requirements in Parts I through VII of Article 692 for 1000 volts or less and Part VIII for over 1000 volts.*

*Informational Note: For information on installation of stationary fuel cells, see NFPA 853-2015, Standard for the Installation of Stationary Fuel Cell Power Systems.*

*(2) N + 1 units shall be provided where N units have sufficient capacity to supply the demand load of the portion of the system served.* *[****99:****6.7.1.4.2]*

*(3) Systems shall be able to assume loads within 10 seconds of loss of normal power source.* *[****99:****6.7.1.4.3]*

*(4) Systems shall have a continuing source of fuel supply, together with sufficient on-site fuel storage for the essential system type.* *[****99:****6.7.1.4.4]*

*(5) Where life safety and critical portions of the distribution system are present, a connection shall be provided for a portable diesel generator. [****99:****6.7.1.4.5]*

***(3) Battery Systems.*** *Battery systems shall be permitted to serve as the alternate source for all or part of an essential electrical system. [OSHPD 2, 4 & 5] Where life safety and equipment portions of the distribution system are present, a connection shall be provided for a portable diesel generator.*

*Informational Note: For information on installation of battery systems, see NFPA 111- 019, Standard on Stored Electrical Energy Emergency and Standby Power Systems.*

***(4) Health Care Microgrid.*** *EES shall be permitted to be supplied by a Health Care microgrid that also supplies nonessential loads. The EES Health Care Microgrid shall be permitted to share distributed resources with the normal source. EES Health Care Microgrid systems shall be designed with sufficient reliability to provide effective facility operation consistent with the facility emergency operations plan. EES Health Care Microgrid system components shall not be compromised by failure of the normal source. EES Health Care Microgrids shall meet the installation and commissioning requirements set forth in NFPA 99-2021 Article 6.10.*

*~~Exception No.1 to B.1 [OSHPD 2 & 4]: Where the normal source consists of generating units on the premises, the alternate source shall be either another generator set or an external utility service.~~*

*All on-premises sources of power shall meet the on-premises fuel or battery stored energy requirements specified in Article 700.12.*

*[OSHPD 2, 4 & 5] For facilities subject to Centers for Medicare and Medicaid Services (CMS) regulations, see 42 CFR 482.15(e) and 42 CFR 483.73 (e) for emergency power requirements.*

*~~Exception No. 2: to B.1~~ Informational Note: [OSHPD 2, 4 & 5] Battery-powered components of wireless emergency nurse call systems complying with the latest edition of ANSI/UL 1069, Standard for Hospital Signaling and Nurse Call Equipment need not have the wireless components connected to the alternate source of power.*

**(C) Location of Essential Electrical System Components.** ...

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 12 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part III. Essential Electrical System (EES)**

**517.42 Essential Electrical Systems for Nursing Homes and Limited Care Facilities.**

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**(E)** **Receptacle Identification. *[OSHPD 1, 2, 4 & 5]*** The electrical receptacles*~~[OSHPD 1, 2, 4 & 5] and light switches~~ or the cover plates for the electrical receptacles ~~[OSHPD 1, 2, 4 & 5] and light switches~~* supplied from the life safety or equipment branches shall have a distinctive color or marking so as to be readily identifiable*.* [**99:**6.7.6.3.2]*Provide either red device, red cover plate or metal cover plate with engraved text and red paint fill.*

...

~~Informational Note: If color is used to identify these receptacles, the same color should be used throughout the facility. [~~**~~99~~**~~:A.6.7.6.3.2]...~~

***(F) Coordination. [OSHPD 2, 4 & 5]*** *Overcurrent protective devices serving the essential electrical system shall be coordinated for the period of time that a fault’s duration extends beyond 0.1 second.*

*Exception No. 1: Between transformer primary and secondary overcurrent protective devices, where only one overcurrent protective device or set of overcurrent protective devices exists on the transformer secondary.*

*Exception No. 2: Between overcurrent protective devices of the same size (ampere rating) in series.*

*Informational Note 1: The terms coordination and coordinated as used in this section do not cover the full range of overcurrent conditions.*

*Informational Note No. 2: See 517.17(C) for information on requirements for the coordination of ground-fault protection.*

#### Notation:

Authority: Health and Safety Code, Sections 1275, 18928, 18929, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 13 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part III. Essential Electrical System (EES)**

**517.44 Connection to Equipment Branch.** …

...

**(A) Delayed Automatic Connections to Equipment Branch.** …

...

(1) Task illumination and select receptacles in the following: [**99:**6.7.6.2.1.6(D)(1)

a. Patient care spaces [**99:**6.7.6.2.1.6(D)(1)(a)] *[OSHPD 5] Receptacles not required for psychiatric patient beds. Follow 517.18(B) Exception No. 4 requirements if receptacles are provided.*

…

*(7) [OSHPD 1, 2, 4 & 5] Selected receptacles in patient room or corridors so that any patient bed can be reach a receptacle with a fifty (50) foot extension cord or less.*

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 14 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part III. Essential Electrical System (EES)**

**517.45 Essential Electrical Systems for Other Health Care Facilities.** …

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***(F) [OSHPD 3] Receptacle ~~and Light Switch~~ Identification.*** *The cover plates for the electrical receptacles ~~and light switches~~ or the electrical receptacles ~~and light switches themselves~~, supplied from the critical or life safety branches ~~emergency system~~, shall have a distinctive color or marking so as to be readily identifiable. Provide either red device, red cover plate or metal cover plate with engraved text and red paint fill.*

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 15 Chapter 5 Special Occupancies ARTICLE 517 Health Care Facilities

**Part VII. Isolated Power Systems**

**517.160 Isolated Power Systems.** …

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**(B) Line Isolation Monitor.** ...

...

***(4) Testing.***

***(a) Line Isolation Monitor Tests.*** *Test per NFPA* ***99****:6.3.3.3.2.*

***(b) LIM circuit Tests.*** *Test per NFPA* ***99****:6.3.3.3.3.*

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 16 Chapter 6 Special Equipment ARTICLE 695 Fire Pumps

**695.3 Power Source(s) for Electric Motor-Driven Fire Pumps.** …

...

**(G) Power Source Selection.** … *[OSHPD 1, 2 (facilities complying with Article 517.40(B), 3 (surgical clinics), ~~&~~ 4 & 5 (with critical care spaces)] Transfer switch shall comply with Article 517.31(B)(3).*

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850

### ITEM 17 Chapter 7 Special Conditions ARTICLE 705 Interconnected Electric Power Production Services

**Part I. General**

**705.20 Disconnecting Means, Source.** Means shall be provided to disconnect power source output circuit conductors of electric power production equipment from conductors of other systems. The disconnecting means shall comply with the following:

(1) Be one of the following types: …

…

(8) Be marked in accordance with the warning…

***[OSHPD 1, 1R, 2, 3, 4 & 5]*** *The disconnecting means shall be installed either inside or outside of the building that houses equipment that will have connection(s) from electric power production equipment. The disconnecting means shall be located as near as practicable to where the conductors enter or leave OSHPD Jurisdiction.*

...

#### Notation:

Authority: Health and Safety Code, Sections 1275, 129675-130070

Reference(s): Health and Safety Code, Section 129850