

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Subchapter 6 to read:

Subchapter 6. Elevator Safety Orders

Amend Group I to read:

Group I. Administrative Regulations

Group I regulations apply to existing ~~and new~~ elevator installations covered in Group II and Group III regulations, and to new conveyances covered in Group IV regulations.

Article 1. Application

Amend Section 3000 as follows:

§3000. Application.

* * * * *

(c) Devices Included. The devices covered by the regulations of the Elevator Safety Orders are included under the term "elevator" as used in the Labor Code. These orders apply to the following:

- (1) ~~Existing p~~Power-cable driven passenger and freight elevators covered by regulations of ~~a~~Articles 7₁ and 8₁ ~~and new power cable driven passenger and freight elevators covered by regulations of articles 20₁ and 21.~~
- (2) ~~Existing h~~Hydraulic passenger and freight elevators covered by regulations of ~~a~~Articles 9 and ~~new hydraulic passenger and freight elevators covered by regulations of article 22.~~
- (3) ~~Existing p~~Power and hand sidewalk elevators covered by regulations of ~~a~~Articles 10 and ~~new power sidewalk elevators covered by regulations of article 23.~~
- (4) ~~Existing h~~Hand passenger and freight elevators covered by regulations of ~~a~~Articles 11 and ~~new hand elevators covered by regulations of article 24.~~
- (5) ~~Existing p~~Power and hand dumbwaiters covered by regulations of ~~a~~Articles 12 and ~~new power and hand dumbwaiters covered by regulations of article 25.~~
- (6) ~~Existing m~~Material lifts and dumbwaiters with automatic transfer devices covered by regulations of ~~a~~Articles 12.1 and ~~new material lifts and dumbwaiters with automatic transfer devices covered by regulations of article 31.~~
- (7) ~~Existing i~~Inclined elevators covered by regulations of ~~a~~Articles 12.2 and ~~new inclined elevators covered by regulations of article 34.~~

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

(8) ~~Existing e~~Escalators covered by regulations of ~~a~~Articles 13 and ~~new escalators covered by regulations of article 26.~~

(9) ~~Existing m~~Moving walks covered by regulations of ~~a~~Articles 14 and ~~new moving walks covered by regulations of article 27.~~

(10) ~~New and existing h~~Hand power man platforms covered by regulations of ~~a~~Article 16.

(11) ~~New and existing m~~Manlifts covered by regulations of ~~a~~Article 17.

(12) ~~Existing s~~Screw-driven passenger and freight elevators covered by the regulations of ~~a~~Articles 12.6 and ~~new screw column elevators covered by regulations of article 35.~~

(13) ~~New and existing v~~Vertical or inclined reciprocating conveyors covered by regulations of ~~a~~Article 12.5.

(14) ~~Existing s~~Special access lifts covered by regulations of ~~a~~Articles 15 and ~~new special access lifts covered by regulations of article 36.~~

(15) Special-purpose personnel elevators covered by regulations of Article 12.3 and special-purpose elevators covered by regulations of Article 32.

(Title 24, Part 7, Section 3000(e))

* * * * *

(f) New Group III Installations. ~~New installations are d~~Devices listed as ~~new devices in section 3000(c) that are:~~

(1) Erected from plans or contracts completed, and for which the notice of intention to install is filed with the Division, on or after October 25, 1998, but before [_____ *] ~~these regulations become effective.~~

(2) ~~Existing i~~Installations ~~that which~~ have been operating previous to October 25, 1998 ~~adoption of these regulations without the required inspection or permit to operate.~~

(3) ~~Existing d~~Devices ~~that which~~ are moved to a new location on or after October 25, 1998, but before [_____ *] ~~these regulations become effective.~~

NOTE: Regulations for new Group III installations are contained in Group III.

(Title 24, Part 7, Section 7-3000(f))

(g) ~~Existing Group II Installations.~~ ~~Existing installations are d~~Devices listed as ~~existing devices in section 3000(c) that are:~~

(1) Devices which have been inspected by the Division and to which a serial number has been assigned.

[* OAL to insert the effective date of the standard.]

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

(2) Devices for which erection was begun before October 25, 1998 ~~these regulations became effective~~ and for which the notice of intent to install is not required.

(3) Devices erected from plans or contracts completed, and for which the notice of intent to install is filed with the Division, before October 25, 1998 ~~these regulations became effective~~.

NOTE: Regulations for ~~existing~~ Group II installations are ~~contained~~ in Group II.

~~(Title 24, Part 7, Section 7-3000(g))~~

(h) Alterations, Repairs, Replacements, and Maintenance of Devices.

(1) Alterations, repairs, replacements, and maintenance of devices as listed in section 3000(c) shall comply with Part XII of ASME A17.1-1996; except for Rule 1200.1, Rule 1206.10, section 1214, section 1215, section 1216, and section 1217; which is hereby incorporated by reference.

(2) Alterations made after [*] on Group II and Group III devices listed in section 3000(c) shall comply with the applicable provisions of section 3141.2 in Group IV.

~~(Title 24, Part 7, Section 7-3000(h))~~

Article 2. Permit to Operate

Amend Section 3001 to read:

§3001. Permit to Operate.

(a) Submittal of Plans and Notification of Intent to Install.

* * * * *

(8) The person or firm installing a static control shall provide the Division with information showing that the control complies with the requirements of Group II, sections 3040(f)(4) and 3040(f)(7). This information shall be in the form of either:

(A) Electrical schematic diagrams or block diagrams of the control and safety circuits; or

(B) A written checkout procedure and demonstration of safety and speed control circuits required by sections 3040(f)(4) and 3040(f)(7) at the time of the inspection.

EXCEPTION TO SECTION 3001(a)(8): Installation of static control for Group IV installations shall comply with Group IV, section 3141.3.

~~(Title 24, Part 7, Section 7-3001(a))~~

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**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

(b) Inspections Required.

(1) Each new device shall be inspected by an authorized representative of the Division and a permit to operate issued before the device is placed in service.

(2) Each alteration of an existing device ~~passenger or freight elevator~~ shall be inspected by an authorized representative of the Division and a new permit to operate issued before the elevator is placed back in service.

EXCEPTION: After the inspection of a new device or an alteration, the device may be placed in service while the permit to operate is being processed, provided, in the opinion of the inspecting representative of the Division, the device is safe to operate.

* * * * *

(5) Elevators in a multiunit residential building serving no more than two dwelling units and not accessible to the public shall be inspected by the Division upon completion of installation prior to being placed in service, or after alterations prior to being returned to service. The inspection shall be for safety and compliance with applicable provisions in ANSI/ASME A17.1-1984, ~~p~~Parts V and XXI, which are hereby incorporated by reference. Elevators installed after Sept. 28, 2001, shall be inspected for safety and compliance with applicable provisions in either ASME A17.1-1996, Part 5, which is hereby incorporated by reference; or ASME A18.1-1999, Sections 5, 6, and 7, which is hereby incorporated by reference.

(6) Special access elevators installed after Sept. 28, 2001 shall be inspected for safety and compliance with the applicable provisions of Article 15, Special Access Elevators and Special Access Lifts, ~~S~~sections 3093-3093.60 of the Elevator Safety Orders.

* * * * *

Article 6. Definitions

Amend Section 3009 as follows:

§3009. Definitions.

(a) Scope. The elevator industry and the material handling industry, both of which are subject to these orders, use many words and terms that have meanings unique to their respective endeavors. Definitions are included to standardize nomenclature and improve communication between inspectors, mechanics, architects, engineers, and owners. Oral and written interchanges are enhanced when both parties understand a given term or word to have a specific meaning.

(b) List of Definitions. The following definitions shall be accepted as the meaning of the various terms as used in these regulations:

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

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Automated People Mover. A guided transit mode with fully automated operation, featuring vehicles that operate on guideways with exclusive right-of-way.

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Certified Competent Conveyance Inspector (CCCI). Any person who has been determined by the Division to have the qualifications and ability of a competent conveyance inspector and is certified as a CCCI by the Division.

Certified Competent Conveyance Mechanic (CCCM). Any person who has been determined by the Division to have the qualifications and ability of a competent journey-level elevator mechanic and is certified as a CCCM by the Division.

Certified Qualified Conveyance Company (CQCC). Any person, firm, or corporation that, (1) possesses a valid elevator contractor's license if required by Chapter 9 (commencing with Section 7000) of Division 3 of the Business and Professions Code, and (2) is certified as a CQCC by the Division.

Certified Qualified Conveyance Inspection Company (CQCIC). Any person, firm, or corporation that is certified as a CQCIC by the Division.

* * * * *

Conveyance. Any elevator, dumbwaiter, escalator, moving platform lift, stairway chairlift, material lift or dumbwaiter with automatic transfer device, automated people mover, or other equipment subject to this chapter.

Conveyor, Reciprocating. See under Material Handling Devices.

* * * * *

Dormant Elevator, Dumbwaiter, or Escalator. An elevator, dumbwaiter, or escalator placed out of service as specified in ASME A17.1-2004 and ASME A18.1-2003.

Dumbwaiter. See under Material Handling Devices.

* * * * *

Periodic Inspection. Annual re-inspection of conveyances covered by this chapter.

Phase I Emergency Recall Operation. The operation of an elevator wherein it is automatically or manually recalled to a specific landing and removed from normal service because of activation of firefighters' service.

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

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Re-inspection. See periodic inspection.

Releasing Carrier, Governor Rope. A mechanical device to which the governor rope may be fastened, calibrated to control the initiation ~~activation~~ of a safety at a predetermined tripping force.

* * * * *

Speed Governor (Governor). A continuous operating speed monitoring and detection device ~~which, that~~ at predetermined speeds, provides signals to the controller and imparts a retarding force to activate the car or counterweight safety.

* * * * *

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code; ~~and Section 18943(b), Health and Safety Code.~~

Amend Group II to read:

Group II. ~~Existing~~ Elevator Installations for which the installation contract was signed before October 25, 1998.

~~Group II regulations apply to existing elevators installed prior to October 25, 1998.~~ Italicized paragraphs, sentences, or phrases apply to all existing elevators while non-italicized apply to elevators installed after 1970 or after the date the regulation was adopted.

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Article 15. Special Access Elevators and Special Access Lifts

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**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Section 3094.2 as follows:

§3094.2. Vertical Platform (Wheelchair) Lifts.

* * * * *

(p) Vertical platform (wheelchair) lifts which require the wheelchair or conveyance to be rotated 90 degrees for egress shall comply with the following:

(1) The clear inside unobstructed platform ~~inside~~ dimensions may range from 42 inches to ~~50~~ 48 inches on one side by ~~53~~ 54 inches to 60 inches on the other side.

(2) ~~Where there is an increase in the~~ When the platform minimum width of 42 inches is increased, the platform maximum 60 inch length shall be ~~reduced~~ decreased by the number of inches the width has been increased (see the Table in section 3093.46(b)).

(3) When the length of the platform is reduced, the platform width shall be increased by the same amount the length has been decreased.

(4) The side entry of the platform door on the long side shall be hinged at the end nearest to the platform door on the short side unless the door is power operated.

* * * * *

~~(Title 24, Part 7, Section 7 3094.2)~~

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code; and Section 18943~~(b)~~, Health and Safety Code.

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**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Group III to read:

Group III. New Elevator Installations for which the installation contract was signed on or after October 25, 1998, but before [*].

~~Group III regulations apply to new elevators installed after October 25, 1998.~~

Article 20. Hoistways, Hoistway Enclosures, and Related Construction for Electric Elevators

* * * * *

Amend Section 3120.6 as follows:

§3120.6. Pits.

* * * * *

(c) A water removal system such as a sump pump, suction drain, or gravity drain may be used to address water accumulations on the pit floor pursuant to ~~Rule section 1206.2a of ASTM~~ ASME A17.1-1996. The water removal system, if provided, shall comply with the following:

- (1) Equipment related to the water removal system shall not be located in the pit, elevator hoistway, or machine room;
- (2) Piping related to the water removal system shall be located outside the pit and machine room, except that the piping extending from the pit floor to the lowest landing may be installed inside the hoistway.
- (3) The water removal system shall not be connected directly to the sewer.
- (4) The following shall apply if a drain in the pit floor is used as the water removal system:
 - (A) The drain shall be designed so that water cannot enter the pit through the drain;
 - (B) If a sump is provided, the drain shall be in the sump.

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NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code.

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[* OAL to insert the effective date of the standard.]

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Amend Article 37 title and Section 3137 as follows:

Article 37. Seismic Requirements ~~for Elevators, Escalators and Moving Walks~~

§3137. Seismic Requirements for Elevators, Escalators and Moving Walks.

Elevators shall comply with the seismic requirements for elevators in Part XXIV of ASME A17.1-1996, except for Rule 2409.1b(1), which is hereby incorporated by reference.

* * * * *

(d) The following requirements apply to escalators and moving walks and are in addition to the requirements contained in other parts of this code:

(1) Connections which join the escalator or moving walk to the building shall be designed for seismic loads of 0.5g in both principal horizontal directions.

(2) The design connections shall provide for maximum design story drift.

* * * * *

(C) Seismic restraint shall be provided in the transverse direction at ~~all supports~~ the top and bottom supports. Intermediate supports, if any, shall be free to move laterally in all directions. The gap between the escalator truss and the seismic restraint shall not exceed 1/4 inch on each side.

* * * * *

~~(Title 24, Part 7, Section 7-3137.)~~

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Section 142.3, Labor Code; ~~and Section 18943(b), Health and Safety Code.~~

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Add new Group IV to read:

Group IV. Conveyance installations for which the installation contract was signed on or after [*].

Add new Article 40 and new Section 3140 as follows:

Article 40. Application

§3140. Application.

(a) Group IV governs the design, erection, construction, installation, service, and operation of conveyance as defined in Section 7300.1 of the Labor Code, for which the installation contract was signed on or after [*].

(b) Use and Precedence of Orders.

(1) The reference to ASME A17.1-2004, Safety Code for Elevators and Escalators, developed by the American Society of Mechanical Engineers, shall mean the 2004 edition, and shall be referred to as ASME A17.1-2004, unless otherwise indicated.

(2) The reference to ASME A18.1-2003, Safety Standard for Platform Lifts and Stairway Chairlifts, developed by the American Society of Mechanical Engineers, shall mean the 2003 edition, and shall be referred to as ASME A18.1-2003, unless otherwise indicated.

(3) The reference to ASCE 21, Automatic People Movers, developed by the American Society of Civil Engineers, shall mean ASCE 21, Part 1, 1996 edition; Part 2, 1998 edition; and Part 3, 2000 edition; and shall be referred to as ASCE 21, Parts 1, 2, and 3, unless otherwise indicated.

(4) The Elevator Safety Orders shall apply if any difference exists between the Elevator Safety Orders and ASME A17.1-2004; ASME A18.1-2003; and ASCE 21, Part 1, 1996 edition, Part 2, 1998 edition, and Part 3, 2000 edition; or any other code, document or standard referenced in ASME A17.1-2004; ASME A18.1-2003; and ASCE 21, Part 1, 1996 edition, Part 2, 1998 edition, and Part 3, 2000 edition.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

[* OAL to insert the effective date of the standard.]

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

Add new Article 41 and new Sections 3141, 3141.1 through 3141.13 as follows:

Article 41. Conveyances Covered by ASME A17.1-2004

§3141. Scope.

Conveyances covered by ASME A17.1-2004, section 1.1, Scope, and Article 41 of Title 8 shall comply with ASME A17.1-2004, Safety Code for Elevator and Escalators, except sections 2.2.2.5, 2.7.6, 2.11.1.2, 2.11.1.4, 2.12.6, 2.14.2.2(f), and 2.14.2.6, which is hereby incorporated by reference.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.1. Maintenance, Repair, and Replacement.

Maintenance, repairs, and replacements of conveyances covered by ASME A17.1-2004 shall comply with ASME A17.1-2004, section 8.6.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.2. Alterations.

(a) Alterations made to conveyances covered by ASME A17.1-2004 shall comply with ASME A17.1-2004, section 8.7.

(b) When alterations are made pursuant to ASME A17.1-2004, section 8.7, conveyances shall comply with ASME A17.1-2004, section 8.4, that are applicable to the alteration.

(1) When alterations are made pursuant to ASME A17.1-2004, sections 8.7.2.27.4, 8.7.2.27.5, or 8.7.2.27.6, conveyances shall comply with ASME A17.1-2004, section 8.4.10.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.3. Static Controls.

(a) The installation of static controls shall comply with the requirements of ASME A17.1-2004 applicable to the conveyance involved.

(b) The Certified Qualified Conveyance Company (CQCC) installing static controls shall provide the Division with verification that the control complies with the requirements of ASME A17.1-2004. This information shall be in the form of:

(1) Electrical schematic diagrams or block diagrams of the control and safety circuits; and

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

(2) A written check-off procedure and demonstration of safety and speed control circuits at the time of the initial inspection.

(c) The results of the Electromagnetic Interference (EMI) testing required by ASME A17.1-2004 shall be submitted to the Division for review. The test shall include any wireless communication system used.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.4. Acceptance Inspections and Tests.

(a) Acceptance inspections and tests shall comply with the parts of ASME A17.1-2004, section 8.10, that are applicable to the type of conveyance installed or altered.

(b) Private residential conveyances installed, or that have undergone major alterations, located in a multiunit residential building serving no more than two dwelling units and not accessible to the public, shall be inspected for safety and compliance with applicable provisions in ASME A17.1-2004, sections 5.3 and 5.4, in addition to the acceptance inspections and tests specified in section 3141.4(a).

NOTE: Authority cited: Sections 142.3, 7317 and 7323, Labor Code. Reference: Sections 142.3, 7317 and 7323, Labor Code.

§3141.5. Periodic Inspections.

Periodic inspections shall comply with ASME A17.1-2004, section 8.11, applicable for the type of conveyance involved.

EXCEPTION: Conveyances addressed in section 3141.4(b) are not subject to periodic inspections.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.6. Periodic Tests.

(a) Periodic testing shall comply with the parts of ASME A17.1-2004, section 8.11, that are applicable for the type of conveyance involved with the following frequencies:

(1) Category One Tests shall be completed once every 12 months.

(A) A Category One Test shall apply to earthquake protective devices.

(2) Category Three Tests shall be completed once every 36 months; and

(3) Category Five Tests shall be completed once every 60 months.

(b) Test tags per ASME A17.1-2004, section 8.11.1.6, are required. Tags shall be installed in a machinery space when machine rooms are not available.

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

(c) Periodic tests shall be conducted by a Certified Competent Conveyance Mechanic (CCCM) employed by a Certified Qualified Conveyance Company (CQCC).

(d) Periodic tests shall be witnessed, as required by ASME A17.1-2004, section 8.11.1.1.2, by a Certified Competent Conveyance Inspector (CCCI) employed by a Certified Qualified Conveyance Inspection Company (CQCIC) or, if a CQCIC is not available, by a Division CCCI. Periodic tests witnessed by a CCCI shall be reported to the Division by the CCCI on a form provided by the Division, or equivalent, within 21 days of the test. The information required to be reported shall include:

- (1) The name of the CQCIC and the CCCI witnessing the test;
- (2) Type of test performed as contained in ASME A17.1-2004, section 8.11;
- (3) Name of the CQCC and CCCM who performed the test;
- (4) The date of the test; and
- (5) Results of the test.

(e) All statements on the form shall be made under penalty of perjury.

(f) If an elevator fails a periodic test, it shall be removed from service until a satisfactory test result is achieved.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.7. General Requirements.

(a) Conveyances shall comply with the following general requirements:

(1) Hoistway door unlocking devices described in ASME A17.1-2004, section 2.12.6, are prohibited on all conveyances;

(2) Emergency doors in blind hoistways as described in ASME A17.1-2004, section 2.11.1.1, and access panels as described in ASME A17.1-2004, section 2.11.1.4, are prohibited;

(3) All electrical equipment and wiring shall comply with CCR, Title 24, Part 3, California Electrical Code;

(A) The light switch shall be located on the strike side of the machine room door if a machine room door is provided;

(B) The light switch shall be located adjacent to the elevator pit access door within 18 inches to 36 inches above the access landing when access to the elevator pit is through the lowest landing door;

(C) Fire detecting systems for hoistways and the necessary wiring may be installed in hoistways, provided that the system is arranged to be serviced and repaired from outside the hoistway;

(4) The 4-inch dimension referenced in ASME A17.1-2004, section 2.1.6.2, shall be reduced to 2 inches and the 6.5 inch dimension referenced in ASME A17.1-2004, section 2.14.4.5.1(d), shall be reduced to 6 inches;

(5) The means of providing automatic disconnect from the main power supply to the affected elevator upon or prior to the application of water from sprinklers located in the machine room or

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

in the hoistway as required by ASME A17.1-2004, section 2.8.2.3.2, is permitted, but is not mandatory;

(6) Door locking devices, oil buffers, car and counterweight safety devices, speed governors, and plunger engaging safety devices (plunger gripper) shall be approved by the Division based on the criteria contained in ASME A17.1-2004, sections 2.12, 2.17, 2.18, 2.22.4, and 3.17.3; and Group II, sections 3105(b), 3106(b), 3106.1, 3108(f), and 3110(a);-

(7) An audible signaling device complying with ASME A17.1-2004, section 2.27.1.2, shall be provided on all conveyances regardless of the existence of an emergency stop switch;

(8) Instead of the two floors permitted by ASME A17.1-2004, section 2.27.3.4, the car shall be permitted to move one floor on resumption of normal, emergency, or standby power.

(9) Counterweight guards addressed in ASME A17.1-2004, section 2.3.2.2(e), if perforated, shall reject a 1/2 inch ball;

(10) The speed governor and safety marking plates shall contain the manufacturer's identifying number;

(11) A reduced diameter governor rope of equivalent construction and material to that required by ASME A17.1-2004 shall be permitted to be used if the factor of safety as related to the strength necessary to activate the safety is 5 or greater;

(12) Scissor type collapsible gates are prohibited;

(13) The guarding of counterweights in a multiple-elevator hoistway shall comply with Group II, section 3013(c);

(14) Water removal systems used to address the accumulation of water in pits shall comply with Group III, section 3120.6(c) and section 3120.6(d);

(15) Elevators in jails and penal institutions are exempt from the requirements related to the installation of fire fighters' emergency operation where the recall of elevators will interfere with security;

(16) Guarding of exposed equipment shall comply with Group II, section 3014;

(17) Partitions not less than 6 feet (1.83 m) high from the pit floor shall be provided between the pits of adjacent hoistways;

(A) If openings are provided in the partition, they shall reject a 2-inch ball;

(B) The partitions may be omitted if the clearance between the underside of the car sling when resting on a fully compressed buffer and the bottom of the pit is not less than 7 ft. (2.13 m);

(18) Looped pull straps are prohibited; and

(19) Access switches described in ASME A17.1-2004, section 2.12.7, are required regardless of the rated speed and shall be installed in the hoistway entrance frame or within 12 inches of the entrance frame and not less than 36 inches (914 mm) nor more than 78 inches (1.98 m) above floor level.

(b) Medical Emergency Service.

Medical emergency service shall comply with Group II, section 3041(e).

NOTE: See Title 24, Chapter 30, section 3003.5a. of the California Building Code for regulations related to medical emergency service elevators.

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.8. Electric Conveyances.

(a) Electric conveyances covered by ASME A17.1-2004, shall comply with the following:

(1) Means of access to the governor from outside the hoistway as required by ASME A17.1-2004, section 2.1.3.1.2(b)(1), shall not be required provided that:

(A) The governor can be inspected and serviced from the top of the car, and the governor can be tripped for testing from outside the hoistway;

(B) The governor can be reset automatically when the car is moved in the up direction or the governor can be reset from outside the hoistway;

(C) Mechanical means to secure the car during governor or governor rope replacement or removal is provided and signs indicating that the car shall be secured before removal of the governor rope shall be placed in the vicinity of the governor. Instructions in the use of this means shall be available on site for use by a CCCC;

(D) Means to reset the governor switch, if provided, is located outside the hoistway;

(E) Additional permanent lighting of not less than 5 footcandles and a switch for the lighting shall be provided in the governor area; and

(F) Written procedures for testing, servicing, maintaining, and inspecting the governor shall be developed and made available to the CCCC providing the service on the elevator and upon request to the Division.

(2) A floor above a hoistway per ASME A17.1-2004, section 2.1.3.1.1, is only required if a machine room or other room is provided above the hoistway that requires entry.

(3) A stop switch complying with section 2.26.2.5 of ASME A17.1-2004 shall be provided at a readily accessible location adjacent to the elevator driving machine if the driving machine is located in the hoistway.

(4) The Division may grant a temporary experimental variance pursuant to Labor Code section 6452 for an alternate suspension system not meeting the specifications of ASME A17.1-2004, section 2.20, if the alternate system provides equivalent safety. Manufacturer's documentation supporting equivalent safety shall be submitted to the Division for review and approval. The manufacturer's documentation submitted to the Division shall include, but not be limited to, the following:

(A) Definitions of terminology used;

(B) Calculations and test results supporting the equivalency of the alternate system;

(C) The material, dimensional characteristics, and mechanical properties of the various parts of the system;

(D) The life cycle criteria of the suspension means and their connections;

(E) The replacement criteria for the suspension ropes and their connections; and

(F) The allowable sheave size to be used with the suspension system.

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

**PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4**

(5) A car top emergency exit shall not be permitted on an elevator installed in a partially enclosed hoistway.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.9. Limited-Use/Limited-Application Conveyances.

Limited-use/limited-application conveyances covered by ASME A17.1-2004 shall comply with section 5.2.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.10. Conveyances Used for Construction.

(a) Conveyances used for construction covered in ASME A17.1-2004, section 5.10, shall comply with the following:

(1) A trained and authorized person shall be stationed at, and operate the controls in the elevator car during the hours the elevator is in operation. Training shall include at least conveyance operation and emergency procedures.

(2) There shall be a means of two-way communication provided between the operator and a location on the jobsite that is staffed at all hours during elevator operation.

(3) There shall be a means of two-way voice communication (wired or wireless) between the conveyance operator and all hall landings. A separate communication system shall be provided at each landing and be operable during all hours of operation, i.e., an annunciator next to the operator's station in the car, which can be activated from the landings.

(4) An emergency plan and procedure shall be developed and made available to the Division during any inspection.

(5) When permanent doors are installed, approved interlocks shall be provided.

(6) A durable sign with lettering not less than 1/2 inch on a contrasting background shall be conspicuously posted inside the elevator car indicating that:

(A) The conveyance is for construction use only.

(B) The conveyance shall be operated only by an authorized person.

(7) Durable signs with lettering not less than 1/2 inch on a contrasting background shall be conspicuously posted at all landings instructing the elevator user how to summon the conveyance.

(8) The conveyance shall be parked and secured against unauthorized access after working hours.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

§3141.11. Escalators.

Escalators covered in ASME A17.1-2004 shall comply with ASME A17.1-2004, section 6.1, and with Group III, section 3126.6(b).

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.12. Moving Walks.

Moving walks covered in ASME A17.1-2004 shall comply with ASME A17.1-2004, section 6.2, and with Group III, section 3127.6(b).

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3141.13. Seismic Requirements.

(a) Conveyances covered by ASME A17.1-2004 shall comply with the seismic requirements in ASME A17.1-2004, section 8.4, and with Group III, sections 3137(a) and 3137(b).

(b) Escalators covered by ASME A17.1-2004 shall comply with the seismic requirements in Group III, section 3137(d).

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

Add new Article 42 and new Sections 3142, 3142.1, and 3142.2 as follows:

Article 42. Conveyances Covered by ASME A18.1-2003

§3142. General Requirements.

(a) Conveyances covered by ASME A18.1-2003, section 1.1, Scope, and Article 42 of Title 8 shall comply with ASME A18.1-2003, Safety Standard for Platform Lifts and Stairway Chairlifts, which is hereby incorporated by reference, and the following:

(1) Group II, sections 3094.2(r) and 3094.5.

(2) Power doors shall comply with ANSI/BHMA A156.19-1997, American National Standard for Power Assist and Low Energy Power Operated Doors, which is hereby incorporated by reference.

(b) Acceptance inspections and tests shall comply with ASME A18.1-2003, section 10.4, that are applicable to the type of elevator installed or altered.

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

(c) Periodic inspections shall comply with ASME A18.1-2003, section 10, applicable for the type of elevators involved.

(d) Periodic tests shall comply with section 3141.6(c), (e), and (f) and ASME A18.1-2003, section 10.3.

(e) Periodic tests shall be witnessed by a Certified Competent Conveyance Inspector (CCCI) employed by a Certified Qualified Conveyance Inspection Company (CQCIC) or, if a CQCIC is not available, by a Division CCCI. Periodic tests witnessed by a CCCI shall be reported to the Division by the CCCI on a form provided by the Division, or equivalent, within 21 days of the test. The information required to be reported shall include:

(1) The name of the CQCIC and the CCCI witnessing the test;

(2) Type of test performed;

(3) Name of the CQCC and CCCM who performed the test;

(4) The date of the test; and

(5) Results of the test.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3142.1. Vertical Platform Lifts.

Vertical platform lifts covered by ASME A18.1-2003 shall comply with ASME A18.1-2003, sections 2 and 5, which is hereby incorporated by reference, and with Group II, sections 3094.2(d), 3094.2(e), 3094.2(g), and 3094.2(p).

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3142.2. Inclined Platform Lifts.

Inclined platform lifts covered by ASME A18.1-2003 shall comply with ASME A18.1-2003, sections 3 and 6, which is hereby incorporated by reference, and with Group II, sections 3094.3(e), 3094.3(f), 3094.3(g), and 3094.3(h), except 3094.3(h)(2) and with Sections 3094.3(j) and 3094.3(k).

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

Add new Article 43 and new Section 3143 as follows:

Article 43. Automated Guided Transit Vehicles with an Exclusive Right-of-Way

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

Attachment No. 1

Page 19 of 20

**PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4**

§3143. Automated People Movers.

Automated people mover conveyances shall comply with ASCE 21, Part 1 (1996), Part 2 (1998), and Part 3 (2000), Automated People Mover Standards, which are hereby incorporated by reference.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

Add new Article 44 and new Sections 3144, 3145, and 3146 as follows:

Article 44. Hand Power Man Platforms, Manlifts, and Vertical and Inclined Reciprocating Conveyors

§3144. Hand Power Man Platforms.

Hand power man platforms shall comply with Group II, Article 16.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

§3145. Manlifts.

Manlifts shall comply with Group II, Article 17.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.

**STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD**

PROPOSED STATE STANDARD,
TITLE 8, CHAPTER 4

§3146. Vertical and Inclined Reciprocating Conveyors.

Vertical and inclined reciprocating conveyors shall comply with Group II, Article 12.5.

NOTE: Authority cited: Sections 142.3 and 7323, Labor Code. Reference: Sections 142.3 and 7323, Labor Code.