

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

Attachment No. 1

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PROPOSED STATE STANDARD,
TITLE 8, DIVISION 1, CHAPTER 4

TITLE 8: Division 1, Chapter 4, Subchapter 4. Construction Safety Orders
Article 2. Definitions

Amend Section 1504 as follows:

§1504. Definitions.

Ladders.

(A) Ladder. A device other than a ramp or stairway, designed for use in ascending or descending at an angle with the horizontal. A ladder is intended to be stationary while in service and consists of two side pieces called siderails, joined at short intervals by crosspieces called steps, rungs or cleats.

(B) Ladder, Double Cleat. A ladder that is similar to a single cleat ladder, but is wider, with an additional center rail which will allow for two-way traffic for workers in ascending and descending. ~~Ladder, Extension. A ladder consisting of two or more sections, with guides or brackets so arranged that the ladder may be adjusted to different lengths by sliding and locking the movable section or sections. [Existing (B) relocated to (C)]~~

(C) Ladder, Extension. A ladder consisting of two or more sections, with guides or brackets so arranged that the ladder may be adjusted to different lengths by sliding and locking the movable section or sections. ~~Ladder, Fixed. A ladder permanently fastened to a structure. [Existing (C) relocated to (E)]~~

(D) Ladder, Extension Trestle. A ladder consisting of an "A" or trestle ladder with an additional single ladder, which is supported in a vertical position by the "A" ladder. ~~Ladder, Job-built. A ladder that is fabricated by employees, typically at the construction site, and is not commercially manufactured. [Existing (D) relocated to (G)]~~

(E) Ladder, Fixed. A ladder permanently fastened to a structure. ~~Ladder, Single-rail. A portable ladder with rungs, cleats, or steps mounted on a single rail instead of the normal two rails used on most other ladders. [Existing (E) relocated to (I)]~~

(F) Ladder, Jacob's ladder. A ladder having rigid rungs suspended between two vertical chain or wire rope stringers, instead of the rigid side rails used on fixed or portable ladders. ~~Ladder, Portable. A ladder, not permanently fixed in place, which may be used at various locations. [Existing (F) relocated to (H)]~~

(G) Ladder, Job-built. A ladder that is fabricated by employees, typically at the construction site, and is not commercially manufactured. ~~Ladder, Stepladder. A ladder having treads and so constructed as to be self-supporting. [Existing (G) relocated to (K)]~~

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~~(H) Ladder, Portable. A ladder, not permanently fixed in place, which may be used at various locations. Ladder, Steps. Either rungs, treads, or cleats. [Existing (H) relocated to (J)]~~

~~(I) Ladder, Single-rail. A portable ladder with rungs, cleats, or steps mounted on a single rail instead of the normal two rails used on most other ladders. Ladder, Step stool. A self-supporting, collapsible, portable ladder, nonadjustable in length, 32 inches or less in overall size, with flat steps and without a pail shelf, designed to be climbed on the ladder top cap as well as all steps. The rails may continue above the top cap. [Existing (I) relocated to new (L)]~~

~~(J) Ladder, Steps. Either rungs, treads, or cleats. Ladder, Trestle or "A." A ladder consisting of two special, single ladders hinged together at the top to form equal angles with the surface on which they stand. [Existing (J) relocated to new (M)]~~

~~(K) Ladder, Stepladder. A ladder having treads and so constructed as to be self-supporting. Ladder, Extension Trestle. A ladder consisting of an "A" or trestle ladder with an additional single ladder, which is supported in a vertical position by the "A" ladder. [Existing (K) relocated to (D)]~~

~~Ladder, Double Cleat. A ladder that is similar to a single cleat ladder, but is wider, with an additional center rail which will allow for two-way traffic for workers in ascending and descending. [Existing definition for "Ladder, Double Cleat" relocated to (B)]~~

~~(L) Ladder, Step stool. A self-supporting, collapsible, portable ladder, nonadjustable in length, 32 inches or less in overall size, with flat steps and without a pail shelf, designed to be climbed on the ladder top cap as well as all steps. The rails may continue above the top cap.~~

~~(M) Ladder, Trestle or "A." A ladder consisting of two special, single ladders hinged together at the top to form equal angles with the surface on which they stand.~~

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

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Article 12. Pile Driving and Pile Extraction

Amend Section 1600 as follows:

§1600. Pile Driving.

(j) Ring buoys shall be provided in accordance with Article 13 and located where readily available at intervals not exceeding 200 feet on all structures over water under the course of construction.

Where employees are concentrated in groups, there shall be additional ring buoys consisting of not less than 1 additional buoy for each 25 employees in that area. Portable standards or equivalent means to hold the ring buoys in plain view shall be provided. Life saving boats shall be provided in accordance with Article 13.

(k) Pile driving from barges and floats. Barges or floats supporting pile driving operations shall meet the requirements of Article 13. All floating rigs, with the exception of small work rafts or pontoons, shall be equipped with at least 2 ring buoys.

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

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Article 13. Work Over or Near Water

Amend Section 1602 as follows:

§1602. Work Over or Near Water.

(a) The following safety devices shall be provided for and used by employees at those locations where the danger of drowning exists:

EXCEPTION: Where employees are continuously protected by railings, nets, safety belts or other applicable provisions of these Orders.

(1) Personal Flotation Devices (PFD). Employees shall be required to wear U. S. Coast Guard approved personal flotation devices that are marked or labeled Type I PFD, Type II PFD, or Type III PFD, or a U.S. Coast Guard approved Type V PFD that is marked or labeled for use as a work vest for commercial use or for use on vessels.

(2) Ring Buoys. U. S. Coast Guard approved 30-inch ring buoys with at least 150 feet of 600 pound capacity line shall be readily available for emergency rescue operations. Distance between ring buoys shall not exceed 200 feet.

(3) Lifesaving Boats. One or more lifesaving boats, either manually or power-operated, shall be provided and readily accessible at all times. Lifesaving boats shall be properly maintained, ready for emergency use and equipped with oars and oarlocks attached to the gunwales, boathook, anchor, ring buoy with 50 feet of 600 pound capacity line and two life preservers in accordance with Section 1602(a)(1) and (2). Oars are not required on boats that are powered by an inboard motor.

(A) Where, because of swift current, lifeboats cannot be used, a line shall be stretched across the stream with tag lines or floating planks trailing in the water at intervals not to exceed 6 feet. If this is impracticable, some other arrangement for providing effective life lines near the water surface shall be provided.

(4) The employer shall ensure that there is in the vicinity of each barge in use at least one portable or permanent ladder which will reach from the top of the apron to the surface of the water. If the above equipment is not available at the pier, the employer shall furnish it during the time that the barge is in use.

(b) Provisions for rendering first aid and medical assistance shall be in accordance with General Industry Safety Orders, Section 3400.

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

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Article 13. Work Over or Near Water

Amend Section 1603 as follows:

§1603. ~~Walkways.~~ Access to or from Wharves, Floats, Barges, and/or Boats.

(a) Ramps for access of vehicles to or between barges shall be of adequate strength, provided with side boards, well maintained, and properly secured.

NOTE: See also Section 3337.

(b) Unless employees can step safely to or from the wharf, float, barge, or river towboat, either a ramp meeting the requirements of subsection (a), or a safe walkway shall be provided.

(c) ~~(a)~~ When dredge discharge pipe lines are used as walkways, they shall be provided with a flat surface walkway at least 12 inches wide, anchored to the pipe line to prevent displacement. A railing providing at least a single rail or taut rope 42 to 45 inches high shall be provided along one side. When rope is used, it shall be at least as strong as 3/4-inch diameter Manila or at least 3/8-inch diameter wire rope, or equivalent.

(d) ~~(b)~~ Catwalks or platforms shall be at least 20 inches wide with railings provided at all locations over bodies of water more than 4 feet deep. Plank for such use at those locations subject to immersion shall be rough sawn and treated to resist rot. Railings shall be installed in accordance with the provisions of Section 1620.

(e) When the upper end of the means of access rests on or is flush with the top of the bulwark, substantial steps properly secured and equipped with at least one substantial hand rail not less than thirty-four (34) inches or more than thirty-eight (38) inches above the tread nosing shall be provided between the top of the bulwark and the deck.

(f) Obstructions shall not be laid on or across the gangway, ramp, catwalk or other means of access.

(g) The means of access shall be adequately illuminated for its full length.

(h) Jacob's ladders shall be of the double rung or flat tread type. They shall be well maintained and properly secured.

(i) A Jacob's ladder shall either hang without slack from its lashings or be pulled up entirely.

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

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Article 13. Work Over or Near Water

Add new Section 1603.1 as follows:

§1603.1. Working Surfaces of Barges.

(a) Employees shall not be permitted to walk along the sides of covered lighters or barges with coamings more than 5 feet high unless there is a 3-foot clear walkway or a grab rail or a taut hand line is provided.

(b) Decks and other working surfaces shall be maintained in a safe condition as prescribed by Section 1511.

(c) Employees shall not be permitted to pass fore and aft, or over, or around deck loads, nor shall employees be permitted to walk over deck loads from rail to coaming, unless there is a safe passage.

(d) If it is necessary for an employee to stand at the outboard or inboard edge of the deck load where less than 36 inches of bulwark, rail, coaming, or other protection exists, the employee shall be provided with a suitable means of protection against falling from the deck load.

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