

**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

DRAFT  
for Advisory Committee Review

Amend Section 1504 to read as follows:

§1504. Definitions.

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Lumber.

(A) Douglas Fir or Equivalent. "Selected lumber" or other suitable material of proper size, having strength at least equal to the specified Douglas fir members.

(B) "Selected Lumber". Douglas fir that has been graded under standards as high as those followed by the West Coast Lumber Inspection Bureau or by the Western Wood Products Association as suitable for a bending stress of 1,500 psi.

(C) "Structural Plank."

1. Douglas fir graded for scaffold plank use and which has an allowable bending stress of at least 2,200 pounds per square inch (psi). Select structural scaffold plank, as described in Paragraph 171-b of the January 1, 2000 Standard Grading Rules No. 17, published by the West Coast Lumber Inspection Bureau and Scaffold No. 2 as described in Paragraph 58.12 of the 1998 Edition, of the Western Lumber Grading Rules published by the Western Wood Products Association, satisfy this definition.

2. Southern pine graded for scaffold plank use that meets the Standard Grading Rules for Southern Pine, effective July 1, 2002, Section 501 for Dense Industrial 72 Scaffold Plank and Section 502 for Dense Industrial 65 Scaffold Plank.

3. Other wood planking graded as scaffold plank that meets the scaffold plank grading rules of an agency approved by the American Lumber Standards Committee for the species of wood used.

Amendments for the definition of "Structural Plank" are proposed for committee consideration since Section 1637(f)(1) refers to this definition that implies only Douglas fir can be used for solid sawn scaffold planks.

(D) Size: Unless otherwise stated, the lumber sizes referred to in these Orders mean nominal sizes and thus include both the rough and dressed members of those nominal sizes.

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

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Amend Section 1637 (pertaining to the general requirements for scaffolding) to read:

§1637. General Requirements.

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(f) This subsection provides minimum design and construction requirements for scaffold planking, such as, manufactured platforms of wood (including laminated wood and solid sawn planks), metal planking, and planking manufactured from other materials.

(f)(1) ~~Except as specified in other Orders, all~~ All solid sawn planking shall be at least equivalent to 2-inch x 10-inch (nominal) lumber selected for scaffold grade plank as defined in Section 1504, Lumber -- "Structural Plank".

Committee to discuss if there are any unintended consequences of the strikeout language in subsection (f)(1).

(2) The maximum permissible spans for 2 x 10-inch (nominal) or 2 x 9-inch (rough) planks shall be as shown in the following Table:

Working ( <u>Live</u> ) Load (psf) .....	25	50	75
Permissible Span (ft.) .....	10	8	7

Committee to review fed/OSHA 1926 Subpart L, non-mandatory Appendix A, 1.(b)(i) Table for permissible wood plank spans and the permissible wood plank span Table in fed/OSHA 1910.28(a)(9) in that these Tables differ slightly from the above Table in subsection (f)(2).

(3) The design criteria for engineered wood planks, metal and/or composite (fabricated) planks and decking ~~Manufactured planks with spans in excess of 10 feet shall be as recommended by the manufacturer based on the maximum working loads provided in Section 1637(b)(2). labeled to indicate the maximum safe working load based on a safety factor of four. Employers shall instruct and require employees to follow the maximum span tables for such planking in accordance with the manufacturer's recommendations.~~

Note that the safety factor of 4 criteria is moved to proposed subsection (f)(6).

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(4) All laminated planks shall bear the seal of an independent, nationally-recognized inspection agency certifying compliance with the design criteria contained in this section.

Subsection (f)(4) is modeled after ANSI A10.8-2001, Section 5.2.10. The committee will discuss if the certification requirement is sufficiently clear. This language is modeled after the ANSI standard. Should this provision be applicable to all wood engineered planks such as pin locked planks made of individual wood components held together by hardened steel pins?

(5) All solid sawn wood planks shall be certified by, or bear the grade stamp of, a grading agency approved by the American Lumber Standards Committee.

~~(4)~~ (6) All decking and planking planks shall be capable of safely sustaining without failure its own weight and 4 times the maximum intended working (live) load applied or transmitted to it.

(7) The deflection at the center of wood or metal planking, including solid sawn wood planks, under design load shall not exceed 1/60 of the span.

Subsection (f)(7) is similar to ANSI A10.8-2001 Section 5.5.2. Committee will discuss the necessity of including metal planking in subsection (f)(7) since metal planking typically is not designed for deflection as great as 1/60 of the span.

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

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General Industry Safety Orders, Article 23. Mobile Ladder Stands and Scaffolds (Towers)

Amend Section 3622 to read as follows:

§3622. General.

(a) "All scaffolds shall be erected in accordance with the provisions of Article 21 of the Construction Safety Orders."

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(f) Work Levels.

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(5) The work level platform of scaffolds (towers) shall be made of wood, aluminum, or plywood planking, steel or expanded metal, for the full width of the scaffold, except for necessary openings. Work platforms shall be secured in place. All scaffold planking shall be ~~two-inch (nominal) Douglas Fir suitable for scaffold planks, or equivalent. Minimum allowable bending stress shall be 2,200 psi.~~

~~NOTE: Select structural scaffold plank, as described in Paragraph 171 b of the January 1, 2000 Standard Grading Rules No. 17, published by the West Coast Lumber Inspection Bureau and Scaffold No. 2 as described in Paragraph 58.12 of the 1998 Edition, of the Western Lumber Grading Rules published by the Western Wood Products Association, satisfy this requirement. meet the requirements of the Construction Safety Orders, Section 1637(f).~~

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

Existing Section 3622(f)(5) conflicts with itself indicating scaffold planking materials can be made of wood and other materials and then states that all planking must be Douglas fir. Also, is the term "plywood planking" appropriate for this subsection?