STANDARDS PRESENTATION
TO
CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD

TITLE 8, DIVISION 1, CHAPTER 4

Article 20. Temporary Floors

Amend Section 1635 to read:

§1635. Floors, Walls and Structural Steel Framed Buildings.

*****

(c) Special Provisions Applicable to Floor Openings. Section 1632(b) applies to floor openings at locations where steel erection work is taking place. This subsection applies where work is in progress that requires floor openings to be uncovered or created. For such work, all of the following requirements shall apply:

(1) The floor or working level where such work is in progress shall be under the exclusive control of the steel erection employer and shall be barricaded to prohibit entry by unauthorized personnel.

(2) The ~~floor area adjacent to the~~ floor opening shall be barricaded by guardrails, the cone and bar barricade (CBB) system or ~~the floor opening shall~~ be covered when not attended by steel erection personnel.

NOTE TO SUBSECTION (c)(2): See Appendix to Section 1635 for an illustration of the CBB system.

(A) Where the CBB system is used instead of a floor cover or guardrails, the materials for the CBB system shall consist of:

1. Cones that are high visibility green with a minimum nominal weight of 10 pounds per cone, minimum nominal height of 28 inches and labeled with 2 inch black lettering on both sides of the cone stating: "DANGER FLOOR OPENING".

2. Bars, plastic pipes or similarly rigid material that are a high visibility color in solid or pattern.

(B) The CBB system shall be installed and used as follows:

1. The cones shall be firmly connected to each other by bar, plastic pipe or a similarly rigid and substantial connecting medium. The bar shall be placed within 6 inches of the top of the cone.

TITLE 8, DIVISION 1, CHAPTER 4

2. Prior to creating the opening, the CBB system shall be set up and maintained at least 6 feet and no more than 10 feet from the entire unprotected edge of the opening until the task is completed or the opening is covered.

3. The CBB system shall remain in position and maintain its integrity for the duration of its use.

4. Employees setting up, walking inside or working inside the demarcated area shall be protected from falls using personal fall protection in accordance with Section 1670.

5. The CBB system shall not be used for falling object protection. Work shall be prohibited directly below the opening barricaded by the CBB system.

6. Unauthorized employees shall be prohibited from disturbing or entering an area demarcated by the CBB system.

7. Employees shall be trained in the proper set up and use of the CBB system. Training shall be documented in accordance with Section 3203(b).

(3) All planking and other materials used to cover floor openings shall be capable of safely supporting the greater of 400 pounds or twice the weight of the employees, equipment and materials that may be imposed on any one square foot area of the cover at any time. The cover shall have not less than 12 inches of bearing on the surrounding structure.

(4) All floor opening covers shall bear a sign stating, "OPENING-DO NOT REMOVE", in 2 inch high, black bold letters on a yellow background.

(5) The placement of covers and the CBB system shall be verified by a qualified person prior to each shift and following strong wind conditions.

(6) Workers shall be instructed on and required to adhere to the following:

(A) Keep covers in place when not engaged in work requiring the opening to be uncovered, and

(B) Never remove a cover by walking forward or by stepping into an area where they cannot directly observe the surface their feet will touch.

TITLE 8, DIVISION 1, CHAPTER 4

(7) After work requiring floor openings to be uncovered has been completed and prior to allowing other trades in the work area, the guarding and covers for floor openings shall meet the provisions of Section 1632(b).

NOTE: Authority cited: Section 142.3, Labor Code. Reference: Sections 142.3, 7101, 7102, 7103, 7104, 7105, 7107, 7108, 7109, 7251, 7252, 7253, 7254, 7255, 7256, 7257, 7258, 7259, 7261, 7262, 7263, 7264, 7265 and 7266, Labor Code.

TITLE 8, DIVISION 1, CHAPTER 4

Add new Appendix to section 1635 to read:

Appendix to Section 1635

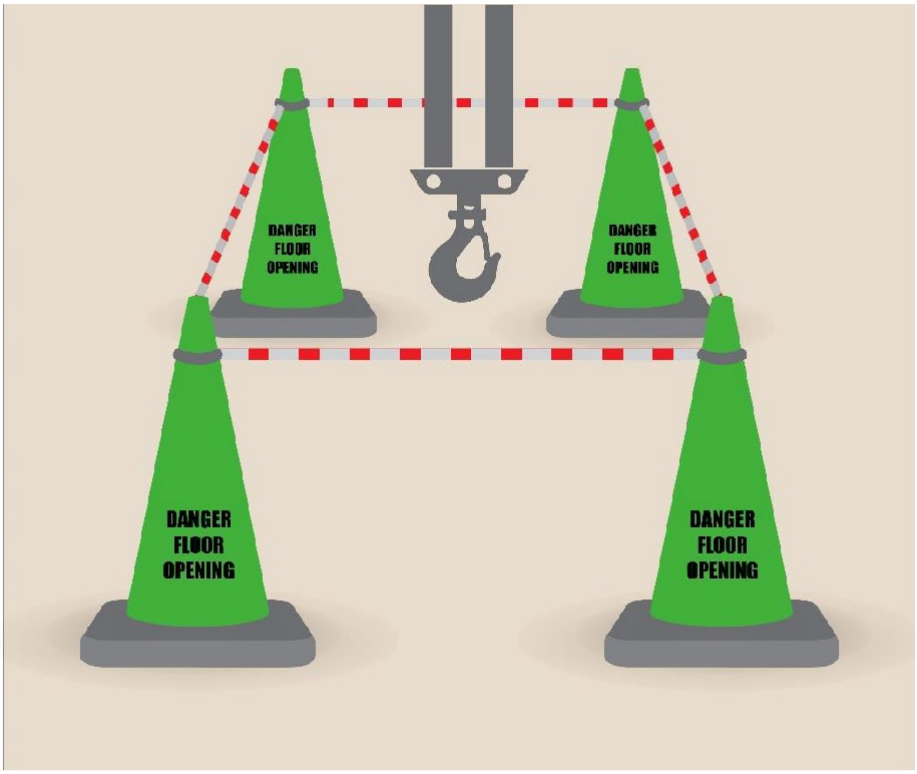

Figure 1635-1. Cone and Bar Barricade (CBB System)

Note: Cone and Bar Barricade requires the use of cones, bars and means of tying off for personal fall protection. The hook represents the requirement to provide personal fall protection.

TITLE 8, DIVISION 1, CHAPTER 4

Figure 1635-2. CBB System In-Use

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