

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

PROPOSED STATE STANDARD,  
TITLE 8, CHAPTER 4

Amend Section 3089(d) to read:

**§3089. Construction Requirements.**

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(d) Balustrades.

(1) A solid balustrade shall be provided on each side of the moving steps. The balustrade on the step side shall have no areas or moldings depressed or raised more than 1/4 inch from the parent surface, except when skirt deflection devices, such as brushes, are used per Section 3089(d)~~(7)~~ (6). Such areas or moldings shall have all boundary surfaces beveled unless parallel to the direction of travel.

(2) Safety glass or plastic panels, if used in balustrades, shall conform to the requirements of ANSI Z97.1, except that there shall be no requirement for the panels to be transparent.

EXCEPTION: Plastic material bonded to a basic supporting panel.

~~(3) The clearance on either side of the steps between the steps and the adjacent skirt guard shall be not more than 1/4 inch and the sum of the clearances on both sides shall be not more than 3/8 inch.~~

~~(4)~~ The width between the balustrades in the direction of travel shall not be changed abruptly nor by more than 8 percent of the greatest width. In changing from the greater to the smaller width, the maximum allowable angle of change in the balustrading shall be 15 degrees from the line of travel.

~~(5)~~ (4) A solid guard shall be provided in the intersecting angle of the outside balustrade (deck board) and the ceiling or soffitt.

EXCEPTION: Where the intersection of the outside balustrade (deck board) and the ceiling or soffitt is more than 24 inches from the center line of the handrail.

(A) The vertical face of the guard shall project at least 14 inches horizontally from the apex of the angle. On existing installations the vertical face of the guard shall be not less than 6 inches.

(B) *The exposed edge of the guard shall be rounded to eliminate shear hazard.* Guards may be glass or plastic, provided they meet the requirements of Section 3089(d)(2).

~~(6)~~ (5) Existing escalators shall comply with the following:

(A) Skirt deflection devices to protect against the accidental entrapment of body parts, clothing, shoes, etc., shall be installed; or

(B) Clearances between the skirt and the step shall comply with ASME A17.1-1996, Rule 802.3e, hereby incorporated by reference; and the skirt panel shall comply with ASME A17.1-1996, Rule 802.3f, hereby incorporated by reference.

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Attachment No. 1

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(C) The escalator shall be inspected by the Division, following the completion of Section 3089(d)~~(6)~~(5)(A) or (B), and a new permit to operate issued. Escalator owners shall have three years from April 1, 2000 to comply with Section 3089(d)~~(6)~~(5).

~~(7)~~ (6) If provided, the skirt deflection device shall comply with the following:

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