

COUNTY OF PLACER

Community Development / Resource Agency

COMMERCIAL STAIRWAYS

BUILDING

CBC §1009 & 1133B.4

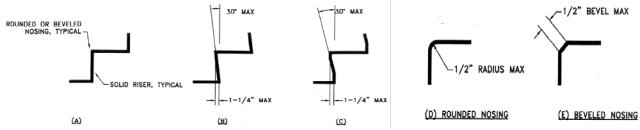
In order to be considered an accessible means of egress, an exit stairway shall have a clear width of 48 inches in non-sprinklered buildings. In buildings with automatic sprinklers the minimum width of a stairway is 44 inches. *Exception*: Stairways serving an occupant load of less than 50 shall have a width of not less than 36 inches.

Headroom: Stairways shall have a minimum headroom clearance of 80 inches measured vertically from a line connecting the edge of the nosings. The minimum clearance shall be maintained the full width of the stairway and landings.

Stair treads & risers: Stair riser heights shall be 7 inches maximum and 4 inches minimum. Stair tread depths shall be 11 inches minimum. The riser height shall be measured vertically between the leading edges of adjacent treads. The tread depth shall be measured horizontally between the vertical planes of the foremost projection of adjacent treads and at a right angle to the tread's leading edge.

Dimensional uniformity: Stair treads and risers shall be of uniform size and shape. Where the bottom or top riser adjoins a sloping public way, walkway or driveway having an established grade and serving as a landing, the bottom or top riser is permitted to be reduced along the slope to no less than 4 inches in height, with the variation in height of the bottom or top riser not to exceed one vertical unit in 12 units horizontal of stairway width. The nosings or leading edges of treads at such nonuniform height risers shall have a distinctive marking stripe which shall be visible in descent of the stair and shall have a slip-resistant surface.

Profile: The radius of curvature at the leading edge of the tread shall be not greater than 0.5 inch. Beveling of nosings shall not exceed 0.5 inch. Risers shall be solid and sloped from the underside of the leading edge of the tread above at an angle not more than 30 degrees from vertical. The leadings edge (nosings) of treads shall project no more than 1.25 inches beyond the tread below.

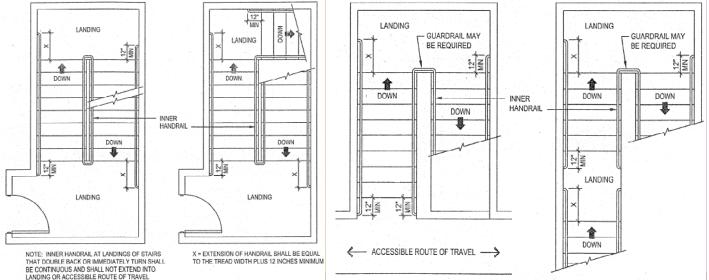


Landings: There shall be a floor or landing at the top and bottom of each stairway. The width of landings shall not be less than the width of stairways they serve. Every landing shall have a minimum dimension measured in the direction of travel equal to the width of the stairway. Such dimension need not exceed 48 inches where the stairway has a straight run. Doors opening onto a landing shall not reduce the landing to less than one-half the required width. When fully open, the door shall not project more than 7 inches into a landing.

Walking surface: The walking surface of treads and landings shall not slope more than 2%.

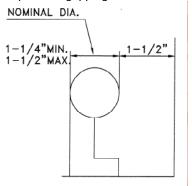
Vertical rise: A flight of stairs shall not have a vertical rise greater than 12 feet between floor levels or landings.

Handrails: Stairways shall have handrails on each side. Handrails shall be continuous along both sides of a stairway. The top of handrail gripping surface shall be mounted between 34 to 38 inches above the nosing of the treads. Handrails projecting from a wall shall have a space of 1½ inches between the wall and the handrail.

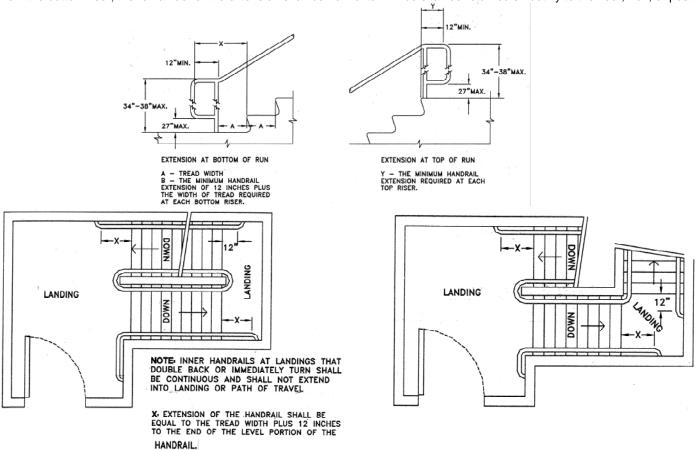


Web Site Address: http://www.placer.ca.gov
Email: building@placer.ca.gov

Handgrips: The handgrip portion of handrails shall be not less than 1½ inches or more than 1½ inches in cross-sectional nominal dimension or the shape shall provide an equivalent gripping surface.



Extensions: Handrails shall extend a minimum of 12 inches plus the tread width beyond the bottom nosing. The top extension shall be parallel with the floor or ground surface. At the bottom, the handrail shall continue to slope for a distance of the width of one tread from the bottom riser; the remainder of the extension shall be horizontal. Ends shall be returned smoothly to the floor, wall, or post.



Striping: Interior stairs shall have the upper approach and lower tread marked by a stripe providing clear visual contrast. Exterior stairs shall have the upper approach and all treads marked by a stripe providing clear visual contrast.

