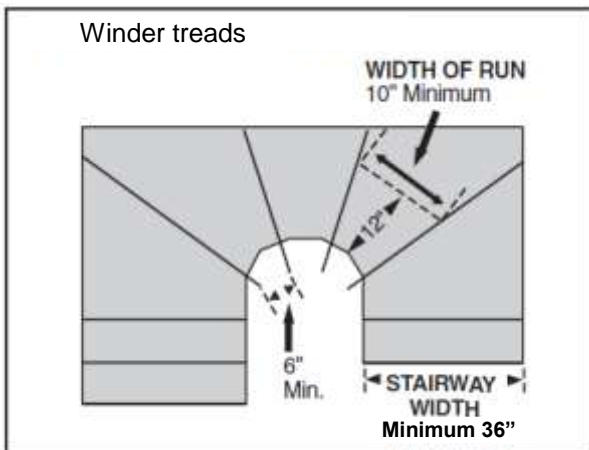
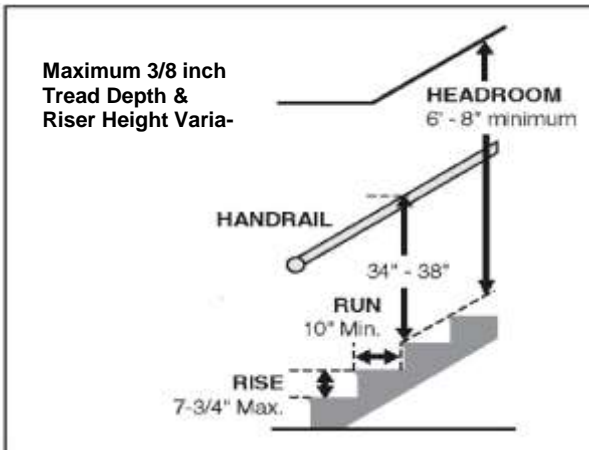
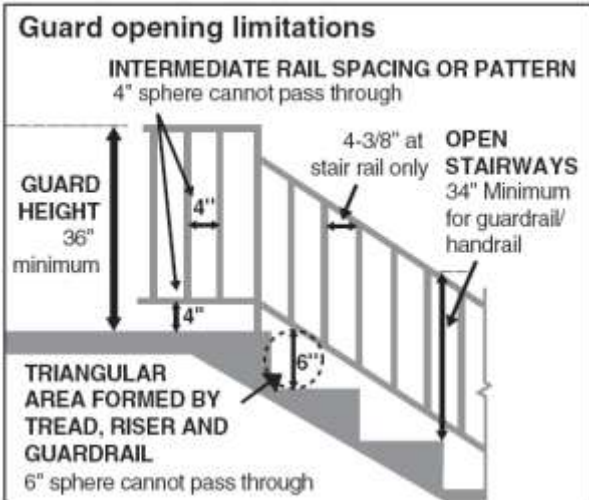


# Residential Stairs/Ramps/Handrails



## Width

Stairways shall not be less than 36 inches wide. The handrail may enter a maximum of 4-1/2 inches into this dimension. If placing two handrails

on a stairway, maintain a minimum of 27 inches.

## Rise and Run

Maximum riser height shall be 7-3/4 inches. Open risers are permitted, provided that the opening between treads does not exceed 4 inches.

This does not apply if less than 30 inches above floor or grade. The minimum tread depth shall be 10 inches.

## Dimensional tolerances

The largest tread depth or riser height within any stairway shall not exceed the smallest by more than 3/8 inch.

## Landings

There shall be a floor or landing at the top and bottom of each stairway. Every landing shall have a minimum dimension of 36 inches measured in the direction of travel.

## Headroom

Every stairway shall have a headroom clearance of not less than 6 feet

8 inches. The minimum headroom in all parts of the stairway may not

be less than 6 feet 8 inches. This is measured vertically from the sloped plane adjoining the tread nosing's or from the floor surface of the landings.

## Under stair protection

Enclosed accessible space under stairs shall have walls, under stairs surface and any soffits protected on the enclosed side with 1/2 inch gypsum board.

## Illumination

All interior and exterior stairways must be illuminated.

## Ramps

Ramps shall have a maximum slope of one in twelve. It shall have min. 3'x 3' landing at the top and bottom of the ramp, where the door opens onto the ramp and when the ramp changes direction. Hand rails shall be provided on one side. Handrails shall be continuous for the full length of the ramp, rail ends shall terminate into newel posts or return into the wall.

## Handrails

### Required at four or more risers.

The top shall be placed not less than 34 inches, no more than 38 inches,

above the nosing of the treads. Ends shall be returned or terminated in

newel posts or safety terminals.

All required handrails shall be continuous for the full length of the stairs from a point directly above the top riser of the flight to a point directly above the lowest riser of the flight.



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