

Figure D-7 - Door or Gate Opening on Stairway

(b) *Standard stairs.* In addition to paragraph (a) of this section, standard stairs must:

- (1) Be installed at angles between 30 and 50 degrees from the horizontal;
- (2) Have a maximum riser height of 9.5 inches (24 cm);
- (3) Have a minimum tread depth of 9.5 inches (24 cm), except when open risers are used; and

- (4) Have a minimum width of 22 inches (56 cm) between vertical barriers.

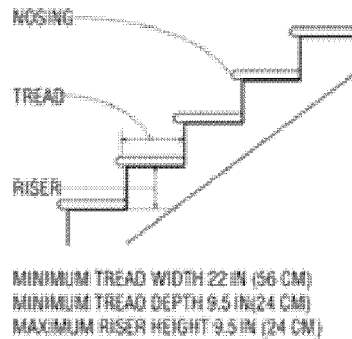


Figure D-8 -- Dimensions of Standard Stairs

(c) *Spiral stairways.* In addition to paragraph (a) of this section, spiral stairways must have:

- (1) A clear width not less than 26 inches (66 cm);
- (2) Risers with a maximum height of 9.5 inches (24 cm);
- (3) A minimum headroom above the spiral stairway of 6 feet, 6 inches (2 m)

- measured vertically from the center of the leading edge of the tread;
  - (4) Treads with a minimum depth of 7.5 inches (19 cm) at a point 12 inches (30 cm) from the narrowest edge; and
  - (5) Uniform size treads.
- (d) *Ship stairs.* In addition to paragraph (a) of this section, ship stairs must:

- (1) Be installed at a slope of 50 to 70 degrees from the horizontal;
- (2) Have open risers; and
- (3) Have treads with a minimum depth of 4 inches (10 cm), a minimum width of 18 inches (46 cm), and a vertical rise between tread surfaces in the range of 6.5 to 12 inches (17 to 30 cm).