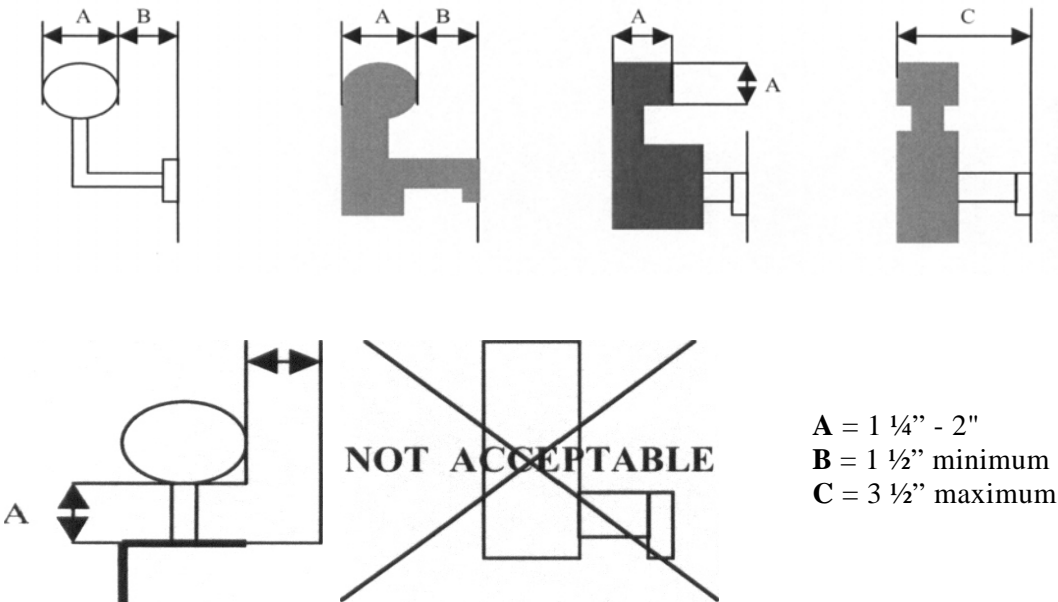


HANDRAIL REQUIREMENTS

- Handrails shall be no less than 34" and no more than 38" above the nosing of the treads.
- At least one handrail must extend 12" beyond the top and bottom risers. *Exception*; private stairways need not have extensions.
- Handrails shall terminate in newel posts or safety terminals (the upright posts which support the handrail of a stair banister).
- Handrails shall be continuous.
- Handrails shall be provided for all stairways having four or more risers.
- Private stairways may have a handrail on only one side.
- Handrails projecting from a wall shall have a space of not less than 1" and no more than 2" in cross-sectional dimension and shall have a smooth surface with no sharp corners.

ACCEPTABLE HANDRAIL DETAILS



OTHER SHAPES MAY BE ACCEPTABLE IF IT PROVIDES AN EQUIVALENT GRIPPING SERVICE

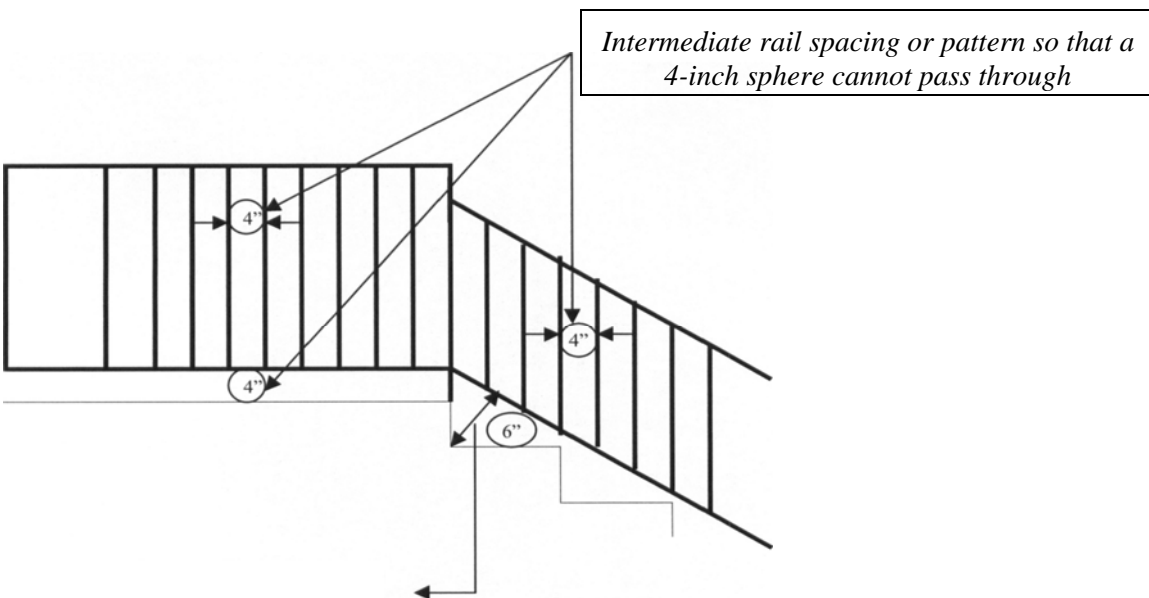
GUARDRAIL REQUIREMENTS

Residential (Single Family)

36" minimum height
 Maximum spacing 4"
 Maximum 4-3/8" spacing at stairs

Commercial (includes apartments)

42" minimum height
 Maximum spacing 4"



LANDINGS

Residential (Single Family)

- Stairs shall have a $\frac{3}{4}$ " to 1 $\frac{1}{2}$ " nosing unless the tread depth is a minimum of 11"
- A door may open at the top step on an interior flight of stairs, provided the door does not swing over the stair.
- A door may open at a landing that is not more than 7 $\frac{1}{2}$ " lower than the floor level provided the door does not swing over the landing.
- Screen doors and storm doors may swing over stairs, steps or landings.

Commercial (includes apartments)

- The length of landings shall not be less than the width of the stair but need not exceed 44" on a straight run.
- There shall be a landing at the top and bottom of each set of stairs.
- The landing shall be a maximum of 1" lower than the threshold of a door ($\frac{1}{2}$ " providing handicap access).

STAIR REQUIREMENTS

Residential

6' 8" Headroom

7-3/4" Maximum Rise

10" Minimum Run (nosing to nosing)

Commercial (Includes Apartments)

6' 8" Headroom

7" Maximum Rise

4" Minimum Rise

11" Minimum Run (nosing to nosing)

