# Residential Stairway Requirements 2007 CBC 

Landings at doors


All fandings are to be sloped a maximum of $1 / 4^{\prime \prime}$ per foot to drain water:

Minimum width equal


## Stairways and Handrails

Note: Winding, circular or spiral stairvays have special requirements not covered in this handout.

Equal to width of stairs but need not exceed $\sqrt{ } \mathbf{8 8}^{\prime \prime}$.


Private staitways and landings are required to be a minimum of $36^{\prime \prime}$ in width. Hiandrails are required on one side of an interior stairway and continuous between landings. Stairways with less than 4 risers are not required to have handrails.

## Door swings in

Exterior doors are required to open directly onto a landing. When the door swings inward, the landing may be stepped down from the top of the door threshold a maximum of $7.75^{\prime \prime}$.


Door swings out

Exterior doors are required to open directly onto a landing. When the door swings out over the landing, the the step down from the top of the threshold must not exceed $1 / 2^{\prime \prime}$.

## Landing



The handgrip portion of handrails shall be round and not less than $1-1 / 4^{\prime \prime}$ or more than $2^{\prime \prime}$ in cross-sectional dimension. If not round then the handgrip portion must have a 2-1/4" maximum cross section and a perimeter of 4 " minimum to 6.25" maximum.

The handgrip portion of handrails shall have a smooth surface with no slharp corners. Other shapes may be acceptable if they provide an equivalent gripping.

When the run is less than 11 inches Nosing 3/4" to $1-1 / 4^{\prime}$ with a solid riser, a nosing is required.


Maximum 1/2" radius.
$\square$

If there is not a solid riser, the opening between the treads must not permit a 4 " sphere to pass.

On landings and decks and similar platforms more than $30^{\prime \prime}$ above grade, the vertical or horizonta rails must be spaced so a $4^{\prime \prime}$ sphere cannot pass through.

The largest tread width or riser height within any flight of stairs may not exceed the smallest by more than $3 / 8^{\circ \prime}$.


