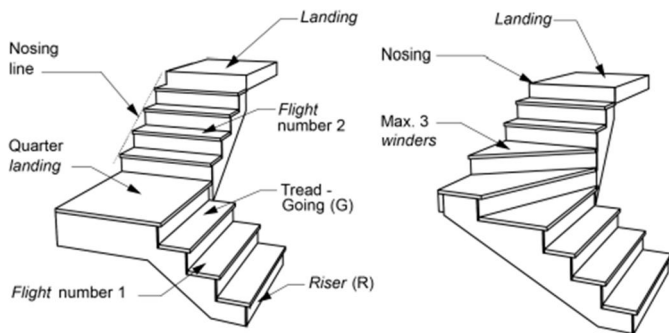


# STAIR CONSTRUCTION

This fact sheet provides some general information relating to stair construction. For more detailed information refer to Part 3.9.1 of the National Construction Code, Volume 2 or speak to your Local Certifier.

- A flight of stairs must have between 2 and 18 risers.



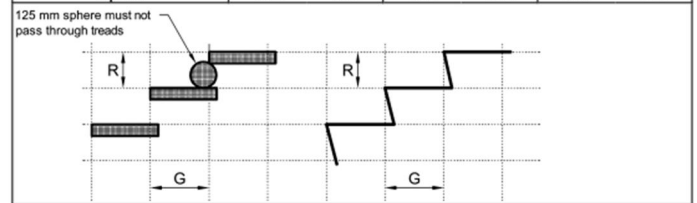
(a) Quarter landing stairway - 2 flights

(b) Continuous stairway - 1 flight (90° change in direction)

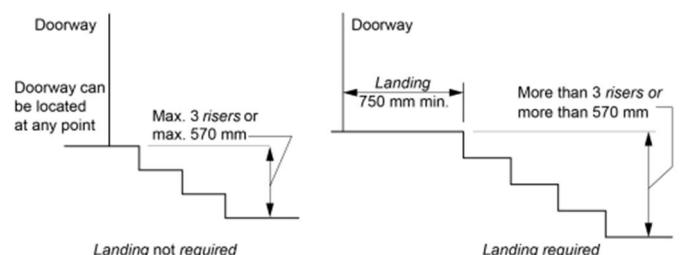
- The goings and risers of a stair must be constant throughout each stair flight.
- The going of winders may vary from the going of the straight treads within the same flight so long as the going of all winders is constant.
- Treads must be of solid construction (not mesh or other perforated material) if the stairway is more than 10m high or connects more than 3 storeys.
- A flight of stairs must not have more than 3 winders in lieu of each quarter landing or 6 winders in lieu of each half landing.
- Any openings to risers must not be more than 125mm.
- Treads must have a slip resistance finish or nosing strip.

- Landings must be:
  - Provided where the step down exceeds 3 risers or 570mm;
  - 750mm long;
  - Have a gradient of 1:50.
- Risers shall be between 115-190mm.
- Goings shall be between 240-355mm.
- The slope relationship (i.e.  $2R + G$ ) must be between 550-700mm.

STAIR TYPE	RISER (R) (see Figure below)		GOING (G) (see Figure below)		SLOPE RELATIONSHIP (2R+G)	
	Max	Min	Max	Min	Max	Min
Stairs (other than spiral)	190	115	355	240	700	550
Spiral	220	140	370	210	680	590



- Where a threshold of a doorway is more than 230mm above the adjoining surface, it must incorporate steps in accordance with 3.9.1.2.



This information has been prepared as a guide only. Local Management Services Pty Ltd is not accountable for any loss suffered by any party due to the unauthorised use of this information or any reliance on these details.