

Section 8 Stairways

8.1 Stair construction

Where required, stairs shall be constructed as follows:

- (a) Where the intersection is at the property boundary, the stair shall be set back by a minimum of 900 mm so that the handrail (in accordance with [Clause 9](#)) and TGSIs do not protrude into the transverse path of travel, as shown in [Figure 26\(A\)](#).
- (b) Where the intersection is not at the property boundary, the stair shall be located so that the handrail does not protrude into the transverse accessway. See [Figure 26\(B\)](#).

NOTE 1 Examples of stair handrail terminations are given in [Figures 26\(C\)](#) and [26\(D\)](#).

- (c) Stairs shall have opaque risers.
- (d) Stair nosings shall not project beyond the face of the riser and the riser may be vertical or have a splay backwards up to a maximum 25 mm, as shown in [Figures 27\(A\)](#) and [27\(B\)](#).
- (e) Stair nosing profiles shall —
 - (i) have a sharp intersection;
 - (ii) be rounded up to 5 mm radius; or
 - (iii) be chamfered up to 5 mm × 5 mm.
- (f) At the nosing, each tread shall have a single strip (not multistrip) not less than 50 mm and not more than 75 mm deep across the full width of the path of travel. The single strip shall be of a continuous colour. The strip may be set back a maximum of 15 mm from the front of the nosing. The strip shall have a minimum luminance contrast of 30 % to the background (see [Figure 27\(C\)](#)). Where the luminous contrasting strip is affixed to the surface of the tread, any change in level shall be in accordance with [Figure 6\(a\)](#).

NOTE 2 See [Appendix B](#) for information on the determination of luminance contrast.

- (g) Where the luminance contrasting strip is not set back from the front of the nosing then any area of luminance contrast shall not extend down the riser more than 10 mm.
- (h) TGSIs shall be installed in accordance with AS 1428.4.1.

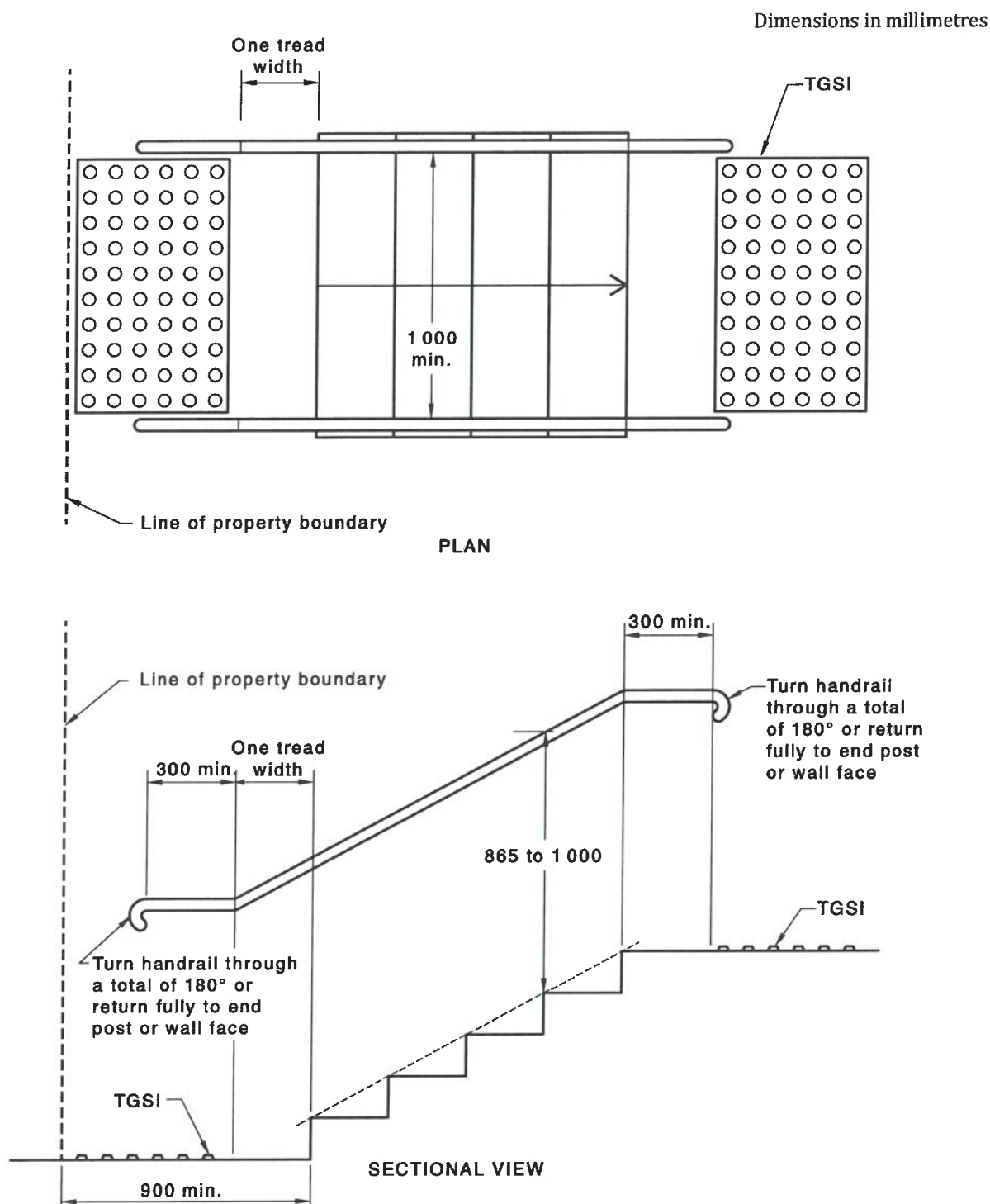


Figure 26(A) — Stairway location and handrail extensions at boundary

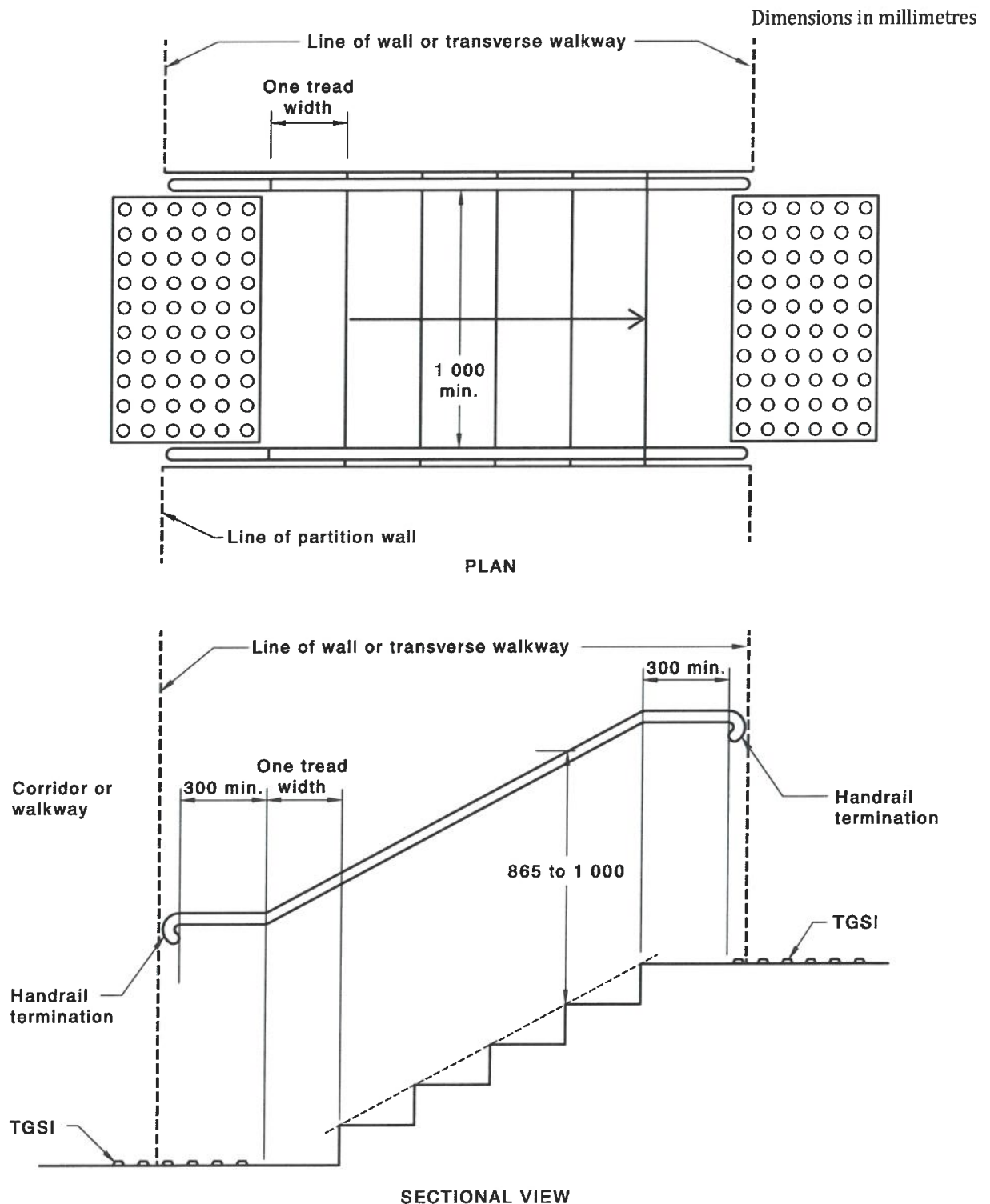
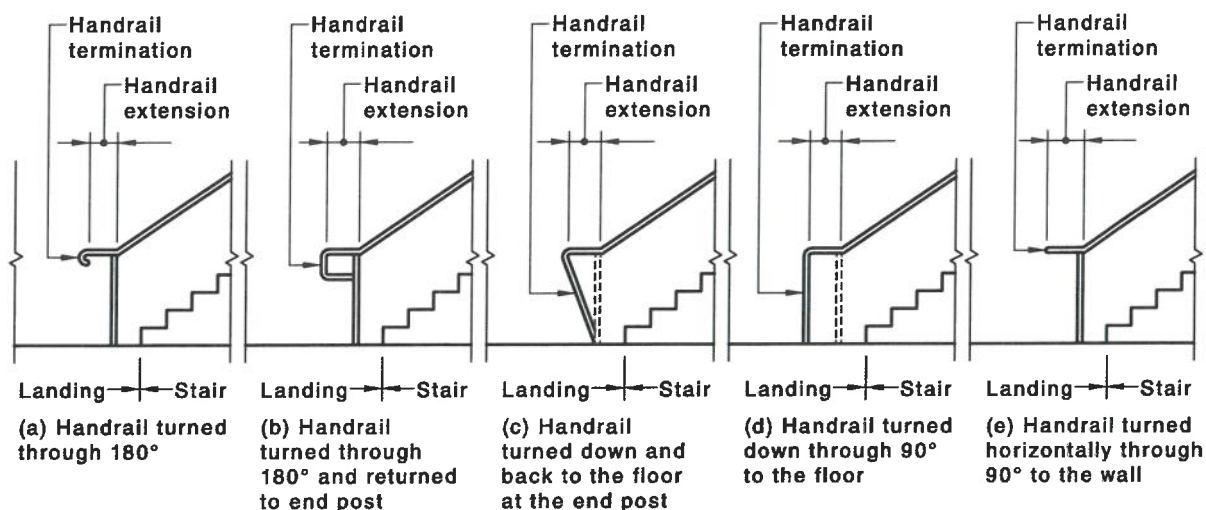
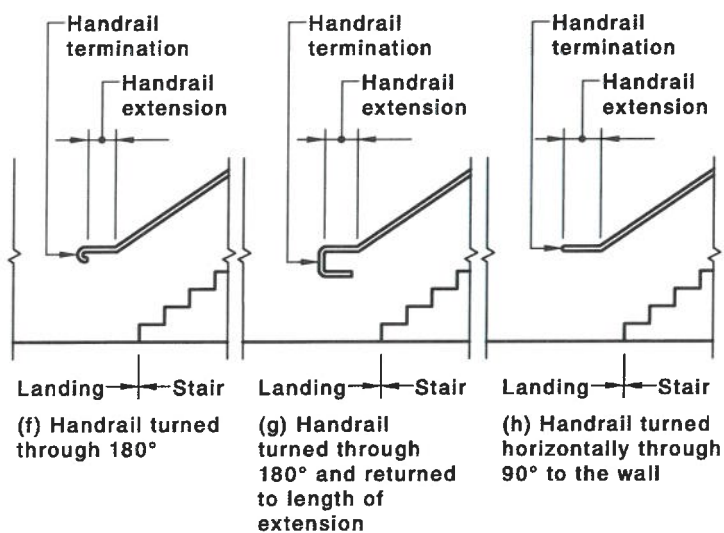


Figure 26(B) — Stairway location and handrail extensions at end of stairway other than at line of boundary



Side elevations

(a) Examples of post mounted handrails



Side elevations

(b) Examples of wall mounted handrails

Figure 26(C) — Stair handrails — Examples of handrail terminations

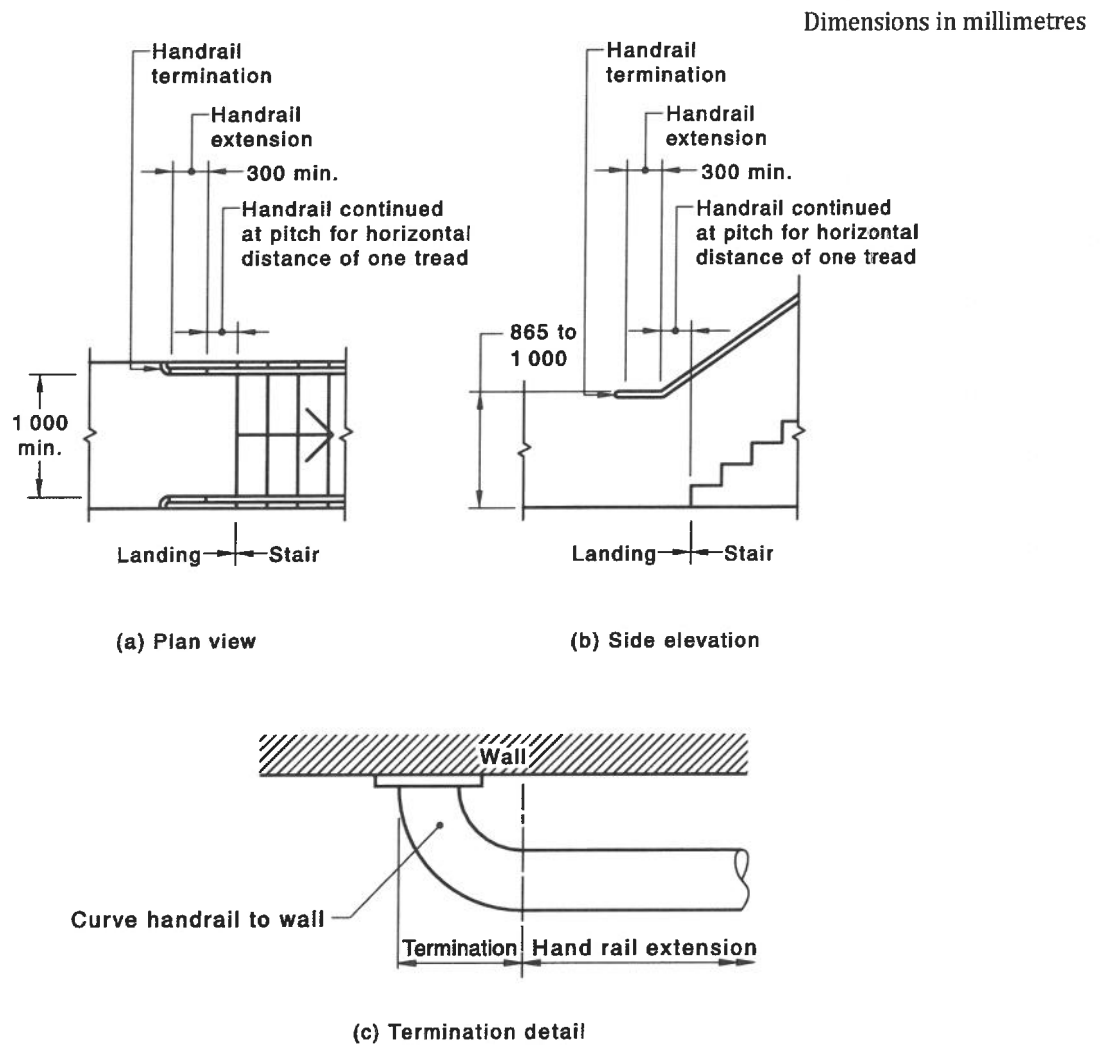
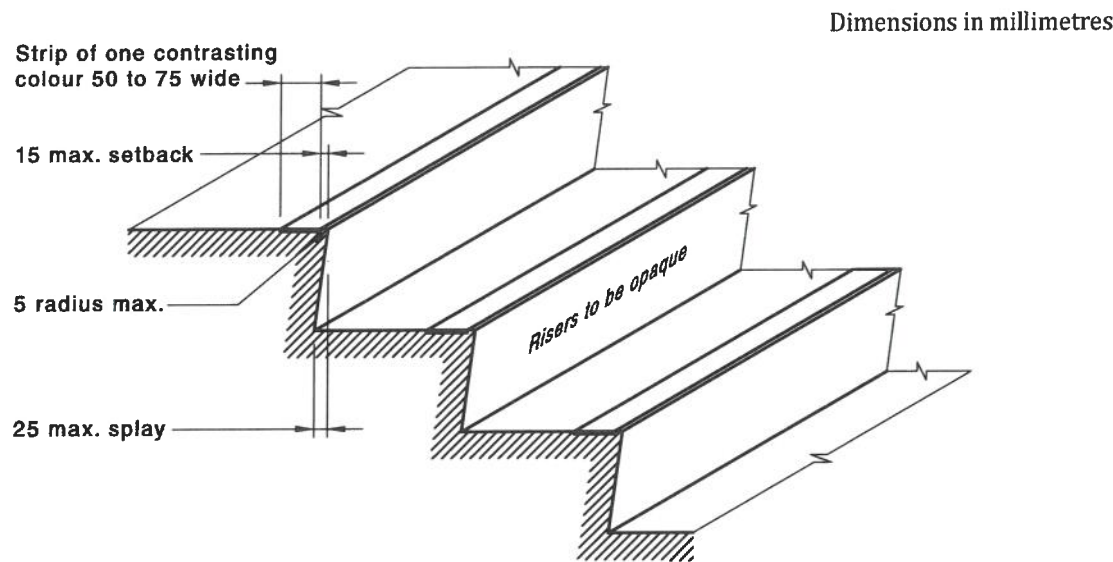


Figure 26(D) — Example of detail for handrails terminated by turning horizontally through 90° to the wall



NOTE A chamfered nosing 5 × 5 mm may be used.

Figure 27(A) — Typical stair nosing profile with nosing strip

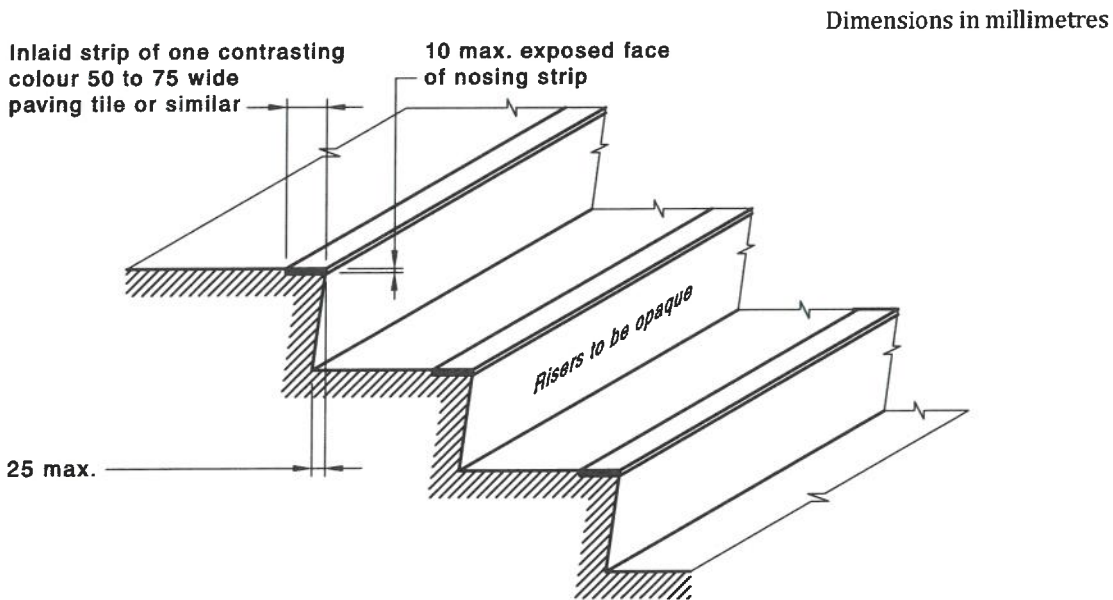


Figure 27(B) — Typical stair nosing profile with exposed nosing strip

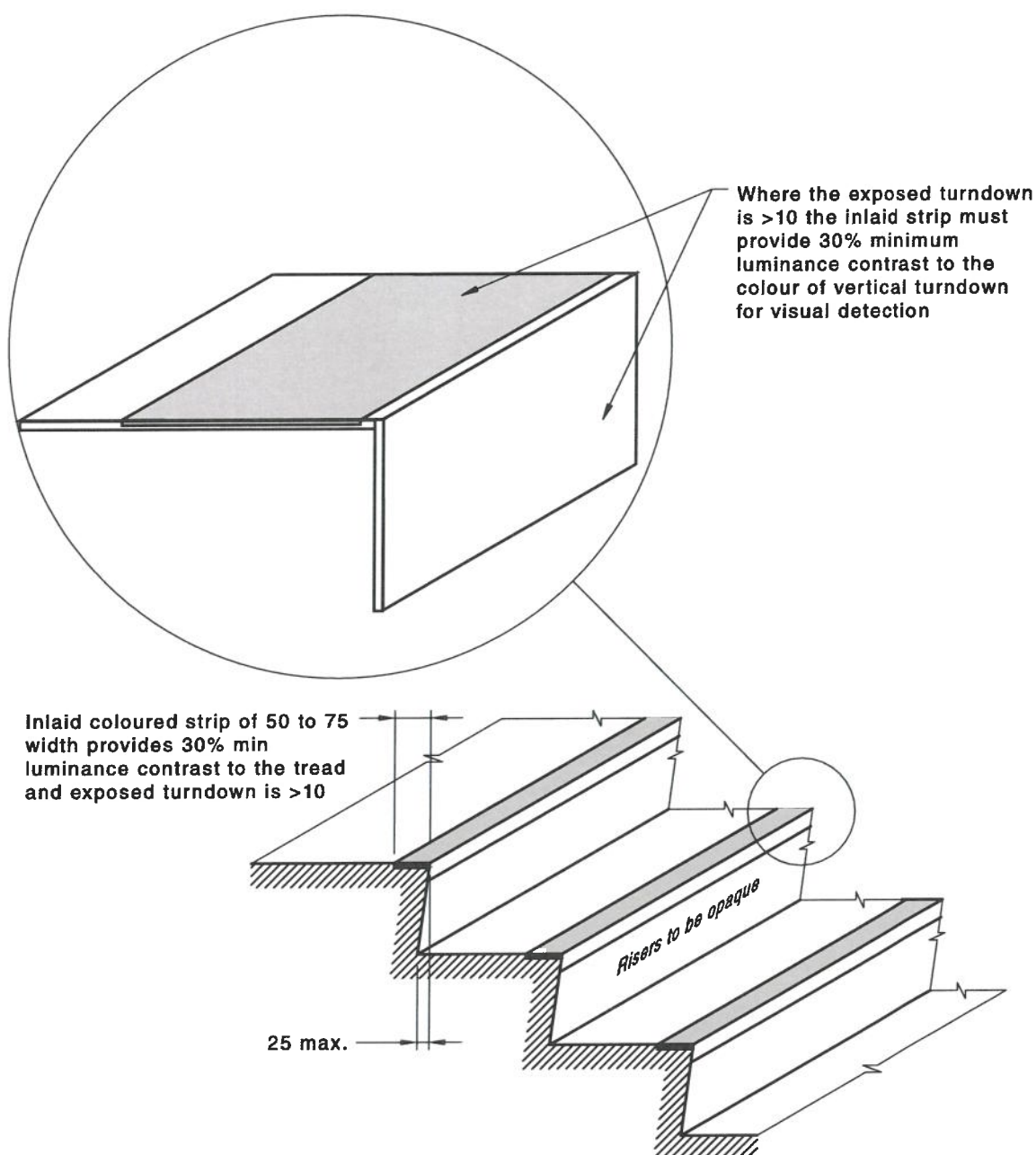


Figure 27(C) — Typical stair nosing profile

8.2 Stairway handrails

Handrails shall be continuous throughout the stair flight and, where practicable, around landings (see [Figure 28](#)) and have no obstruction on or above up to a height of 600 mm and as follows:

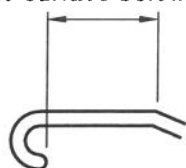
- (a) The design and construction of handrails shall be in accordance with [Clause 9](#).
- (b) Handrails shall be installed on both sides of the stairs and as shown in [Figures 26\(A\)](#) and [26\(B\)](#).
- (c) Handrails shall have no vertical sections and shall follow the angle of the stairway nosings, as shown in [Figure 28](#) (a).

- (d) Where a handrail terminates at the bottom of a flight of stairs, the handrail shall extend at least one tread depth parallel to the line of nosings plus minimum of 300 mm horizontally from the last riser (see [Figure 28](#) (a)).
- (e) The handrail shall extend a minimum of 300 mm horizontally past the nosing on the top riser.
- (f) Where the handrail is continuous, the 300 mm extension is not required in the inner handrail at intermediate landings as shown in [Figure 28](#) (b).
- (g) The dimensions indicating the heights of handrails shall be taken vertically from the nosing of the tread to the top of the handrail or from the landing to the top of the handrail and where the handrail continues across a landing the height may vary in accordance with [Clause 9\(e\)](#).

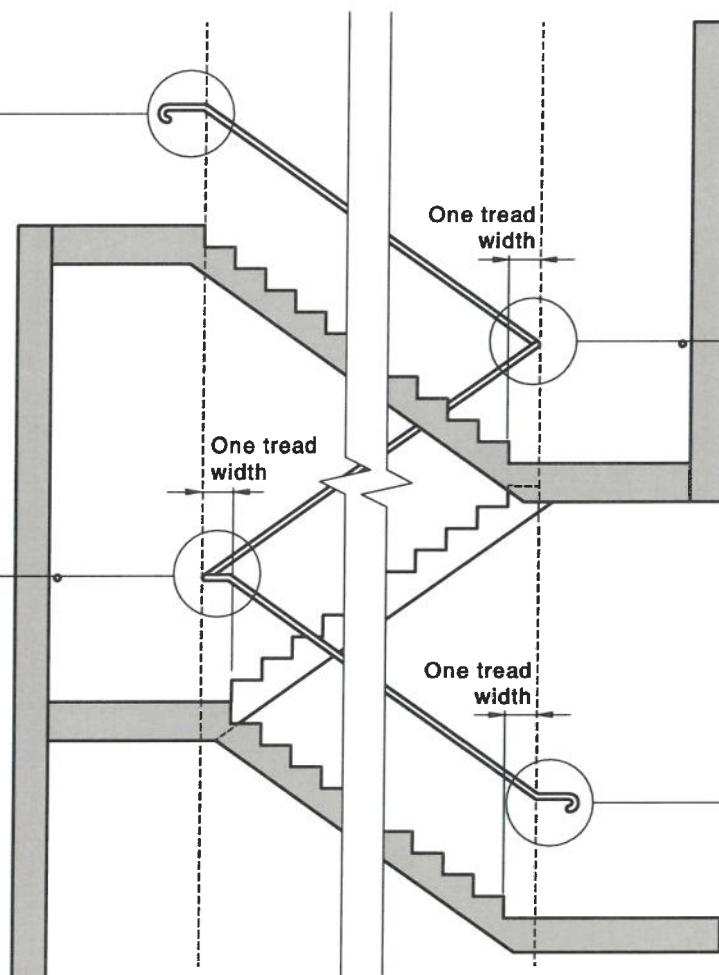
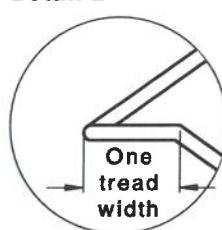
Dimensions in millimetres

Detail D

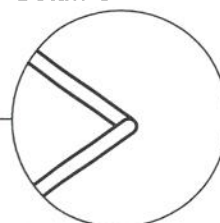
Extended handrail
300 min. parallel
to surface below



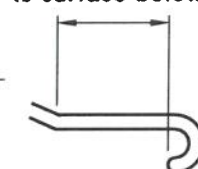
Turn handrail
through a total
of 180° or return
fully to end post
or wall face

Detail B

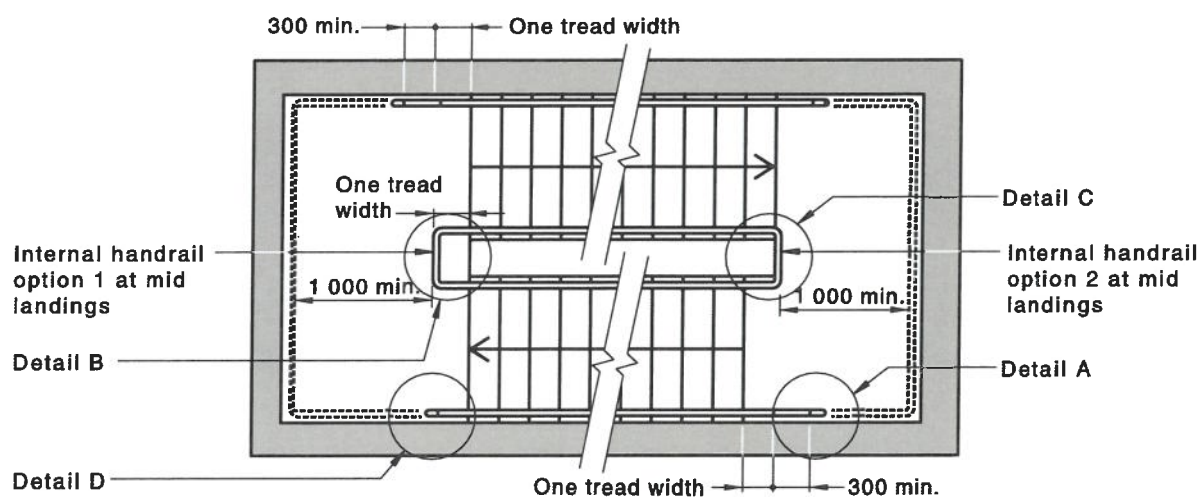
(a) Sectional elevation

Detail C**Detail A**

Extended handrail
300 min. parallel
to surface below



Turn handrail
through a total
of 180° or return
fully to end post
or wall face



(b) Plan

Figure 28 — Handrails to stairs with intermediate landings