

## Latest References for Guardrailing

### **Occupational Health and Safety Regulations 1996**

#### Part 3 Division 5 – Prevention of Falls at Workplaces

##### **3.55 Edges of scaffolds, slabs etc**

1. A person who at a workplace, is an employer, the main contractor, a self-employed person or a person having control of the workplace must ensure that edge protection that complies with subregulation (5) is provided and kept in place whenever there is a risk that a person could fall 2 or more metres from the edge of —
  - a) a scaffold, fixed stair, landing or suspended slab at the workplace; or
  - b) a formwork or falsework at the workplace.
  
2. A person who, at a workplace, is an employer, the main contractor, a self-employed person or a person having control of the workplace must ensure that either —
  - a. edge protection that complies with subregulation (5) is provided and kept in place whenever there is a risk that a person could fall 3 or more metres from an edge at the workplace other than an edge referred to in subregulation (1); or
  - b. a fall injury prevention system is provided and in operation whenever there is a risk that a person could fall 3 or more metres from an edge at the workplace other than an edge referred to in subregulation (1).
  
5. Edge protection must have —
  - a) a top rail —
    - i) positioned not less than 900 mm and not more than 1100 mm above the working surface; and
    - ii) that is capable of withstanding a force of 0.55 kN applied to any point of the guard rail system; and
  - b) either —
    - i) a mid rail and a toe board; or
    - ii) a toe board and a mesh panel that comprises wire that is not less than 3 mm in diameter and apertures not greater than 75 mm x 50 mm and that fills the space between the top rail and the toe board.

## Latest References for Guardrailing

### AS 1657:2013 - Fixed platforms, walkways, stairways and ladders

Design, construction and Installation

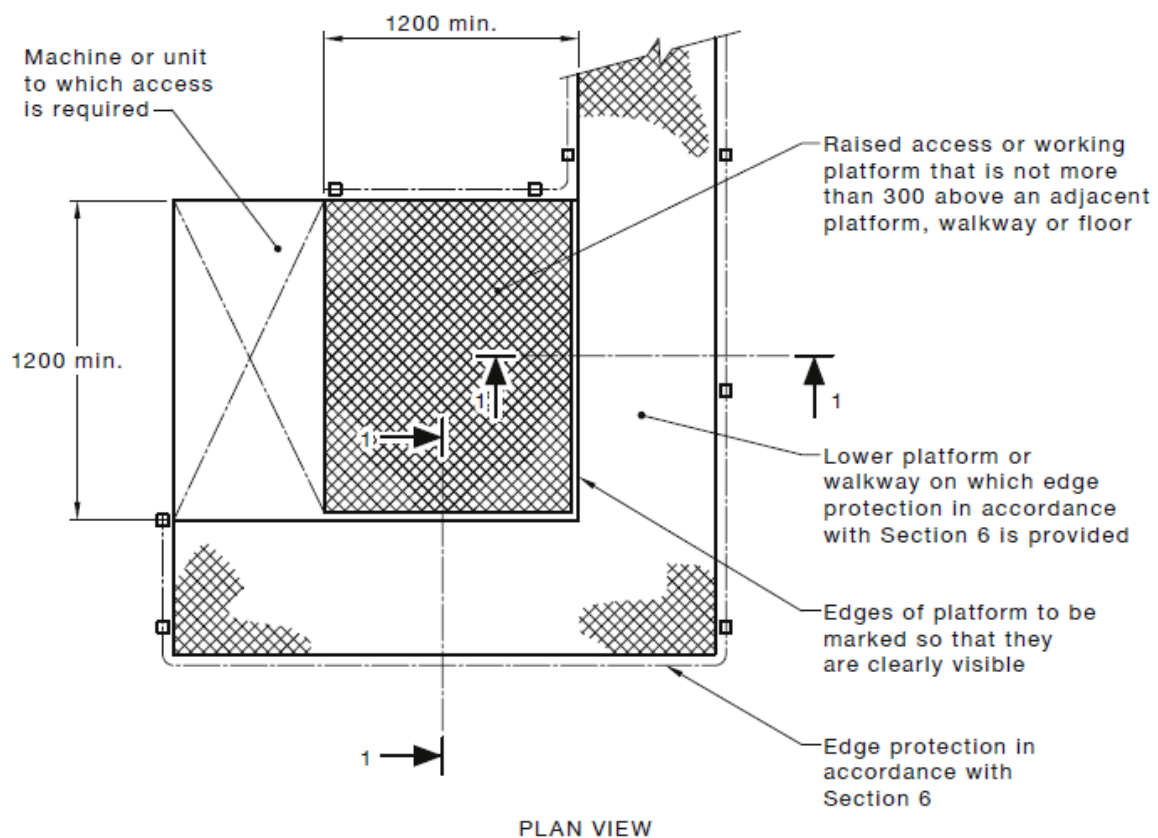
#### 4.4 GUARDRAILING

Guardrailing complying with Section 6 shall be installed on exposed sides of platforms and landings except for the following:

- a) At the points of access from a stairway or ladder.
- b) Where there is a permanent structure not more than 100 mm from the edge of the platform or landing capable of providing at least the equivalent protection to guardrailing.
- c) On the sides and edges of a platform, the level of which is not greater than 300 mm above that of an adjacent platform or floor, provided—
  - i) the smallest dimension of the upper platform is not less than 1200 mm; and
  - ii) the distance from any edges of the unprotected upper platform to the protection on the edge of the lower platform is not less than 1000 mm.

Where it is not possible to apply the requirement of Item (c) (ii) above, the minimum height of the protection at the edge of the lower platform shall be increased by 300 mm.

The unprotected edges of such platforms shall be marked so that they are clearly visible in their surroundings.



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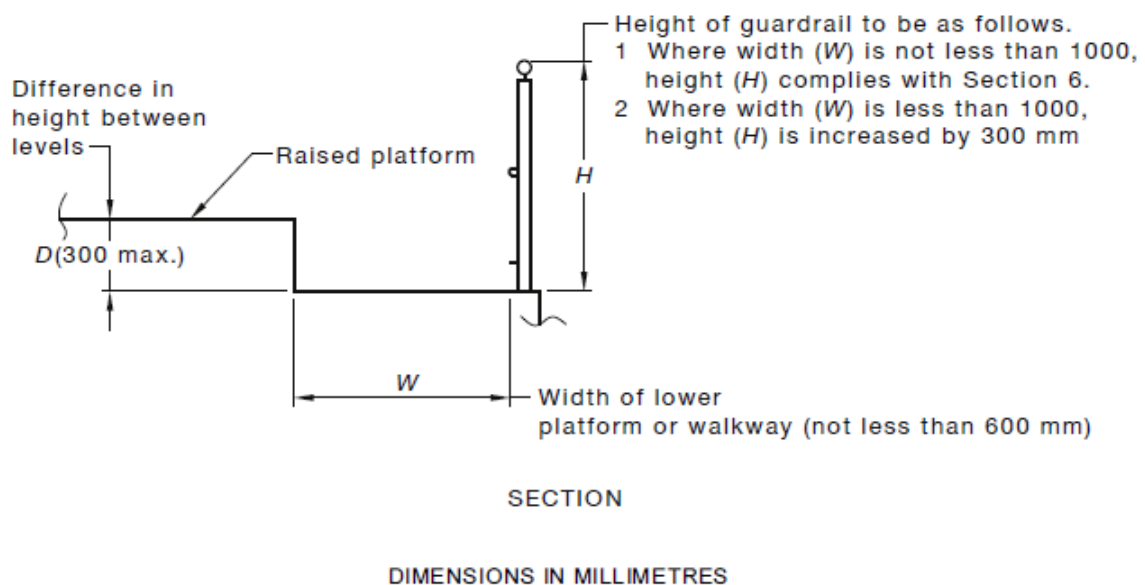


FIGURE 4.1 GUARDRAILS ON PLATFORMS

### 6.2.1 Guardrailing

#### 6.2.1.1 General

Any part of a guardrailing that could come into contact with the user shall have no sharp edges or other attributes that could cause injury to the user. If mobility assistance is required and the guardrail does not provide this, a handrail shall also be provided. Where the guardrail is used as a handrail, it shall meet the requirements of Clause 5.6 and there shall be a minimum hand clearance of 50 mm between the handrail and any adjacent structure.

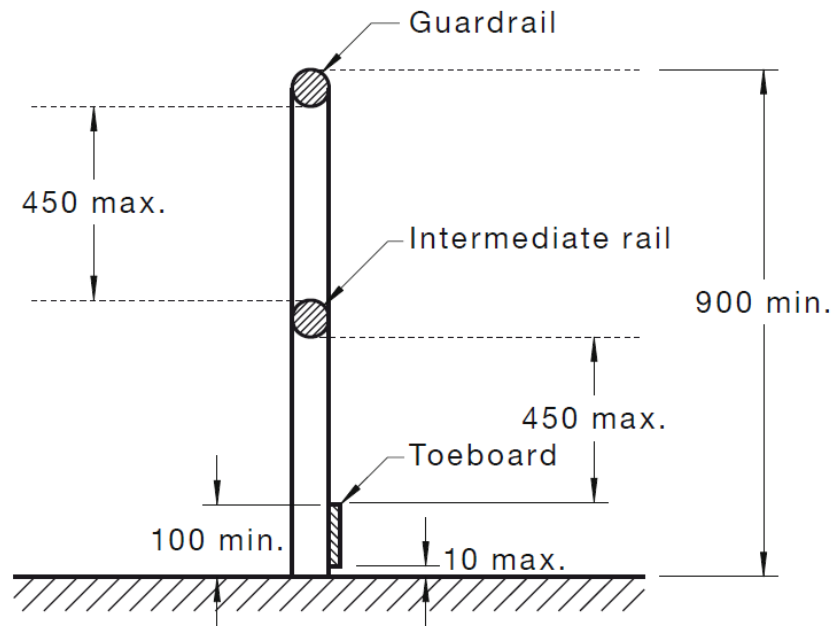
The height of a guardrail measured vertically above the floor shall be not less than 900 mm.

**C6.2.1.1** Where the fall height from a platform is significant or where persons on the platform may be subjected to wind forces, it is desirable to increase the height of the guardrail to at least 1000 mm to provide a greater sense of security to persons on the exposed platforms.

#### NOTES:

- 1 For key dimensions of typical guardrailing, see Figure 6.1 (below).
- 2 Requirements for handrails are given in Clause 5.6.

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DIMENSIONS IN MILLIMETRES

FIGURE 6.1 TYPICAL GUARDRAILING—KEY DIMENSIONS