

Australian/New Zealand Standard™

Temporary edge protection

Part 4: Perimeter protection screens



## **AS/NZS 4994.4:2018**

This Joint Australian/New Zealand Standard was prepared by Joint Technical Committee BD-092, Temporary edge protection—Construction Practices. It was approved on behalf of the Council of Standards Australia on 12 April 2018 and by the New Zealand Standards Approval Board on 2 May 2018. This Standard was published on 22 May 2018.

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The following are represented on Committee BD-092:

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Australian Council of Trade Unions  
Australian Industry Group  
Australian Institute of Building Surveyors  
Housing Industry Association  
Master Builders Australia  
Master Plumbers Australia  
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Part 4: Perimeter protection screens

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## PREFACE

This Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD-092, Temporary edge protection—Construction Practices.

The objective of this Standard is to provide requirements for designers of perimeter screens and platforms, guardrails, stairways and ladders that are permanently or temporarily attached to the perimeter screens, to reduce the risks to the safety of persons working on such platforms and to prevent objects falling from the protected perimeters of the permanent structure during construction.

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The term ‘informative’ has been used in this Standard to define the application of the appendix to which it applies. An ‘informative’ appendix is only for information and guidance.

*This Standard includes a commentary on some of the clauses. The commentary directly follows the relevant clause, is designated by ‘C’ preceding the clause number and is printed in italics in a box. The commentary is for information and guidance and does not form part of the Standard.*

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## STANDARDS AUSTRALIA/STANDARDS NEW ZEALAND

**Australian/New Zealand Standard**  
**Temporary edge protection**

**Part 4: Perimeter protection screens**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE**

This Standard sets out the requirements for the design, manufacture, installation, re-positioning and dismantling of perimeter protection screens of height 1 m and above that are to be attached to formwork or to the permanent structure to provide edge protection for personnel and to minimize falling objects during construction.

## NOTES:

- 1 For a checklist for design of perimeter protection screens, see Appendix A.
- 2 For a post-operational checklist for perimeter protection screens, see Appendix B.
- 3 For an illustration of typical components of screen installation, see Appendix C.

**1.2 EXCLUSIONS**

This Standard does not apply to similar screens that remain fixed to a permanent structure to prevent items being thrown from that structure or temporary anti-climbing screens.

**1.3 NORMATIVE REFERENCES**

The following are the normative documents referenced in this Standard:

## AS

- 1170 Structural design actions  
 1170.4 Part 4: Earthquake actions in Australia  
 1657 Fixed platforms, walkways, stairways and ladders  
 4100 Steel structures

## AS/NZS

- 1111 ISO metric hexagon bolts and screws—Product grade C  
 1111.1 Part 1: Bolts  
 1170 Structural design actions  
 1170.0 Part 0: General principles  
 1170.1 Part 1: Permanent, imposed and other actions  
 1170.2 Part 2: Wind actions  
 1170.3 Part 3: Snow and ice actions  
 1252 High strength steel bolts and associated nuts and washers for structural engineering  
 1554 Structural steel welding  
 1554.1 Part 1: Welding of steel structures  
 1554.6 Part 6: Welding stainless steel for structural purposes  
 1577 Scaffold decking components