

Australian Standard™

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**Guidelines for the erection  
of building steelwork**

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This Australian Standard was prepared by Committee BD/91, Erection of Building Steelwork. It was approved on behalf of the Council of Standards Australia on 12 June 1998 and published on 5 September 1998.

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The following interests are represented on Committee BD/91:

Association of Consulting Engineers, Australia  
Australian Council of Trade Unions  
Australian Institute of Steel Construction  
Bureau of Steel Manufacturers of Australia  
Department of Training and Industrial Relations (Qld)  
Metal Trades Industry Association of Australia  
Safety Institute of Australia  
Steel Erectors Association of Victoria  
Victorian WorkCover Authority  
WorkCover N.S.W.

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First published as AS 3828—1998.

## PREFACE

This Australian Standard was prepared by the Joint Standards Australia/Standards New Zealand Committee BD/91, Erection of Building Steelwork.

This Standard is the result of a consensus among Australian/New Zealand representatives on the Joint Committee to produce it as an Australian Standard.

The Standard is based on the *Advisory standard for steel construction* published by the Queensland Government Division of Workplace, Health and Safety and Standards Australia/Standards New Zealand handbook SAA/SNZ HB62, *Guidelines for the erection of building steelwork*, Part 1:1995 *Low rise building and structures* and Part 2:1995, *Multi storey buildings and structures*.

The topic covered by this Standard deals with any work involving the erection of assembled portions and single components of structural steel such as—

- (a) columns;
- (b) beams;
- (c) bracing;
- (d) rafters;
- (e) purlins;
- (f) girts;
- (g) bridging and fly bracing;
- (h) trusses; and
- (i) other related steelwork, for example, freestanding structures.

This Standard provides guidance to persons engaged in the erection of structural steel work. Falls from heights, falling objects, collapse of the structure and plant used in the construction of the structure can cause injury or death to persons at or near a workplace where steel construction is being undertaken.

The objective of this Standard is to provide those responsible for the erection of building steelwork with guidelines specifying safe working provisions and practices.

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## STANDARDS AUSTRALIA

**Australian Standard****Guidelines for the erection of building steelwork**

## SECTION 1 SCOPE AND GENERAL

**1.1 SCOPE** This Standard describes recommended safe working provisions and practices (supported by training) for those responsible for and involved in the erection of building steelwork. This Standard is not intended to be solely for the builder, but is also intended to provide guidance for other associated trades.

The recommendations relate to the safety of persons when entering and leaving the work area while the erection of building steelwork is taking place. They also relate to the safety of other persons in the vicinity, whether working or not, who may be endangered by the action of those working on the erection of building steelwork.

**1.2 REFERENCED DOCUMENTS** The following documents are referred to in this Standard:

## AS

- 2550 Cranes—Safe use
- 2550.1 Part 1: General requirements
- 2550.10 Elevating work platforms
- 2626 Industrial safety belts and harnesses—Selection, use and maintenance
- 2865 Safe working in a confined space
- 4100 Steel structures
- 4576 Guidelines for scaffolding
- 4626 Industrial fall-arrest devices—Selection use and maintenance

## AS/NZS

- 4360 Risk management

## NOHSC

- (1995) The National Occupational Health and Safety Certification Standard