

AS 3623—1993

Reconfirmed 2018

Australian Standard®

Domestic metal framing

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Association of Consulting Engineers, Australia
Australian Institute of Building Surveyors
Australian Institute of Steel Construction
Building Services Corporation
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OF
AS 3623–1993
Domestic metal framing

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NOTES

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PREFACE

This Standard was prepared by the Standards Australia Committee on Metal Framing. It is the intention of the Committee that the next edition of this Standard will not be material-specific and could equally apply to any material used for domestic framing.

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STANDARDS AUSTRALIA

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SECTION 1 SCOPE AND GENERAL

1.1 SCOPE This Standard sets out the performance requirements, in terms of structural adequacy and serviceability, for the framing of domestic buildings of up to two storeys in height and roof pitches of up to 35°.

Alternative methods of assessing structural adequacy using either permissible stress or limit state methods are provided in Sections 2 and 3, respectively.

This Standard does not consider the effects of corrosion.

NOTES:

- 1 A Commentary is provided in Appendix A.
- 2 This Standard should be read in conjunction with AS 4055 and the relevant Parts of AS 1170.
- 3 In potentially corrosive environments, advice should be obtained from the respective manufacturers on appropriate protective measures.

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

AS

- 1170 Minimum design loads on structures
 - 1170.1 Part 1: Dead and live loads and load combinations
 - 1170.2 Part 2: Wind loads
 - 1170.3 Part 3: Snow loads
 - 1170.4 Part 4: Earthquake load
- 1538 Cold-formed Steel Structures Code
- 1664 SAA Aluminium Structures Code
- 4055 Wind loads for housing

1.3 DEFINITIONS For the purpose of this Standard, the definitions below apply.

- 1.3.1 Balcony**—an external area, one or more metres above the ground.
- 1.3.2 Bearer**—a sub-floor member supporting the floor joists.
- 1.3.3 Bracing**—diagonal members or diaphragms which resist racking forces.
- 1.3.4 Ceiling batten**—a member fixed to roof trusses or rafters to support ceiling sheathing.
- 1.3.5 Chord**—the top and bottom members of a truss.
- 1.3.6 Floor joist**—a member that directly supports the flooring.
- 1.3.7 Heel (knee)**—the connection between top and bottom truss chords.
- 1.3.8 Hold-down fixings**—the fixings designed to resist wind forces.