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# NASH Handbook

## Design of Residential and Low-rise Steel Framing



# ©NASH 2009

ISBN 978-0-646-51133-7

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## Preface

Steel framing is commonly chosen for houses and other forms of low-rise construction as it is:

- Cost effective
- Dimensionally stable
- Non combustible
- Termite and borer proof
- Durable
- Strong but lightweight
- 100 percent recyclable
- Consistent in its properties and performance

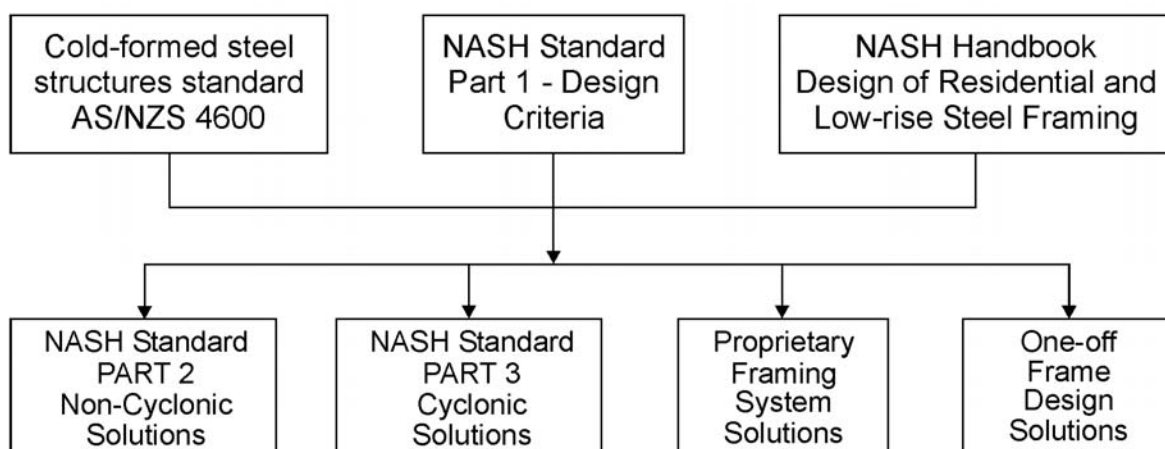
The NASH Standard – Residential and Low-rise Steel Framing Part 1: Design Criteria sets out the design criteria, in terms of structural adequacy and serviceability, for use in the design of low-rise steel framing. This includes houses as well as other low-rise residential and commercial buildings.

This Handbook aims to assist the steel framing designer in the application of the NASH Standard Part 1. However, it does not purport to provide a detailed guide on the use of the Cold-formed steel structures standard AS/NZS 4600 or replace engineering judgement.

The Handbook contains performance data for a number of proprietary components such as screws, rivets, bolts and anchors. This information has been reproduced in Appendices in good faith from information provided by the relevant manufacturers. It has been included to assist the use of the Handbook as a reference for users, but is not exhaustive. Handbook users should contact relevant manufacturers directly for additional performance information.

Two separate Standards (Part 2 & 3) are being developed to provide steel framing span tables and related information and these will be published in due course. The relationship between the Standards and this Handbook is illustrated below.

The NASH web site [www.nash.asn.au](http://www.nash.asn.au) is regularly updated and provides supplementary information to this Handbook.



# National Association of Steel-Framed Housing Inc

NASH is an active industry association centred on light structural framing systems for residential and similar construction. NASH represents the interests of suppliers, fabricators and customers – all those involved in steel framing systems.

NASH's key objectives are to:

- Support the long term growth and sustainability of the steel frame industry.
- Maximise awareness of the steel frame industry in the market place.
- Promote the advantages of steel frames to the building industry and homeowners.

## Acknowledgements

The following companies, organisations and individuals were represented on the industry committee responsible for preparing this Handbook:

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Kavitha Mysore	BlueScope Lysaght
Graeme Stark	BlueScope Steel
Trevor Clayton	BlueScope Steel
Lex Somerville	BMCC Services
Lam Pham	CSIRO – Sustainable Eco Systems
David Collinson	ITW Buildex
Ken Watson	National Association of Steel-Framed Housing Inc
Michael Kelly	National Association of Steel-Framed Housing Inc
Hayden Dagg	OneSteel Australian Tube Mills
Ross Dempsey	OneSteel Australian Tube Mills
Andrew Byrne	Rondo Building Services
Subo Gowripalan	Stramit Building Products
Greg Anderson	Structerre Consulting Engineers
Les McGrath	TGM Group
Emad Gad	University of Melbourne / Swinburne University of Technology
Bruce Cannon	Welding Technology Institute of Australia

### *International contributors*

Gordon Barratt	NASH New Zealand
Hennie de Clercq	Southern African Light Steel Framing Association

The following companies provided their proprietary data which has been reproduced in Appendix D and Appendix E:

- ITW Buildex
- Bremick Fasteners
- Henrob
- Acument Australia
- Ramset
- Boral Plasterboard.