

## Welcome to NASH NEWS issue NUMBER 3

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We have been busy. Over the last while members of NASH Standards Committee have been developing a new standard for Steel Framing in New Zealand. Part 1: Design Criteria is now ready to go out for public consultation/comment. The draft standard is based on the Australian version and as been localised to provide trans-tasman consistency and to take into account local design conditions and criteria.

NASH members and interested parties are invited to comment on the draft standard which is downloadable directly from the NASH website [www.nashnz.org.nz](http://www.nashnz.org.nz)

This standard is intended to be referenced in the New Zealand Building Code. It sets out the design criteria to comply with the performance requirements of the NZBC for steel framing of low-rise buildings including

houses and low-rise commercial buildings using New Zealand cold-formed framing methods.

The major developments of this NASH standard include:

- **Limit state standard in line with the AS/NZS 1170 series**
- **Serviceability criteria**
- **Tolerances for manufacture and installation**
- **Guide for self-weight of materials**

Contents include:

#### **SECTION 1**

Design Actions  
Design Properties  
Design Criteria  
Methods of Assessment

#### **SECTION 2 ROOF MEMBERS**

Roof Battens  
Roof Trusses or Rafters  
Ceiling Battens  
Roof Bracing

#### **SECTION 3 WALL MEMBERS**

Load Bearing Wall Studs  
Non-Load Bearing Wall Studs

Nogging  
Wall Plates For Load Bearing Walls  
Lintels  
Wall Bracing

#### **SECTION 4 FLOOR MEMBERS**

Floor Joists Or Bearers  
Floor And Sub-Floor Bracing

#### **SECTION 5 CONNECTIONS**

Design Criteria

#### **SECTION 6 BRACING**

Roof Bracing  
Wall Bracing  
Floor and Sub-Floor Bracing

#### **SECTION 7 TESTING**

Additional Requirements for Prototype  
Testing Establishment of Design Values for Specific Product Using  
Prototype Testing

#### **APPENDICES**

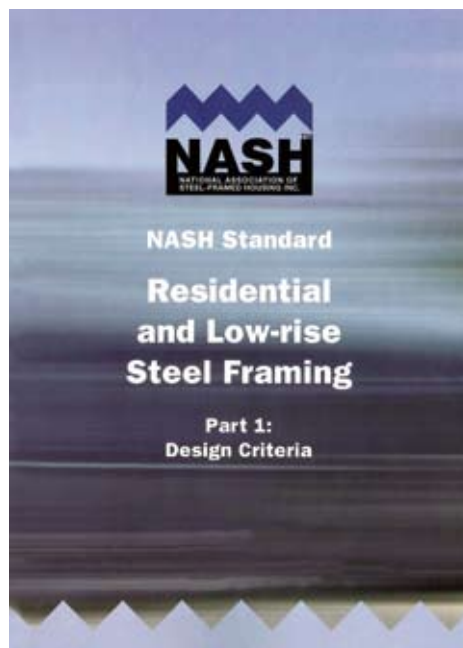
Construction  
System Effects  
Floor Performance  
Tolerances  
Self-Weight

Have your say NOW. Don't leave it to others or until the last minute. Remember the closing date for comments is 5th February 2010.

All comments submitted will be acknowledged and be considered by our Standards Committee in February.

#### **Thermal Breaks and Cavity Construction**

NASH has commissioned a report aimed at clarifying the requirements and to provide recommendations for wall and roof construction to meet the current Building Code for internal moisture control under Section E3 and energy efficiency requirements under H1. This report, NASH N-10, will be downloadable from our website by the 7th of December. It is hoped that this will help in clearing up some degree of confusion that exists in the marketplace.



## BRANZ RESEARCH AGENDA

This year, for the first time, NASH was invited to assist in the development in the 2010 BRANZ research and information agenda under the umbrella "What topics should be researched to give your organisation/industry the info it needs to grow and prosper."

After discussions with BRANZ, it was agreed to follow up on the NASH suggestion to have a workshop exclusively for the steel sector rather than an audience of delegates with mixed interests.

This steel sector focused workshop was held on the 11th September and was well attended by representatives from across the whole steel sector.

The push from NASH covered the needs to:

- **Ensure that the development of related standards incorporates steel as a structural material**
- **Research into building two-storey brick veneer structures using light steel framing**
- **Research into the Thermal, acoustic, vibration and after fire effects of structural materials**
- **Develop one system of Life Cycle Analysis and to recognise the benefits of the recyclability of steel**
- **Seismic performance of materials.**

After the workshop, BRANZ undertook to report back to us regarding the further refinement of their plan.

## Bracing Design Spreadsheets for Steel Framing

NASH gets a lot of enquiries about the design of bracings for steel framing. These are available from [www.gib.co.nz/ezybrace](http://www.gib.co.nz/ezybrace), clicking the DOWNLOAD tab and choosing GIB® EzyBrace™ FP-NASH. This is a wall bracing design spreadsheet intended for use with steel framed housing constructed within the design scope of NZS 3604. There is a direct link from the NASH website.



## Steel Framing workshop being designed for Building Officials

Demonstrating compliance is vitally important in any sphere of the approval process. In view of this, NASH has developed presentation material for use in seminars/workshops to assist Building Officials. It will be rolled out to Councils in the New Year.

## Familiarisation for Polytechnic Tutors

Tutors at polytechnics around the country are taking a keen interest in steel framing now that Unit Standards involving steel framing have been introduced into the compulsory section of qualifications for Building Apprenticeships. Familiarisation workshops have been held at NASH member company Rollforming Services Ltd., in Auckland and have proved a great success. A big thank you to Todd Forsyth of the company and Christine Wilkinson of NZ Steel for making this happen. (See picture).

## Major Discounts for NASH members

NASH has negotiated a great deal with GSB Supplycorp, NZ's only procurement service provider that offers a full spectrum of procurement solutions. Savings of up to 40% across 100 major suppliers including major motor companies such as Mazda, Ford and Holden, are available if you join the NASH scheme. Here's how it works:

## NASH becomes the umbrella organisational member

Individual NASH member companies deal with an Account Manager from GSB Supplycorp so that they develop their own business relationship. This means transactions/payments etc will be directly between supplier and company, not NASH.

- **NASH will not get any reports of company engagement**
- **This is a not a credit scheme - it is simply a way of obtaining great discounts for members**
- **This is a great offer at substantially reduced rates.**

**Please email/call Carl Davies, NASH General Manager for further details.**

## New Handbook for Steel Framing being developed

Watch out for the first NZ handbook on Cold Formed Steel Framing. The draft which has passed its recent review by NASH Standards committee is due for release early in the new year. Keep a look out on the NASH website for further details.

**Have a great Christmas and New Year and all the best for 2010.**