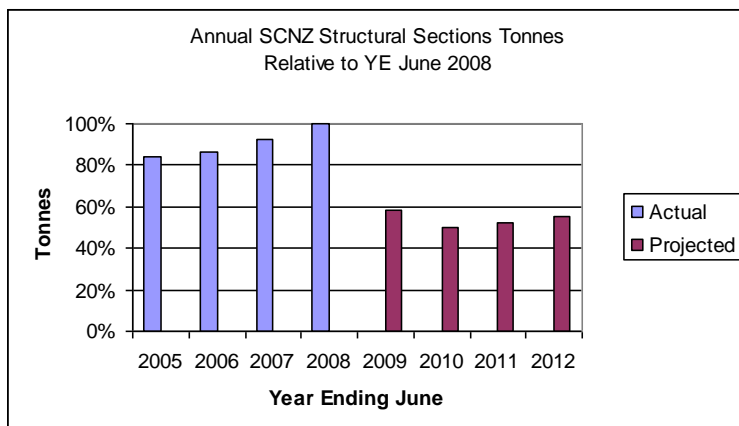


STEEL FUTURES

STRUCTURAL STEEL VOLUMES PLUNGE!

The volume of steel beam, column and channel sections used in New Zealand is expected to have dropped 42% in the year ending June 2009 compared to the previous year. Most of the drop has occurred in the last six months, with monthly volumes consistently 80% below the monthly average for the year ending June 2008.

SCNZ Manager, Dr Clark Hyland expects that monthly volumes will begin to rise slowly over the next twelve months but still record a 10% annual downward movement relative to the last twelve months.



RENEWED INTEREST IN DESIGNING IN STEEL

During a recent series of presentations to consulting engineers in 14 offices in Auckland and Christchurch it has become clear that there is renewed interest in designing and building in steel. SCNZ Senior Structural Engineer, Alistair Fussell, gave an overview of steel plate shear wall behaviour and design approaches. Steel plate shear walls, popular in North America, will soon to be introduced into the seismic design part of the New Zealand Steel Structures Standard.

SCNZ Manager Clark Hyland has also presented to bridge design engineers on smart ways to design and launch steel trough girder bridges for spans up to 75m.

The visits to consulting engineers offices around New Zealand will continue over the next few months to high

light new international structural steel design and construction approaches that can be made use of locally.

The recent reductions in steel long product supply prices has translated into increased demand in the last two months for SCNZ structural engineers to assist in the preparation of steel options for construction projects. It is hoped this trend will continue for the second half of 2009.



Steel Plate Shear walls

MEMBERS SURVEY: WHAT DO YOU WANT?

Over the next three weeks SCNZ will be conducting a survey of members to find out what they want SCNZ to do now in the short term, and also what to set in place for the long term future of the industry. The survey will be

conducted on-line and member company representatives will be asked to complete the survey on behalf of their company.

Your views shape the direction of SCNZ.

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UPCOMING EVENTS

- 2009**
- Sept 17 & 18 — SCNZ AGM & Members Event, Queenstown
- Sept 30-7 Oct — Steel Structures Seminar Series (Taupo, Takapuna, Auckland, Nelson, Christchurch, Wellington)

STEEL CONSTRUCTION IN BUILDING TODAY

SCNZ will run a steel construction feature every three months with Building Today starting September. In each feature we will be promoting excellence in steel construction. In particular we are looking for projects big or small in which a member company has shown excellence in some or all of the following:

1. Quality management in the workshop and on-site
2. Technical innovation
3. Project management
4. Health and safety practices

ISCG MEETING: PAIHIA 2011

Steel Construction New Zealand is hosting the next International Steelwork Contractors Group (ISCG) meeting at the Copthorne Resort in Paihia from 12-16 February, 2011. The ISCG consists of the American Institute of Steel Construction, Canadian Institute of Steel Construction, British Constructional Steel Association, South African Institute of Steel Construction, the Australian Steel Institute and SCNZ. The ISCG meetings draw together the Chairmen and elected representatives, CEOs and senior staff and members of the respective associations to discuss issues of mutual interest with respect to the development of steel construction in each of the countries.

"Our participation in the ISCG meetings over the last 4 years has kept us in the forefront of steel construction

STRUCTURAL HELP DESK

The SCNZ structural help desk is getting plenty of requests for help. Our experienced structural engineers field queries and give advice on all sorts of issues. Some questions result in the development of a Steel Advisor article so that the wider industry can benefit. Each query typically requires detailed background reading, development of a design methodology and often detailed calculations.

Kevin Cowie, SCNZ Structural Engineer, comments: "We receive a wide range of structural queries. During the month of June, for example, we received queries on

NEW STEEL ADVISOR ARTICLES

Three new articles for Steel Advisor are being issued this month. The ***Properties and Assessment of Historical Steelwork*** article provides information for identifying the properties of historical structural steelwork. The refurbishment or 'adaptive re-use' of existing buildings currently forms a significant part of the workload for many architects and engineers.

The ***Maximum Spacing of Thermal Movement Joints*** article summarises North American practice with respect to spacing of thermal movement joints and is applicable to NZ conditions. Roof and structural expansion joints are required in buildings when plan dimensions are large. The maximum distance between expansion joints is dependent upon many variables, including ambient temperature during construction and the expected temperature range during the

5. Environmental management in the workshop and on-site

The size of the steel construction feature will depend on advertising support for Building Today.

SCNZ will write the article, you just need to tell us what you have been doing.

If you have a project you would like considered for an article in the September issue please fill in the case study request form and fax back to the number provided by 31st July 2009, or contact Rebecca at rebecca.symonds@scnz.org or phone 09 262 6682, if you have any queries.

thinking internationally, and resulted in great benefits to steel construction development in New Zealand." say SCNZ Manager, Dr Clark Hyland.

After the meetings in Paihia the ISCG delegates will then join with all the SCNZ members for the SCNZ Steel Construction Conference and Awards Dinner on Waiheke Island from 16-17th February, 2011. After that they will be hosted on steel construction related site visits in Auckland, Bay of Plenty, Wellington and the South Island.

If you are interested in being involved in the ISCG meetings or hosting a site visit contact Clark at clark.hyland@scnz.org or phone 09 262 6680.

coatings, connection design, member design, structural analysis, materials, fire, fatigue & fracture, welding, estimating, and careers & training. Most queries come from consulting engineers. In June, 77% of queries were received from them. Queries from consulting engineers tend to be the difficult questions as they have already been discussed within their own companies."

lifetime of the building.

The ***Sleeved Holding Bolts*** article

describes the appropriate use of holding down bolts sleeves. One of the greatest problems faced by a steel constructors on site is inaccurate setting out of anchor bolts. Tolerances on holding down bolts are being tightened in NZS3404.1. If additional allowance for bolt setting out is required, sleeved anchor bolts may be used.

The Steel Advisor articles are available for subscribers at www.scnz.org/steel-advisor.



Kevin Cowie, SCNZ Structural Engineer.

PREPARING YOUR BUSINESS TO RESPOND TO A PANDEMIC

You will be aware that the numbers of Influenza A H1N1 (swine flu) cases in New Zealand are increasing. The Ministry of Health advises that this trend is likely to continue over the coming weeks and months.

Obviously, a pandemic of this kind or any similar type of crisis will affect your business, your staff and customers. Just how much you are affected will depend on the severity of the crisis and how well prepared you are.

Planning to see your business through a pandemic is important. This can be done by planning the steps your business will take before, during and after a pandemic. There is no one, single response you can plan for. You and your staff need to respond flexibly depending on the situation. Keeping your plan updated will also be useful in the event of another type of crisis occurring.

Information on the Department of Labour website, www.dol.govt.nz, that could help you with your planning includes:

- ◆ Commonly asked Questions and Answers for employers

about potential employment issues that could arise during a pandemic.

- ◆ Information to assist with business continuity planning.
- ◆ Workplace health and safety guidance, including infection control advice relevant to the workplace.
- ◆ Advice on the use of personal protective equipment in the workplace.
- ◆ Practical scenarios that illustrate the different measures businesses can take to protect themselves.

Keep informed of developments and update your plans, and your employees accordingly. In addition to the existing business networks and organisations you belong to, the Department of Labour, Ministry of Economic Development and Ministry of Health websites provide ongoing sources of information on the implications of a pandemic for workplaces, businesses, and public health.

Visit www.dol.govt.nz, www.med.govt.nz, or www.moh.govt.nz to find out more.

STANDARD CONDITIONS OF SUBCONTRACT REVIEW

SCNZ as a member of the New Zealand Building Subcontractors Federation (NZBSF) has been asked to review the draft Standard Conditions of Subcontract developed by NZBSF and Registered Master Builders (RMB). The purpose of the document is to have a common and fair subcontract agreement, which will raise the confidence of the head contractor and sub-contractor, and their suppliers, in entering subcontracting relationships.

Five SCNZ members, Frank van Schaijik (John Jones Steel), Malcolm Hammond (MJH Engineering), Mike Smith

(Patton Engineering), Phil Counsell (Modern Construction) and Murray Scaife (Whakatiki Engineering), representing small to large steel construction businesses, are reviewing the document in conjunction with the SCNZ Manager. The comments will then be forwarded to the NZBSF by 24th July and be used in final negotiations with the RMB. It is hoped that the Standard Conditions of Subcontract will be jointly launched later in the year, with a series of workshops held around the country on how to use it effectively.

TRADES@SCHOOL QUEENSTOWN GETS GOING

Nigel Ede, Managing Director of Ede Engineering has been working hard over the last few months organising Queenstown businesses to support Whakatipu High School set up a SCNZ Trades@School programme. Nigel comments, "I liked the programme I saw happening in Auckland and I could see it working in Queenstown with a bit of adjustment."

During June SCNZ Training Officer John Kotoisuva organised a meeting with interested parents in Queenstown,

Competenz, Southern Institute of Technology and Whakatipu High School to confirm arrangements. Competenz will provide relevant training materials for the school to use. Six Queenstown businesses have committed to take a senior student for work experience.

The parents were impressed with the support of industry for their sons' futures.

Their programme will start during July.

C ME MENTORING TRUST

As most SCNZ members will know by now, SCNZ Training Officer John Kotoisuva lives and breathes giving young people a step up into a future career in steel construction. When advised that SCNZ would be cutting its training budget from June due to the economic downturn, he got into gear and set up a trust to carry on the work. John has now been successful in gaining three years of funding from the ASB Community Trust for the work. John will therefore be reducing to part-time hours with SCNZ from July to pursue the work of the C ME Mentoring Foundation Trust.

"The vision of producing the most well prepared skilled workers for the future from our secondary schools, must continue through these difficult economic times," says John.



Want to know more? Just tick the box of the subject you would like more information about and fax back to 09 263 5638 and we will contact you.

- | | |
|--|---|
| <input type="checkbox"/> Structural Steel volumes Plunge | <input type="checkbox"/> Renewed Interest in Designing in Steel |
| <input type="checkbox"/> Members Survey: What do you want? | <input type="checkbox"/> Steel Construction in Building Today |
| <input type="checkbox"/> ISCG Meeting: Paihia 2011 | <input type="checkbox"/> Structural Help Desk |
| <input type="checkbox"/> Steel Advisor Articles | <input type="checkbox"/> Standard Conditions of Subcontract Review |
| <input type="checkbox"/> Steel Structures Seminar Series | <input type="checkbox"/> Pacific Steel Structures Conference 2010 - Beijing |

«Contact Name (Prefix First Last)»

«Account»

«Address1»

«Address2»

«Address3»

«City/State/Zip»

«SCNZ_Member_No»

SCNZ Member #:

Would you like to become a SCNZ member? For an annual subscription of only \$100 + GST you can enjoy the benefits of belonging to an association dedicated to the advancement of steel construction. Please tick the box below and fax back to 09 263 5638.

- Yes I would like to become a SCNZ member.

SCNZ AGM AND MEMBERS EVENT QUEENSTOWN

All SCNZ members are warmly invited to attend this years AGM and members event in Queenstown.



The event starts with dinner and drinks at the Novotel Lakeside Hotel at 6.30pm on the Thursday evening, including a guest speaker.

After breakfast the next day, the SCNZ Members Forum will start at 8.30am, with the SCNZ AGM, and election of the Chairman and Vice-chairman following.

Once the formalities are over, attendees can experience together the wilderness of the Dart River and its surroundings by way of a jet boat, outdoor walk and 4 wheel drive adventure.

To find out more or to register, visit www.scnz.org and click on the event link and fax back the registration form to 09 263 5638 by 10th September 2009.

NEW SEISMIC SYSTEMS & PORTAL FRAMES SEMINAR SERIES 29 SEPT - 7 OCT 2009

Mark in your diary the upcoming Steel Structures seminar series. Sharpen your technical skills and gain valuable CPD hours. SCNZ will present a full day seminar for structural engineers featuring the design of new seismic resisting systems (reduced beam section moment frames, steel plate shear walls) and cost effective steel portal frame buildings design tips.

The seminar will follow a lecture/workshop format to allow

attendees to apply the material to practical problems.

Seminar dates and venues are as follows:

Taupo - 29 Sept
Lakeland Resort

Takapuna - 30 Sept
Parklane Motor Inn

Auckland - 1 Nov
Novotel Hotel, Ellerslie

Nelson - 5 Oct
Fairfield House

Christchurch - 6 Oct
Crowne Plaza

Wellington - 7 Oct
West Plaza

PACIFIC STEEL STRUCTURES CONFERENCE 2010 - BEIJING

Who will forget the karaoke evening, the inspirational Dimond breakfast, or the presentations by Professor Charles Roeder at the 8th Pacific Structural Steel Conference in Wairakei in 1997, co-organised by SCNZ and HERA? Well it is happening again next year, 19-22 October, in Beijing, the City of Emperors.

Without doubt the Chinese are the best hosts in the world and this conference will be spectacular, in not only technical content and cross-cultural interaction, but also in the best of Chinese hospitality. A call for papers has just been made by the China Steel Construction Society, with abstracts required

by 30 November, 2009.

If you are interested in more information about PSSC 2010 visit our website www.scnz.org or contact Clark on (09) 262 6680.

