



QISD Field Trip Program...

The QISD tour through the **Webforge manufacturing plant** in Pinkenba took place on Wednesday 23rd of July. We had 22 QISD members turn out to see the forgewelder in operation and how Webforge fabricated their grating panels. The plant manager, Donna Sheriff explained the grating production work flow in detail, from the translation of the steel detailers' layouts to the panel break-up produced in the Webforge drawing office. Then we were shown into the workshop where boiler makers



were welding kick plate, cutting notches and banding panels. Production techniques for the different types of grating were outlined by Webforge supervisor Brett Gash, and many examples were available for comparison by the tour group.

In addition to supplying handrail components, Webforge Queensland has recently begun producing welded panels of handrail. Our tour groups were shown through the welding area and saw how the welders assembled and handled the panels.

Some QISD Members on the Tour

During our visit we also had the opportunity to discuss drafting issues with Terry Harvey, Webforge drawing office manager. This question and answer time shone some much needed light onto the grey areas some detailers were experiencing.

Bill Hetherington from the sales & estimating side of the business also provided relevant insight to the new Webforge catalogue and worked through some of the commercial factors affecting the handrail & grating industry today.

Our thanks go to Webforge General Manager Qld, Jim Hicks and his team for sharing their time and experience with us.



Completed Panels to be shipped



Grating Manufacturing Machine

Our next scheduled tour will be through the **Southern Queensland Steel processing facility** at Wacol has been tentatively set down for Wednesday 26th of November.

We hope to see their 3 beamline machines in action saw cutting, drilling, cropping and punching structural longproducts and discuss the pros & cons of NC Data and DXF files versus hardcopy drawings. David Rodmell from Southern Queensland Steel has kindly invited QISD attendees to stay for light refreshments after the tour. A flyer for this tour will be emailed to all members closer to the tour date.



Detail of the Month...

ANALYSIS OF STANDARD CONNECTIONS – By Joe Biggs

At one of the committee meetings some time ago we were discussing how to achieve some sort of standardisation with common connection details that are used on most projects. The first detail that leapt to mind and appeared as an easy task was the fly-brace detail. We have all seen many variations of this detail in member size, bolting and the location.

Always being confused as to why this detail varied on every set of documents I received. I put to the others my obvious choice, only to find that in our small group of six there were three or four concepts as to what should be the adopted "standard".

I have now set out to find out why and how this connection works to allow us to suggest an alternative (by our choice or our fabricator's) that is structurally sound in the majority of cases. To this end I have enlisted the charity of an engineer to do some research into exactly what limits are on this brace.

The options put forward for review were:

- Nominal angle size vs. rafter size and what loads are in these pieces.
- Do we brace one side or two?
- Is flat bar an alternative to angle if used both sides.
- Bolt size and hole size to brace and rafter plate.
- Connection of brace when combined with haunch.
- The position of the brace right beside column.

We hope that these results can be developed into a group of details that can be utilised by us all and ultimately be included in texts for training and reference.

The next newsletter should have the results of this investigation.

New South Wales Institute of Steel Detailers....

Following a proposal by the QISD to the NSWISD for the President of the NSWISD to become an honorary member of the QISD, we have had an offer of reciprocation from the NSWISD. The offer has also included honorary membership for the QISD committee and goes further to include all members of the QISD. The NSWISD have extended a welcome to all QISD members to attend any NSWISD meetings and events as and when they occur. The QISD will keep all of its membership posted on news south of the border through the newsletter and QISD web site.

This development is one of the first stepping stones in moving towards a national body for Steel Detailers. It just goes to show how far we have progressed and how much we have achieved in our first couple of years.

Social Events – QISD GOLF DAY....

The QISD's annual Golf day will be held in October. A final date has yet to be confirmed but it will be somewhere around 22nd October. This year the event is to be held at Nudgee Golf Club located on the north side of Brisbane. Nudgee Golf Club has 2 18-hole courses on site and we will be playing on the South course.

Please take the opportunity to join fellow members for a day of fun.

Is located at just north of the airport with close access to the main highway. Arrival time is around 11:30am for lunch with tee off time at 12:00 to 12:30pm. The format of the will be an Ambrose

event similar to last years event. Nearest the pins, approach shots and longest drive's competitions will also feature in the round, we will then return to the clubhouse for presentations, refreshments and snacks.

**Social Events – QISD GOLF DAY Continued.....**

Costs for the day will be dependant on numbers, but at this stage it is expected to be \$ 35.00 to \$ 40.00, which includes green fee's for the round and hot snack finger food for after the game presentations.

Please contact Dave Stansfield to confirm your place on 07 5546 7441 or email on feedback@qisd.com.au. Those who attended last years event all agree it was a great day so join in and support this year's event.

Software Solutions....**Plaxo Quickly and Securely Updates Your Address Book**

Plaxo is a new tool that enables you to automatically update your address book. You no longer have to worry about whether your contact list is up-to-date.

Update your address book now! Download Plaxo Contacts and quickly update your address book. Plaxo seamlessly integrates into Outlook and **Outlook Express**, and gives you a variety of features for keeping your contact list up-to-date:

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- It's extremely **easy to use**
- Quickly updates your address book
- Automatically keeps you up-to-date with members
- Send your info changes to others
- Web access to your address book, anytime, anywhere

Supports:

- Outlook 2000, 2002/XP
- Outlook Express 5, 5.5, 6
- Windows 98/ME/2000/NT/XP

Download Plaxo and Get Up-To-Date Now

Immediately after you download Plaxo, you will be prompted to choose which people from your address book you want to get updated contact information from -- you can choose as many or few people as you like. Plaxo, on your behalf, sends a simple email message to each of these people showing the contact information you currently have in your address book on them and requesting them to correct the out-of-date information. The replies to these emails are processed by Plaxo and automatically inserted into your address book. You will receive notifications from Plaxo as the update replies come in.

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You can also use Plaxo to send your own updated contact information to selected people in your address book. Plaxo allows you to create two cards so that you can offer different information to different people: your Business card and your Personal card.

For example, you might want to put your home address and phone number on your Personal Card, but only give this out to close friends and family. And, you may choose to put your work information (or whatever public information, you feel comfortable giving out) on your Business Card. Plaxo gives you complete control over who can see which card. You can even choose to make both of your cards private so that no one sees them without you explicitly giving permission.

Once you create your cards, you can send them to anyone in your address book. If they are not Plaxo members, they will receive an email containing your card. If they are Plaxo members and you are in their address book, your information will be automatically updated. If you are not in their address book, they will receive a message asking them if they wish to add you.

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As your friends and contacts join Plaxo, you will be automatically kept up-to-date -- no emails necessary. Your address book will be automatically kept up-to-date with the latest contact information of your friends and contacts that join Plaxo. This synchronisation happens automatically on a daily basis (as long as Outlook is running).



*Software Solutions – Continued....***Plaxo Today**

Once Plaxo is installed on your computer, you will notice the "Plaxo" toolbar with the standard Outlook toolbars. Use this toolbar to access "Plaxo Today". The Plaxo today panel gives you access to a variety of Plaxo features from within Outlook or Outlook Express. You will be able to send more update requests, edit your cards, and send your own information updates, whenever you wish. You will also notice that your Contact summary page displays a Plaxo icon on the cards of people who have joined Plaxo. Also, you will notice that Outlook's detailed contact card contains some extra information and features.

Plaxo gives you 24x7 Web-based access to a secure back-up copy of your contact list. You can sign-in to Plaxo with any Web browser and get access to your complete address book when you are away from your desk. You also have access to the Plaxo features available inside Outlook (e.g. send update requests, edit your cards, send your cards, etc.).

For further information log onto www.plaxo.com

Design Document Checklist....

Following the work carried out by the QISD on Design Documentation Checklists for the ASI paper on Design Documentation Quality; the QISD Management Committee has developed the checklists further for the use of QISD members. The QISD's contacts within the industry have allowed us to secure approval from the Heavy Engineering Research Association group in New Zealand to utilise the checklists that were developed for the ASI for our own use. The checklists will be developed further to take into account the architectural facets of the Steel Detailing industry.

The Management Committee's aim at this stage is to have the Design Checklist document ready and available for use by QISD members by November this year. We will be tabling the document at the general meeting, which will be held in conjunction with this year's General Meeting following the AGM. A prior release of the checklists will enable QISD members to review the document and have their input at the General Meeting.

QISD Position Paper's....

The QISD Management Committee has been working on developing an official Position Paper on the topic of "Industry Standard Acceptable Design Documentation". Although in its early stages, the committee hopes to have a draft ready to show members at the general meeting in November. As with the Design Documentation Checklist, we will endeavour to have the Position Paper draft released to all QISD members prior to the meeting, which will enable QISD members to review the document and have their input at the General Meeting.

QISD Involvement with IEAust Quality Panel....

The QISD's involvement with the Institute of Engineers Documentation Taskgroup has been maintained over the last few months with progress being made on many fronts. There is a very real industry concern with regards to the quality of design documentation with other organisations such as the ARIA and the QMBA hosting their own member meetings to discuss and identify the problems.

The IEAust Taskgroup is at present going through the throws of establishing a management framework through which the next steps of gathering input from all the relevant stakeholders can be achieved. With this path in mind, the Management Committee has decided to step down from its current role sitting on the Taskgroup panel and preparing to focus on input as an industry stakeholder. The QISD's involvement from here on in will be that of a stakeholder group and our aim here will be to promote the Steel Detailing Industry and to safeguard the interests of our members.

As the process continues we will continue to work hard on behalf of all QISD members and keep you informed and up to date with progress on this most important industry issue.



PI Insurance... .

Over the past months the QISD has been researching into PI insurance. We must say that during our research we have discovered, as already thought, there is not a clear appreciation of our industry and where we sit within the overall construction industry.

Some of our members may have recently received a letter from Building Industry Solutions. The QISD has contacted them and discussed the interests of the all members on this matter. The manager Mr Lance Patison advised that they already have companies members of the VISD on board and invites all QISD members interested in this matter to contact him direct for an individual assessment of their business needs.

Contact details:
Lance Patison
03 9554 3242
email: bis@satlink.com.au

The QISD will endeavor to follow up this matter in the future and will keep members informed of further outcomes.

ASI Queensland Steel Awards... .

Recently on the 15th of August the ASI Queensland Steel Awards were held at the Sheraton Hotel. The QISD again provided a member to the judging panel for this year's award. The awards process starts some months in advance with a call for entries in the various categories followed by two judging sessions. The three categories this year were the Architectural Steel Design, Structural Engineering Steel Design and Metal Building Products Design awards. The awards culminate with dinner and presentation and for those that didn't attend this year's event the evening was both fun as well as a chance to catch up others in the steel industry.

Several QISD members were mentioned for their contributions on various projects during the presentations given. **Online Drafting** was mentioned for their work on Suncorp Stadium, which was awarded first prize for the Structural Engineering Steel Design category. **SteelCad Drafting** was involved in the Audi Centre Brisbane, which was among the short listed entries reviewed by the judges.

The QISD continues to support the ASI's initiative in holding these awards to showcase the use of steel in a variety of different structures around Queensland.

Australian Steel Convention 2003... .

This year the Australian Steel Convention was held at the Hyatt - Sanctuary Cove on the Gold Coast. Starting with a round of golf on Sunday 7 September the convention ran through to the afternoon of Tuesday the 9th. With over 300 delegates the event was certainly well attended. Participants from New Zealand and all states of Australia included steel producers, merchants, galvanisers, engineers, industry representatives, government departments, fabricators and detailers.

Presenters at the convention ranged from Australian Steel Industry leaders to International Key-note speakers sharing their experiences and forecasts. In addition to being an interesting and informative event the convention also provided participants with ideal networking opportunities.

A social highlight was the dinner on Monday evening held at Dreamworld theme park. Convention delegates and their partners were treated to a night of fabulous food and entertainment punctuated by moments of thrilling excitement; namely the Tower of Terror.

The Convention offered participants with an occasion to relax and to have a look at what's happening in the Steel industry. It also provided an opportunity to get to know other people who face the same highs and lows in this cyclical business and to be informed about the directions in which the various industry players are headed.



Australian Steel Convention 2003 – Continued.....

Due to the success of this year's event, The Australian Steel Institute, organisers of the convention, have indicated that next year's convention will also be held at a resort location in south-east Queensland. Keep an eye on the ASI website for more information and feedback.

Industry Product Update: Number 1...

There have been reports of problems within the industry with regards to the use of fascia purlins. Both Stramit and BHP Lysaght have some of their fascia purlin stock rolled by secondary sources here in Brisbane. There have been instances where purlins have been rolled with the hole locations in the vertical not as per the product catalogues. The holes in a fascia purlin are meant to be located 65mm down from the top of the purlin and then down another 110mm. The rollings that are locally produced have been done to 60mm down from the top and then 110mm.

Stramit Industries in Brisbane have indicated they will be reviewing the specification details given to their subsidiary supplier and making sure product is being produced within the tolerance limits set within the published product catalogues. Verbal contact with BHP head office in Melbourne at the beginning of August has yielded the same response, with BHP confirming that their product catalogue details are correct.

So, the advice the QISD has been given, is to continue to prepare fascia purlin detailing drawings with the rollings as per the product catalogues with the holes down 65mm from the top of the fascia member. To stray from the product catalogues should only be done under specific instruction from your client. The QISD would suggest ensuring that any instruction to provide a product different to that shown in the catalogues should be backed up by a specific written request clearly outlining any new details to be used.

Industry Product Update: Number 2...

Following the QISD's product tour of Webforge Brisbane some problems have come to light with regards to stair treads. The details of the endplates to stair treads have been modified in this catalogue and there is some confusion as to what the company is offering. The endplates have now been noted with a slotted hole, which apparently was being used to be able to pick up both 100 and 125mm hole centres. The problem that has arisen is that the slot is not long enough to accommodate both these hole centres.

Also, the tread width of 245mm has been changed from 100mm hole centres to 125mm hole centres as per the table on page 30 of the new product catalogue. This poses a problem for Steel Detailers in that Webforge 245mm stair treads are now different to other suppliers in the industry. Weldlok, for example, have 100mm hole centres in the endplates for 245mm stair treads.

So a word of warning to all QISD members who are involved with the type of work in which stair treads are used. To be able to detail with confidence in cases where this tread width is involved, you will have to find out from your client who their supplier is going to be as it is no longer a case of being able to an industry standard product. A follow up call to the actual supplier to confirm stair tread bolting centres for Webforge products would also be advisable.

If we find out any more details we will pass them on in future editions of the QISD newsletter.

Found out about a problem lately?

If you have come across a problem that you think may be of relevance to your Steel Detailing colleagues, why not drop us a line at feedback@qisd.com.au. The QISD will investigate all problems reported and advise by way of the newsletter any results. By sharing this sort of information we are all making a contribution to a better Steel Industry.



From the 'Handy Tip' Department : Number 1...

Ever lost your mobile phone and had that terrible feeling that someone has pinched it and is using your phone to catch up with their long lost relatives in Germany? Well, this issue Handy Tip may be of some help to you. Every mobile phone has its own unique 15-digit serial number. To access this number you simply press Star-Hash-Zero-Six-Hash (*#06#) and the serial number of your phone will be displayed. Write down the number and keep it somewhere safe that is easy to remember. Should your phone get stolen, you can get in touch with your service provider and give them the serial number of your handset. They will then be able to block any calls from your handset so even if the SIM card is changed the phone itself will remain totally useless. This obviously doesn't get your phone back, but it will stop any unauthorised use and make sure you don't get any nasty surprises with your phone bill. Doesn't work on CDMA Phones.

From the 'Handy Tip' Department : Number 2...

The email you have just received is a virus warning. It says to check out a certain file on your computer to see if it is there. Usually a file with a funny looking icon beside it will be targeted. The email states that you must delete this file as it contains a virus that will harm your system if you don't remove it immediately !!!!

Now, you can go 2 ways here. Firstly, you can believe what is on the email and delete the file as it suggests or you can do what you should do in this situation. Jump on to the internet and log on to any of the recognised virus protection software companies such as Norton's, McAfee or Pcillin. These legitimate virus protection companies have, as part of their website, a section that is dedicated to virus hoaxes. Look through or do a search for the virus your suspect email has told you about and 9 times out of 10 you will discover that you have been sent a virus hoax.

The next step – Simple. Delete the email and get on with your day without having any more of your time wasted.

QISD Membership Renewals....

Renewal date for membership to the QISD is the 30th September 2003 and once again the next twelve months are shaping up to be exciting for QISD members. The hard work of the management committee over the last year is now showing benefits with QISD input being sought by various stakeholders in the Steel Industry. Our Field Trip programme kicked off successfully this year and will continue through 2004. The QISD will continue to bring the latest market and product information into the limelight for QISD members. Our discussions with similar organisations in Victoria, West Australia and New South Wales are continuing thus keeping QISD members abreast of Steel Detailing developments on a national level.

As reported this time last year the QISD has made inroads in tackling the Steel Detailers largest issue – That of design documentation quality. The QISD's greatest achievement has been to be invited to put forward the Detailers viewpoint in various seminars and workshops held by the likes of Institute of Engineers Australia and the Australian Institute of Quantity Surveyors. The QISD progress over our first 2 years is testament to the hard work the QISD contributing membership and management committee. The management committee will continue to focus on the Institutes Aims and Objectives for the betterment of the Steel Detailing industry. To continue the work we have begun we rely on the full support of our members. We strongly encourage all existing members to renew their membership. The more detailers we represent the more impact we will have in tackling the detailing industries problems. Remember that this is your QISD and it is only in existence to help and develop Steel Detailers, so get involved and have your say in your future. Talk to workmates and colleagues who don't belong to the QISD about the benefits in being a part of improving your industry. Sitting on the fence is not the answer - if they haven't the foresight to be part of the QISD then they forfeit their right to whinge about the less desirable facets of our industry. Working together we have made a difference. Let's continue to do so.

Membership renewal fees have remained the same for the last two years and of course your membership subscriptions are completely tax deductible. As you know the QISD is a non-profit organisation and all the work carried out is done 100% voluntarily by the members of the Institute. The management committee takes this opportunity to thank you in advance for supporting the Institute that supports you, as we strive for even greater successes for 2004.



Events Calendar.....

| Date | Event |
|------------------|----------------------------|
| 7 October 2003 | IEAust Debate |
| 22 October 2003 | QISD Golf Day |
| 5 November 2003 | QISD AGM & General Meeting |
| 26 November 2003 | Southern QLD Steel Tour |
| February 2004 | Next Newsletter |

Feedback....

As requested in previous newsletters for the Institute to know what issues are really concerning its members we need to get constructive feedback. If you have any specific issue or ideas please find the time to write them down and send them through to the committee for due consideration.



Feedback Form

This is **your** QISD so please take the time to let us know what you think.

Fax to QISD: (07) 3844 9477
Email to QISD: feedback@qisd.com.au
Post to QISD: QISD
 PO Box 8250
 Woolloongabba
 Brisbane Qld, 4102

Comments:

*Thank you for your input,
Queensland Institute of Steel Detailers*