

Value Engineering trims a month off programme



Caprice's new distribution centre on Swanson Rd, Henderson

This warehouse for Caprice NZ Ltd was to have been completed at the end of January 2012 but finished four weeks ahead of schedule. Haydn & Rollett's Project Manager Richard Powell gave D&H the opportunity to do some value engineering and accepted an alternative design. "Instead of using standard steel members that would have involved some beam cutting, D&H recommended tapered Custom Welded Beams with minimal wastage. This design also made the building easier to construct."

Richard adds: "It helps when you have the expertise in-house to say whether or not proposed design changes are acceptable."

D&H General Manager Wayne Carson says the agreed changes were quickly carried through to the shop drawings and fabrication got underway. Value engineering involves making full use of all the experience available."

Health & Safety Awards

D&H is on a constant quest to enhance Health & Safety, so when employees suggest practical ways of making improvements, management makes sure that their contributions are properly acknowledged, appreciated and adopted. Abinesh Naidu is thanked by Works Manager Jim Denham for improving the safety of Inwards Deliveries. (contd p.2)



John Andrew



This is phase one of what will be the John Andrew Ford & Mazda Car Showroom and Service Centre on Auckland's Great North Rd. At 30 x 18 metres, just a small job for D&H, but perfectly formed, with the workshop below. Inside, the clean lines of steel and glass have one clear message: You're here to buy a car!



Thanks Jim Denham



After 37 years with D&H, our Works Manager says it's time for a new phase in his busy life. He can be proud of his dedicated service – especially of his guiding hand in the company's Health & Safety Practice.

"My career watchwords were organise, motivate, lead. Don't forget to enjoy!"

(Health & Safety Awards contd. . .)

Establishing, monitoring and maintaining a corporate culture of Health & Safety is a cost driver. It requires an ongoing commitment by the company and a sharing of the vision by every employee, every single working day and night. Vigilance is required not only in the controlled environment of the workshop but also on every worksite. How special it is then when a main contractor such as Naylor Love Construction makes an exceptional award to a D&H rigging crew for Excellence in Site Safety.



Rigging Foreman Dean Rafferty (2nd from right) says Naylor Love ran a Health & Safety On Site competition, which he and his team of Liahonna Ahchee (Rigger), Isaac Thompson (Boilermaker/Rigger), and Tom Heather (Crane Driver) are very proud to have won. "Naylor Love gave us vouchers for a well-known supermarket. Can't beat that for real recognition! Fact is, though, we practise Health & Safety on all of our projects. Our lives and our families depend on it!"



In our next issue, **Update** . . . will show some of the latest innovations that help keep D&H on the leading edge of Health & Safety in the workshop and on the worksite.

Kopu Bridge Opens the Coromandel

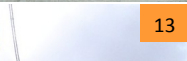
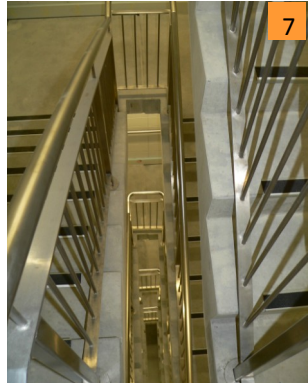
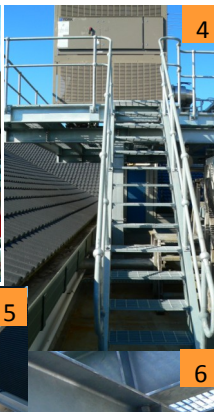
Stretching 580m across the Waihou River, the new Kopu Bridge replaces the one beside it built in 1927/28.

PM John Key does the honours watched by former Transport Minister Steven Joyce, NZTA's Chief Executive

Geoff Dangerfield and Board Chair Chris Moller. Hundreds walked over on opening day 12 Dec. 2011.



The Add-on Attraction of D&H Metalwork, Infrastructure & Temporary Works



—Key—

1. Part of the cladding renovations made to the Rob Roy Building ('The Birdcage') - a laser-cut curved panel of COR-TEN weathering steel used for the entrance canopy.

2. & 3. Front and back view of New World perforated signage and support structure.

4., 5. & 6. The air-conditioning chiller for Southern Cross Hospital. The entire unit was pre-assembled in the car-park prior to being lifted to the roof and connected during a 24-hour switch over. This called for logistical intensity to get it right first time!

7. & 8. At the new ADHB Hospital Car Park, we used stainless steel for the main public stairway and mild steel galvanised balustrading for the fire escape.

9. Butchers' rails being installed in a New World cold-room.

10. & 11. A total of five x 12m high air-vent stacks (1350mm diam.) were fabricated and installed at Fisher & Paykel Building 3, East Tamaki, each with a branch pipe cut and welded, inspection covers and drain plates.

12. An example of various customised canopies installed at Lion Nathan Breweries using both stainless steel and mild steel with hot zinc spray protection.

13. Steel shuttering forms the moulds to make concrete "H"-section piles for a retaining wall at Stoddard Road interchange. Why steel? The civil engineer's prescribed tolerance was stringent.

We can work it out !

Steel construction projects often need an additional service, some examples of which are shown on this page. For the main contractor, this can be a headache. What to do? Call in D&H's Colin Ross. He combines a



can-do attitude with a lifetime's experience delivering practical solutions that can simply be added on to the main D&H structural steel contract.

"It's all based on our reputation," says Colin. "Mine is based on my problem solving abilities and my contacts throughout the industry. If there's a nut I can't crack, I'll know someone who can. D&H's reputation is based on experience and adding value. It tends to work best when we're involved early and can influence the scheduling sequence. If you need help with meeting a challenge, give me a call on 021 422 819."

**'Experience
Our Strength'**

Project Management
3-D & Shop Drawings
Fabrication
Protective Coatings
Site Management &
Erection
Innovation

D&H Steel
Construction Ltd, 42
Brick St, Henderson
0610, Waitakere, NZ
PO Box 104257,
Lincoln Road,
Henderson 0654,
Waitakere, NZ
Ph: 09 839 7250
Fax: 09 836 7169

www.dhsteel.co.nz

Key D&H People:

Mike Sullivan
Managing Director
Wayne Carson
General Manager
Dave Gulland
Workshop Manager
Rod McIntyre
Commercial Manager
Mike Thompson
Detailing Manager
John Frederickson
Custom Welded
Beams
Tony Smith
Chief Estimator
Dean Pouwhare
Site Manager
Adele Hikuroa
Accounts
Kevin Thomas
Purchasing Officer
Megan Aitken
Document Controller
Colin Ross
Project Manager

For enquiries, call
09 839 7250

Pricing

Tony—ext. 206

Custom Welded
Beams

John—ext. 219

Metalwork

Colin—ext. 237

General

Wayne—ext. 205

At AUT we customised beams Fabsec-style

**CUSTOM
WELDED
BEAMS**

Under its Fabsec licence, D&H made *Fabsec* software available to BECA in the initial concept design process for the new AUT building in the University of Auckland WG Precinct. BECA's Technical Director – Structural Engineering, Andre Kirstein, said: "The use of cellular beams enabled the internal space to be opened up, resulting in the 'removal' of 10 internal columns, giving



the client greater planning options for future changes. D&H had no hesitation in providing information and assistance enabling our structural design team to quickly determine the beam layout and configuration that offered

the best design solution for all the building services. BECA is currently busy with two more design opportunities where, because of the success of Fabsec on this project, cellular beams are being seriously pursued as the best option."

Welding Knights of the Workshop



Lawrie Leefe

"I joined D&H Steel in 1974 on completing my apprenticeship. You'd think that by now I'd have nothing new to learn, but with the design of new buildings there's plenty to get excited about. Two of my sons also work for D&H. They smile at me when I tell them the current ABs are soft. I don't have to tell them to respect the older hands here — they just know!"

Jake Faafua

"I was born in Samoa 1955 but brought up in New Zealand so I'm Kiwi at heart. Been with D&H since 1988. My wife Rebeka and I have three sons. How many big jobs have I worked on? More than you have space for! It's the challenge of what you get to do that I like. Good work: good guys to work with. Rebeka and I enjoy walking on weekends. Wind-surfing for me when the conditions are right."