

STEELPENCIL

▶ STRUCTURAL DETAILING SERVICES

Steel Pencil is New Zealand's leading structural detailing consultancy. We have the expertise and experience to meet all your detailing needs whatever size your project, wherever it's located.

We can:

- Prepare and/or complete structural steel shop drawings before you let the tender so subcontractors can accurately cost their involvement.
- Prepare precast concrete shop drawings and coordinate with structural steel shop drawings to ensure a complete fit.
- Incorporate HVAC, services and plant in the model, again, to ensure a complete fit.

These services help to make sure all elements of your project are appropriate and accurate. There will be no costly rework due to inconsistencies, no waste of precious construction time.

TALK TO US TODAY

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Steel Pencil Ltd

Getting down to detail

The bottom line for Palmerston North company, Steel Pencil Ltd, is that their work saves clients money.

Steel Pencil has been in business for six years, with offices in both Palmerston North and the Philippines capital, Manila, and works in the highly technical field of structural detailing.

"Structural detailing takes design drawings and effectively collates the information and provides workable drawings to fabricators and the like," says Reegan Lawton, director of Steel Pencil.

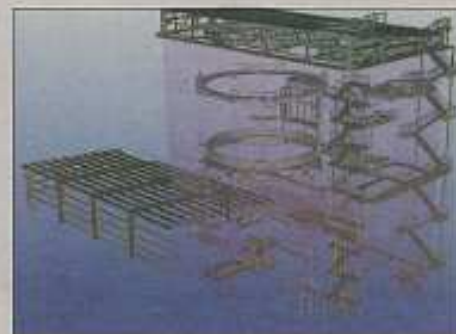
Using 3D computer-modelling software, Steel Pencil takes the 2D paper designs for construction, retail, commercial and material-handling projects and creates virtual 3D models. As well as providing fabrication drawings, this also allows clients to see what the finished building or system will look like, and allows for early co-ordination and refinement before any actual work begins.

"It's a career that many don't know about, but it can be richly rewarding for anyone with a practical bent," says Lawton. "We employ people from a wide range of backgrounds – from welders, builders and people from the workshop floor, through to architects and engineers. If you are practical, willing to learn and can take on a challenge, we'd love to hear from you. The work is well paid and offers great benefits."

Lawton says 98 per cent of their projects are from overseas, in part because New Zealand companies aren't as aware of the benefits of using the 3D BIM (building information modelling) process and its full potential.

"Our work enables the designs to be used by fabricators, main contractors and consultants. By detailing and analysing every stage of the building process, we can save the client a lot of money and heartache by picking up costly errors and oversights before they become problems. It's ironic to think that the construction industry is one that rarely prototypes the project before commencing the build, but the question really is – who can afford not to?"

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Steel Pencil 3D model of Dairy Trust project