Supplying the future of steel and concrete detailing

CSD Drafting

Part of CSD Group Australia Pty Ltd

1 INDUSTRIAL Tekla BIM Awards 2017 Australia & New Zealand

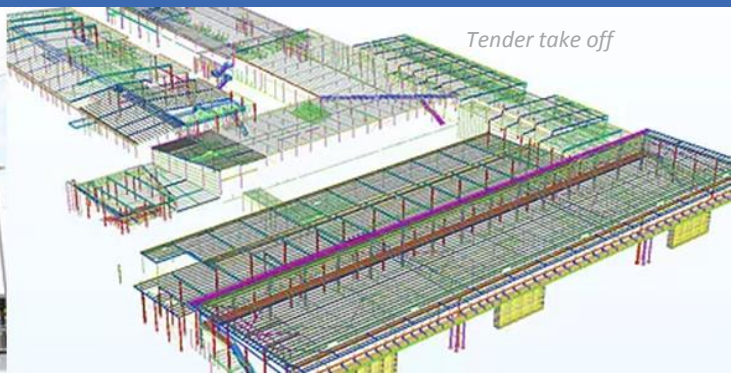
Industrial Project Category Winner

CSD Drafting provides high quality shop drawings, Tekla models, tender modelling and project consulting.

Our highly experienced steel detailing team has a combined over 100 years of experience working on commercial, industrial, materials handling and marine steel detailing projects. Tekla software enables our team to undertake concrete and rebar detailing, providing a full interface solution to any construction project.

CSD Drafting is part of CSD Group Australia Pty Ltd (CSD Group). Established in 2013, CSD Group has worked on projects in Australia, Hong Kong and Papua New Guinea. CSD Group has four units: CSD BIM, CSD Drafting, CSD Engineering and CSD Site.

Geebung Railway Overpass
Steel detailing



Tender take off

SERVICES

Steel detailing

Using the latest technology in Tekla Structures and following the advanced design practices seen currently in Europe, we provide the following services as standard inclusions in all our detailing and drafting packages:

- Fully detailed shop fabrication drawings
- Fully detailed general arrangement drawings
- Fully customised reporting
- Computer numerical control (CNC) manufacturing data
- 3D models in any format
- Fully complete building information modelling (BIM) and integration
- BIM collaboration with "live" model to site.

Concrete and rebar detailing

Using Tekla Structures, the latest technology in the Trimble product range, we offer concrete and rebar detailing alongside advanced reporting and pour scheduling. Our services include:

- Fully detailed slab and pour plans
- Fully customised reporting for rebar, pours and volumetrics
- Pour scheduling and progress reporting
- 3D models in any format
- Fully complete BIM modelling and integration
- BIM collaboration with "live" model to site.

Tender take off/ Procurement models

The tender process is a pivotal procedure in all construction companies and is often prone to misinformation, inaccuracy, omissions and the loss of contract awards. CSD Group can do full modelling and take off capturing steelwork, bolts, connections, concrete, rebar and more. Model take offs provide accuracy to within 2% at tender stages and can capture the following:

- Full steel work take off including connections
- Full cold rolled take off including bridging
- Bolts
- Grating and floor plate
- Concrete and rebar.

Concrete and rebar detailing

AUSTRALIA

QCLNG FIELD COMPRESSOR STATIONS

The Queensland Curtis Liquefied Natural Gas (QCLNG) field compressor stations awarded by Industrial Maintenance Fabrications Pty Ltd consisted of the Poppy, Celeste and Kenya East facilities. These were shop-detailed and supplied with pipe rack, mechanical and vendor items, all completed during the CSD Group detailing phase. This completed part of the works for the QCLNG development in the Surat basin.

240 tons steel work

HONG KONG

WEST KOWLOON TERMINUS

West Kowloon Terminus (WKT) is the multi-storey, 380,000-square metre terminus of the Hong Kong section of Guangzhou–Shenzhen–Hong Kong Express Rail Link (XRL), currently under construction. It is the only station on the Hong Kong side and will connect to the mainland China section through a dedicated tunnel. WKT will be located in Jordan, Kowloon. It is north of the proposed West Kowloon Cultural District between the Airport Express and Tung Chung Line Kowloon Station and the West Rail Line Austin Station, extending into the underground area of the West Kowloon Cultural District. The CSD Group worked on the drafting of the main station roof.

7,800 tons steel work

PAPUA NEW GUINEA

STAR MOUNTAIN PLAZA HOTEL

The Star Mountain Plaza will herald a new era for landowner initiated investments in Papua New Guinea (PNG) – a development by the people of PNG for the people of PNG. Star Mountain Plaza is an integrated development that will incorporate two hotels for business and leisure travellers and PNG's first Convention and Performing Arts Centre. Hilton will manage Hilton Port Moresby and the convention centre. The development includes the construction of a 16-storey, mixed-use tower that will house the 212-room Hilton hotel, along with office and retail spaces and 128 apartments. The CSD Group was awarded the drafting for the Hilton hotel.

770 tons – utilises composite floor design

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Industrial Maintenance and Fabrications Pty Ltd
(p3, QCLNG field compressor facility)
www.archdaily.com (cover and p3, West Kowloon Terminus)
Ignite Architects (p3, Hilton Hotel)

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