RDM DRAFTING

CAPABILITY STATEMENT

2026

Structural steel · Precast · 3D laser scanning

AUSTRALIAN OWNED & OPERATED · GOLD COAST, QLD

STEEL & PRECAST DRAFTING YOU CAN RELY ON

Structural steel shop drawings, precast panel detailing and 3D laser scanning — clear, coordinated drawings our clients know they can depend on.

WHO WE ARE

Local, reliable detailing

RDM Drafting Pty Ltd is an Australian owned drafting and detailing business on the Gold Coast, Queensland. We model in Tekla Structures, collaborate through Trimble Connect, document in AutoCAD and scan existing structures with our own Trimble X7.

We support fabricators, builders, precasters and project teams Australia-wide — from overflow support when things get busy to full jobs, start to finish.

> *"We aim to provide a reliable service — so you know what you'll get, every time."*
> ALEX McCANN, MANAGING DIRECTOR

~15
YEARS
Alex's experience in steel and precast drafting

900+
TONNES
Steel detailed on a single timber manufacturing facility

Tekla
STRUCTURES
Modelling, detailing, BOM and NC/DXF output

X7
TRIMBLE
Our own 3D laser scanner for as-built capture

Drafting & detailing services

From shop drawings to 3D laser scanning, we support fabricators, builders and project teams with clear, coordinated documentation.

Structural steel shop drawings

Fabrication-ready drawings from the Tekla model: members, connections, bolts and marks coordinated for the workshop floor.

→ **Fewer workshop questions, less rework.**

Precast panel detailing

Panel layouts, reinforcement and connection detailing for façade and structural panels, coordinated with the steel on the same model.

→ **Questions answered before panels are cast.**

3D Tekla modelling & renders

Structures modelled in Tekla Structures for accurate members, connections and quantities, with visual models for review.

→ **See design intent before steel hits the floor.**

3D laser scanning

Trimble X7 capture of existing conditions. The point cloud sits alongside the Tekla model; E57/RCP files or BIM models supplied.

→ **New work detailed to what's really on site.**

RFI management & coordination

Architectural vs structural checks, clash-style dimension reviews, RFI registration and issue tracking with the client.

→ **Issues raised early, not on site.**

IFA to IFC workflow

Drawings issued for approval, then IFC and fabrication drawings issued once approved, with revisions controlled.

→ **A clear, accountable path to fabrication.**

Advanced BOM, NC & DXF files

Structured bills of materials from the model, plus NC and DXF files for laser cutting and fabrication.

→ **Faster ordering, costing and cutting.**

Erection drawings & plans

GA/marking plans, holding-down bolt plans and construction documentation linking design intent to fabrication detail.

→ **Every piece in the right place on site.**

HOW WE WORK

A clear path from brief to fabrication-ready drawings

1. **Brief & drawings in** — Arch and structural packages reviewed and scoped.
2. **Modelling in Tekla** — Accurate members, connections and quantities.
3. **Checking & RFIs** — Arch vs structural checks; RFIs issued to you.
4. **Issue for approval** — Stakeholders approve before fabrication.
5. **IFC & fab drawings** — Approved packages issued for construction.

Tools, deliverables & sectors

Trimble X7 on site

SOFTWARE & HARDWARE

Tekla Structures	Primary modelling and detailing environment for structural steel and precast, from model to shop drawings and BOM.
Trimble Connect	Model sharing and collaboration, so project stakeholders stay on the same version of truth.
AutoCAD	2D documentation and drawing production where CAD workflows sit alongside the 3D model.
Trimble X7 laser scanner	As-built point clouds processed and brought in alongside the Tekla model.

DELIVERABLES

- Shop drawings
- Precast panel drawings
- GA / marking plans
- Holding-down bolt plans
- Bill of materials
- NC & DXF files
- IFA & IFC packages
- RFI register
- Tekla & BIM models
- Point clouds (E57, RCP)
- 3D renders

SECTORS

- Residential
- Commercial
- Industrial
- Main Roads
- Mining
- Modular
- Water treatment
- Infrastructure
- Education

Built for builders, fabricators and precasters

FOR BUILDERS

- RFIs raised early, directly with you and the engineer
- Drawings issued for approval before fabrication proceeds
- Turnaround times provided with every quote

FOR FABRICATORS

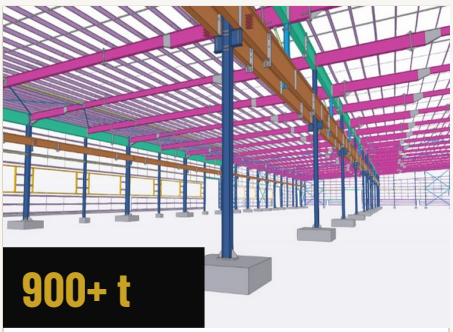
- Fabrication-ready shop drawings to Australian Standards
- BOM, NC and DXF files straight from the model
- Overflow support when you're busy, or full jobs start to finish

FOR PRECASTERS

- Panels detailed to the engineer's and precaster's design
- Steel and precast on one model, incl. steel-to-precast connections
- Existing structures scanned so new panels tie in

ABN 32 690 683 777 · Australian owned & operated · Professional indemnity insured · Drawings to Australian Standards

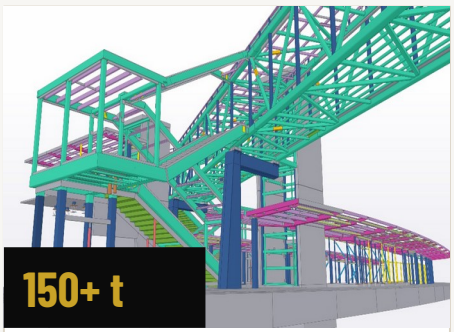
Proven on steel-heavy jobs



MANUFACTURING FACILITY

Timber manufacturing plant

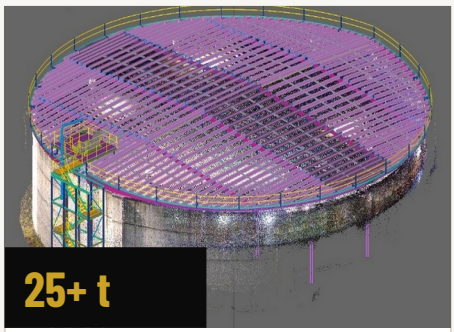
Complex steel detailing, incorporating crane rail presets and prechambers for optimised fabrication and installation.



RAIL INFRASTRUCTURE

Rail station upgrade

Steel detailing and site scanning, with accurate BIM integration for smooth on-site construction.



WATER INFRASTRUCTURE

Reservoir roof upgrade

Steel detailing with high-resolution laser scanning of the existing tank, so the new roof and stairs tied in properly.

ALSO DETAILED

Wastewater treatment plants

Water treatment steelwork

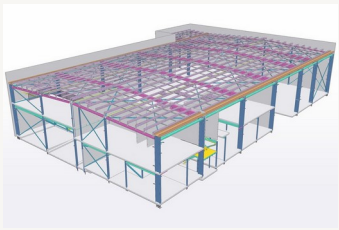
Industrial facility

Industrial: precast panels and steel

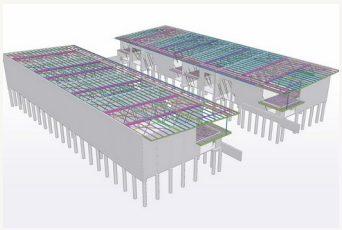
Commercial fast-food restaurant

Commercial steel

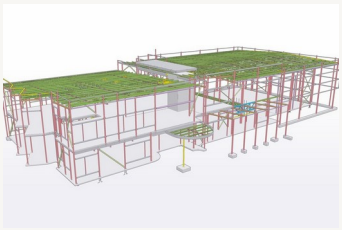
FROM OUR TEKLA MODELS



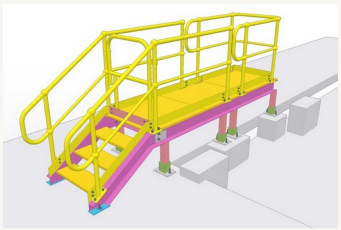
Commercial steel & precast, NSW



Industrial precast & steel, NSW



Education structural steel, SA



Industrial access platform, QLD

REQUEST A QUOTE

Have a project in mind?

Tell us about your project — steel, precast or 3D laser scanning — and we'll come back with next steps. Turnaround times are provided with every quote.

RDM DRAFTING

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Gold Coast, QLD · working Australia-wide