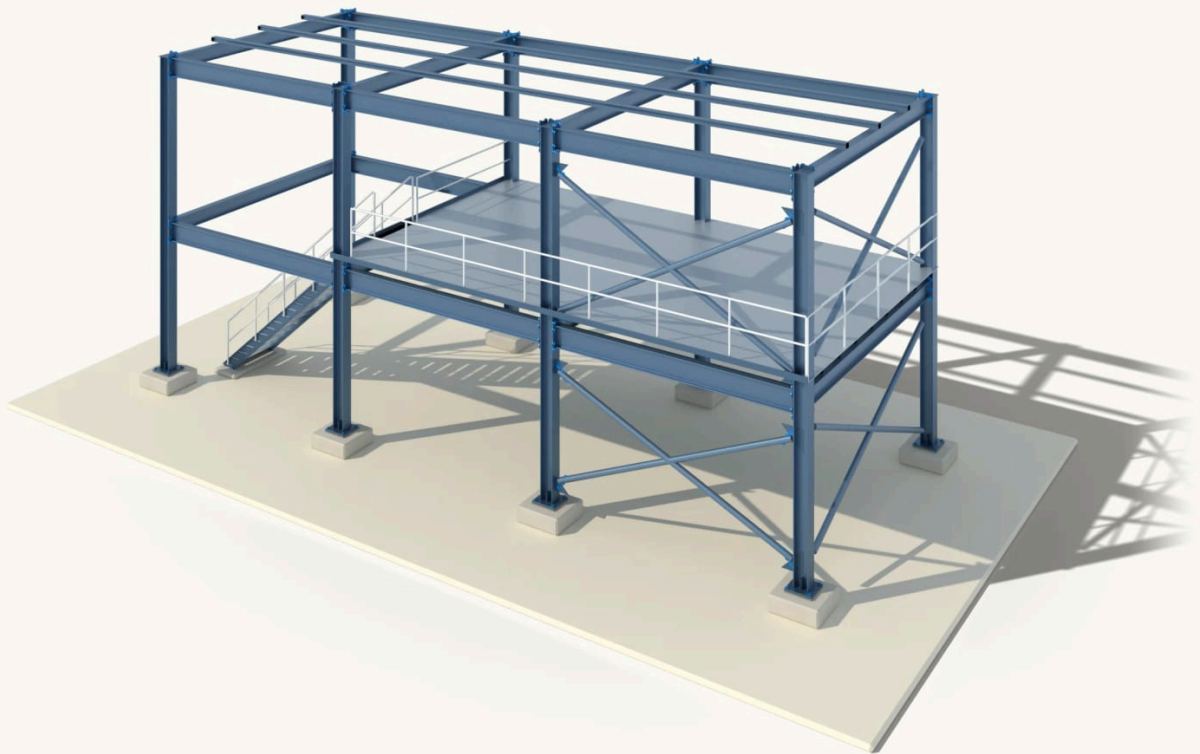


Steel detailing services

Drawings a fabricator can cut, weld and bolt from, drawn from the 3D model.



ILLUSTRATIVE 3D MODEL

SOFTWARE

Autodesk Revit, Autodesk Navisworks, AutoCAD

YOU RECEIVE

Shop and fabrication drawings (PDF, DWG); Erection and anchor-bolt drawings

REPLY TIME

A scoped quote within one working day. NDA first if you ask.

IN PLAIN WORDS

Steel detailing, explained.

IN PLAIN WORDS

Before steel is cut in a factory, someone has to draw every beam, plate and bolt exactly. We do that detailed drawing from a 3D model, so what the fabricator makes is what the engineer designed and the erector can put together.

Steel detailing turns the engineer's design into the information a workshop needs: every member numbered, every hole positioned, every weld and bolt specified. Errors here are expensive because they are discovered when a beam does not fit.

We model the steelwork in 3D, with its connections, then generate the shop and fabrication drawings, assembly and part lists, and where the fabricator needs them, files for CNC machines. Because drawings come from the model, they cannot disagree with each other.

LEVEL OF DETAIL

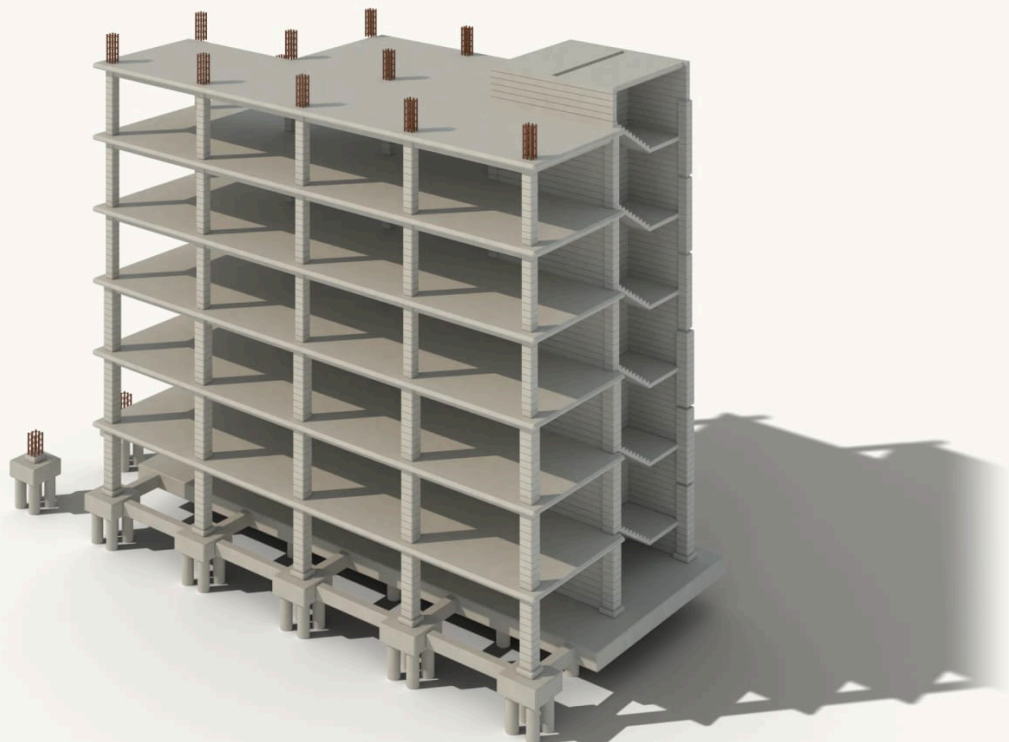
LOD 400 for fabrication-ready steel, with connections and fasteners modeled.

SOFTWARE AND FORMATS

Autodesk Revit, Autodesk Navisworks, AutoCAD. Delivered as RVT, RTE, IFC, DWG, PDF, NWD.

WHO IT IS FOR

Steel fabricators. Structural steel contractors. Structural design firms. General contractors managing steel packages.



— WHAT IS INCLUDED

What we build and deliver.

01 Steel shop drawings Piece and assembly drawings with dimensions, holes, welds, finishes and marks.	02 Connection detailing Bolted and welded connections with plates, stiffeners and cleats, modeled in place.
03 General arrangement and erection drawings Plans and elevations that tell the erector where each marked piece goes.	04 Staircases and miscellaneous steel Stairs, handrails, ladders, platforms, canopies, roof steel and supports.
05 Bills of materials and CNC data Material lists and machine-readable data for cutting and drilling, where required.	

What you send us

- Structural design drawings and the connection design or criteria
- Applicable steel detailing standard for the project
- Fabricator's preferences: member marks, bolt types, shop practice
- Delivery format for drawings and data

What you receive

- Shop and fabrication drawings (PDF, DWG)
- Erection and anchor-bolt drawings
- Bills of material and bolt lists
- CNC (NC) files where required
- 3D model (RVT or IFC)

— HOW A PROJECT RUNS

Four steps, **written down.**

01

Send us your drawings

Share what you have: DWG, PDF, a Revit model or a point cloud, with the services and level of detail you need.

02

We scope and quote

We read the drawings and write down the scope, the LOD and any assumptions, then give a fixed price or a rate.

03

We model and check

Our team builds the model, then checks it: model health, coordination and clash tests where in scope.

04

You receive the model

Revit, IFC, DWG, PDF and NWD files with a note of what we assumed and flagged. Revisions follow the agreed scope.

— WHERE WE WORK

UNITED KINGDOM

UNITED STATES

CANADA

AUSTRALIA

UAE AND THE GULF

EUROPE

Standards, units and working hours differ by region. Our market pages at www.sactik.com explain each one.

— COMMON QUESTIONS

Which standards do you follow?

We work to the standard your project specifies. The site lists AISC and others; agree the exact standard and edition for your project at the start.

Can you detail staircases and miscellaneous steel?

Yes. Staircases, handrails, platforms, ladders, canopies and sheds are part of the service.

Do you supply CNC files?

Where the fabricator needs them, yes. We agree the format and the machine requirements in advance.

Send us your **drawings.**

We reply with a scoped quote, usually within one working day. We will sign your NDA first if you ask.

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