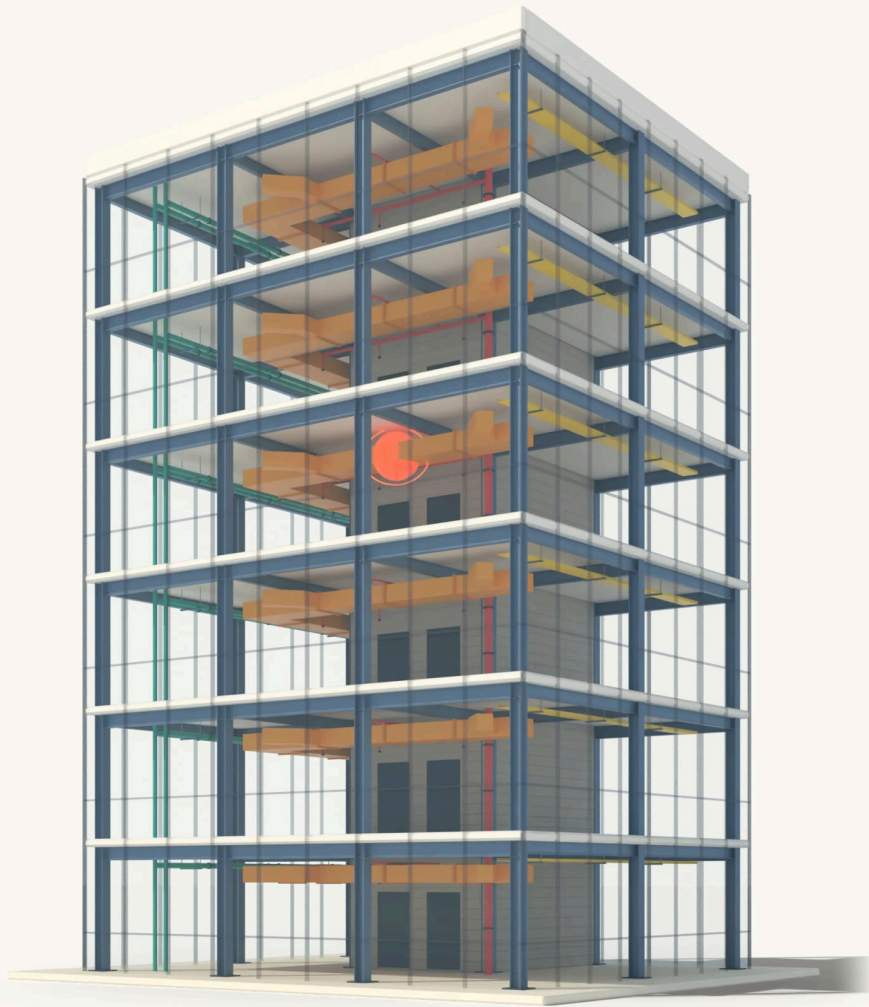


BIM clash detection services

We find where the pipe hits the beam, on a computer, before it is built.



ILLUSTRATIVE 3D MODEL

SOFTWARE

Autodesk Revit, Autodesk Navisworks, AutoCAD

YOU RECEIVE

Clash report (PDF and NWC or XML) per coordination round; Viewpoints with images and element IDs

REPLY TIME

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

IN PLAIN WORDS

BIM clash detection, **explained.**

IN PLAIN WORDS

A clash is two things trying to occupy the same space, like a pipe running through a beam. We test the whole 3D model, list every clash with a picture, and help your team fix them before anything is built.

Clash detection is the most direct return on a BIM model. Federating the architectural, structural and services models and running automated tests turns hidden conflicts into a numbered list, each with a location, a screenshot and an owner.

We distinguish three kinds. Hard clashes are physical collisions. Soft clashes are clearance failures, such as no room to access a valve or remove a filter. Workflow clashes are sequence and scheduling conflicts. We report all three clearly, and we do not stop at detection: we propose how each can be resolved, then re-test.

LEVEL OF DETAIL

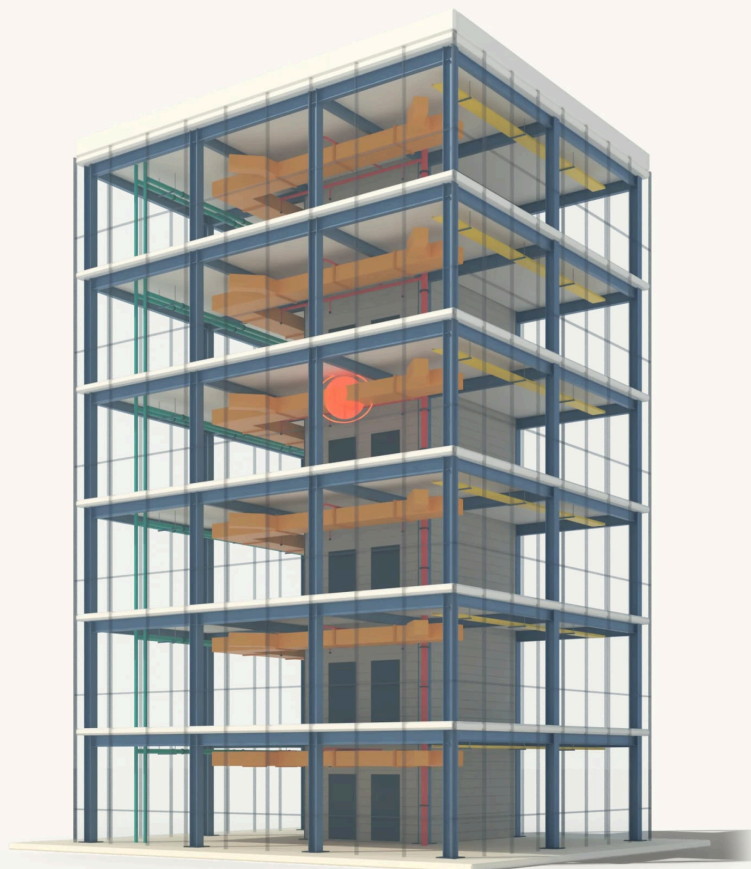
Most useful at LOD 300 to 350. Clash results are only as reliable as the least detailed model, so we agree LOD per trade at the start.

SOFTWARE AND FORMATS

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

WHO IT IS FOR

BIM coordinators and managers. General contractors. MEP contractors. Design teams checking before issue.



WHAT IS INCLUDED

What we build and deliver.

01 Hard clash tests Geometry-against-geometry collisions between disciplines, with sensible tolerances so the report is not flooded with noise.	02 Soft and clearance tests Maintenance access, ceiling clearance, equipment envelopes and fire-protection clearances.
03 Workflow review Sequence, installation order and information gaps that will cause site conflicts.	04 Clash reports Grouped, prioritized reports with images, coordinates, element IDs and a status for each issue.
05 Resolution proposals Suggested reroutes and level changes, agreed with the design team, then re-tested until the model is clean.	

What you send us

- Models from each discipline, as Revit, IFC or NWC
- A shared coordinate origin and level definitions
- Coordination tolerances and clearances the project requires
- Your title block, sheet size and naming standards
- A named contact for questions

What you receive

- Clash report (PDF and NWC or XML) per coordination round
- Viewpoints with images and element IDs
- Issue log with owners and status
- Resolved, re-tested federated model
- Summary of what changed between rounds

— 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

What is the difference between a hard and a soft clash?

A hard clash is a physical collision, such as a duct through a beam. A soft clash is a clearance or access failure, such as a pipe too close to a ceiling to allow maintenance.

Which software do you use?

Autodesk Revit to author models and Navisworks to run and report the clash tests. We can also work from IFC models from other tools.

Will you fix the clashes or only report them?

Both. We report each clash, propose a resolution, update our models where the fix is ours, and re-run the tests. Fixes that belong to another discipline go back to that team with our proposal.

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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