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HOW TO SURVIVE AS A BIM MANAGER · EPISODE 5

Surviving AI Model Checking

Auto-EIR
No EIR? Plannerly writes it for you.

Auto-Checks
If you can say it, you can check it.

WORLD FIRST

Auto-LOD
True LOD, checked automatically.

AI Model Checking

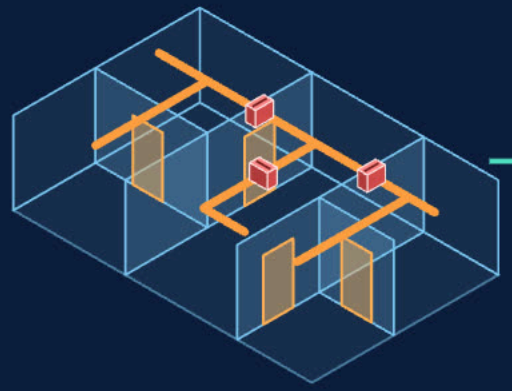
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Auto-EIR
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True LOD, checked automatically.

IFC Office_Model.ifc



Walls
Doors
Ductwork and fire dampers

The EIR WRITTEN FOR YOU

PROJECT (PIR)

Walls	412
Ductwork	1,204

ASSET (AIR)

Doors	168
Fire dampers	86

Each one with its questions

Report card

PROJECT - GEOMETRY

Detail	92%
Completeness	75%
Placement	96%
Purpose	88%

ASSET - INFORMATION

Information (COBie)	64%

COBie export | 3 issues sent

Checked the day it arrived

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THE WHOLE DIFFERENCE

Every check. All automated.

Geometry · information · documentation - even with no EIR, and LOD you can actually check.

Auto-EIR No EIR? Plannerly writes it for you.

Auto-Checks If you can say it, you can check it.

Auto-LOD True LOD, checked automatically.

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“Check the model” means all of this

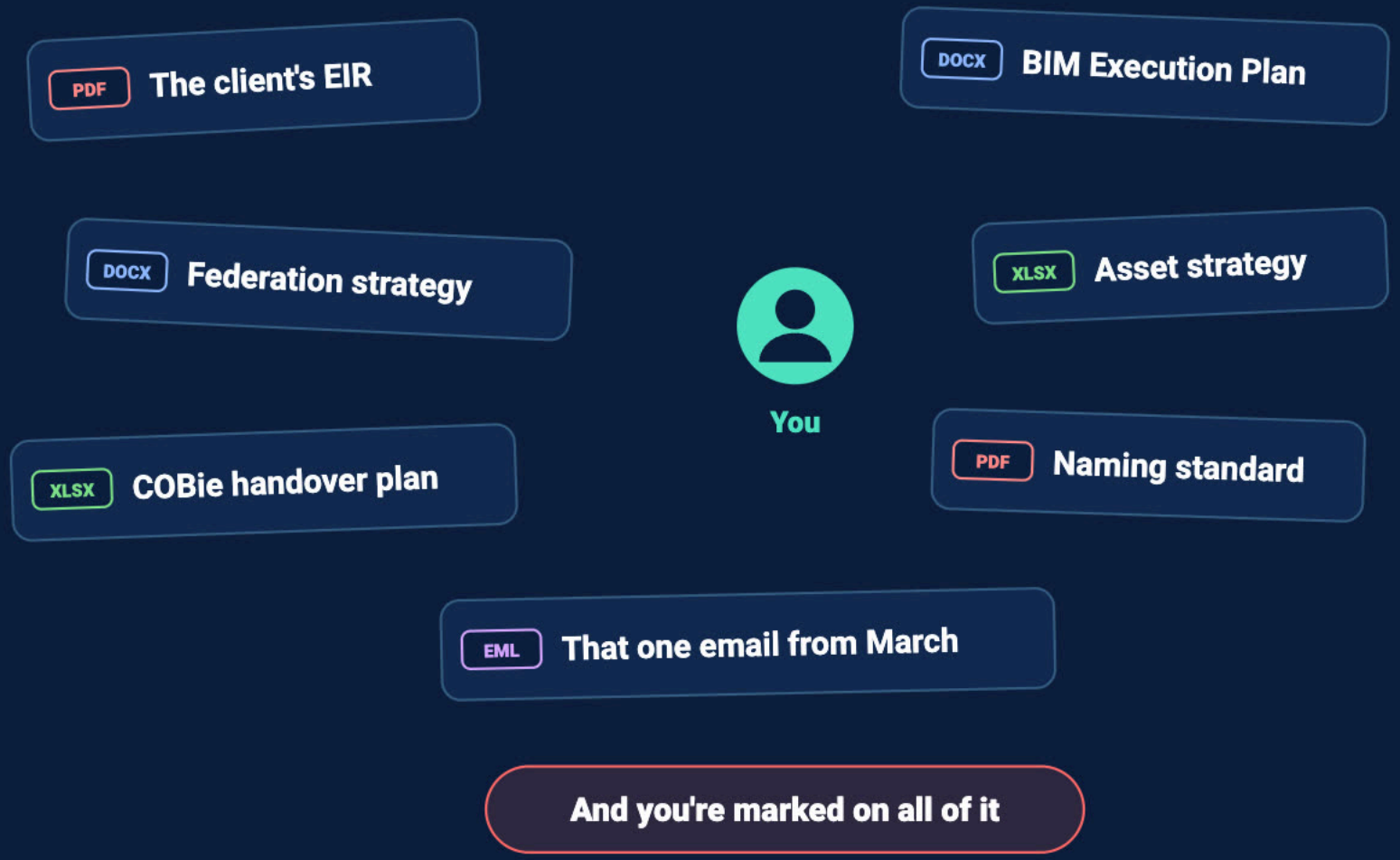
- Is the file there?
- Is it named right?
- Is it the right size?
- Is it in the right federation?
- Are the right elements in it?
- Is the information on them?
- Are the values any use?
- Is it the right detail?
- Is it in the right place?
- Is it complete?
- Does it clash?
- Clearances?
- Code?
- Quantities?
- Are all the clashes resolved?

Lots of different places, lots of different tools.

Auto-EIR | Auto-Checks | Auto-LOD

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And the questions are in seven documents



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THE CURRENT STATE OF EVERYTHING

Lots of formats. Lots of really good tools.

Solibri
Rule-based model checking and IFC quality assurance

Navisworks
Federating big models, clash detection and 4D sequencing

ACC Model Coordination
Automatic clash detection in the cloud, on every new version

BIMcollab
BCF issue management that works across every authoring tool

Revizto
Visual 2D and 3D coordination the whole team can follow

Dalux
Taking the model to site, on a phone or a tablet

simplebim
Cleaning, enriching and validating IFC data

Trimble Connect
Sharing and reviewing models in any format, office to site

Each one brilliant at its own job - **so every check gets its own tool, and its own expert.**

Auto-EIR | Auto-Checks | Auto-LOD

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WHERE IT BREAKS

Three things make a model hard to check.

Auto-EIR | Auto-Checks | Auto-LOD

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CHALLENGE 1 · NO REQUIREMENTS

Handed a model with no EIR?

~~EIR.pdf~~ Not found + Model.ifc Received = ?!

Join a project halfway and all you can do is a spot check.

Good luck finding what matters.

Auto-EIR | Auto-Checks | Auto-LOD

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CHALLENGE 2 · EASY TO WRITE, HARD TO CHECK

“Every fire damper needs the warranty contact's email.”

EIR §4.2 **Warranty contact email - required** → FD-104 · Fire damper `WarrantyContactEmail` *(empty)*

Easy to write. Turning it into a rule a checker can run is a different job,

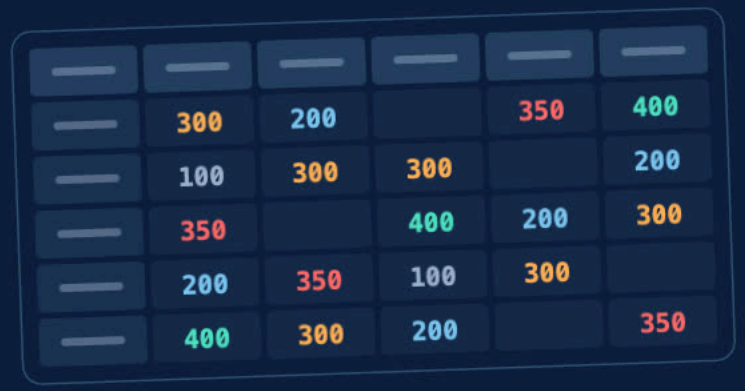
done by different people, in a different tool.

Auto-EIR | Auto-Checks | Auto-LOD

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CHALLENGE 3 · LOD

A thousand Excel cells = a thousand different opinions.



LOD 300 Typed into a parameter. Nobody can check the geometry.

The requirements weren't written so people could understand them, or so they could be checked.

So it all came down to interpretation.

Auto-EIR · Auto-Checks · Auto-LOD

THIS ALL ADDS UP

A check with no requirement is just an opinion.

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- ⚠ Told it's bad after you've delivered it
- ⚠ Requirements too vague to check
- ⚠ LOD is a value someone typed
- ⚠ Thousands of problems, no time for them
- ⚠ A different tool for every check
- ⚠ Everyone in the room for one clash
- ⚠ The right conversation, far too late
- ⚠ Rework, and more rework

Auto-EIR | Auto-Checks | Auto-LOD

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THE ISO 19650 IDEA

Check your own work before you share it.

Best practice says every team checks before they share.

Real projects find out at the meeting.

Auto-EIR | Auto-Checks | Auto-LOD

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What do we do about it?

1

Harder check at the end

2

Have more meetings

3

Make it open book

Everyone sees the questions up front - and checks their own work as they go

Auto-EIR | Auto-Checks | Auto-LOD

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Make it open book

Closed book

The questions arrive after you've handed in



Open book

The questions are there on day one



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OPEN BOOK

IT'S NOT A TEST TO FAIL.
AI HELPS EVERYONE GET IT RIGHT.

- **Everyone sees the questions up front** - written for you, even with no EIR
- **Say it in plain language** - AI turns it into the check
- **Check your own work as you go** - information, geometry and LOD
- **Everyone on 100%** - before the model is shared

Auto-EIR | Auto-Checks | Auto-LOD

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WHAT IF?

Auto-EIR

Auto-Checks

Auto-LOD

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WHAT IF

You found the problems before you shared the model?

Not at the coordination meeting. Not on site. Everyone checks their own work as they go.

Auto-EIR No EIR? Plannerly writes it for you.

Auto-Checks If you can say it, you can check it.

Auto-LOD True LOD, checked automatically.

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WHAT IF

You could dazzle your client even with no EIR?

Drop in the model and the project and asset requirements are written for you.

Auto-EIR No EIR? Plannerly writes it for you.

Auto-Checks If you can say it, you can check it.

Auto-LOD True LOD, checked automatically.

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WHAT IF

You could write the rules in plain language?

“Fire rating for doors in Spain.” AI writes the rule and checks every door.

Auto-EIR No EIR? Plannerly writes it for you.

Auto-Checks If you can say it, you can check it.

Auto-LOD True LOD, checked automatically.

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WHAT IF

LOD checking was automated?

The geometry itself, not a tag someone typed - detail, completeness, placement and purpose.

Auto-EIR No EIR? Plannerly writes it for you.

Auto-Checks If you can say it, you can check it.

WORLD FIRST

Auto-LOD True LOD, checked automatically.

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WHAT IF

Every check was in one place - and tied to payment?

One report for information and geometry, with the issues sent to the people who fix them.

Auto-EIR No EIR? Plannerly writes it for you.

Auto-Checks If you can say it, you can check it.

Auto-LOD True LOD, checked automatically.

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Three demos. One workflow.

One model, three steps: the requirements, the rules, then the check.

1 **Auto-EIR**

No EIR? Plannerly writes it for you.

Plannerly automatically writes the requirements from any 3D model, and splits them into project information requirements (PIR) and asset information requirements (AIR). You refine them and agree them, so even the project with the most non-existent EIR now has one.

Model → Requirements

2 **Auto-Checks**

If you can say it, you can check it.

Say what good looks like in plain language, such as 'fire rating for doors on a project in Spain', and Plannerly turns it into a structured requirement. It's reusable: it checks every model on every project the same way, and marks each value correct, incorrect or missing.

Your words → Rule → Checked

3 **Auto-LOD**

True LOD, checked automatically.

Today LOD is a number someone types into a cell in a spreadsheet. Auto-LOD connects the agreed requirements to the model, written so they can be understood, seen and checked, then checks detail, completeness, placement and purpose automatically.

Check → Report → Issues sent

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Auto-EIR

No EIR? Plannerly writes it for you.

- **Open the architecture model**
  Already in the project - nothing to upload
- **Pick walls and doors**
  Two tasks, in an Architecture work package
- **The requirements come back**
  Ready to check, right here in Verify



Auto-EIR No EIR? Plannerly writes it for you. | Auto-Checks If you can say it, you can check it. | Auto-LOD True LOD, checked automatically.

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Auto-Checks

If you can say it, you can check it.

- **Say what you need**
  "Fire rating for doors on a project in Spain"
- **AI writes the rule**
  On the doors task, in Verify
- **Check the information**
  Correct, incorrect or missing

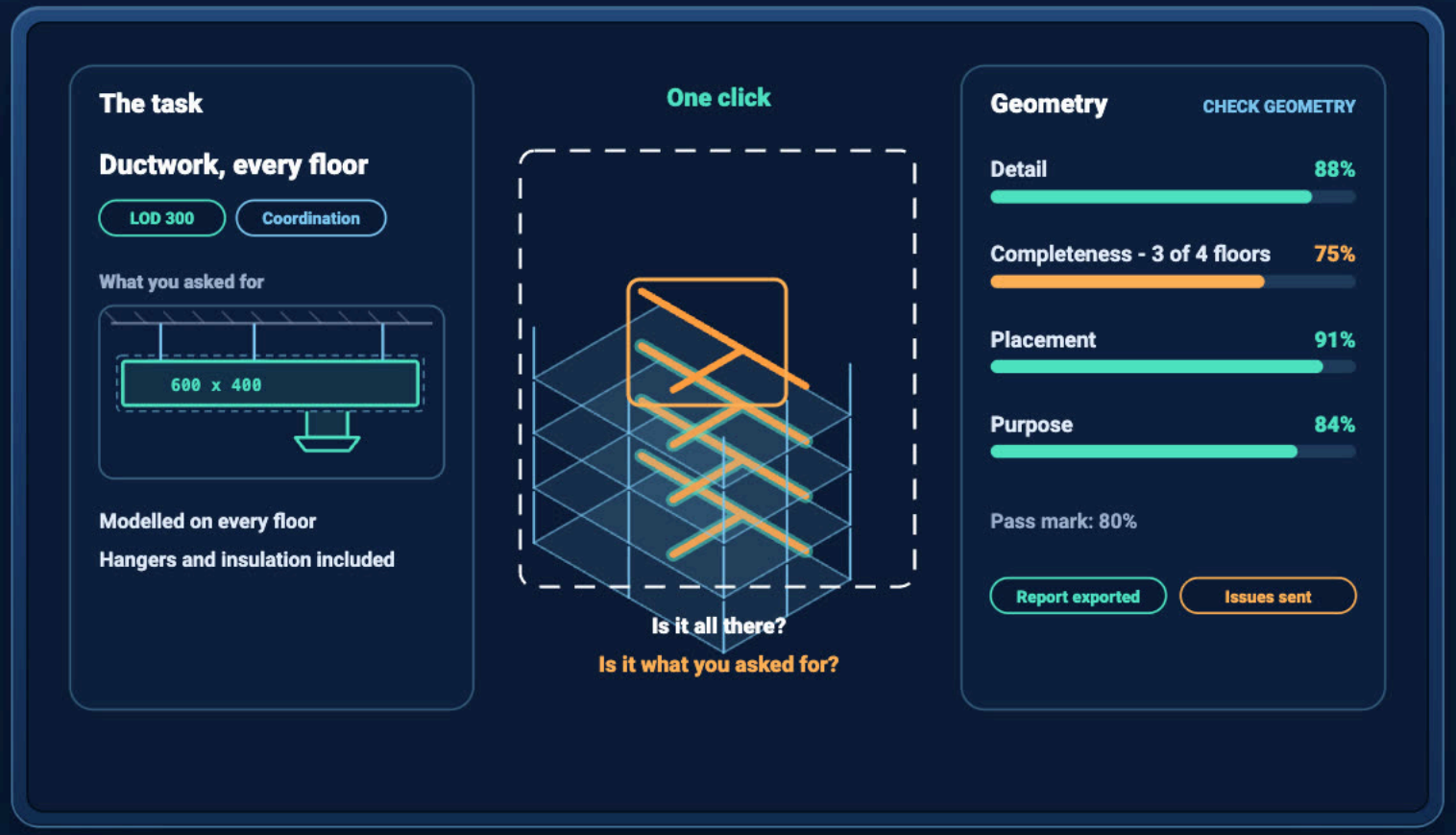


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Auto-LOD

True LOD, checked automatically.

- **Open the MEP model**
  Ductwork and fire dampers, MEP work package
- **One click**
  Geometry and completeness, every floor
- **Report and issues**
  Exported, charted and sent for you



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This is what you've seen.

Everything ISO 19650 asks you to deliver - checked automatically.

LEVEL OF INFORMATION NEED

Requirements

Auto-EIR

Written for you from the model - even with no EIR

Ep 3 Ep 5

Geometry

Auto-LOD

Detail, completeness, placement and purpose

Ep 5

Information

Auto-Checks

Every value correct, incorrect or missing - COBie included

Ep 5

Documentation

The files

Delivered, named and approved on time

Ep 1 Ep 4

One report for all of it - checked against what was agreed, so payment follows what was delivered.

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ONE MORE THING...

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NEW SERIES · STARTS 2027

The AEC AI Agent Playbook

Six episodes. Six free agent playbooks.

THURSDAY, JANUARY 14 · REGISTER NOW - LINK IN THE CHAT

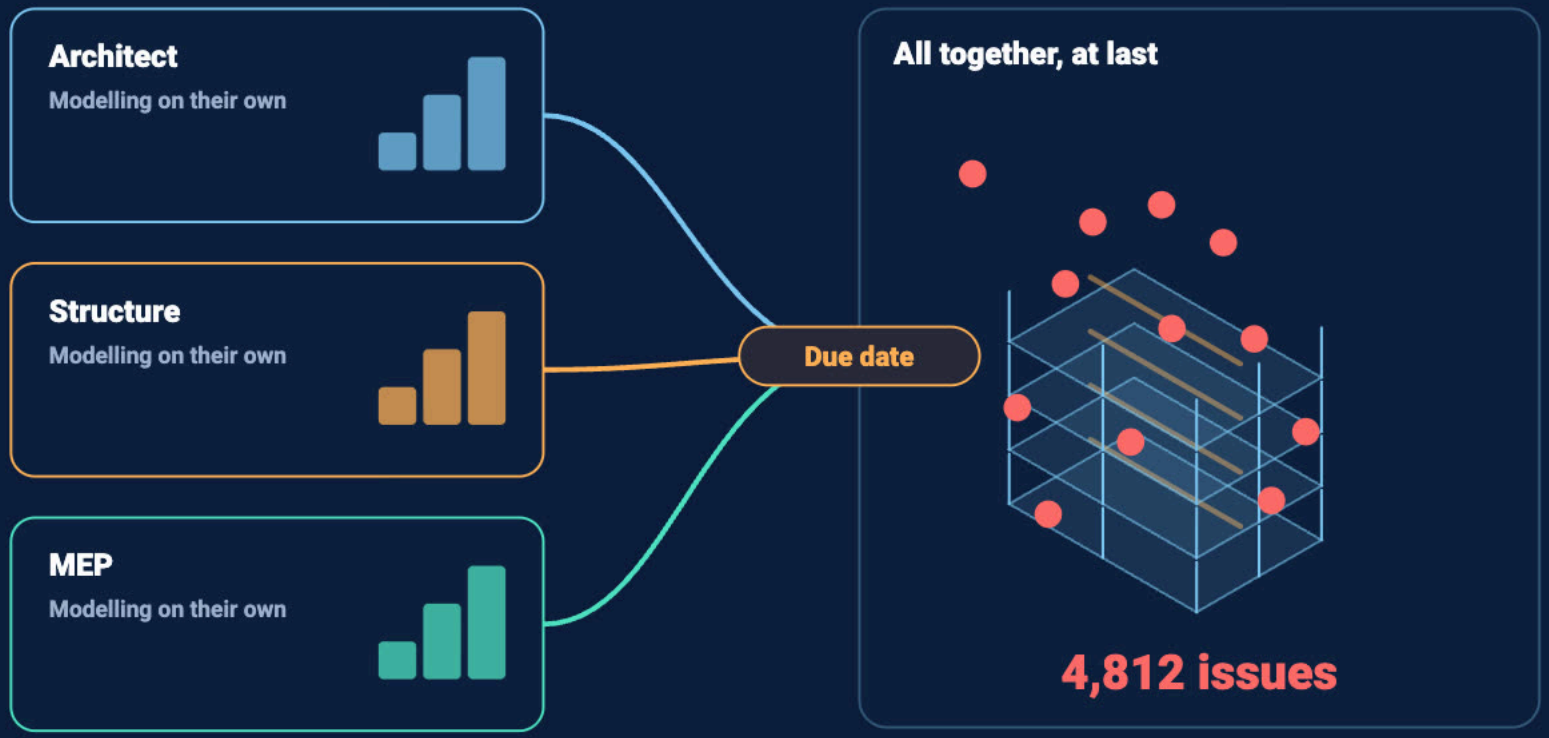
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Some people think coordination meetings are really valuable.
Some people think they're a waste of time.

BOTH ARE RIGHT.

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We're not coming for clash detection.



Everyone models alone, then hands it in.

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Clash detection? That's so 2006.



You took chemistry, now sit through the English results.

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We're coming for clash avoidance.

PROACTIVE, NOT REACTIVE

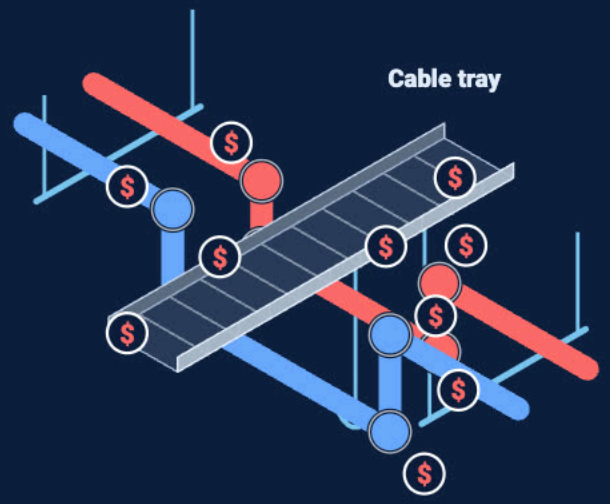
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Who has priority?

Option 1

3D VIEW

The pipes go round



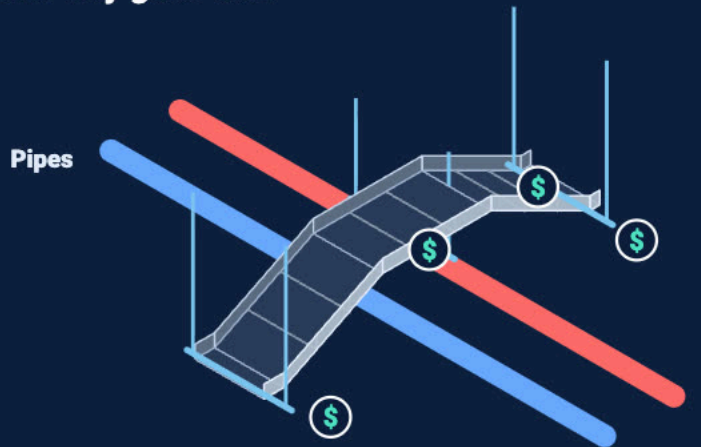
8 elbows and welded joints, 2 more hangers, pressure test again

$$$$$$$$$$

Option 2

3D VIEW

The tray goes over



A tray ramps over in an afternoon - four bends, nothing to weld or test

$$$$

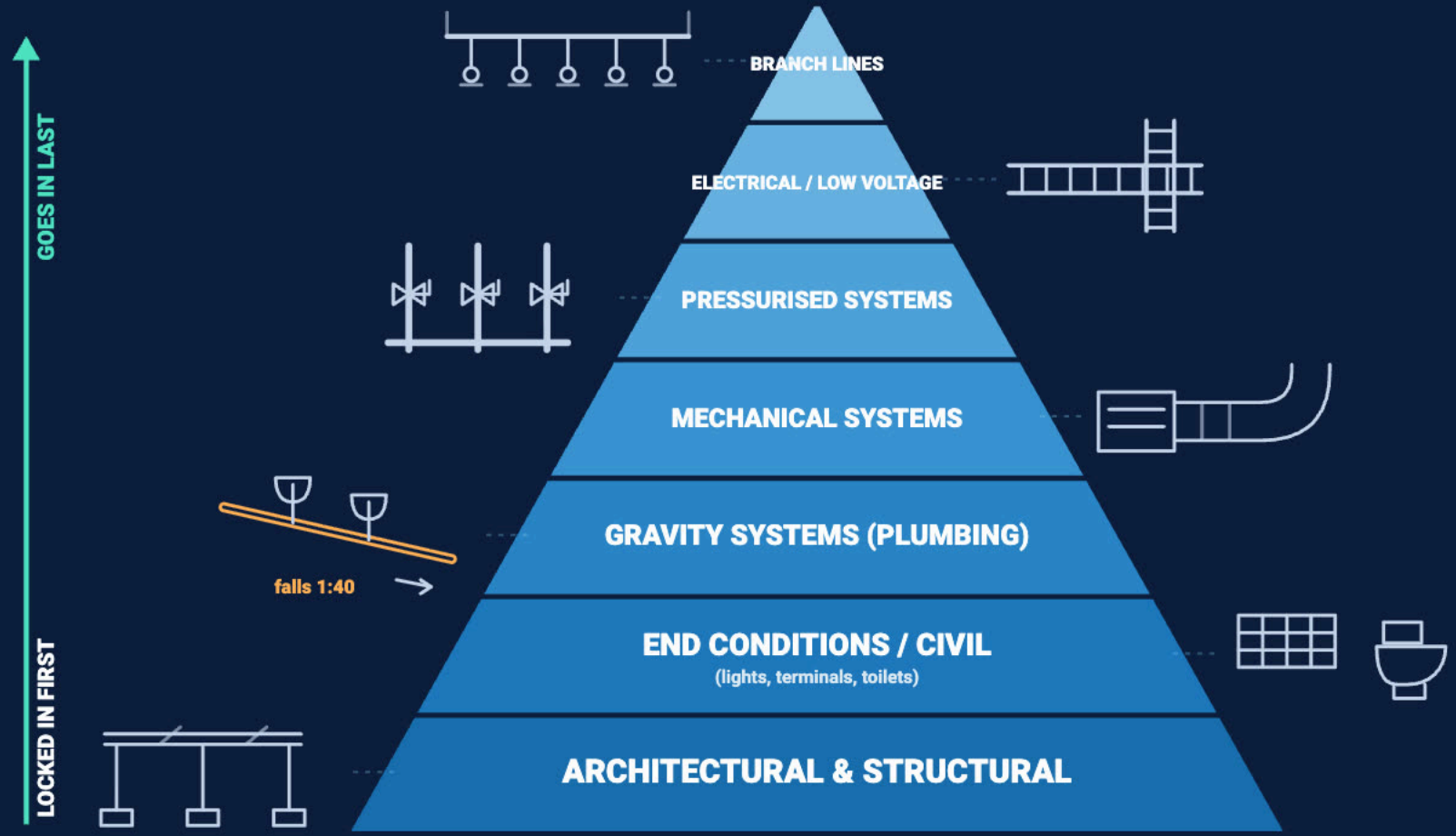
Same clash, two fixes, two very different bills - **it depends on who moves.**

PROACTIVE, NOT REACTIVE

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The hardest thing to move goes in first

SYSTEM PRIORITY STRUCTURE



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PROACTIVE, NOT REACTIVE

The BIM manager stops refereeing and starts planning...

...USING AI AND MCP AGENTS.

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NEW SERIES · STARTS 2027

The AEC AI Agent Playbook

The case study: **53% fewer issues** - with manual steps, before automation and AI.

THURSDAY, JANUARY 14 · REGISTER NOW - LINK IN THE CHAT

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BACK TO TODAY

Your AI model checking survival kit

- **The model check list** - every check, from “is the file there?” up
- **An example project** - with the model, so you can try each step
- **The beta program** - type “add me” in the chat, Auto-LOD included

Auto-EIR | Auto-Checks | Auto-LOD

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NEXT TIME ON HOW TO SURVIVE AS A BIM MANAGER

Surviving ISO 19650 File Naming

Never type a file name again.

THU, DEC 3 · SAME TIME, SAME LINK

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THANK YOU

Surviving AI Model Checking

Auto-EIR
No EIR? Plannerly writes it for you.

Auto-Checks
If you can say it, you can check it.

Auto-LOD
True LOD, checked automatically.

The beta program, Auto-LOD included: **type “add me” in the chat**

Every step's full walkthrough - free: **plannerly.com/training**

Episode 6 - ISO 19650 File Naming: **Thu, Dec 3, same link**