



Overlays Outside the Box: AI-Powered Document Comparison with Bluebeam

Presented by Alexander De Campo from ARKANCE Australia

05 OCT 25





Agenda

01 Overlay Basics

Overlays VS Compare docs.

Creating overlays & why AI align is crucial.

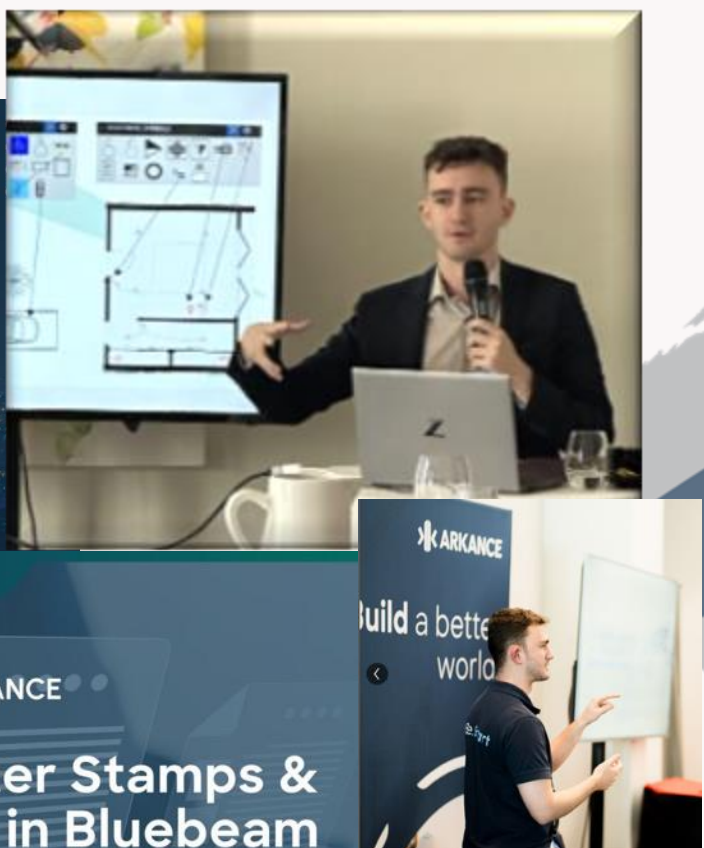
02 Outside the box applications

- Clash detection.
- Overlays in SETS.
- Demolition diagrams.
- Diagramming and patchwork layering.
- Compare docs into automatic reports.
- Overlays integrated with CAD.

Who's talking

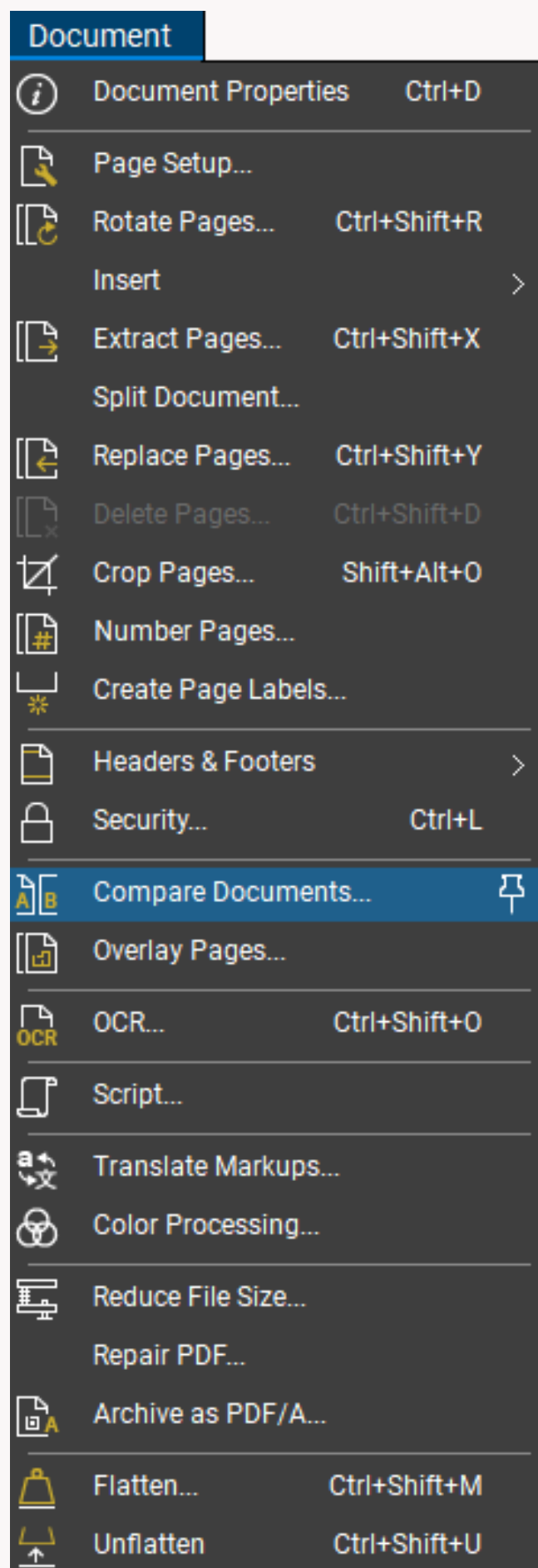
Alex De Campo - ARKANCE ANZ

Bluebeam professional trainer, presenter, webinar host, toolchest creator, and consultant.

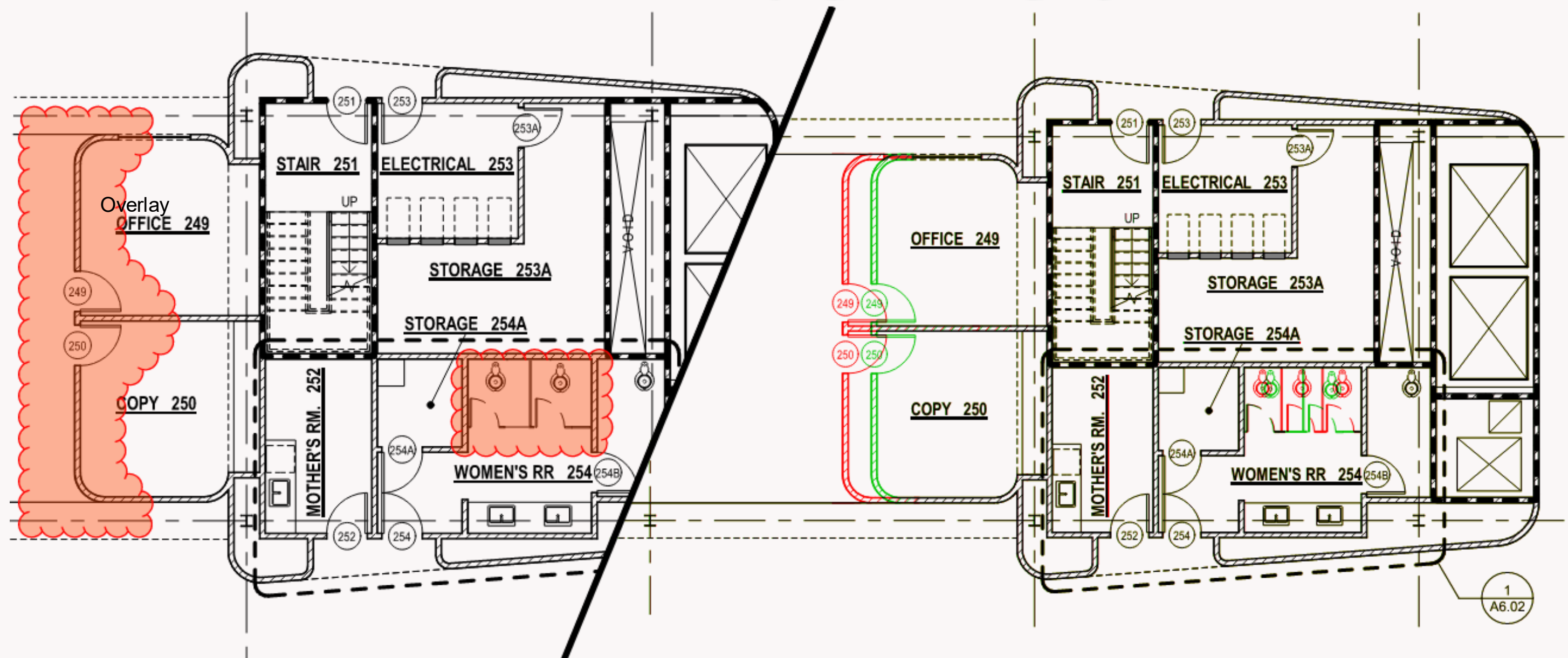



Part 1 – Overlay basics

Overlays VS Compare docs.
Creating overlays & why AI align is crucial.

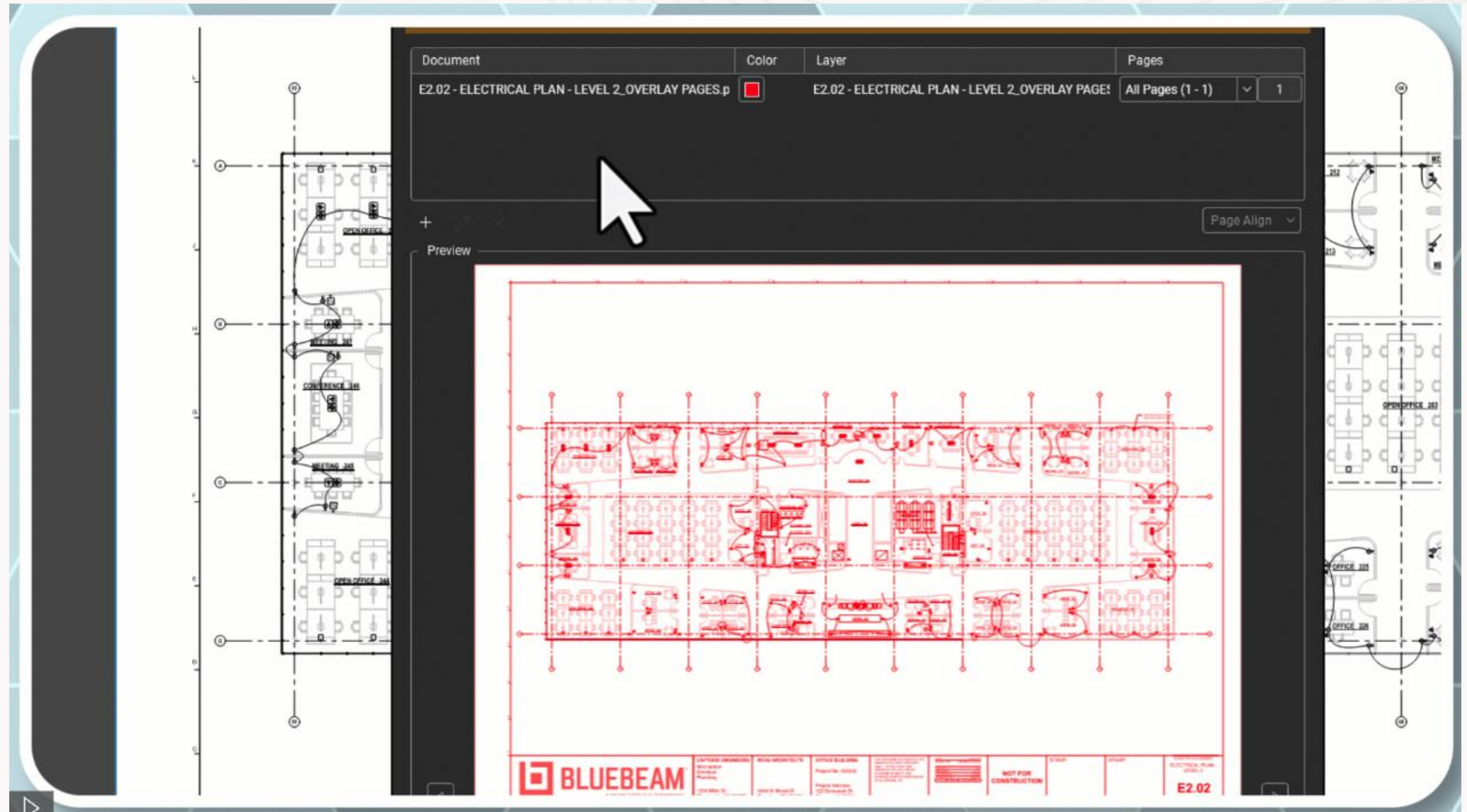


Overlay Vs Compare

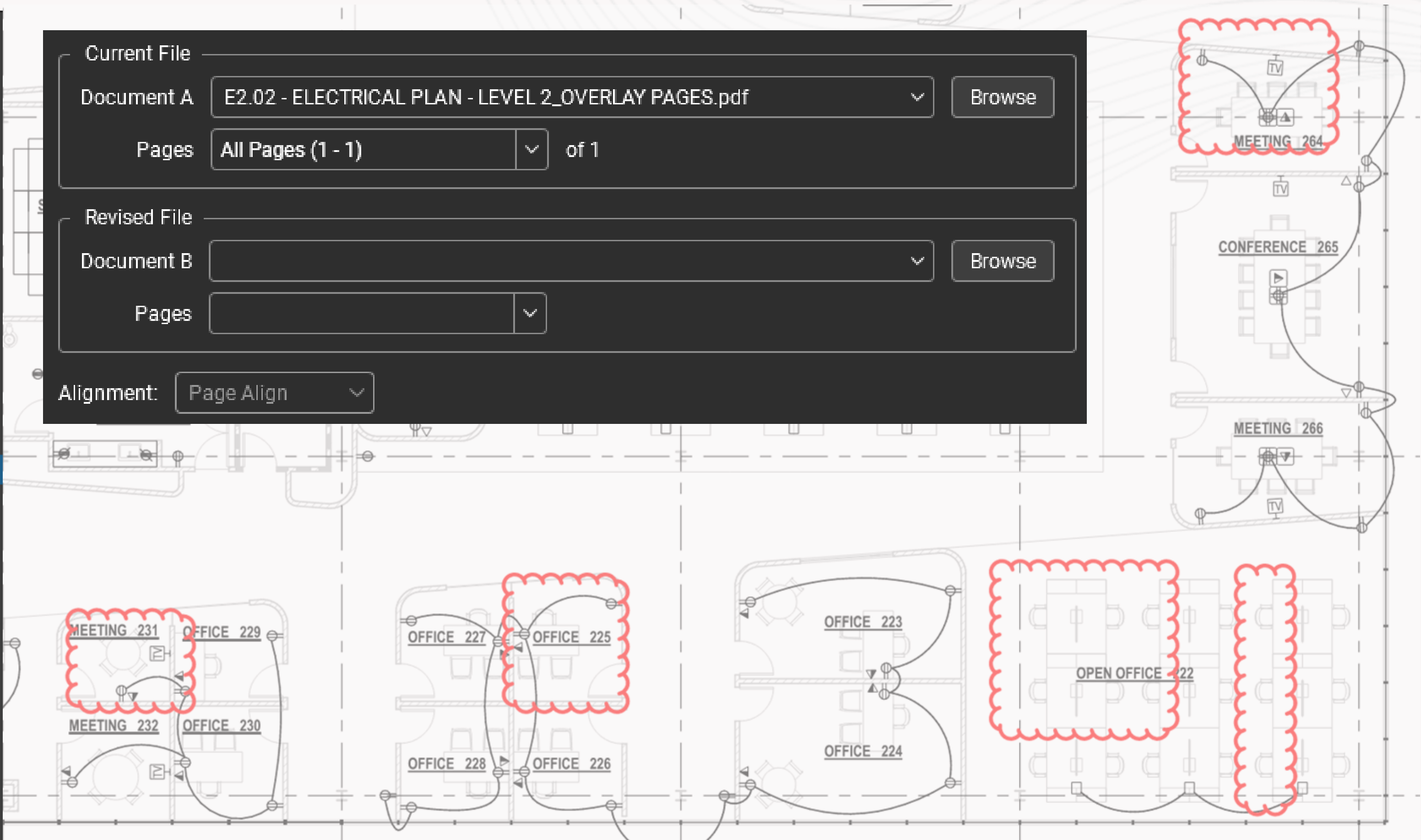
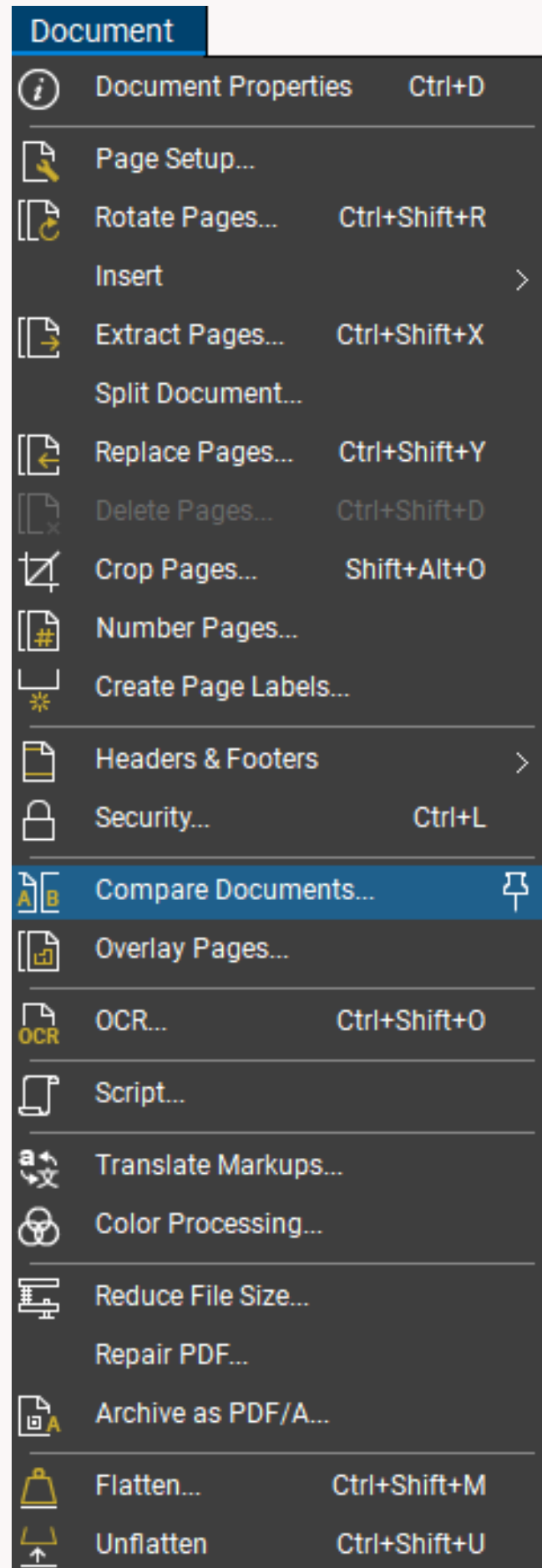


- Document Properties Ctrl+D
- Page Setup...
- Rotate Pages... Ctrl+Shift+R
- Insert >
- Extract Pages... Ctrl+Shift+X
- Split Document...
- Replace Pages... Ctrl+Shift+Y
- Delete Pages... Ctrl+Shift+D
- Crop Pages... Shift+Alt+O
- Number Pages...
- Create Page Labels...
- Headers & Footers >
- Security... Ctrl+L
- Compare Documents...
- Overlay Pages... 
- OCR... Ctrl+Shift+O
- Script...
- Translate Markups...
- Color Processing...
- Reduce File Size...
- Repair PDF...
- Archive as PDF/A...
- Flatten... Ctrl+Shift+M
- Unflatten Ctrl+Shift+U

OVERLAYS & AI ALIGN



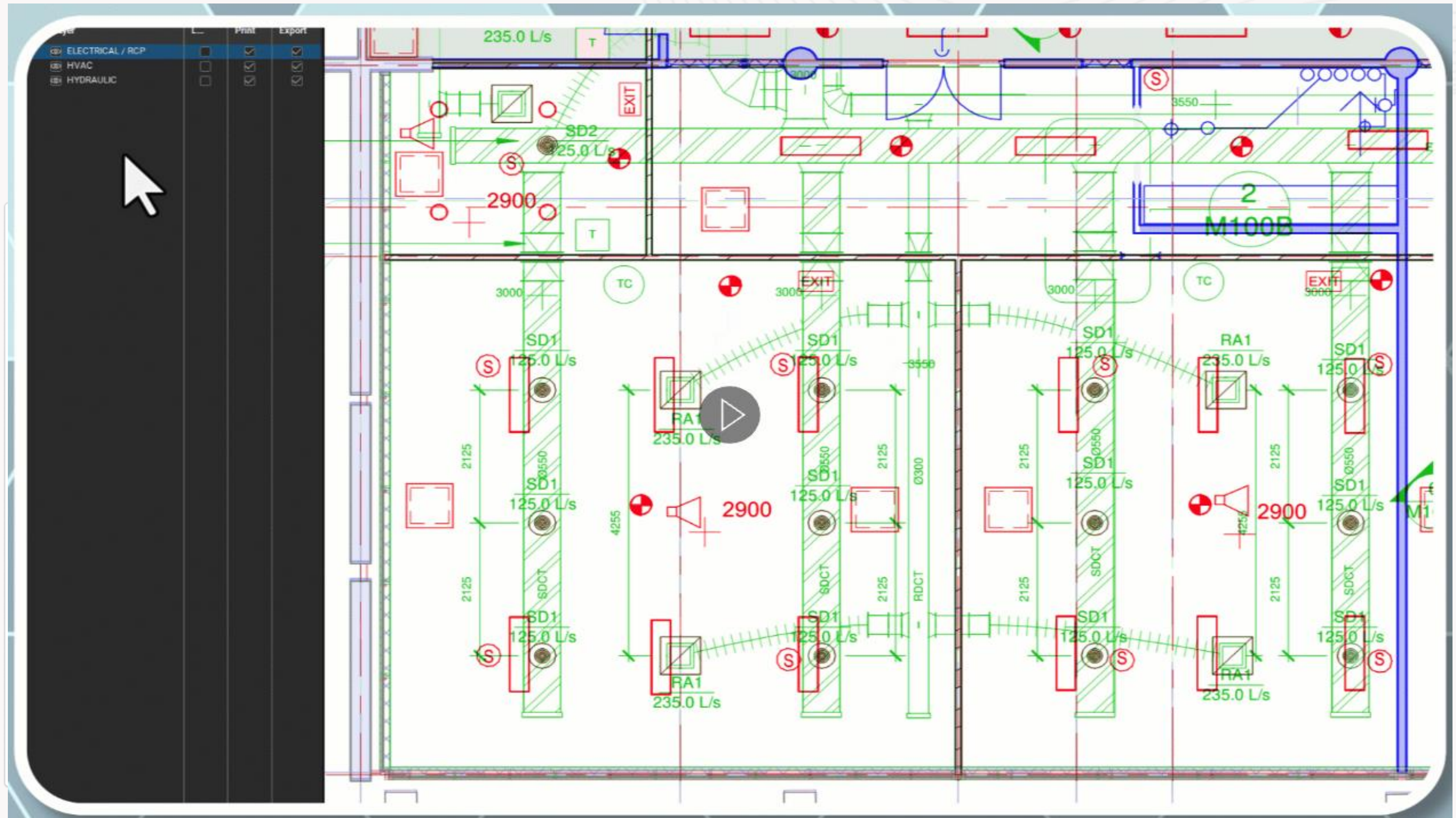
Compare



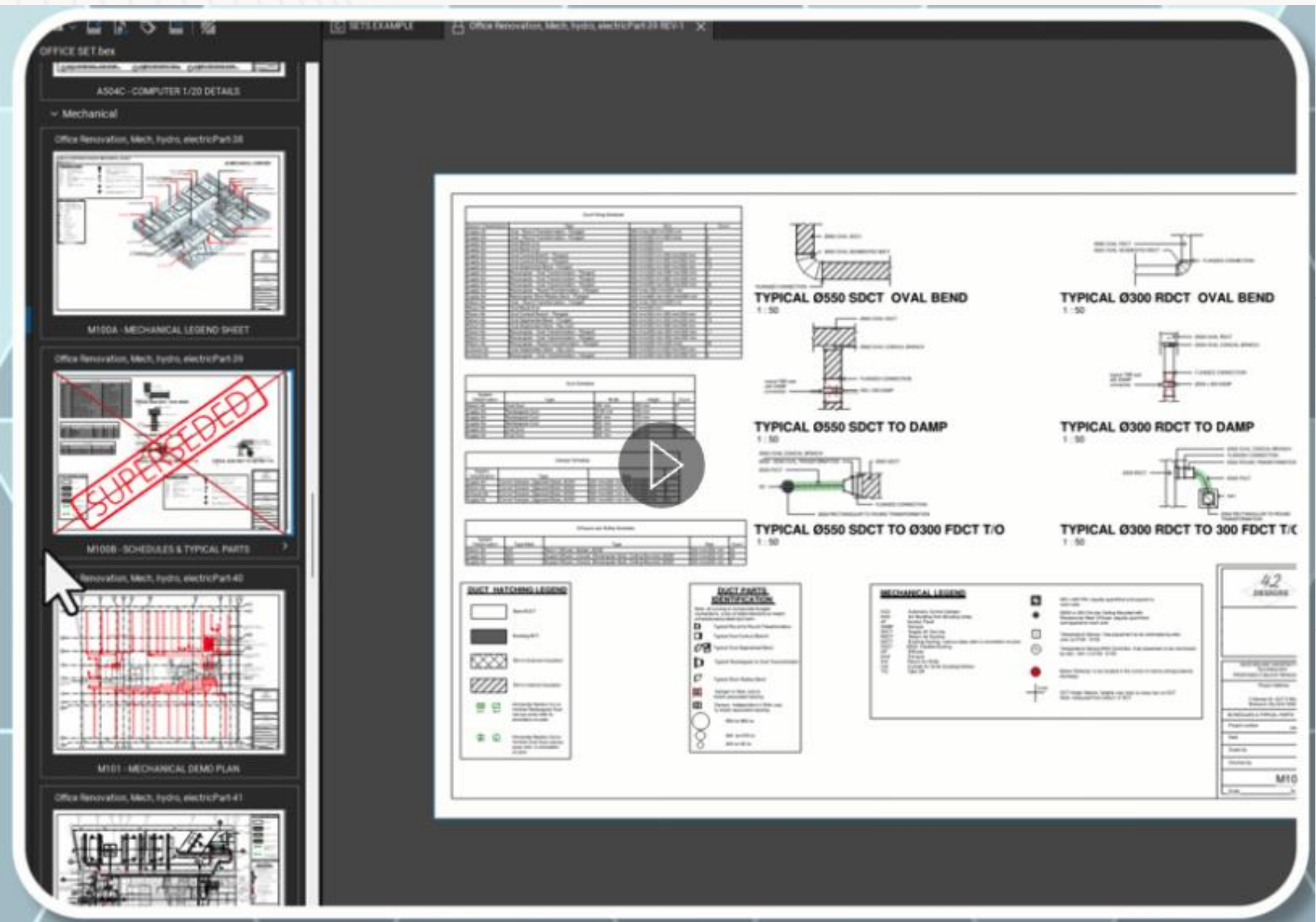
Part 2 – Overlay basics

- Clash detection.
- Overlays in SETS.
- Demolition diagrams & new build diagrams.
- Diagramming and patchwork layering.
- Compare docs into automatic reports.
- Overlays in AutoCAD underlays.

Clash detection



Overlays within Sets

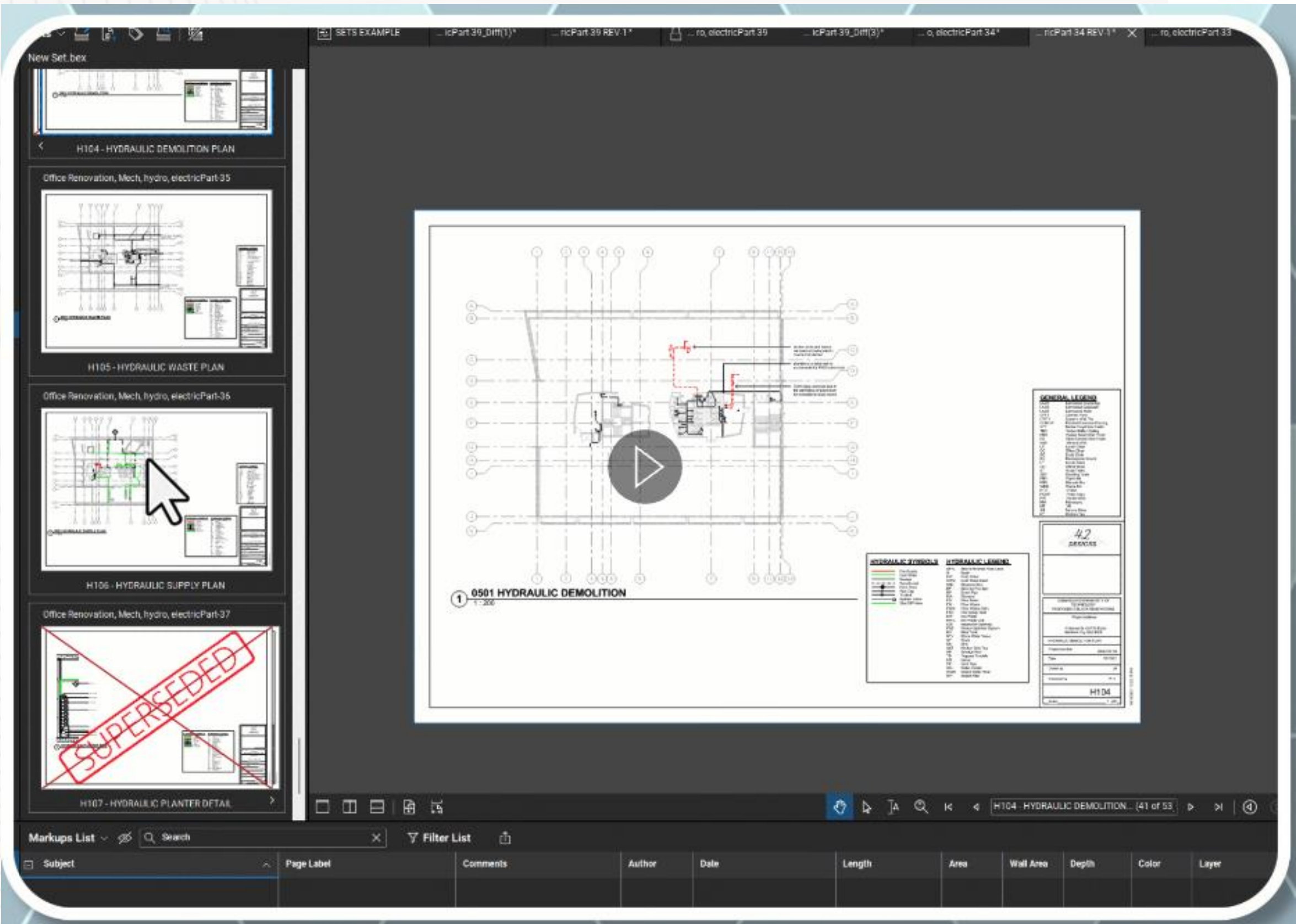


Sets manage document revisions- flick back and forth between old and new revisions

Both overlays and comparisons can be generated near instantly within a set

Overlays become a part of the standard experience with this addition

Compare within Sets



Instead, you can use compare docs-

Ctrl + C, Ctrl + Shift + V
For quick copy + paste in place
From the compare doc to original

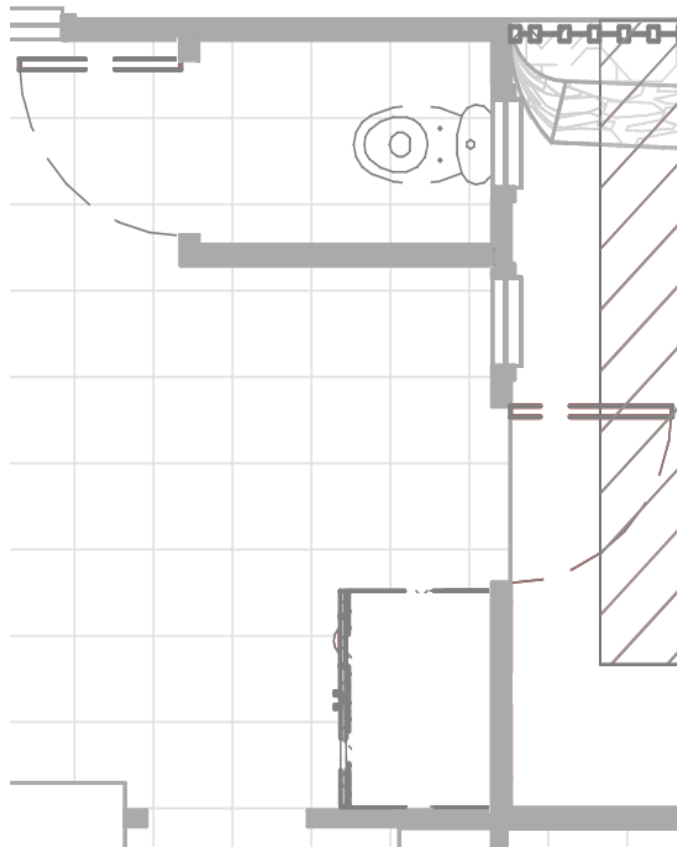
Now the clouded changes sit within your master copy for all to see

Demolition Diagrams

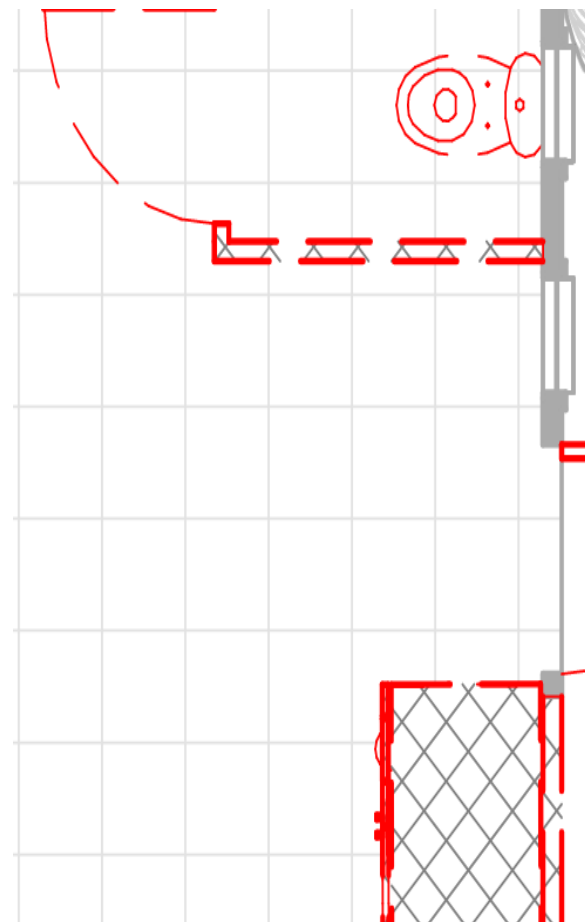
A different method for overlay creation using a colour processing tool

Easily create multiple layers-

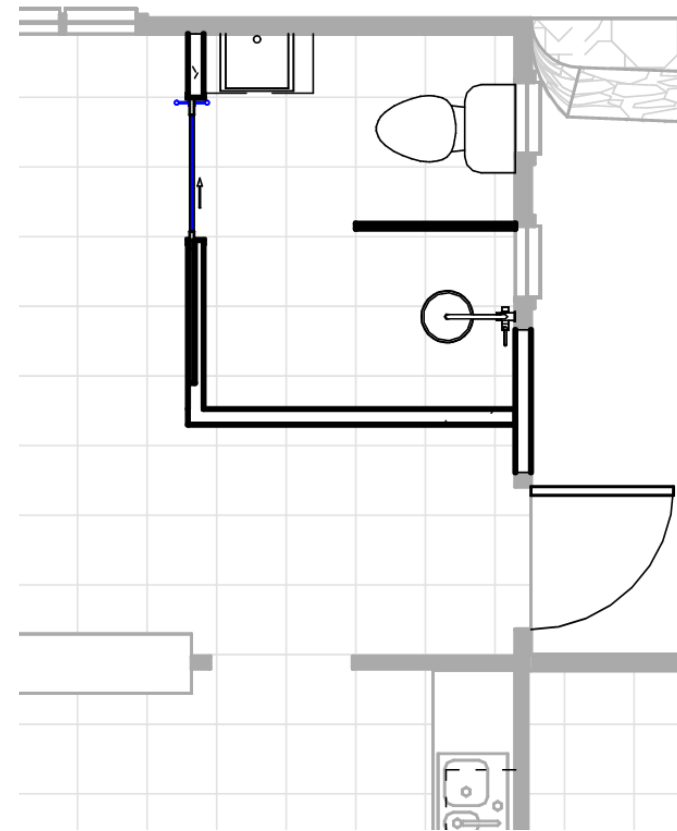
Existing building



Demolition diagram



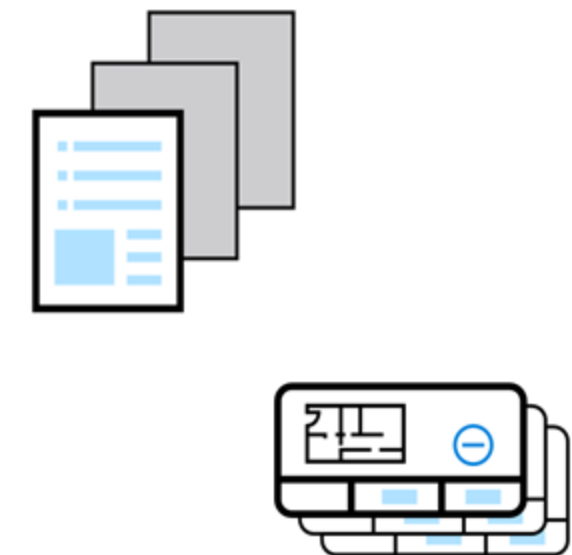
New design



All in the one sheet

Created in Bluebeam

As a Layered in one doc,
toggleable off and on.



Demolition Diagrams

A different method for overlay creation using a colour processing tool

Method 1

Step 1

Extract floor plan

Name: Residential Renovation Pages: 6

Thumbnails

Page Setup...

Set Scale...

Cut Pages

Copy Pages

Copy Page to Snapshot Ctrl+Alt+C

Paste

Apply

Insert Blank Page... Ctrl+Shift+N

Insert Pages... Ctrl+Shift+I

Extract Pages... Ctrl+Shift+X

Replace Pages... Ctrl+Shift+Y

Delete Pages... Ctrl+Shift+D

Rotate Pages... Ctrl+Shift+R

Number Pages...

Rename Page Label

Reset All Page Labels

Export Pages

Email Pages...

Print Pages...

Step 2

3 Copies, Same drawing, added to overlay tool

As built

Demo.

Exist.

Overlay Pages

Document

Exist..pdf

As built.pdf

Demo..pdf

Step 3

Overlay Pages

Document	Color	Layer	Pages
As built.pdf		As built	All Pages (1 - 1) 1
Demo..pdf		Demo.	Selected (1) 1
Exist..pdf		Exist.	Selected (1) 1

+

✎

✕

Page Align ▾

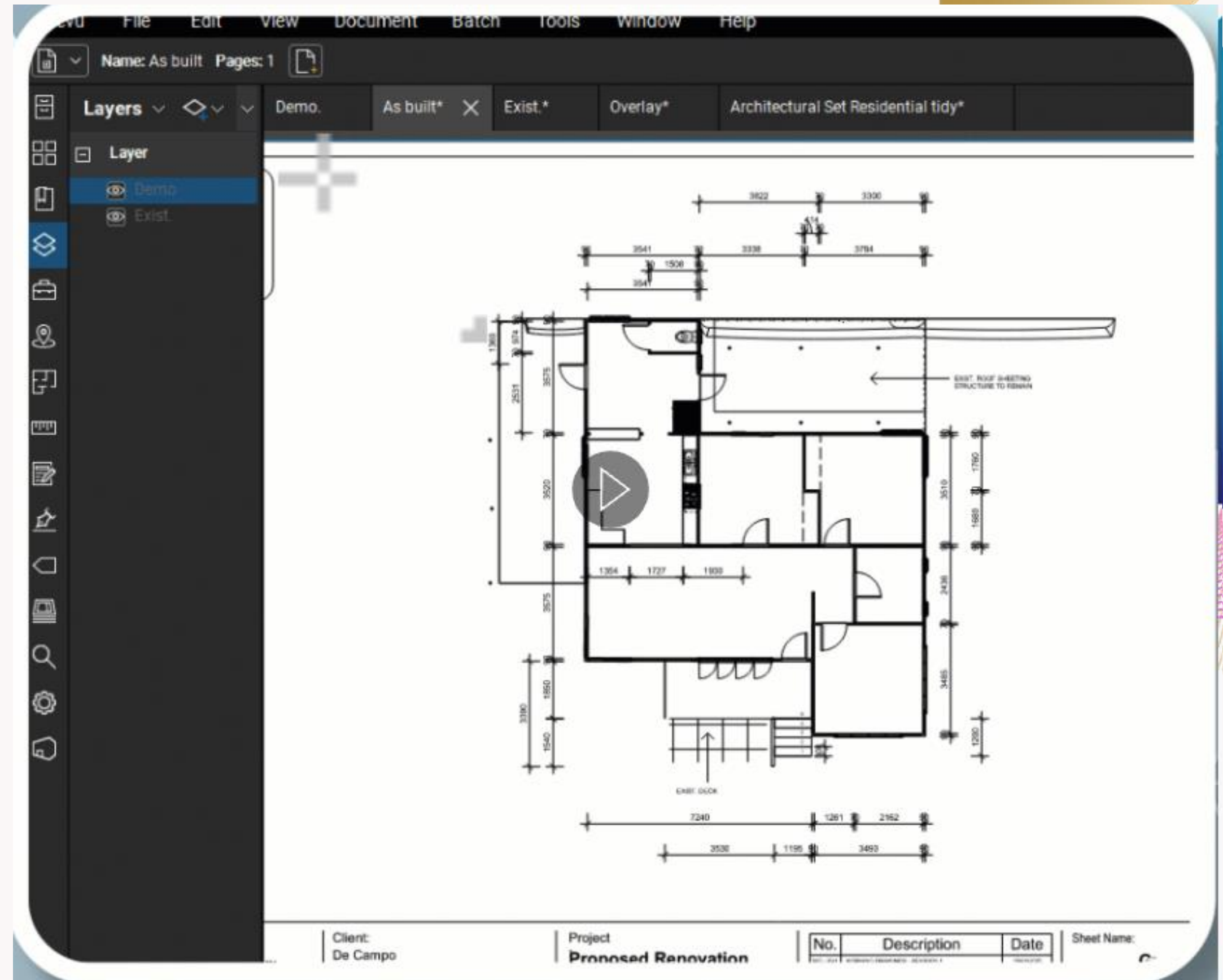
Preview

Demolition Diagrams

Method 2

Steps:

1. Create Demo Layer
2. Snapshot (G) entire drawing
3. Ctrl + C copy drawing
4. Ctrl + Shift + V Paste in place
5. Right click > Layer > Demo layer
6. Change 'blend mode' to multiply
7. Edit > PDF content > Erase to start 'demolishing'

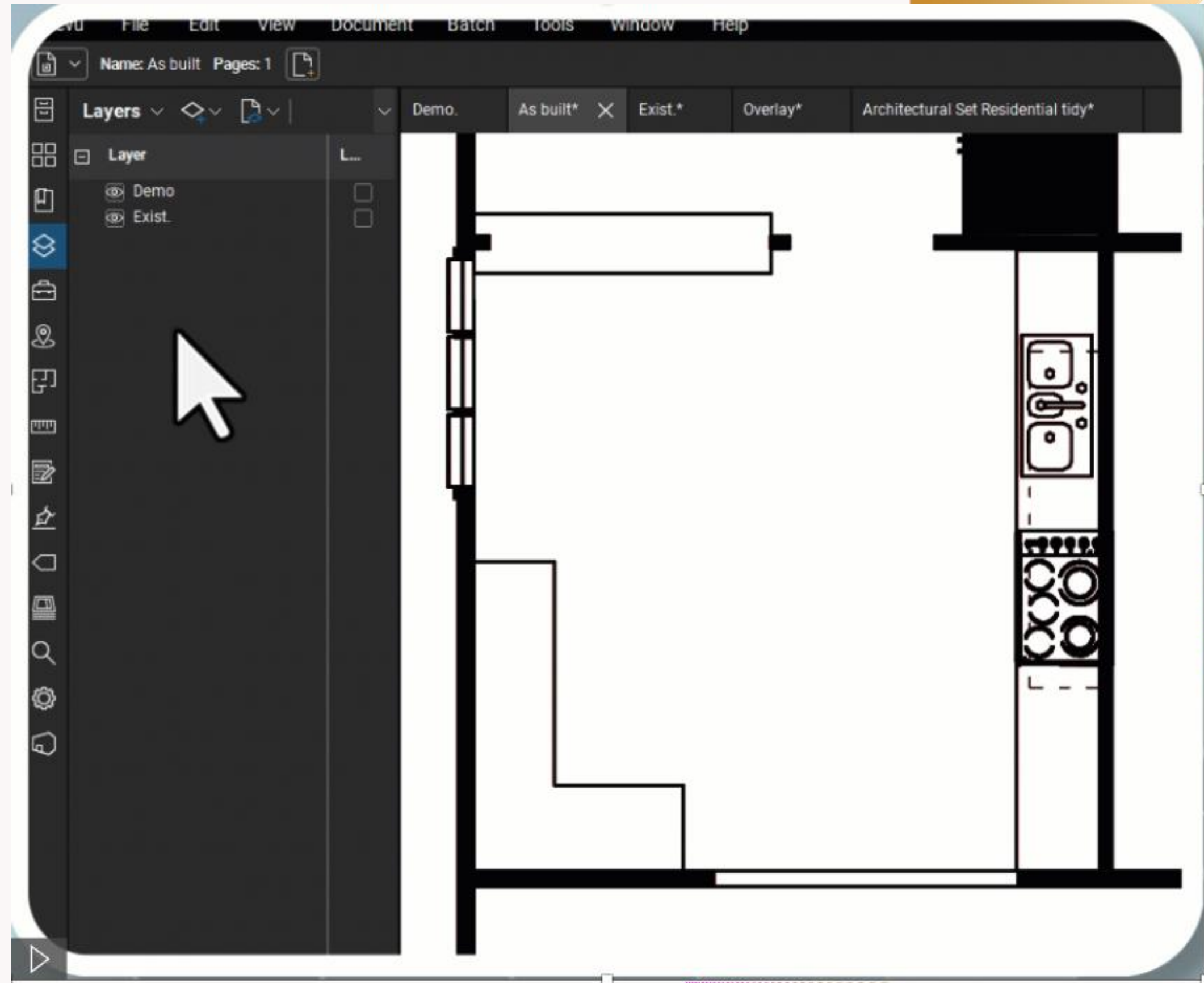


New Build Diagram

Steps:

1. Assign layer to your toolchest
2. **Edit > PDF content > Erase** to start 'demolishing'
3. Draw your new layout using toolchest

The result is now toggleable off and on, as you 'demolish' the demo layer picks it up, and as design, it goes on the new build layer



Diagramming and patchwork snapshots

Technically doesn't use the 'overlay' tool specifically...
But it does 'lay' 'over' the drawing?

Steps:

Snapshot drawing

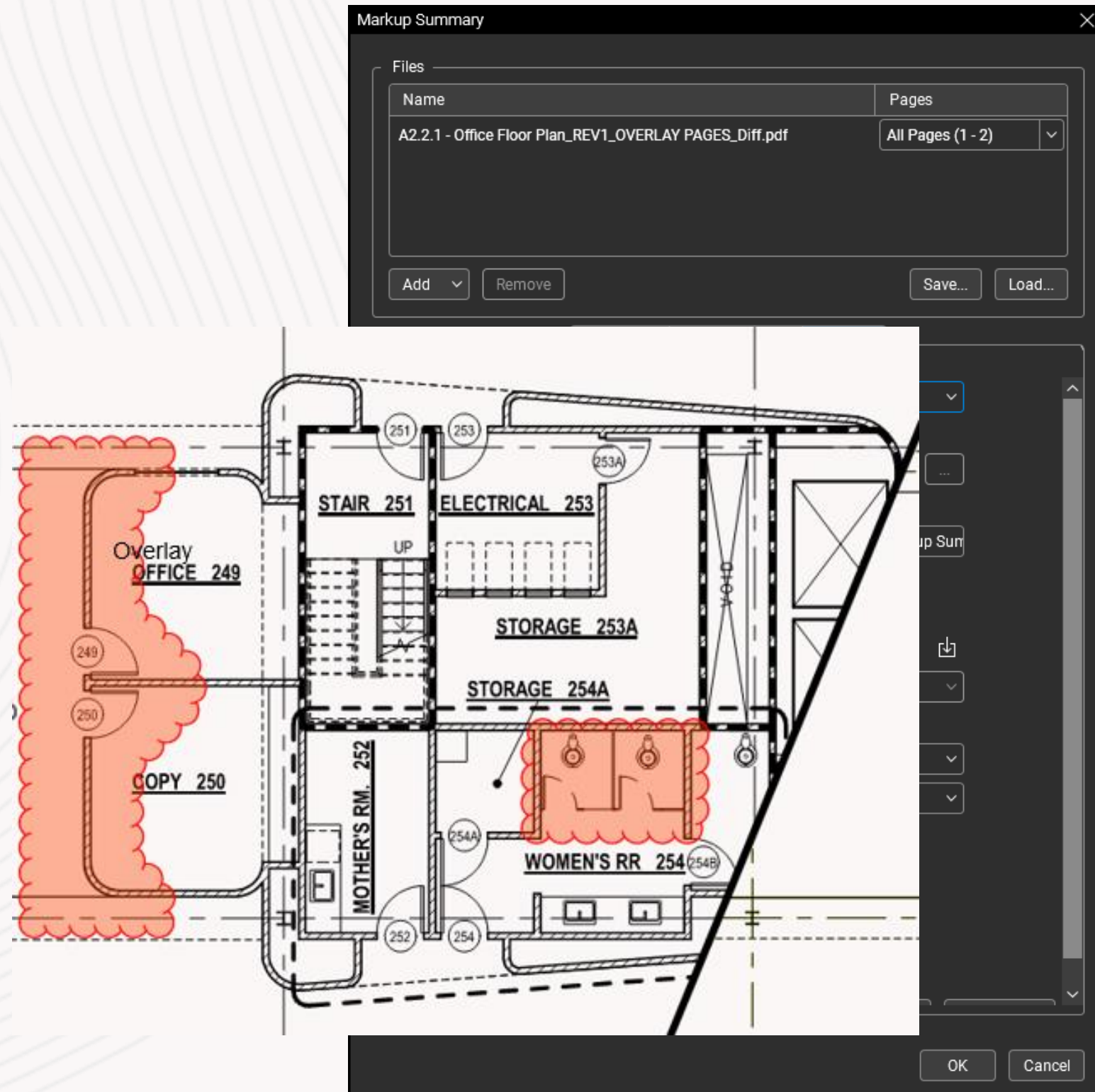
Right click > Colour process and
Remove any colours other than
your diagram colour

Ctrl + C copy drawing

Ctrl + Shift + V Paste in place or
just paste elsewhere



Compare Docs into auto reports

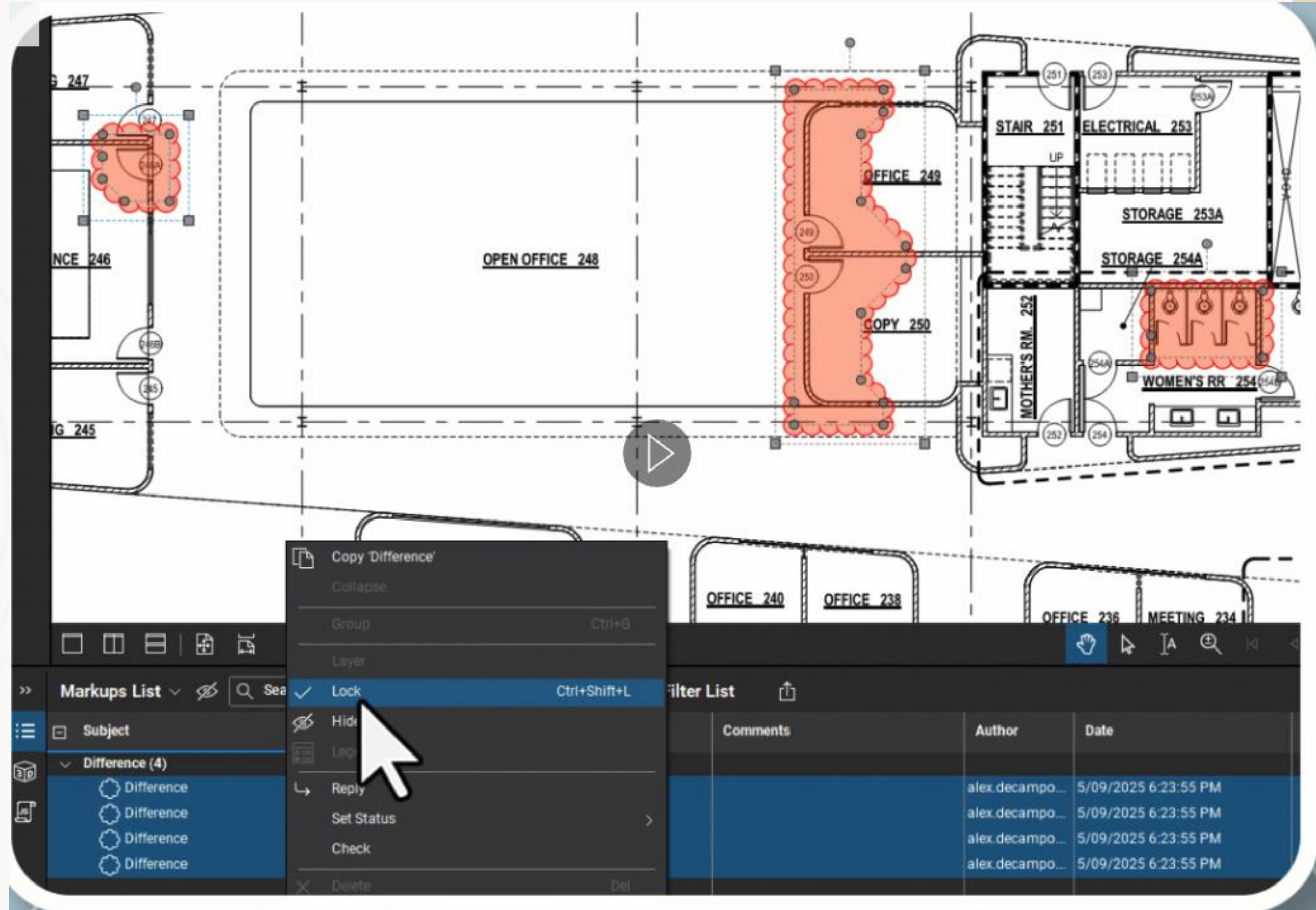


Simply start with a compare doc

Edit the subject of your automatically generated markups

Markups list > PDF export to generate

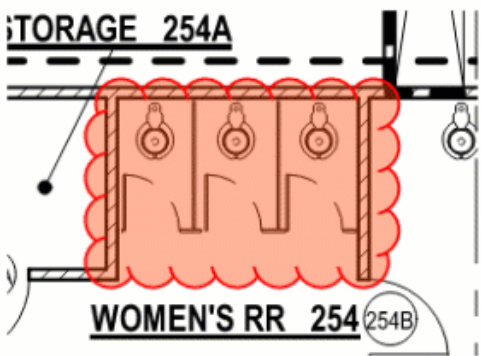
Step 1



Step 2

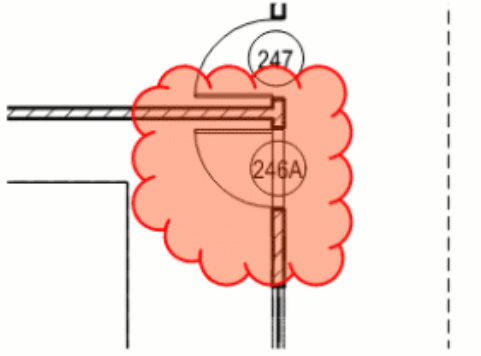
A2.2.1 - Office Floor Plan Summary

Bath stall added (1)



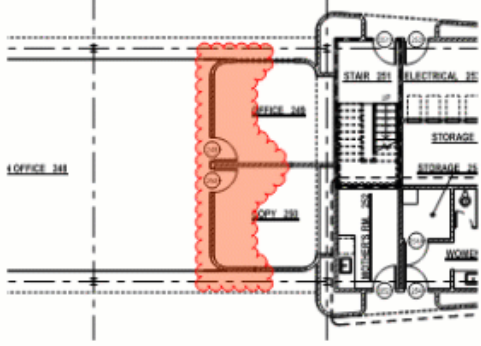
Subject: Bath stall added
Page Label: A2.2.1 - LEVEL 02 FLOOR PLAN
Author: alex.decampoARK
Date: 5/09/2025 6:26:30 PM
Creation Date: 5/09/2025 6:23:55 PM

Door Added (1)






Subject: Door Added
Page Label: A2.2.1 - LEVEL 02 FLOOR PLAN
Author: alex.decampoARK
Date: 5/09/2025 6:26:08 PM
Creation Date: 5/09/2025 6:23:55 PM

Rooms expanded by 1 meter (1)



Subject: Rooms expanded by 1 meter
Page Label: A2.2.1 - LEVEL 02 FLOOR PLAN
Author: alex.decampoARK
Date: 5/09/2025 6:26:19 PM
Creation Date: 5/09/2025 6:23:55 PM


Markups List  

Filter List 

CSV Summary

XML Summary

PDF Summary

 Print Summary

ColumnsFilter and SortOutput

<input type="checkbox"/>	Name	Sample	Type
<input checked="" type="checkbox"/>	Subject	Door Added	Built-In
<input checked="" type="checkbox"/>	Page Label	A2.2.1 - LEVEL 02 FLOOR PLAN	Built-In
<input type="checkbox"/>	Comments	Empty	Built-In
<input checked="" type="checkbox"/>	Author	alex.decampoARK	Built-In
<input checked="" type="checkbox"/>	Date	5/09/2025	Built-In

ColumnsFilter and SortOutput

Name	Filter
Subject	[All]
Page Label	[All]
Author	[All]
Date	[All]

ColumnsFilter and SortOutput

Export as: PDF

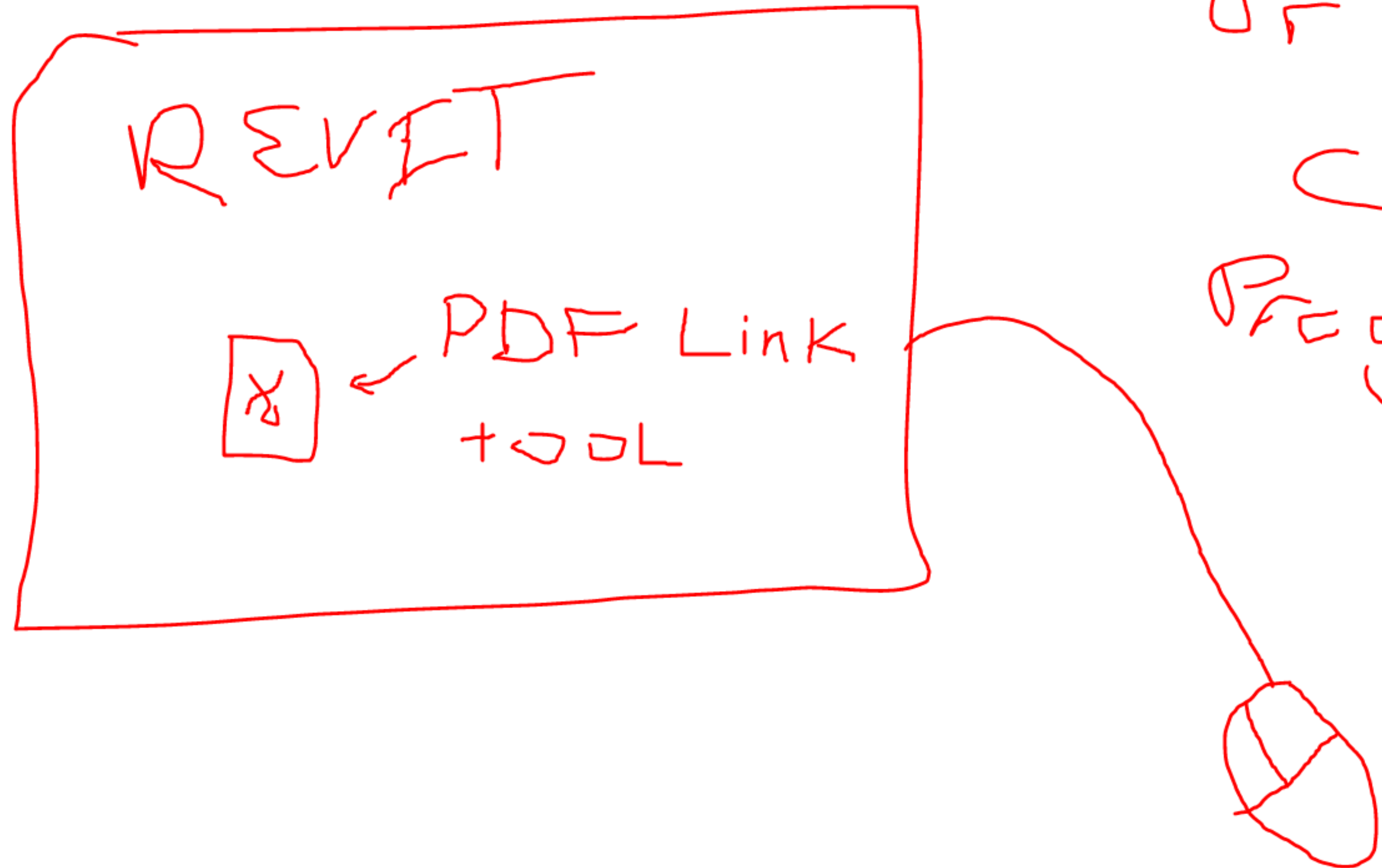
☒ Append and Hyperlink to Current PDF

how to underlay dwg into revit...

or other

CAD

Program



Cad Link

It's hard to explain.. I'm out of time (I give up)

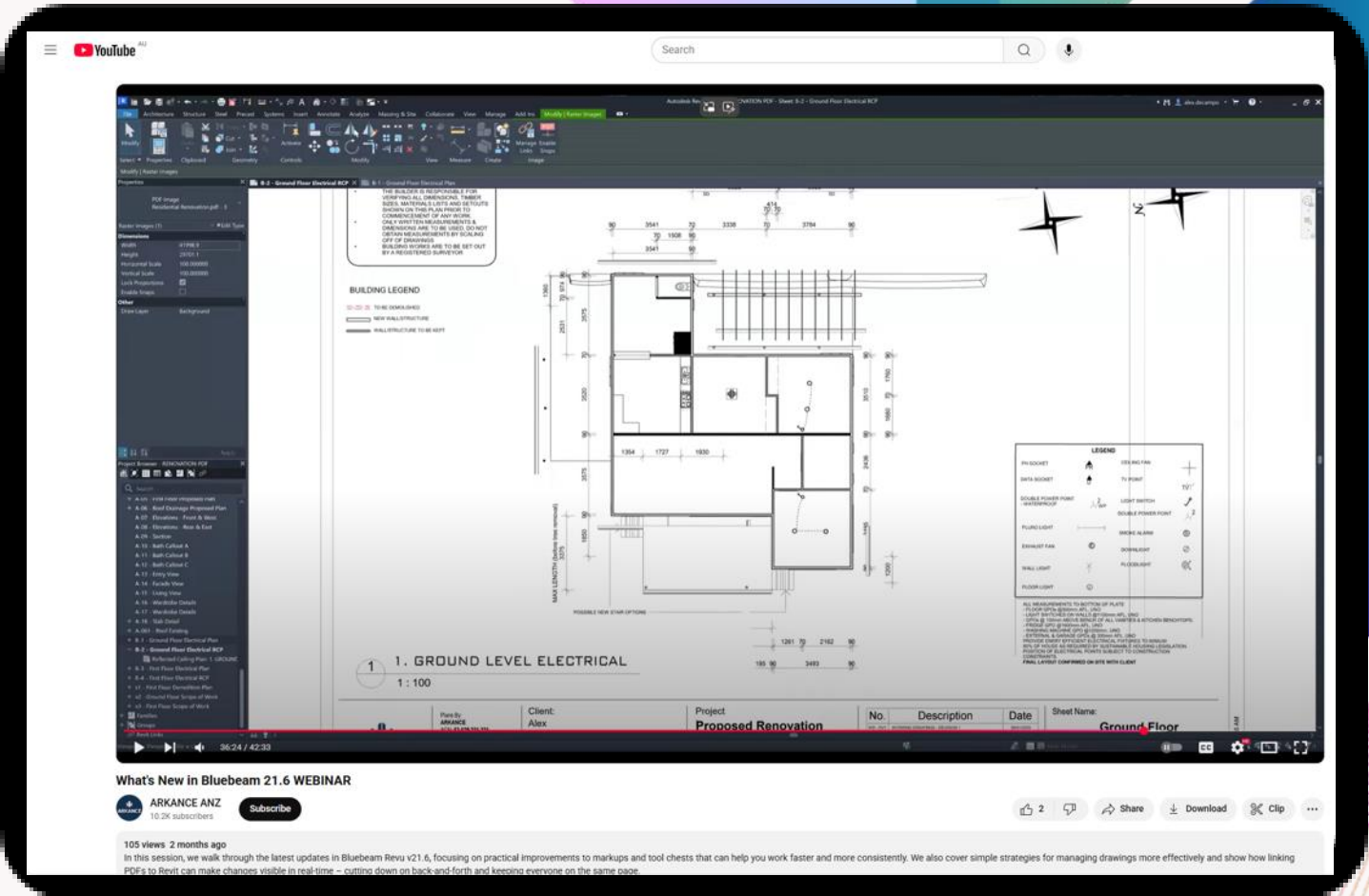
On YouTube, search for Arkance ANZ and have a look at:
For a full look.

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Thanks for watching

Is there anyone left in the room after that? Wow.

Q&A

(Easy questions please?)