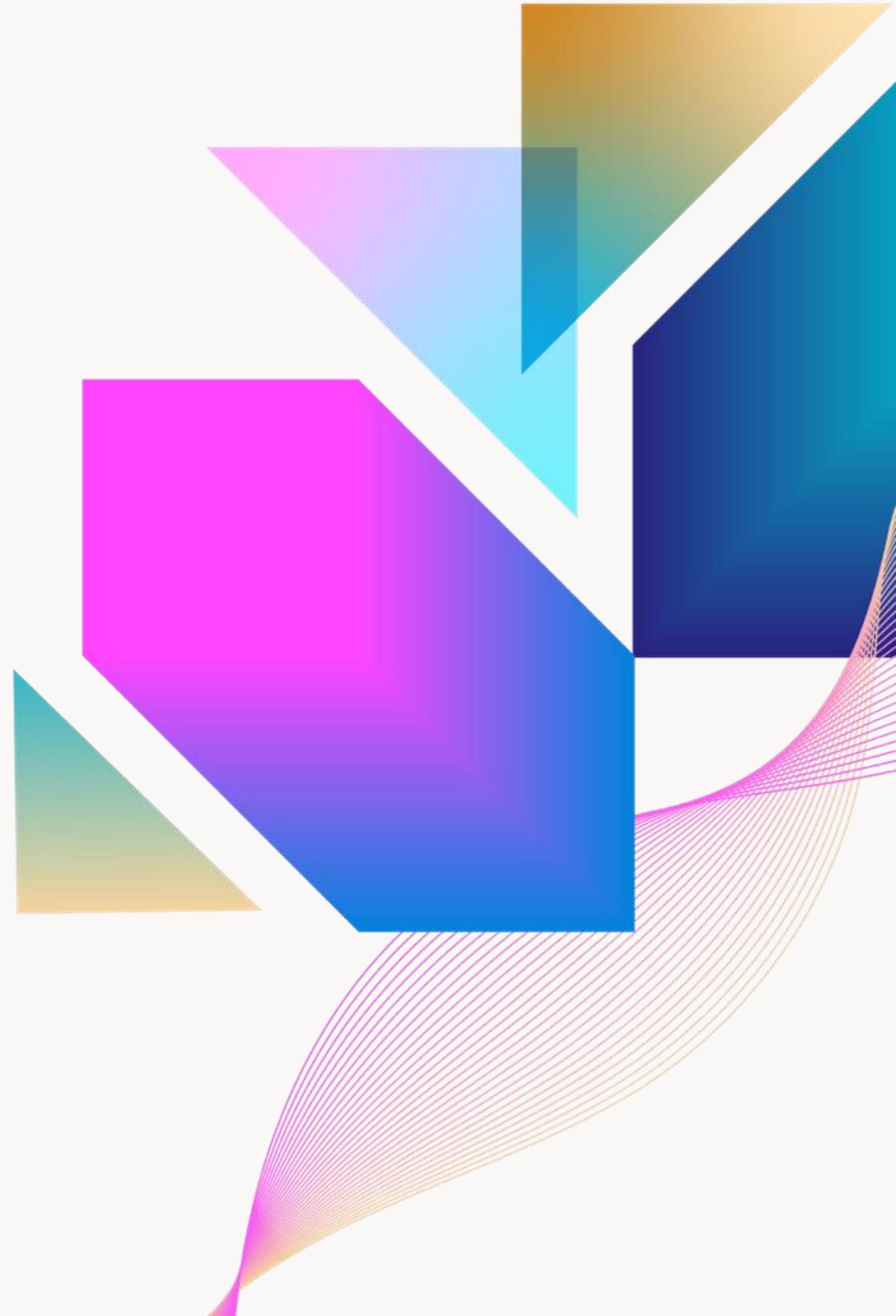




# Overlays Outside the Box: AI-Powered Document Comparison with Bluebeam

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.

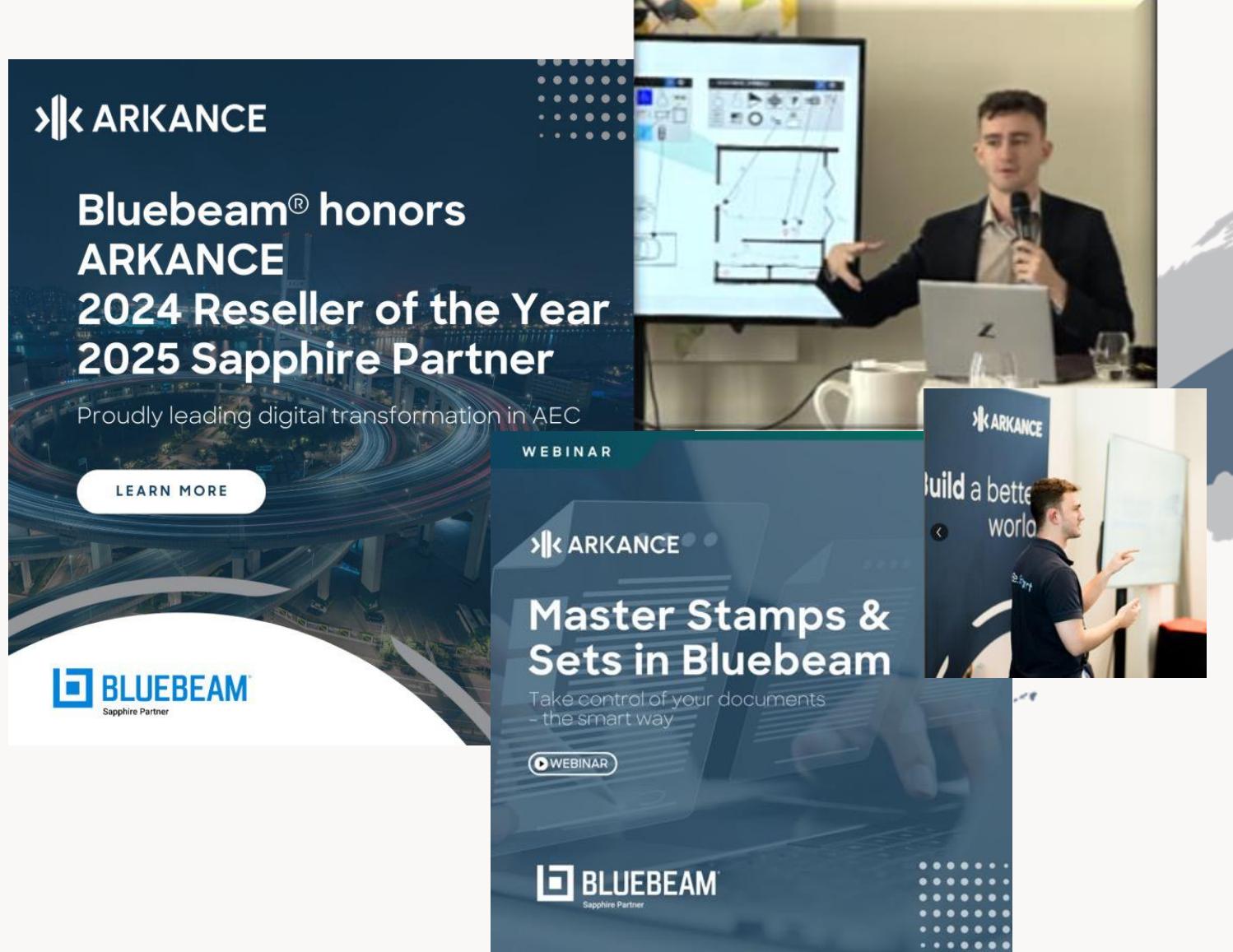
## 02 Outside the box applications

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

# Who's talking

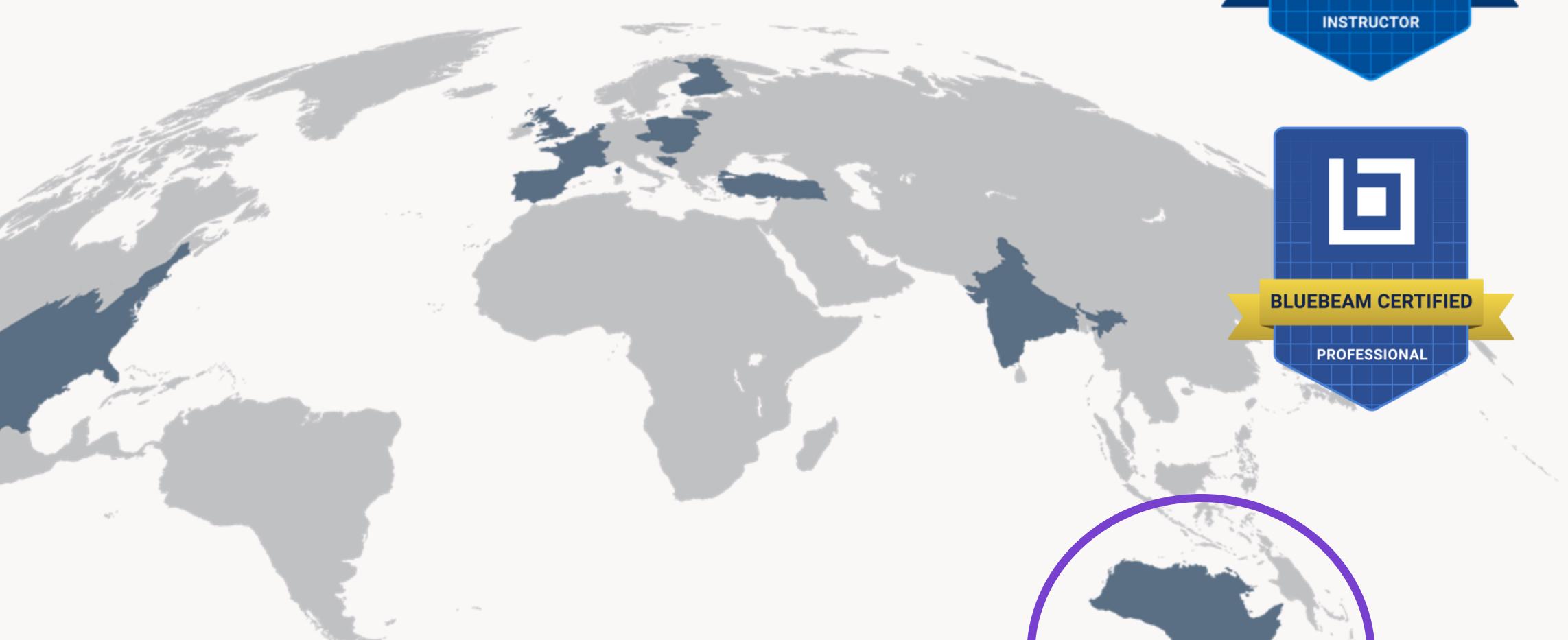
Alex De Campo - ARKANCE ANZ

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



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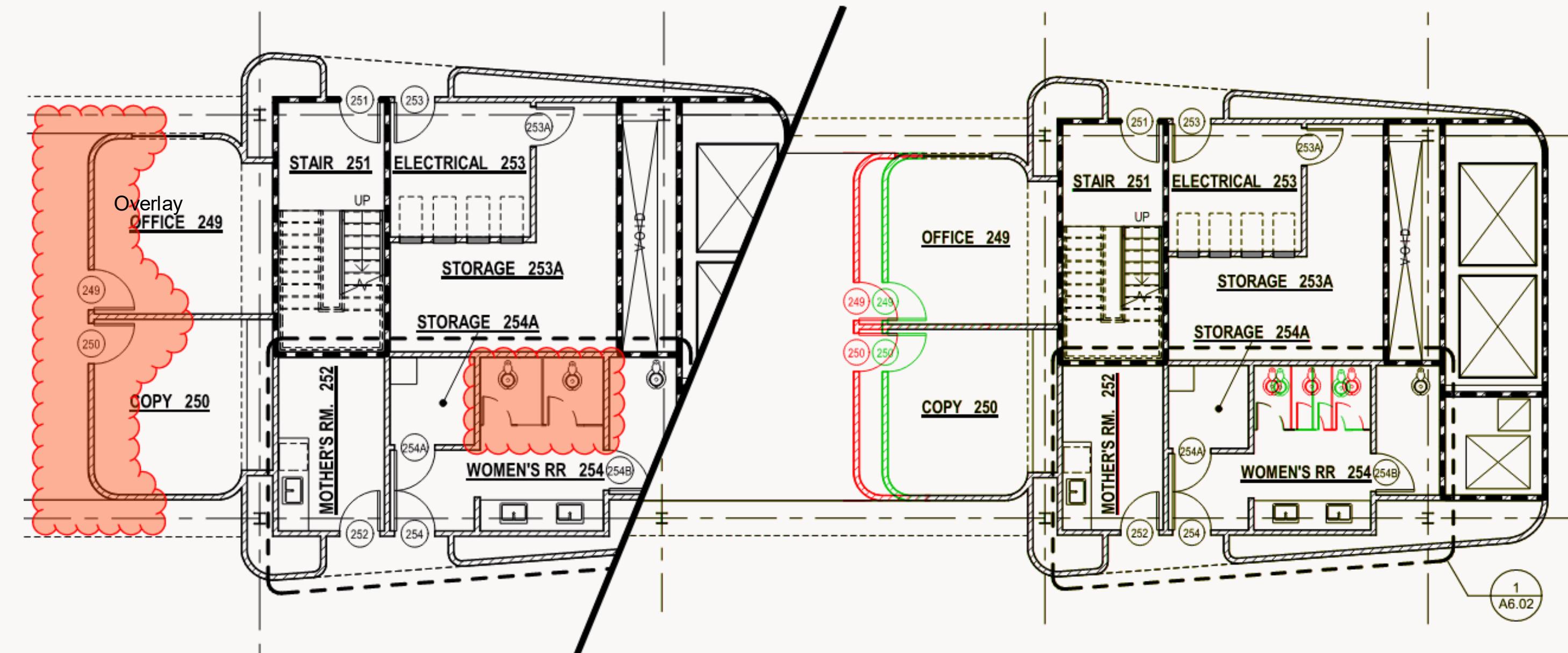
# Part 1 – Overlay basics

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



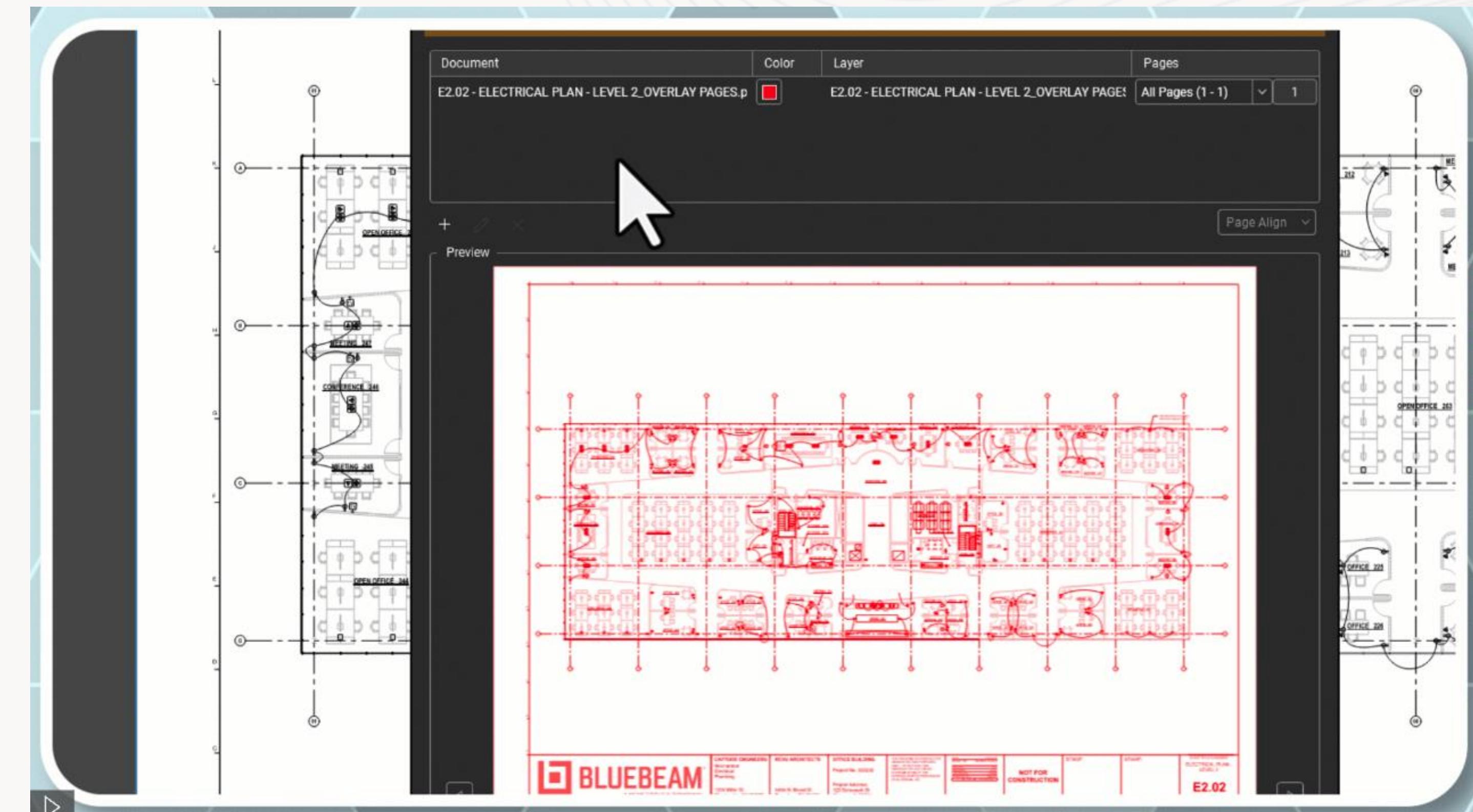
- Document Properties Ctrl+D
- Page Setup...
- Rotate Pages... Ctrl+Shift+R
- Insert >
- Extract Pages... Ctrl+Shift+X
- Split Document...
- Replace Pages... Ctrl+Shift+Y
- Delete Pages... Ctrl+Shift+D
- Crop Pages... Shift+Alt+0
- Number Pages...
- Create Page Labels...
- Headers & Footers >
- Security... 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

# Overlay Vs Compare

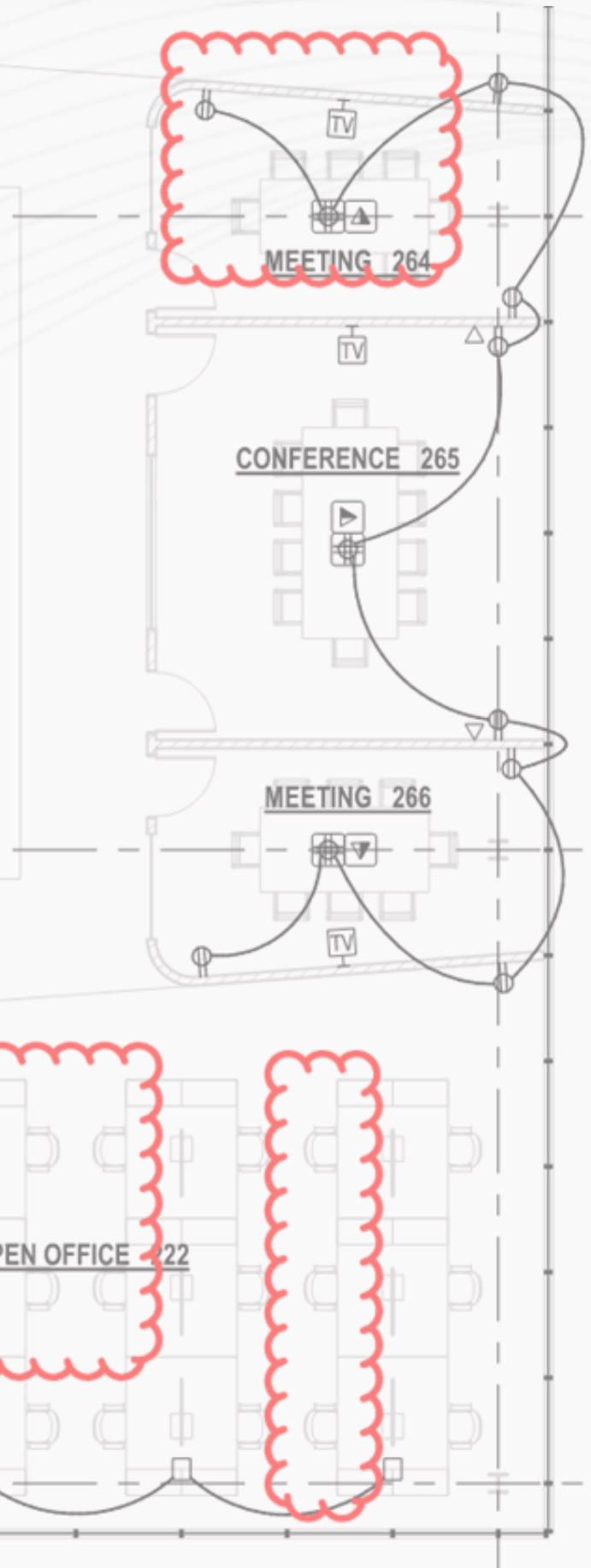
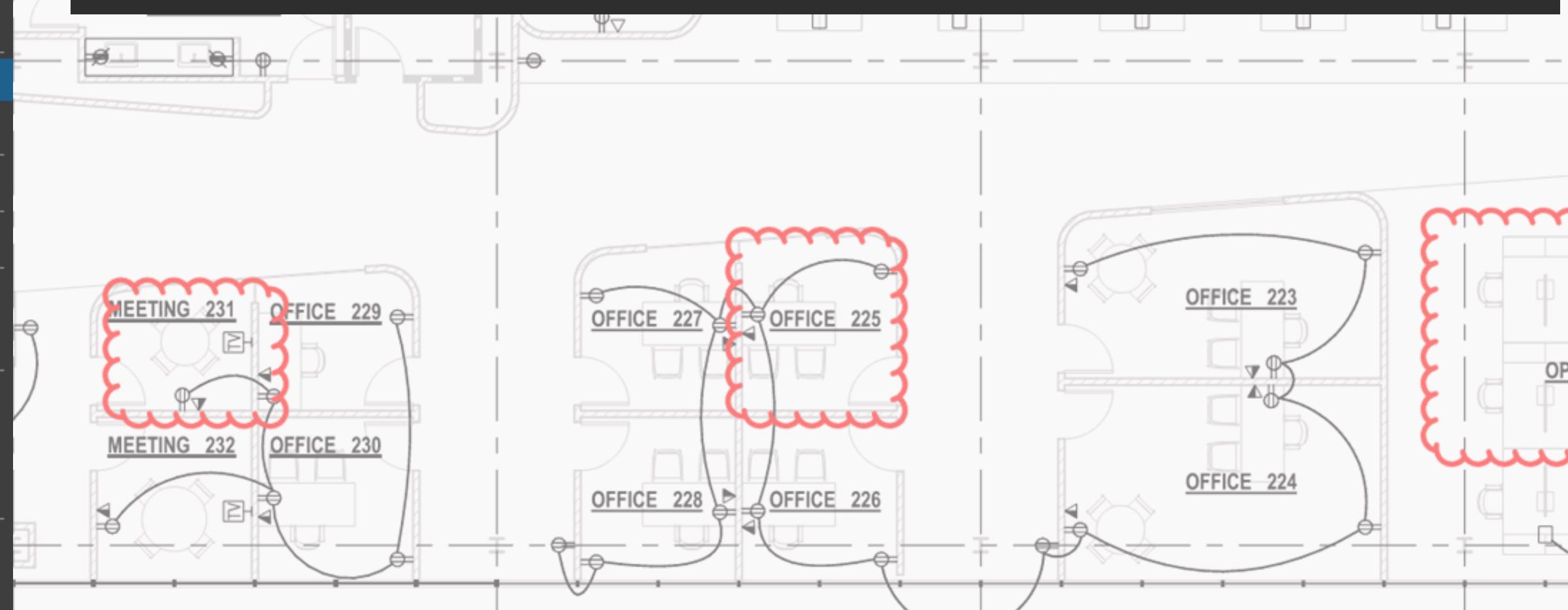
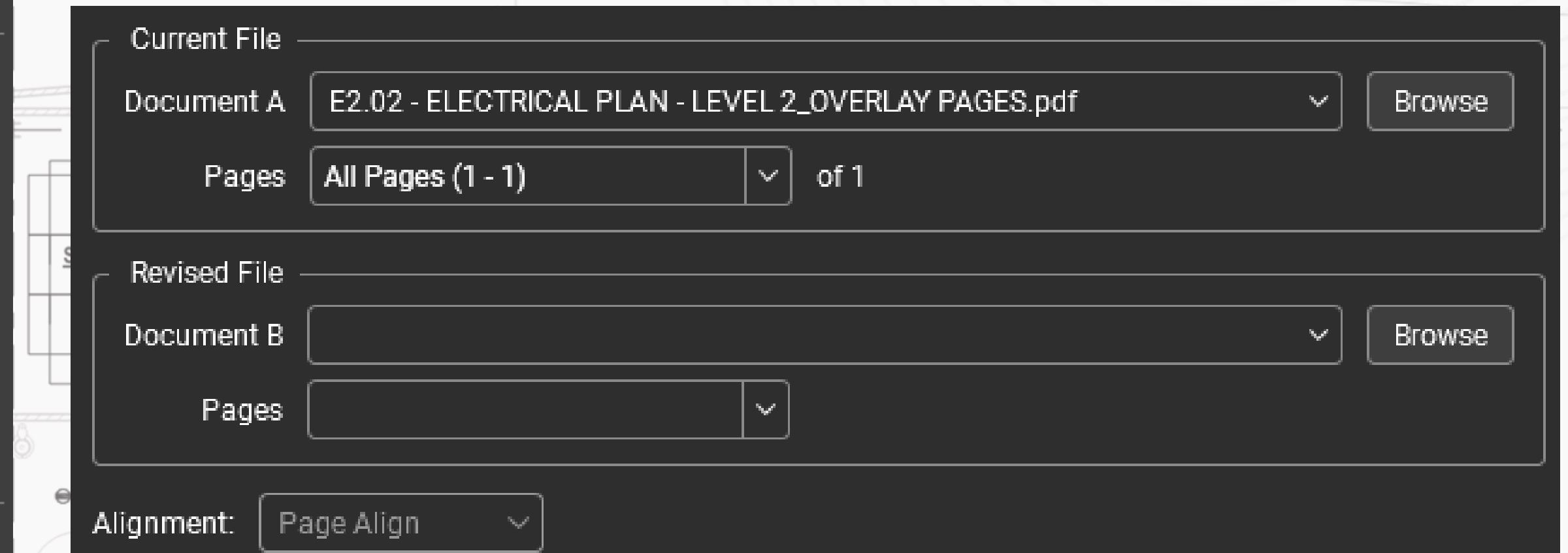
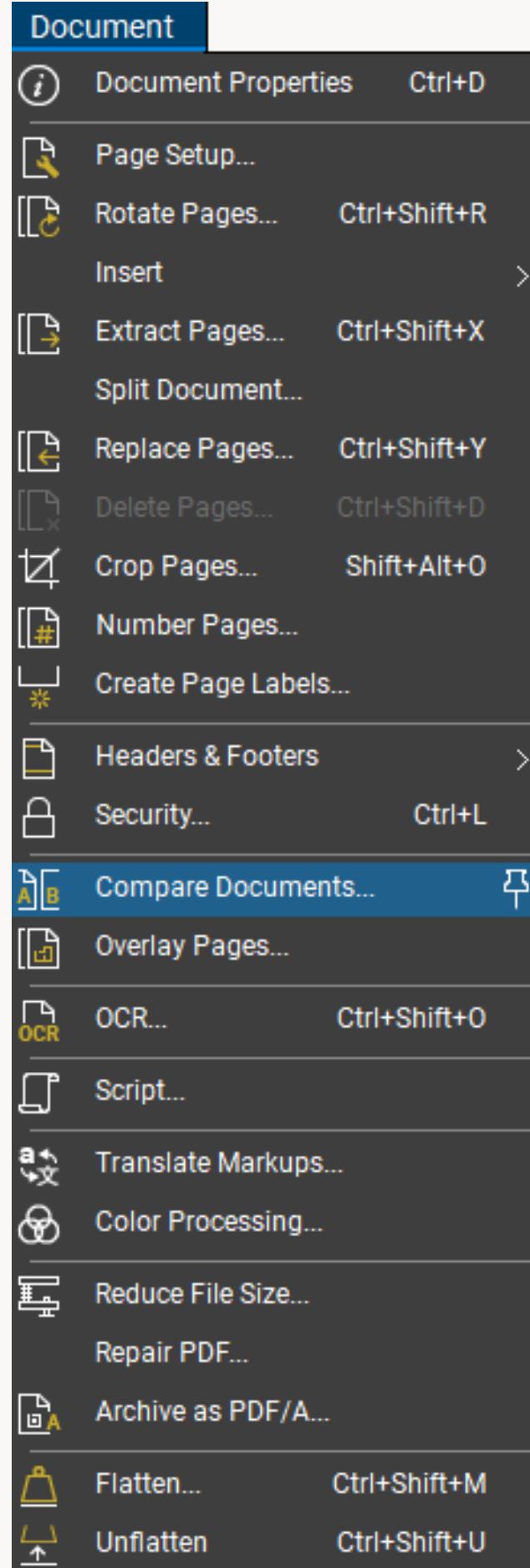


- Document Properties Ctrl+D
- Page Setup...
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- Reduce File Size...
- Repair PDF...
- Archive as PDF/A...
- Flatten... Ctrl+Shift+M
- Unflatten Ctrl+Shift+U

# OVERLAYS & AI ALIGN

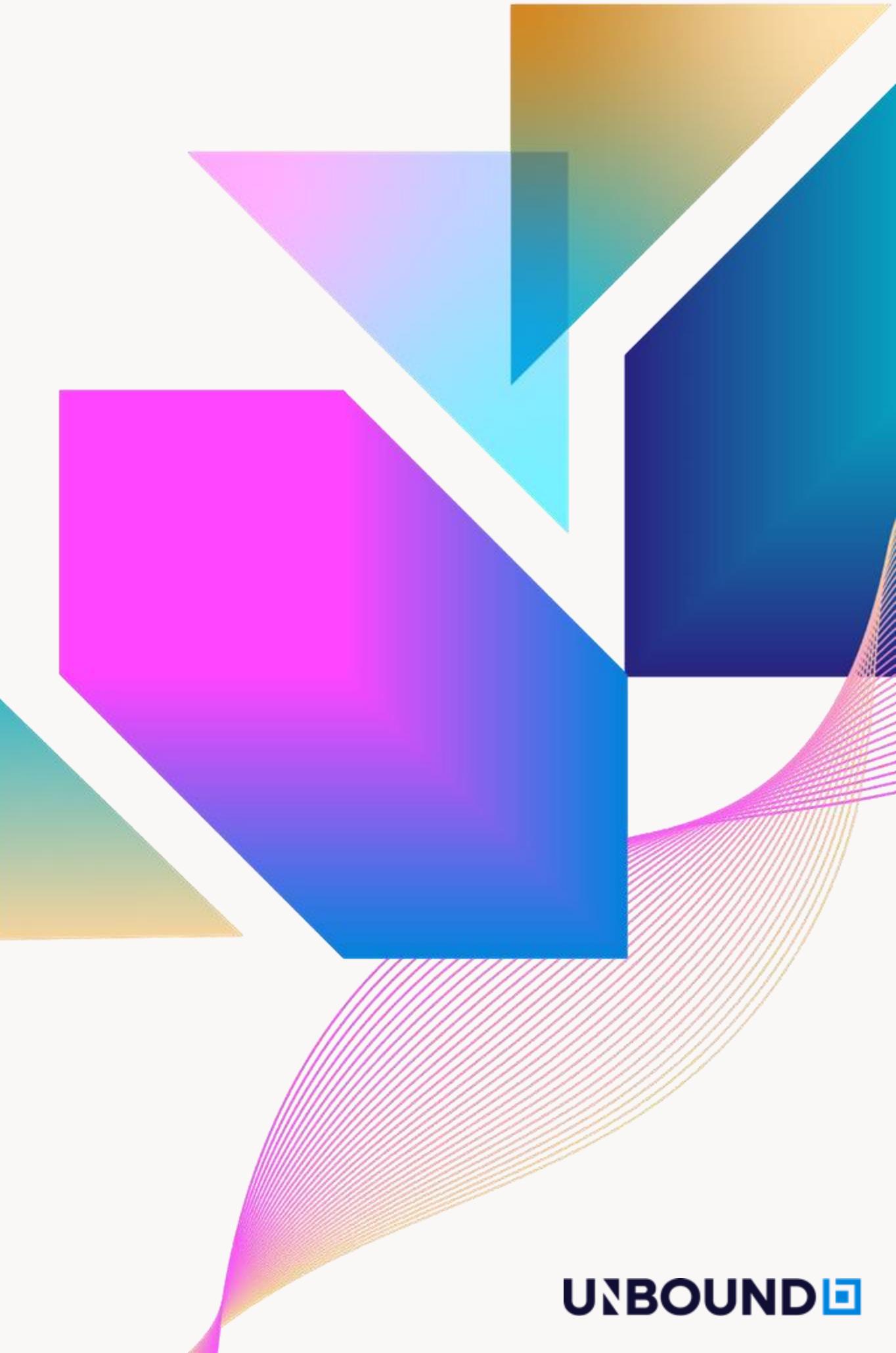


# Compare

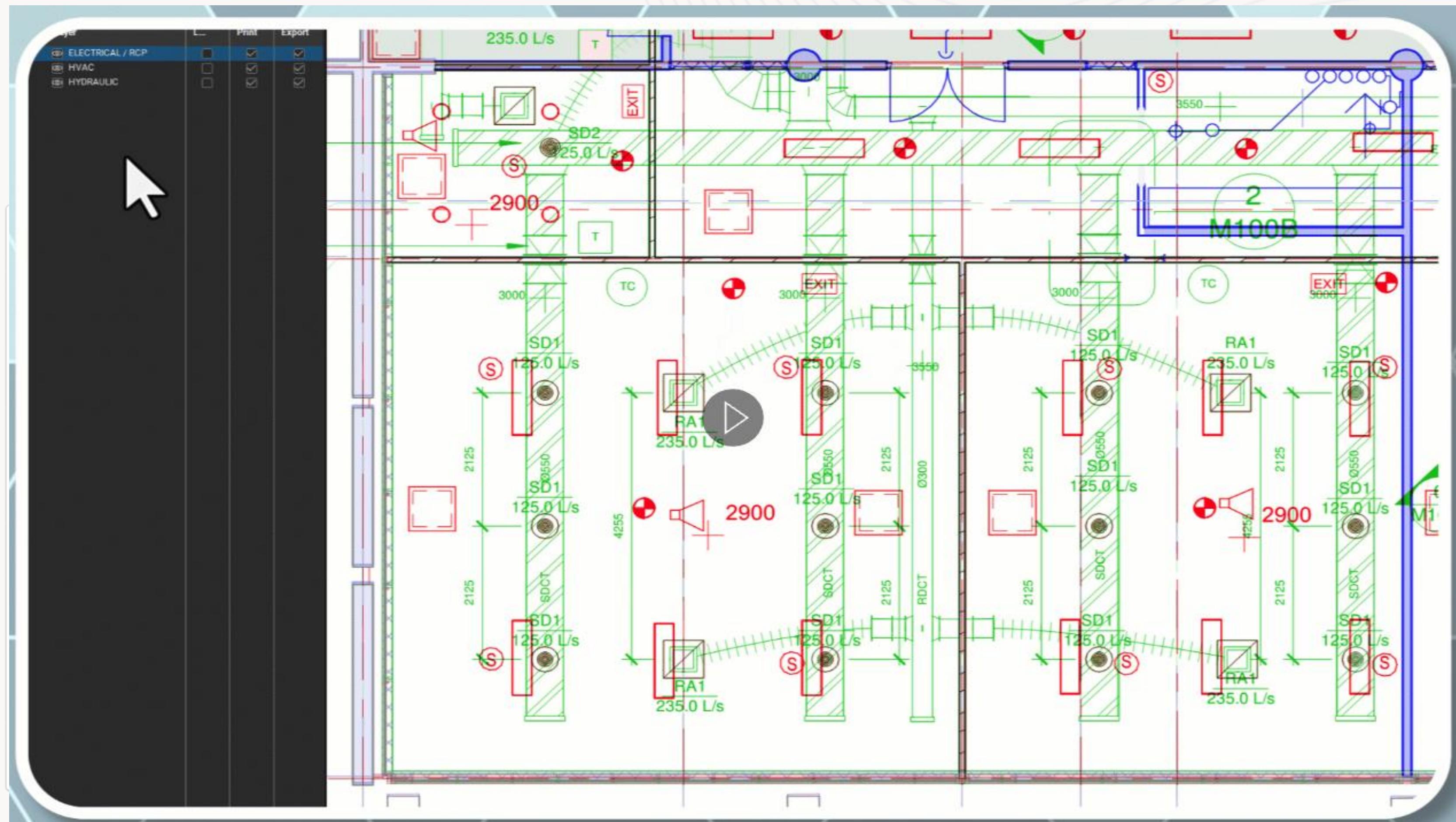


# Part 2 – Overlay basics

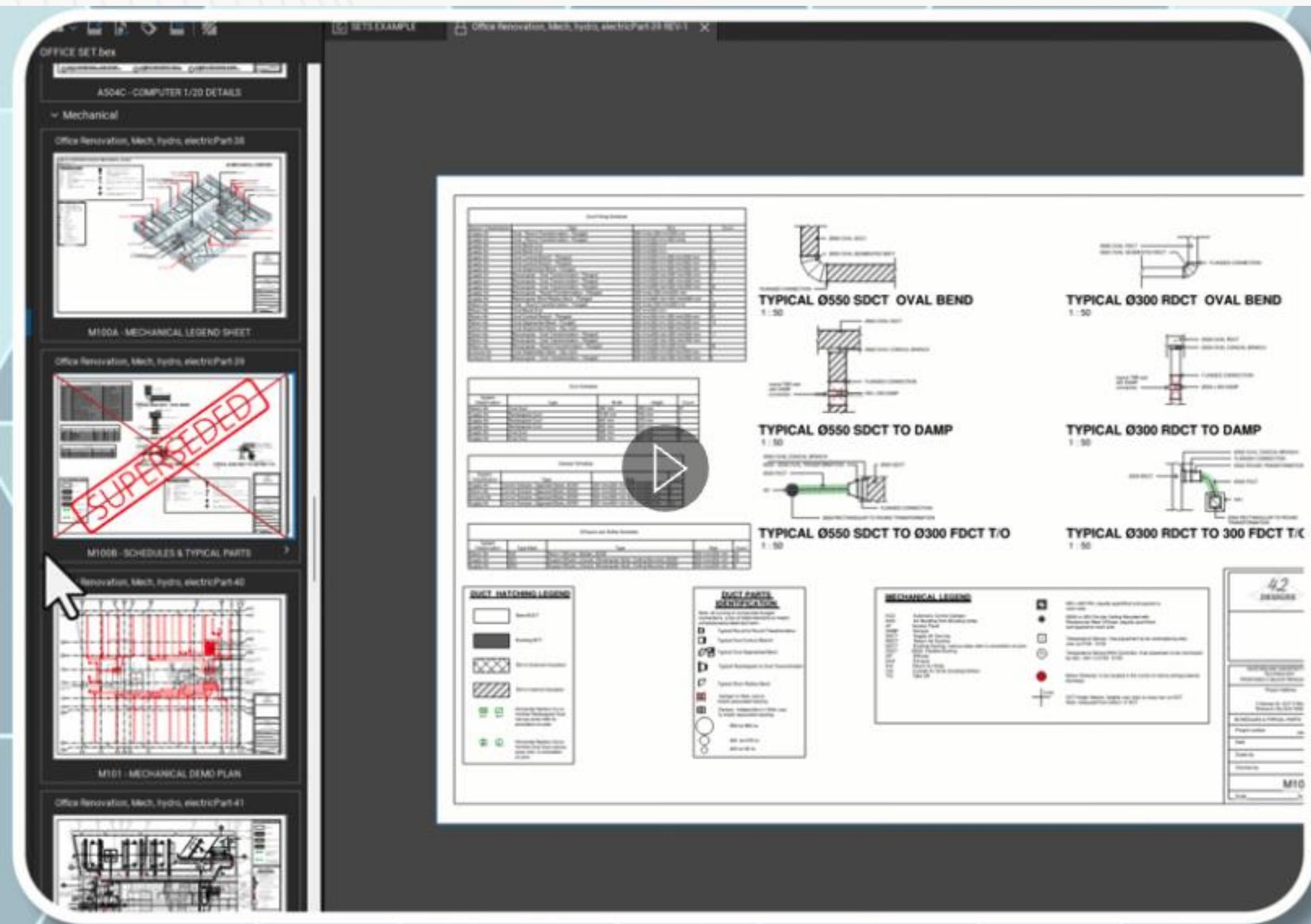
- Clash detection.
- Overlays in SETS.
- Demolition diagrams & new build diagrams.
- Diagramming and patchwork layering.
- Compare docs into automatic reports.
- Overlays in AutoCAD underlays.



# Clash detection



# Overlays within Sets

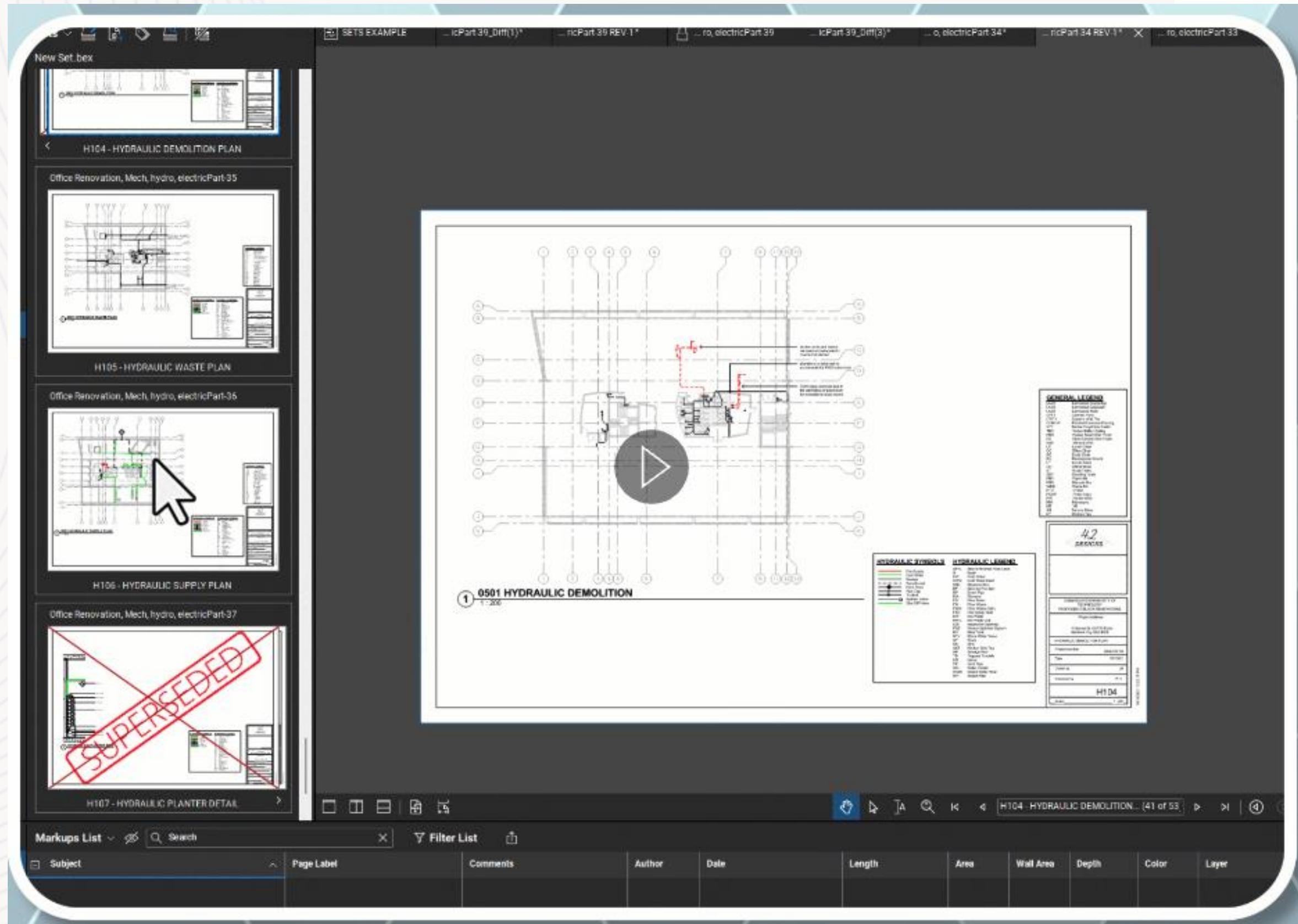


Sets manage document revisions- flick back and forth between old and new revisions

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

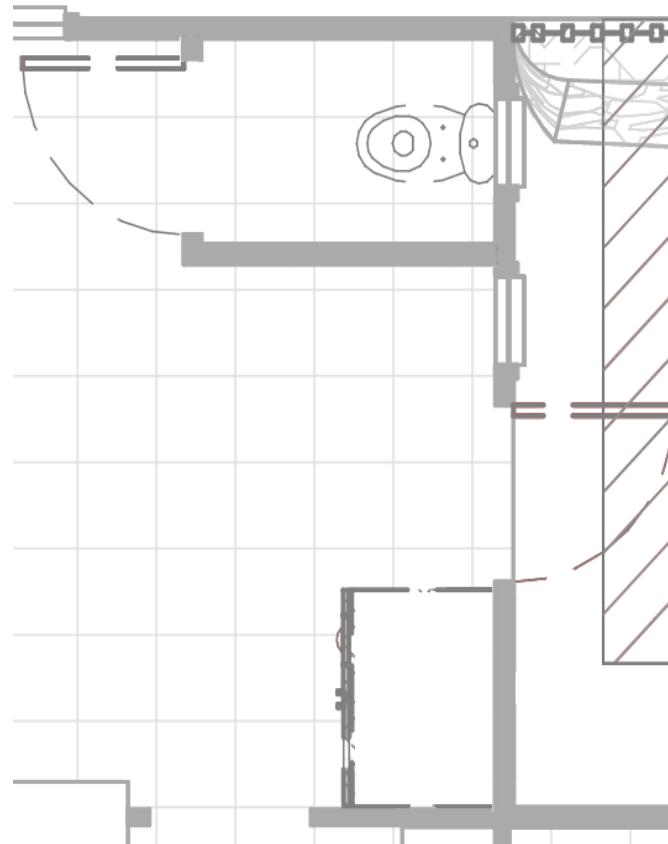
Now the clouded changes sit  
within your master copy for all to  
see

# Demolition Diagrams

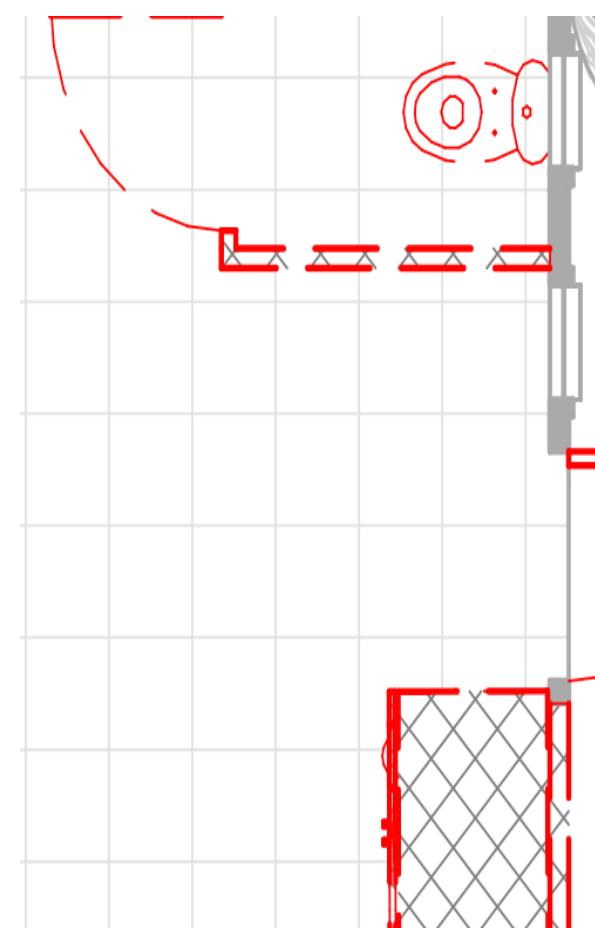
A different method for overlay creation using a colour processing tool

Easily create multiple layers-

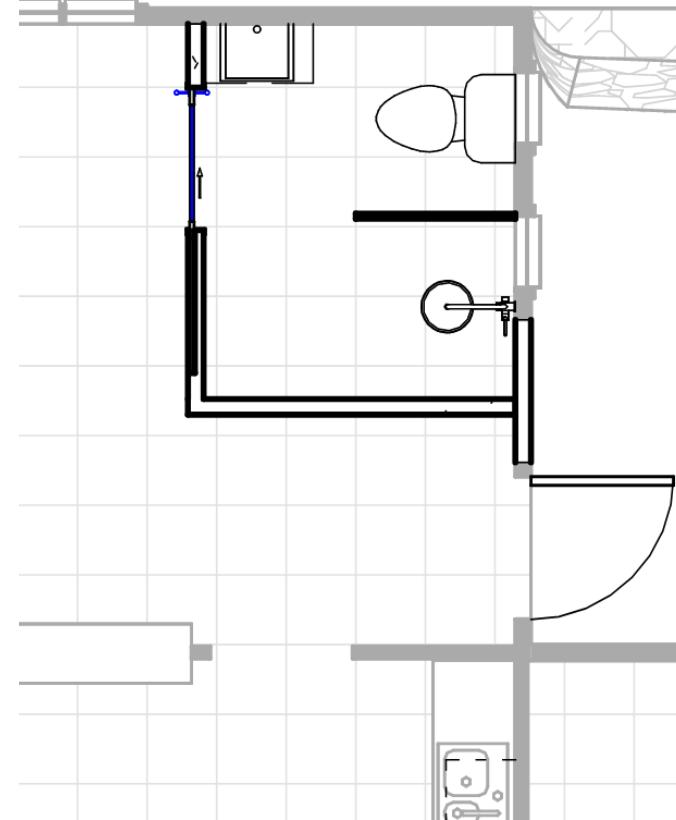
**Existing building**



**Demolition diagram**



**New design**



**All in the one sheet**

**Created in Bluebeam**

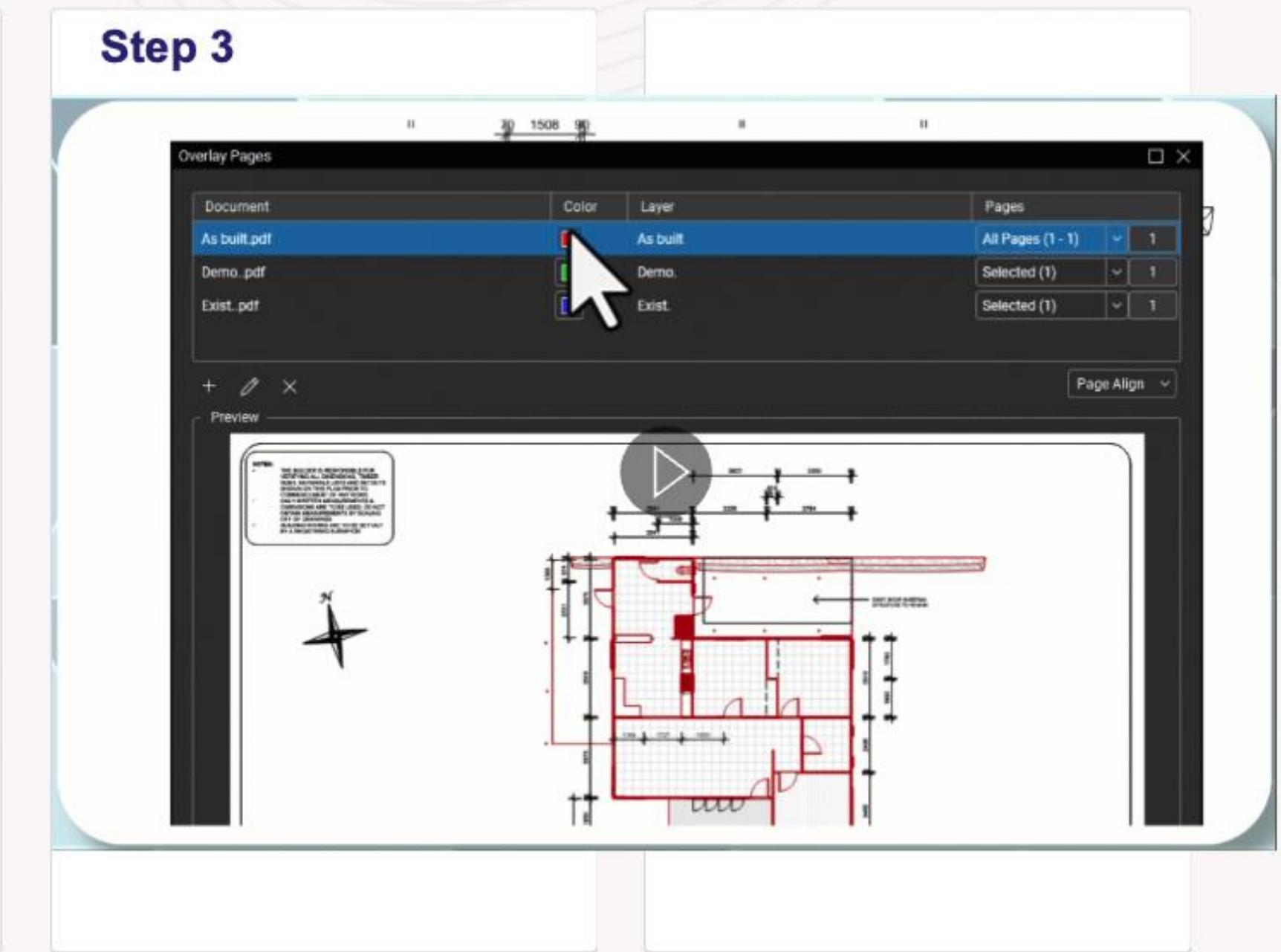
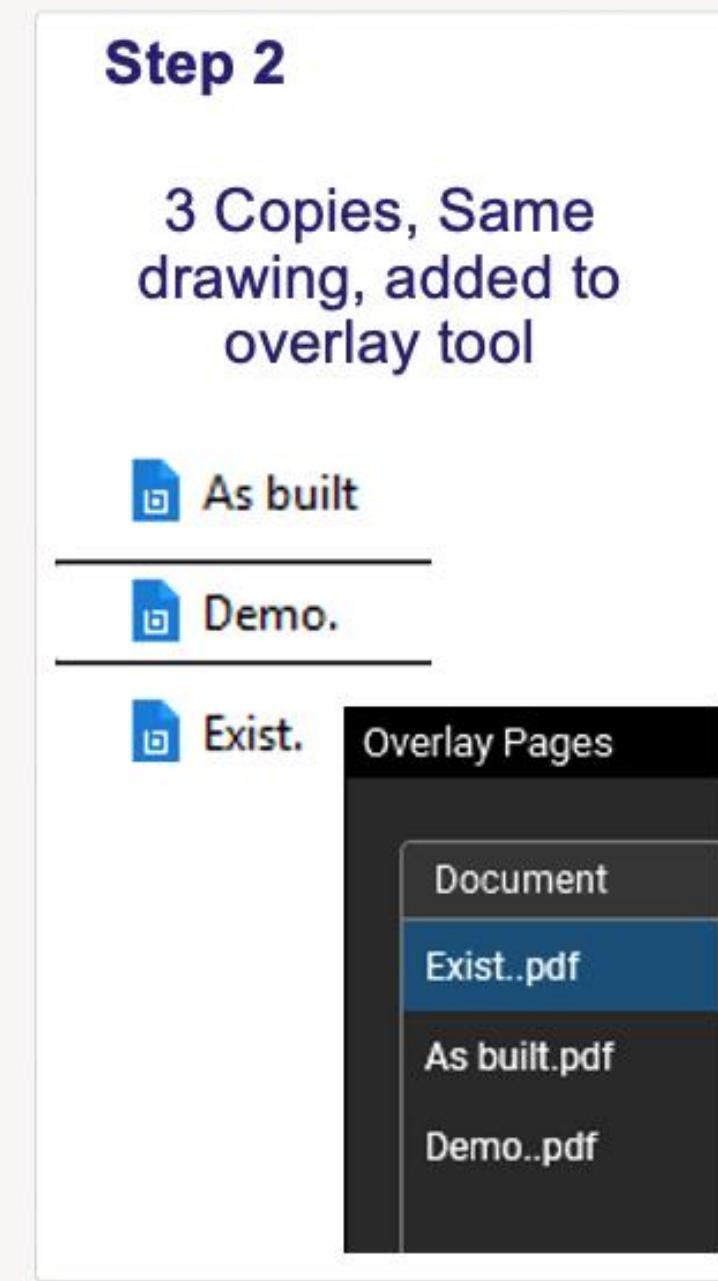
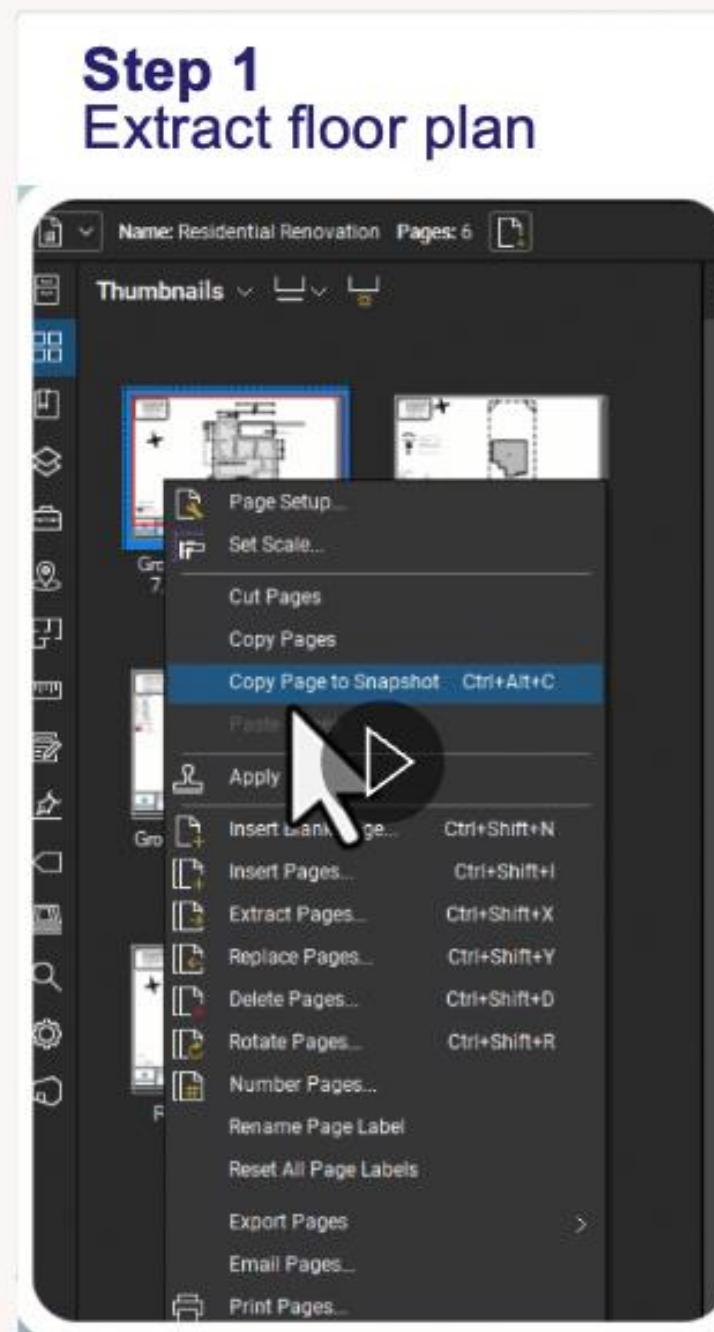
As a Layered in one doc,  
toggleable off and on.



# Demolition Diagrams

A different method for overlay creation using a colour processing tool

## Method 1

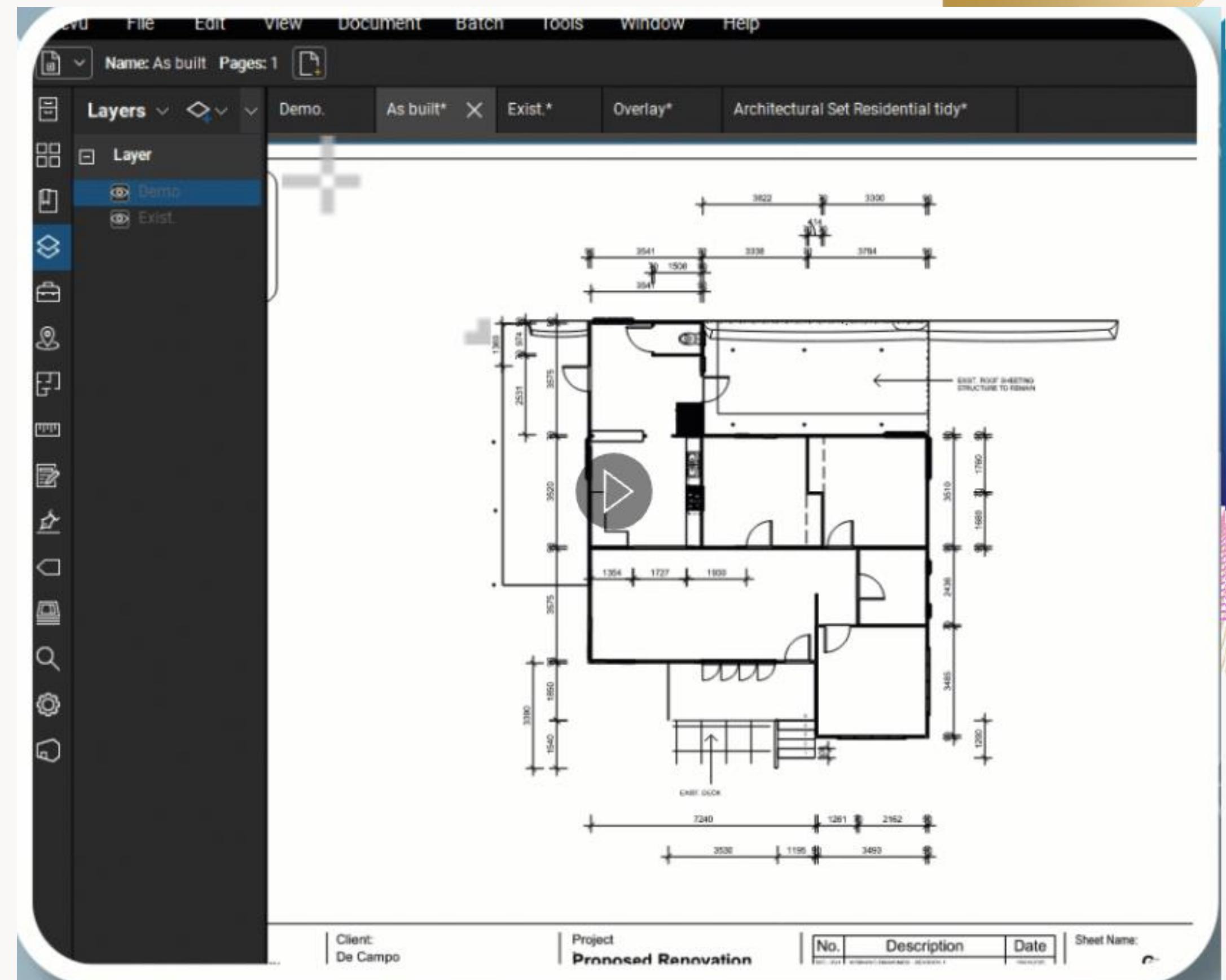


# Demolition Diagrams

## 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'

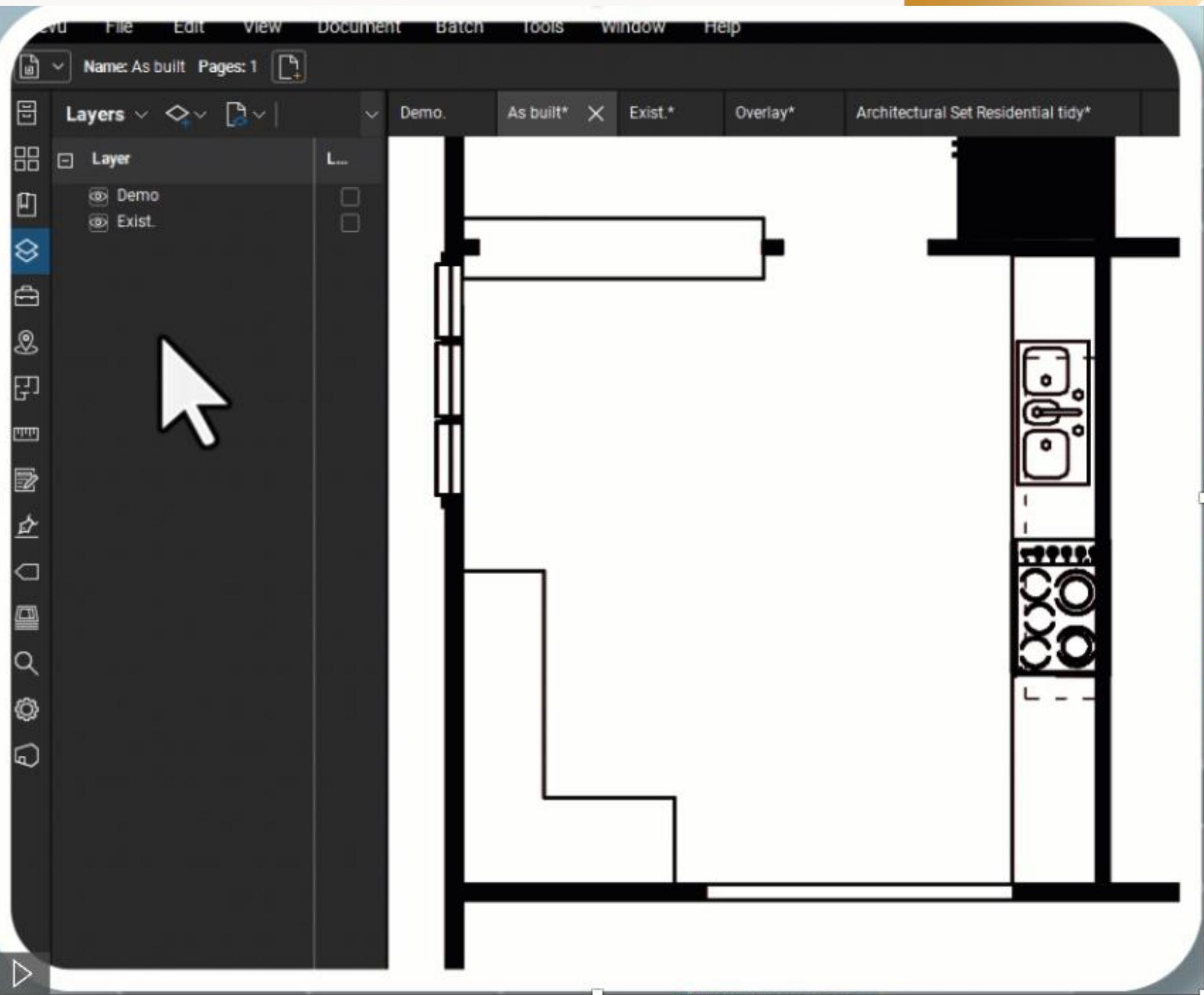


# New Build Diagram

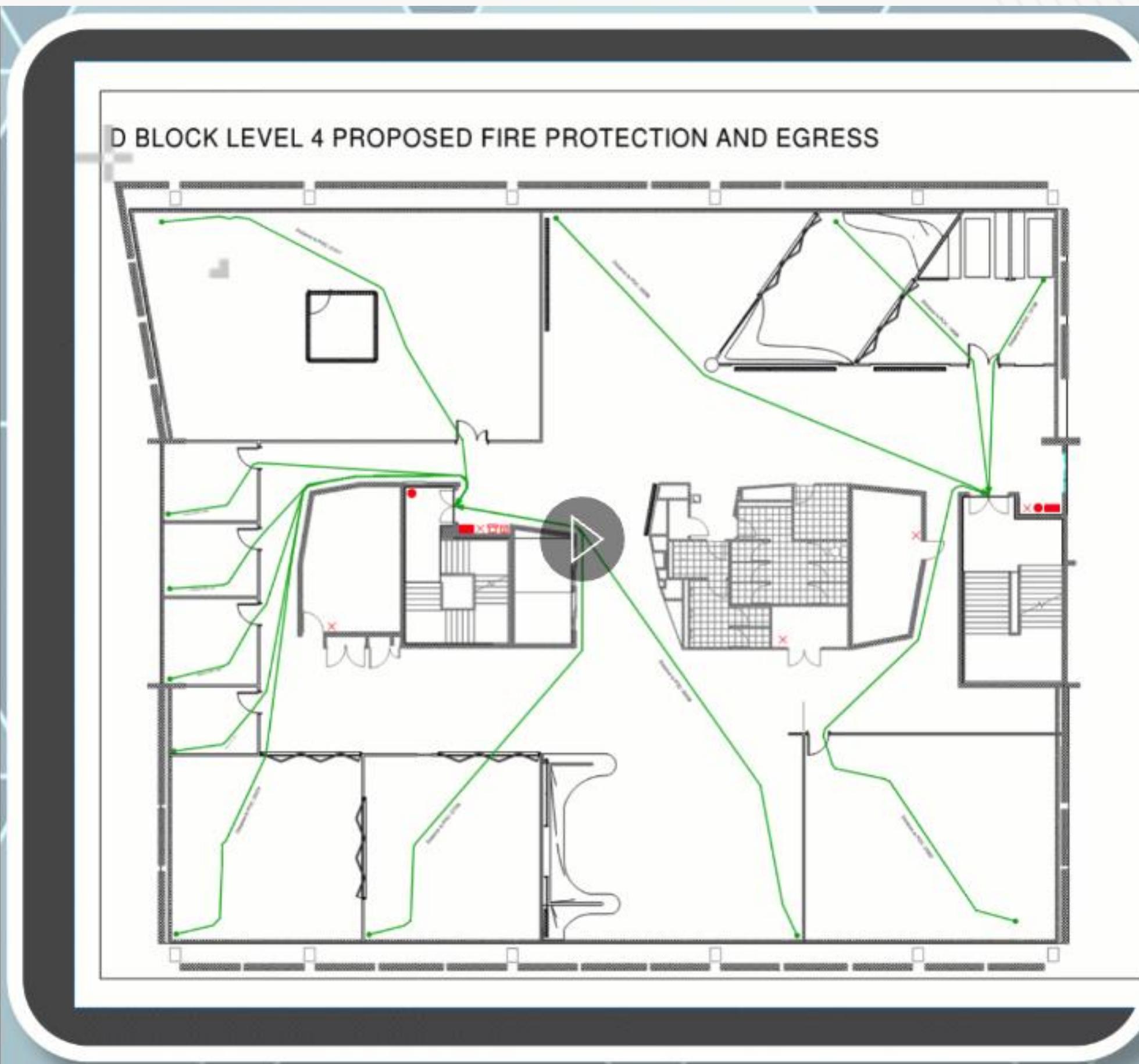
## Steps:

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

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?

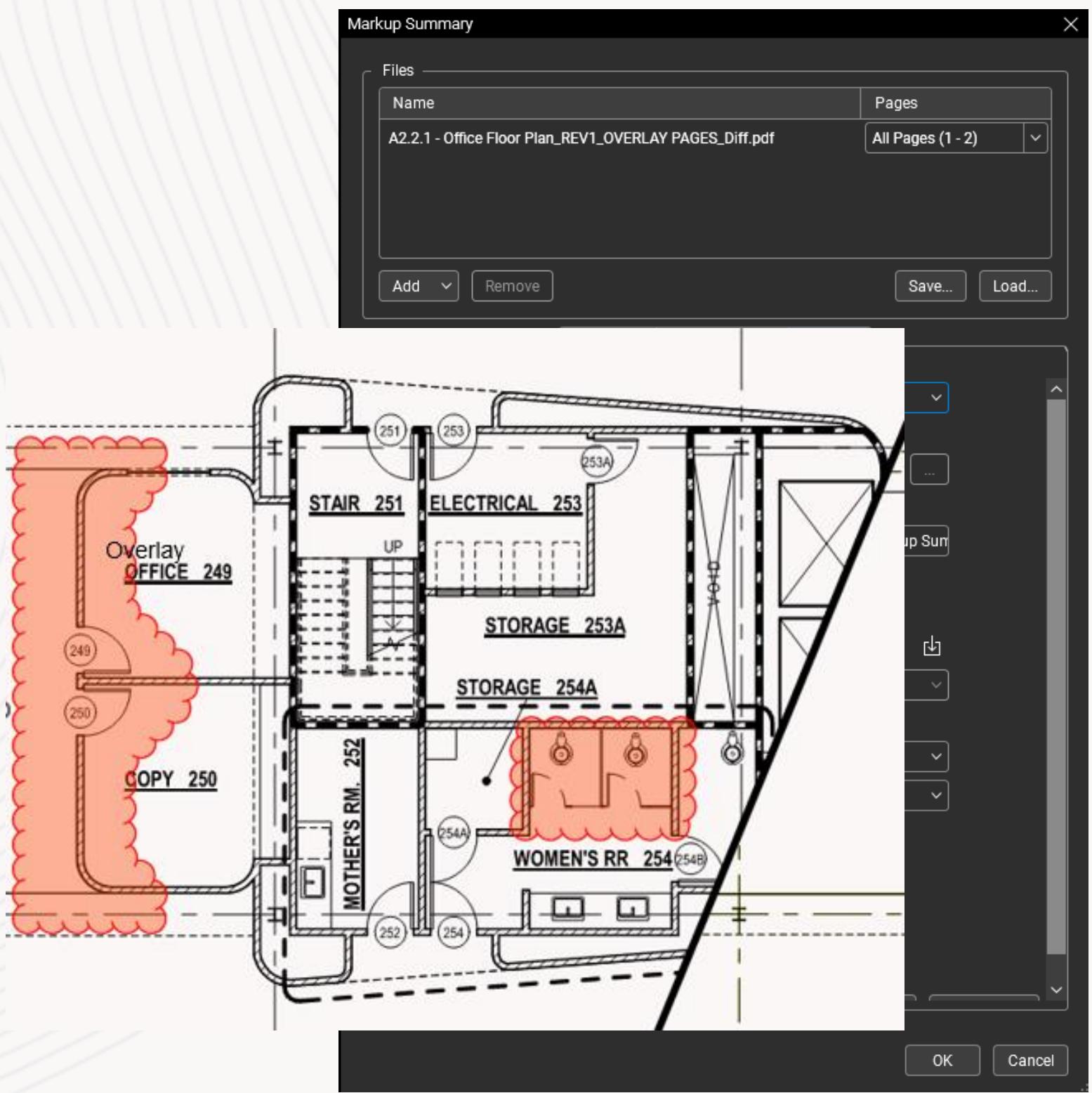
Steps:

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

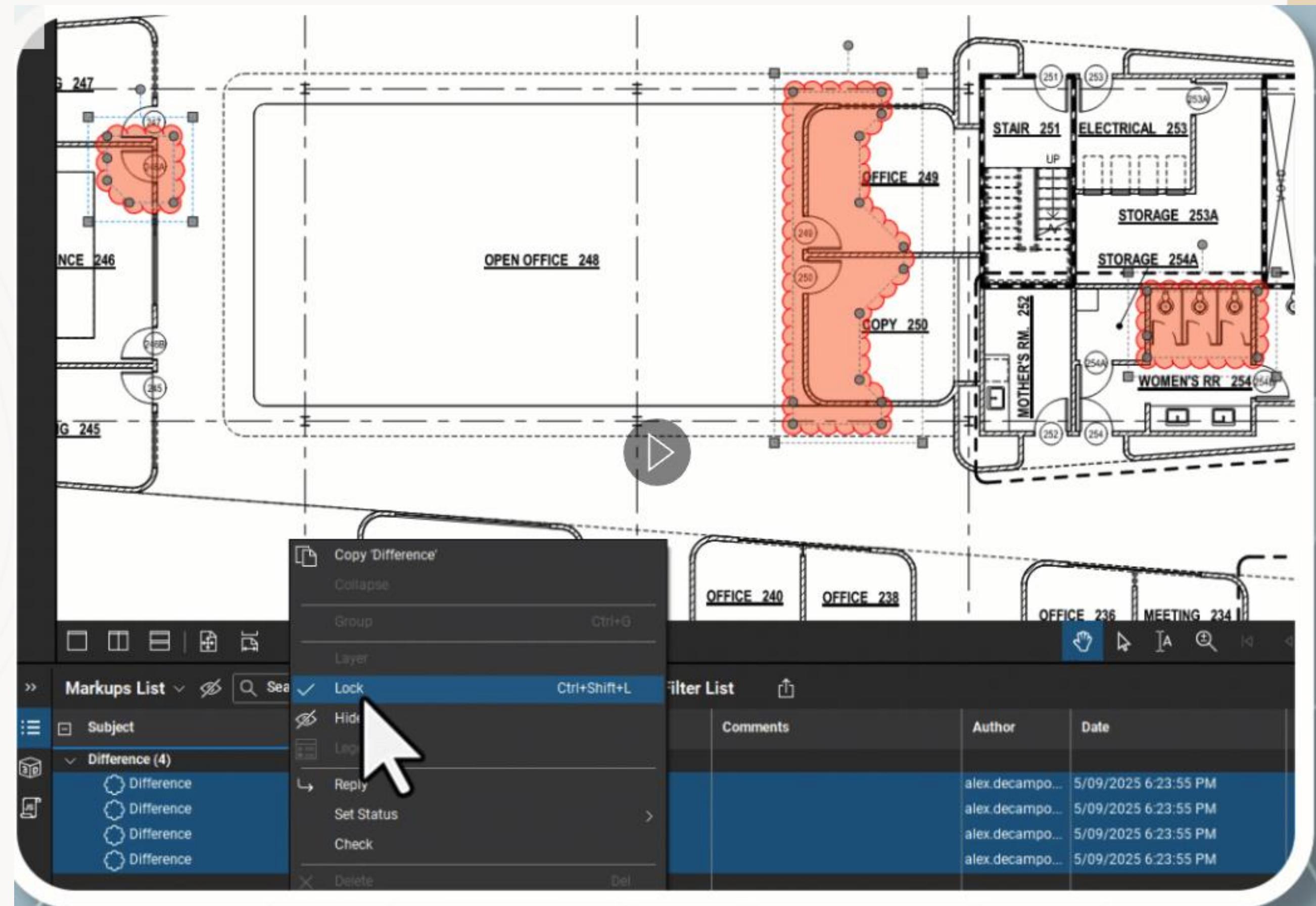


Simply start with a compare doc

Edit the subject of your automatically generated markups

Markups list > PDF export to generate

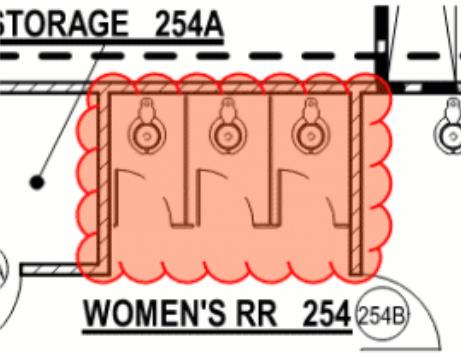
# Step 1



# Step 2

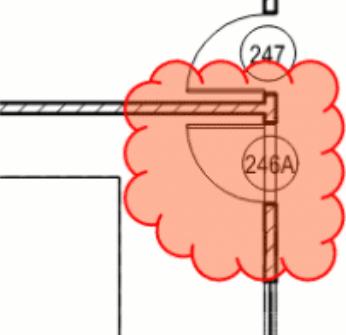
## A2.2.1 - Office Floor Plan Summary

**Bath stall added (1)**



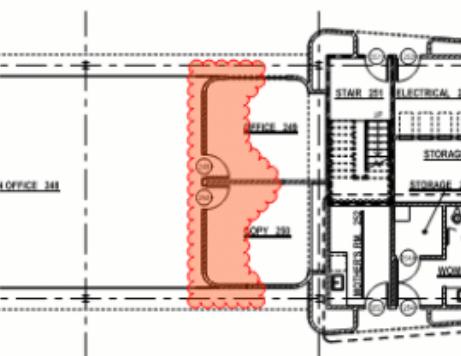
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**Page Label:** A2.2.1 - LEVEL 02 FLOOR PLAN  
**Author:** alex.decampoARK  
**Date:** 5/09/2025 6:26:30 PM  
**Creation Date:** 5/09/2025 6:23:55 PM

**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  Search  Filter List 

**CSV Summary**

**XML Summary**

**PDF Summary**

**Print Summary**

**Output**

	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

**Filter and Sort**

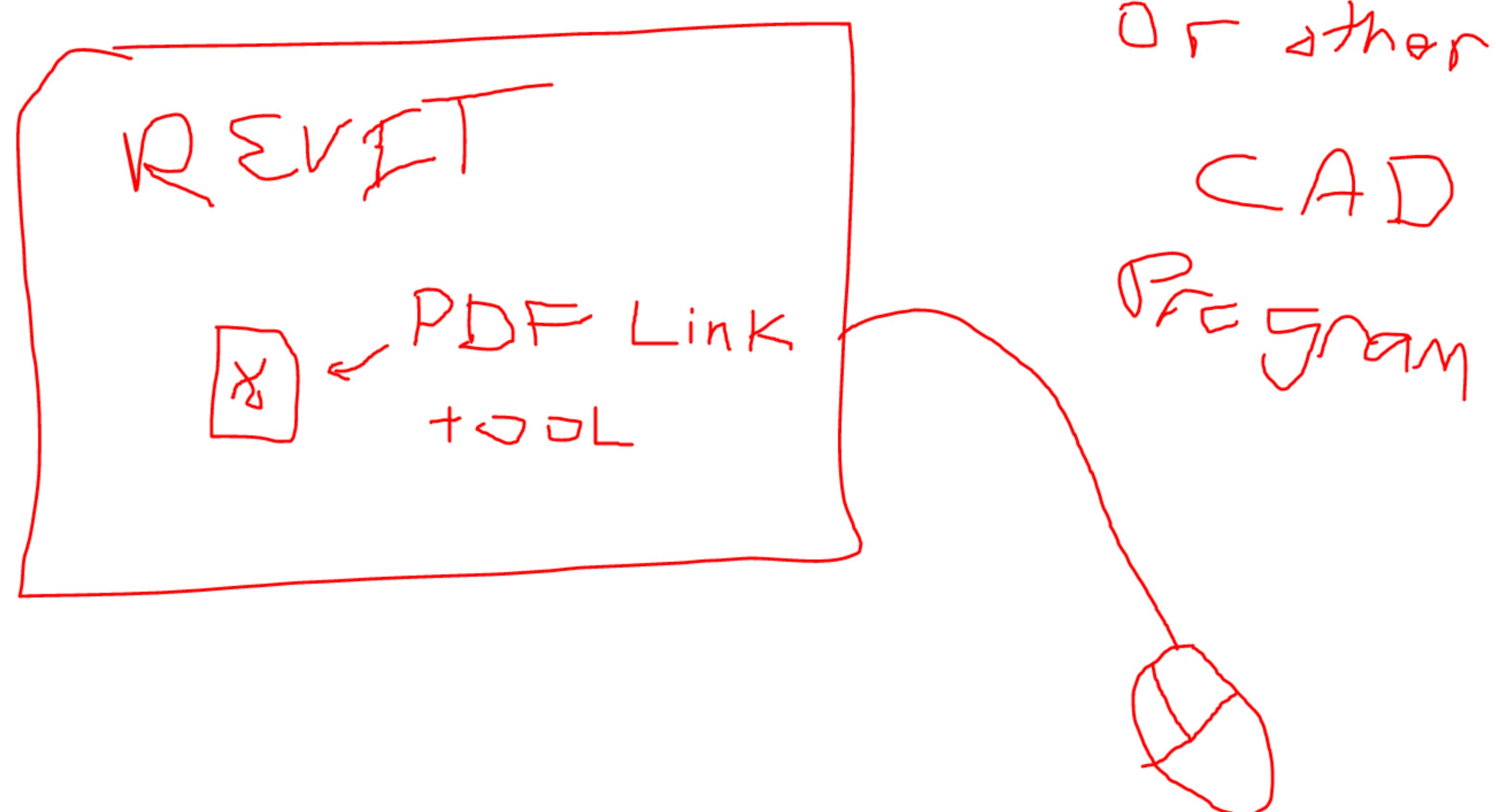
Name	Filter
Subject	[All]
Page Label	[All]
Author	[All]
Date	[All]

**Output**

Export as: **PDF**

Append and Hyperlink to Current PDF

how to underlay drag into revit...



# Cad Link

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

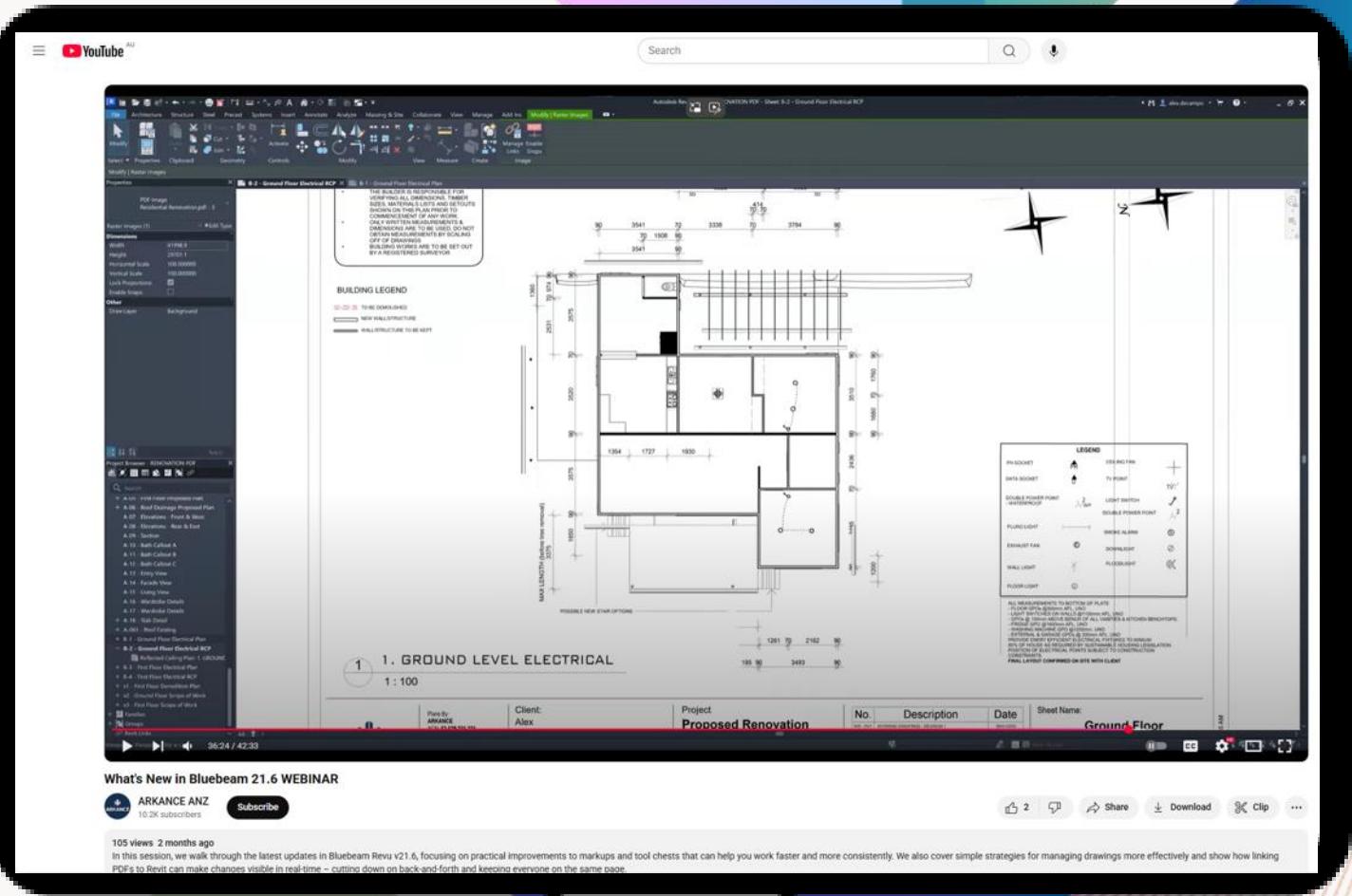
On YouTube, search for Arkance ANZ and have a look at:  
For a full look.

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# Thanks for watching

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

## Q&A

(Easy questions please?)