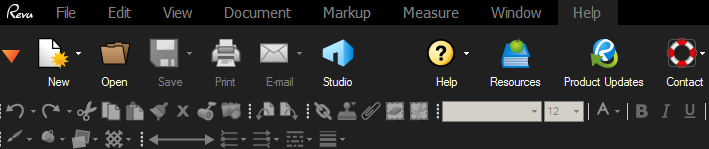
**Bluebeam Demo**

Here is the Bluebeam University video referenced:

http://support.bluebeam.com/video-archives/#getting-started-with-revu-webinar

Interface

Command Bar



Show Markup Tools

b c

Blue knob-panels (3) left, right, bottom button



**Profiles**

Profiles allow us to customize the interface

 Man with the Bowtie

View….man w/bowtie icon…..construction

See options?

More than one way to get tools:

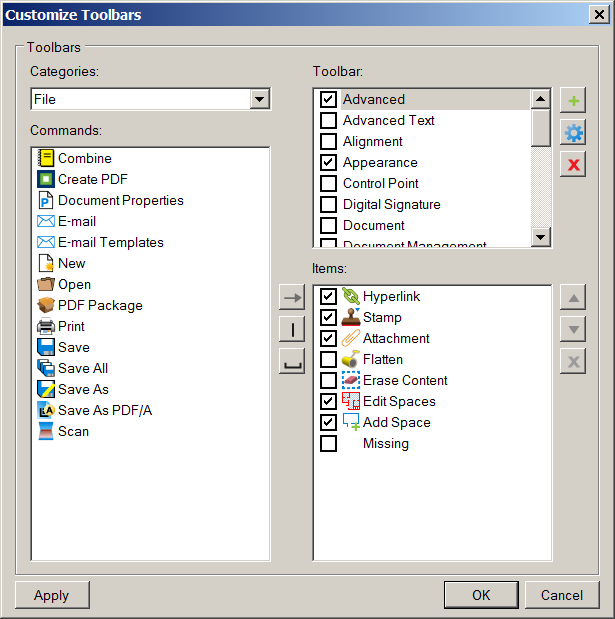
Tools are at the top in the Command bar….to the right in toolbars….and you can use keyboard shortcuts

Make a Custom Profile:

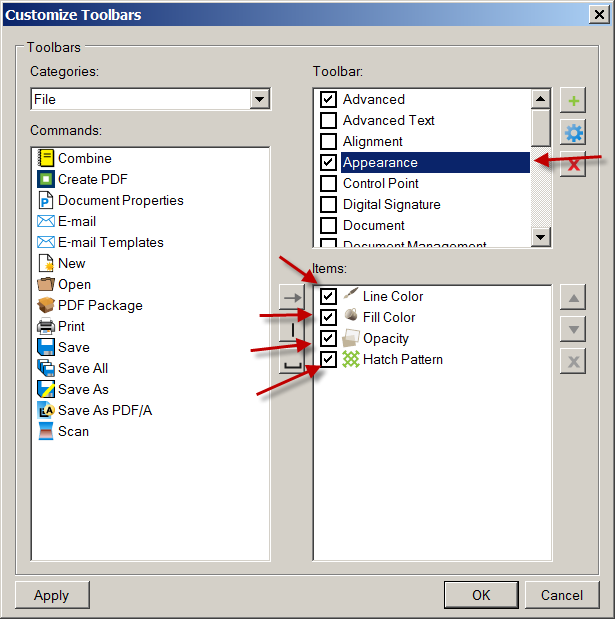
View….pick man w/bowtie icon….Manage Profiles dialog box….Add….name it: Browns Profile 1…OK….OK

View …..toolbar….see checks?

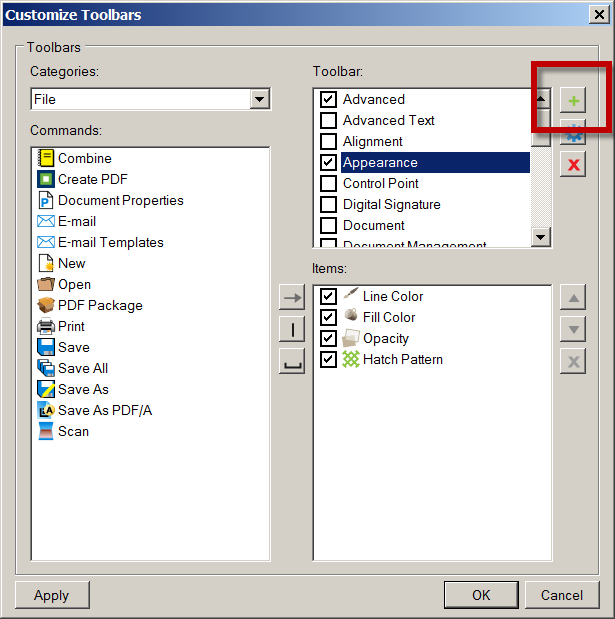
Show customize. Customize bar comes up.



Pick toolbar…..show items (commands) checked



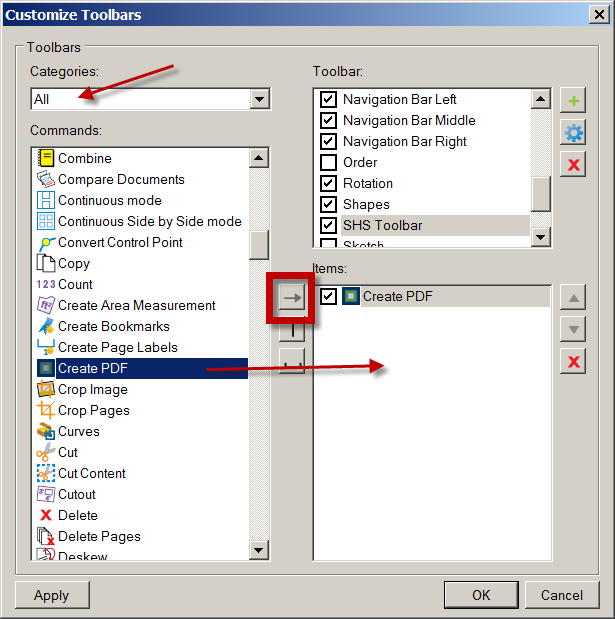
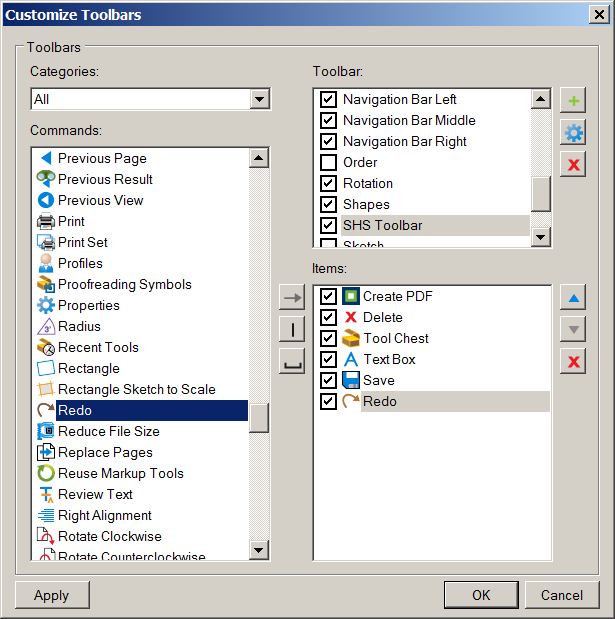
+ New Toolbar



Call it SHSToolbar1…OK

Under Toolbars….Categories: (show Categories) set to ALL

To place in items

Make sure “Lasso” is one of the commands you add….we will need it later.

Show how to move toolbars

To save profile: man w/bowtie icon (side arrow)….save profile

Open C Building Layout 1.pdf

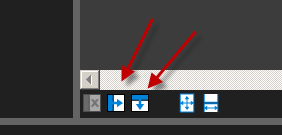
Show zoom and Pan Show Rotate View (counterclockwise)

Lower Right corner: size of drawing (see 34X44?)

**Split screens**

You can split the screen several times.

Lower left corner…split screen



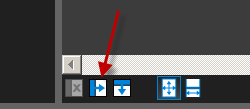
Strategy on split screens:

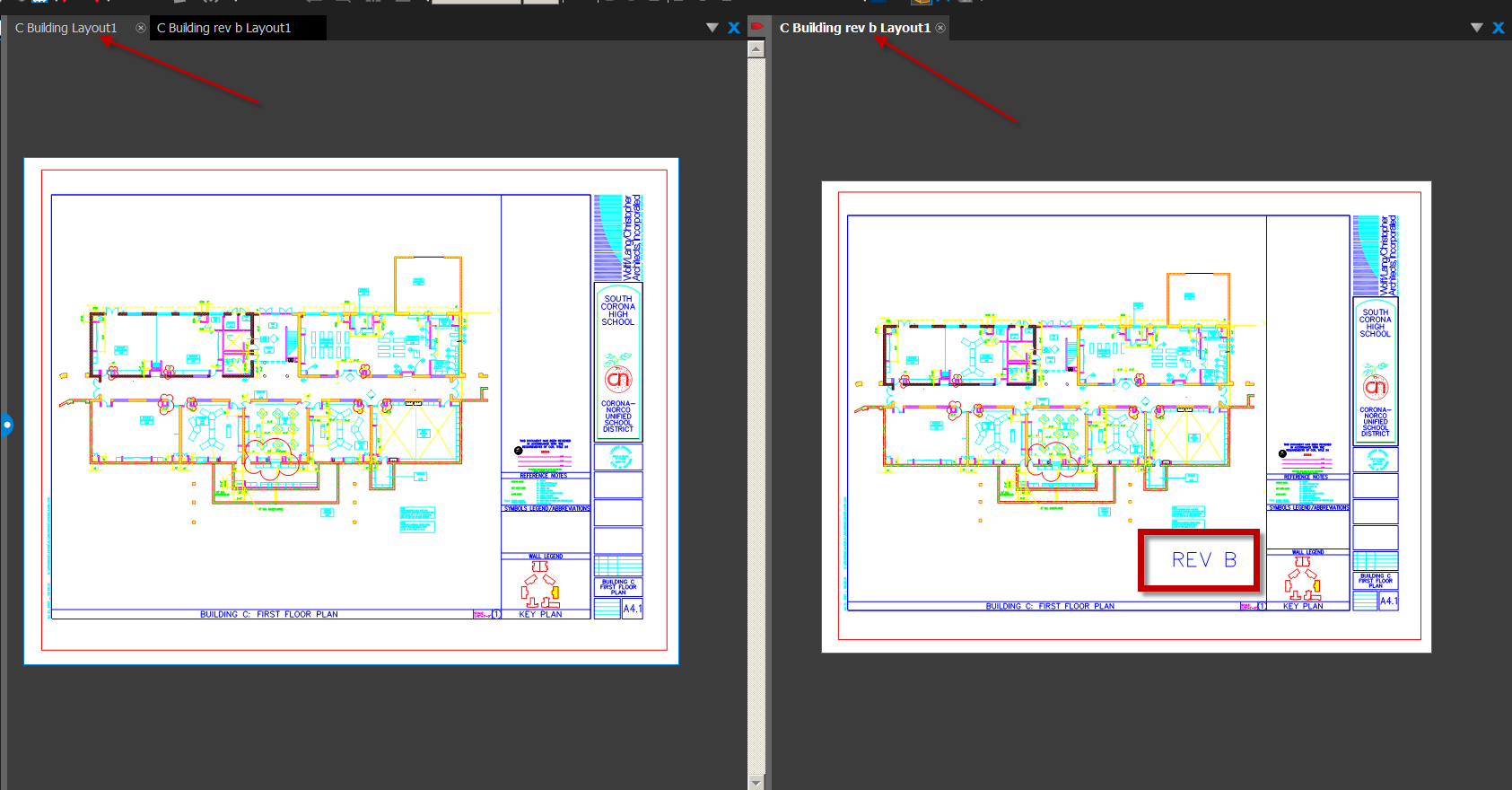
Open C Building rev b Layout1.pdf

Rotate counterclockwise

You have Rev A and Rev B both open (see the tabs at the top?)

Split screens





Hit SYNC button on bottom (blue highlight means it is active)

Pan….see how both move together? That’s pretty cool!!

Check for differences…can you find them?

Uncheck SYNC

Now pan around….they don’t move together….

Close the Rev B pdf

Open a Curtain Systems 2014.pdf (text) and C Building Layout 1.pdf

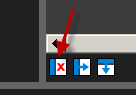
Split screen

Scroll wheel moves up and down on text.pdf…but in-out on drawing.pdf

Bluebeam understands when it is looking at text…and when it is looking at a drawing!

**Unsplit**

Icon on lower, left corner



**File Access**

File Access is the easiest way to open .pdf files quickly.

o Tab Access

See File access?

It opens a sort of .pdf browser/explorer

See pin? You can pin files so they stay on list.

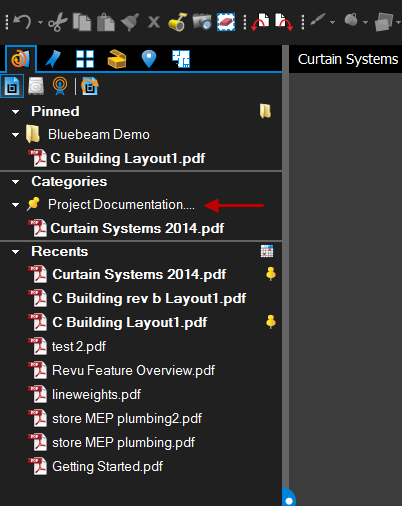
If you scroll over file, preview pic comes up!

RC….pin

You can go to a file…RC on Curtain Systems…Pin….New category

Name it: Project Documentation…OK

See file inside folder….pinned?



You can open multiple files at the same time. Tabs at the top to cycle through

**Markups**

Close the panel (blue thing)

Open C Building Layout 1.pdf

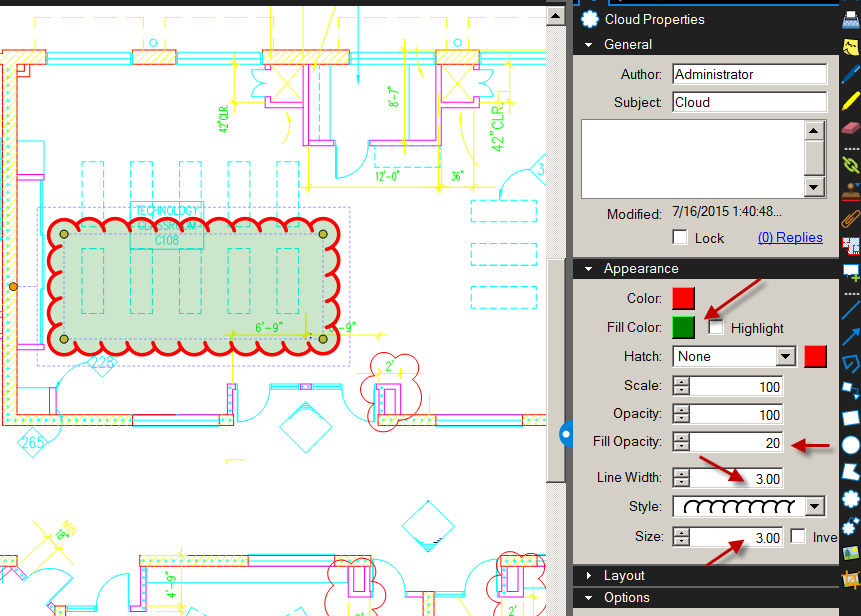
Show tools on right….text…..pen…eraser…etc

Show properties tab (hit blue tab to the left of icons)

See blue gear looking thing?

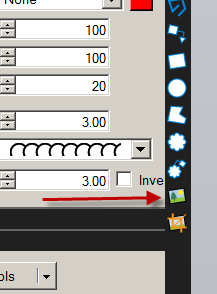
Make a cloud in the Technology Classroom C106 around the lower 5 Tables

Adjust the cloud appearance



**Markup Tool**

Show “image” icon (green toward bottom)



Allows putting image on sheet

Pick Technology table new.jpg

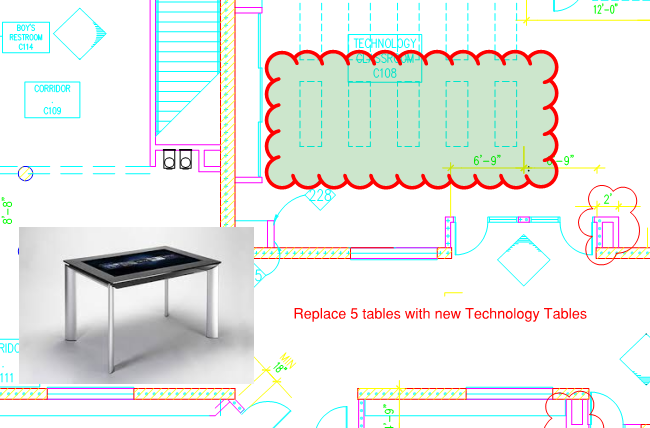
Place it near the revision cloud

Note: see that little orange ball near the pic…grab it to rotate the pic

Add a text note: “Replace 5 tables with new Technology Tables”

Show AUTOSIZE text box

Note: Hold the Shift Key down to move a Markup

****

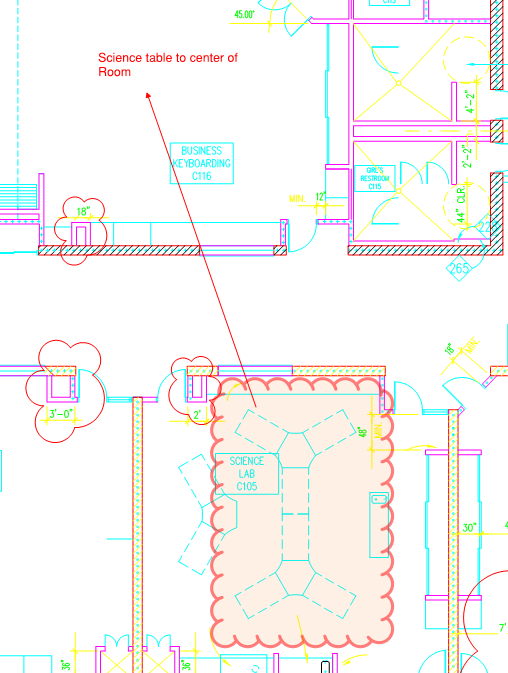
**Subject Line**

Markup Comments

Lasso (to group markup items)

Subject: Interiors (do by discipline for later organization) Disciplines could be : Architectural, Structural, Plumbing, Electrical, Mechanical, Civil, Interiors

Make one other comment/revision cloud to instruct placing a Science table in the Business/Keyboarding C116 lab. Assign it to Interiors.



**Toolchest Feature**

Tab Access

o

Tool Chest

Tracks and stores commonly used markups (like a symbol library)

See recent tools?

Double click on tool….goes to a “properties mode”

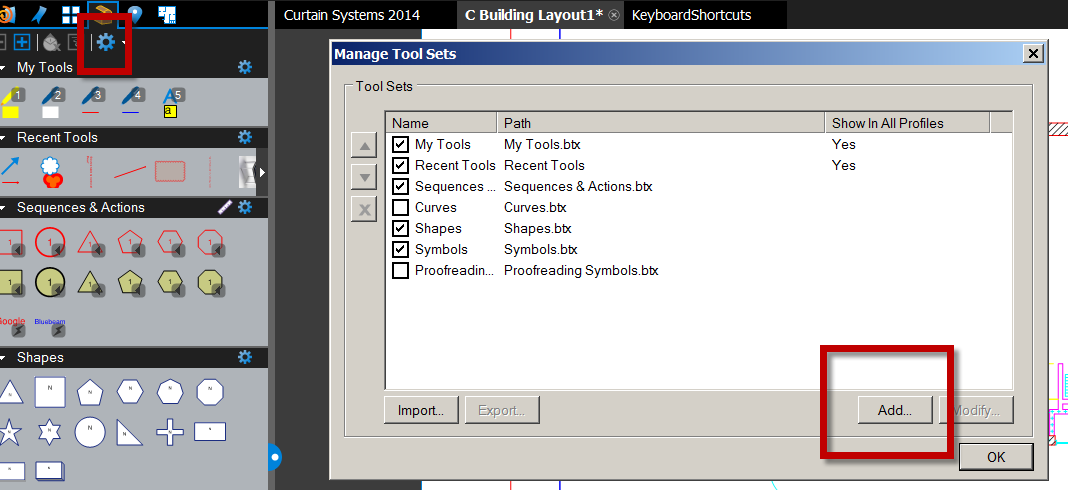
**You can create Custom Toolsets**

Gear…down arrow

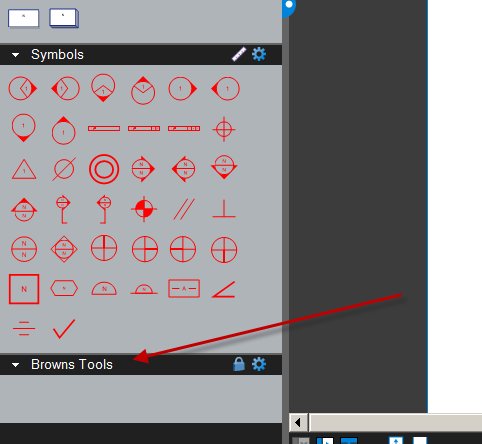
Show custom toolsets loaded

Color coding by discipline a good idea. Example: Blue Mechanical….Red Plumbing…Yellow Architectural….Pink Electrical

Gear…Add…..Name it: Browns Tools…OK



Save it….OK



You can drag markup into toolset…SHOW

RC on markup..add to Toolchest…..pick your toolset

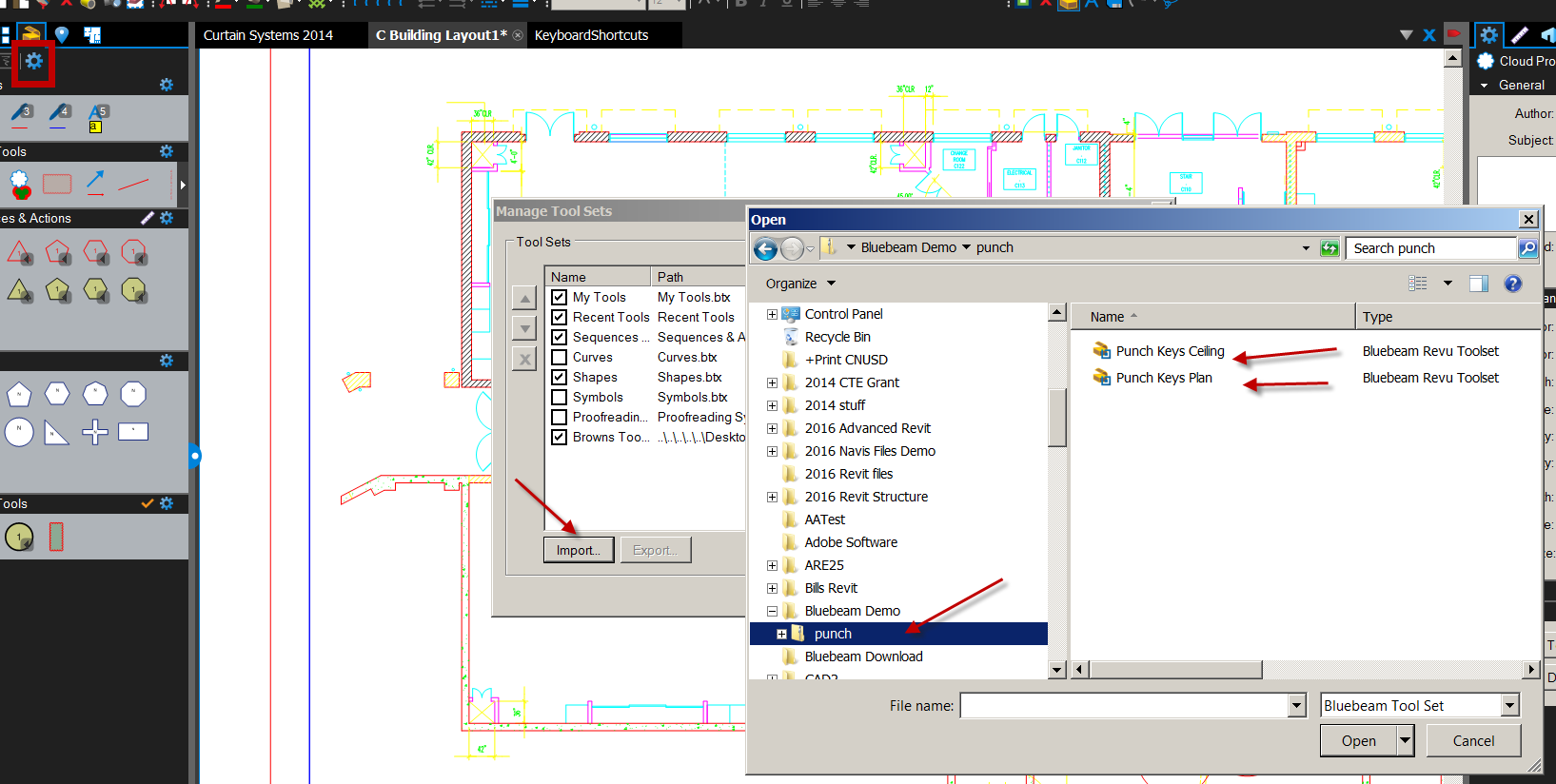
You can download toolsets from Bluebeam’s website

<http://www.bluebeam.com/us/support/extensions-tool-sets.asp>

I downloaded “Punch” to my My Documents

There is a Ceiling and a Floor Plan Toolset

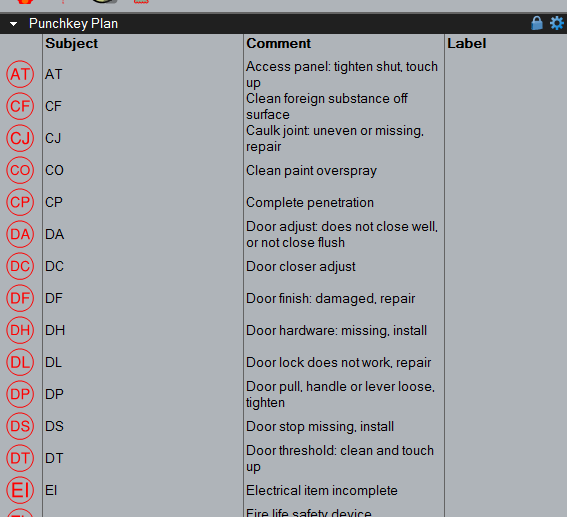
Blue Gear….Import



Punch Keys Plan…Open

See it?

Toolsets can be symbols too. Show Punchkey Plan. Gear on right….you have options on how you view it. Choose Detail. See comments??



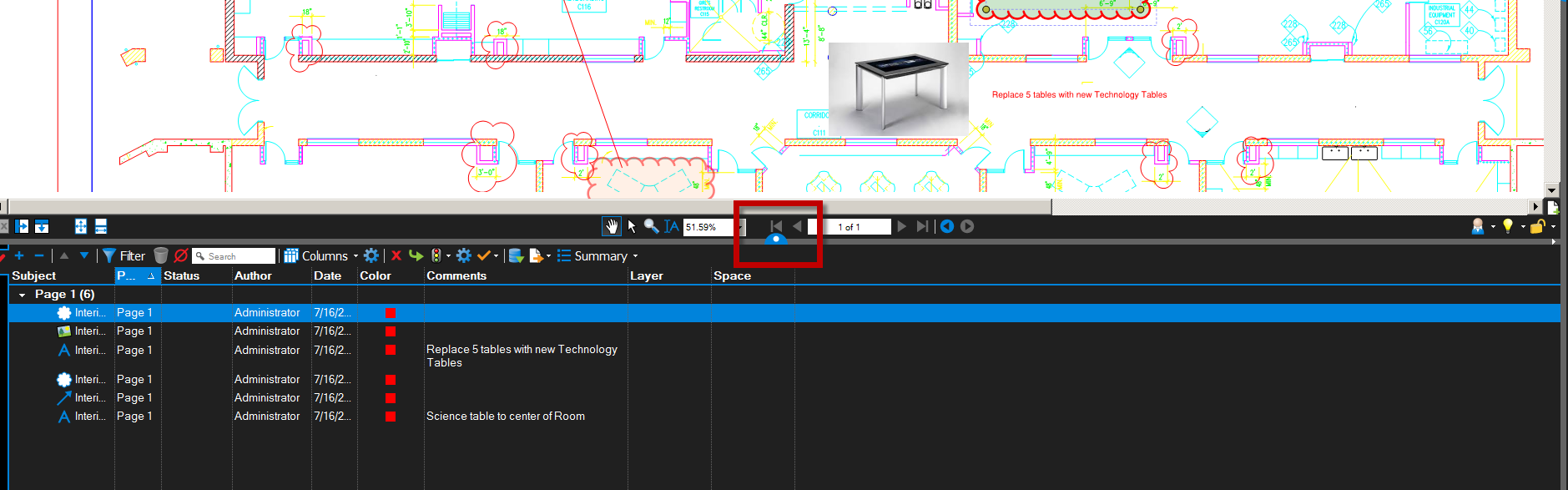
**Note to Brown: I could use punchkeys to align my checklists given to students…color coded.**

The punchkeys are just circles with text inside

**Tracking markups**

Hit the left and right blue control points to hide the toolbars

Markups at the bottom of the screen (blue button)



As you click on each Markup in list, it highlights in screen

You can sort by columns (like an excel spreadsheet)

Common workflow is to send the pdf to say 3 different people…Plumbing, electrical, and architectural. They markup the file…..send it back to you. You then have to combine the markups into one file. Hard if to have to do it manually!

Open Jared Bearden NAWIC.pdf

Make markups as Plumbing….Save as Jared Bearden plumbing NAWIC.pdf

Make sure Subject is Plumbing on revisions

Make cloud colors red

Make markups as Electrical….Save as Jared Bearden electrical NAWIC.pdf

Make sure Subject is Electrical on revisions

Make cloud colors blue

Make markups as Architectural….Save as Jared Bearden architectural NAWIC.pdf

Make sure Subject is Architectural on revisions

Make cloud colors yellow

Open Open Jared Bearden NAWIC.pdf ( the original file)

Solution….**Import Comments**

(blue icon w/green check….above Comments)

Import just markups (not the dwg)

Open the 3 files…open

See markups list? See comments (hopefully by Subject/category) Mine is on far left…

Note: You can change disciplines if you made a mistake (or consultant did)

Checkmark (if done)

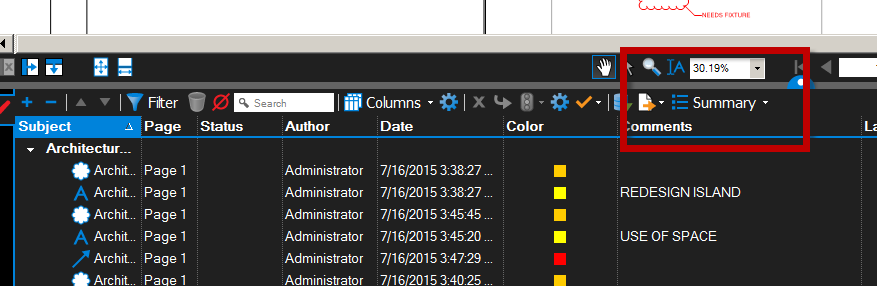
Status:

Filter: stuff not selected becomes greyed out

You can pick the right side arrow to filter by Discipline names.

**Reports**

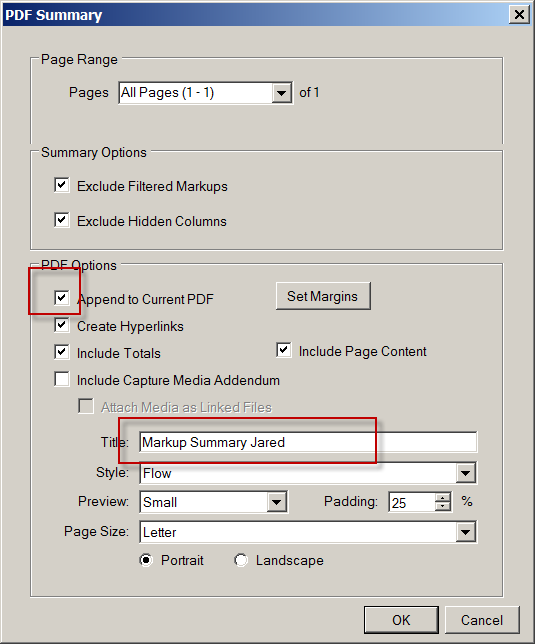
Summary-pdf Summary



Check Append to current pdf

Title: Name it

OK

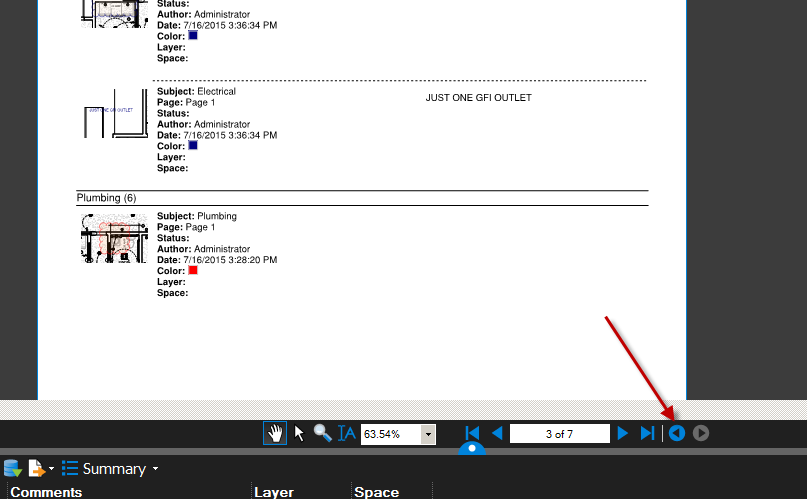


Bluebeam makes a report as a pdf

See thumbnail?

Hyperlink to pdf dwg!

Use “previous View” to get back to drawing



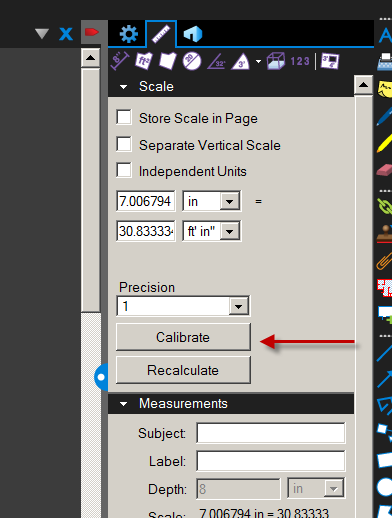
**Measurements and Takeoffs**

Open Jared Bearden NAWIC.pdf

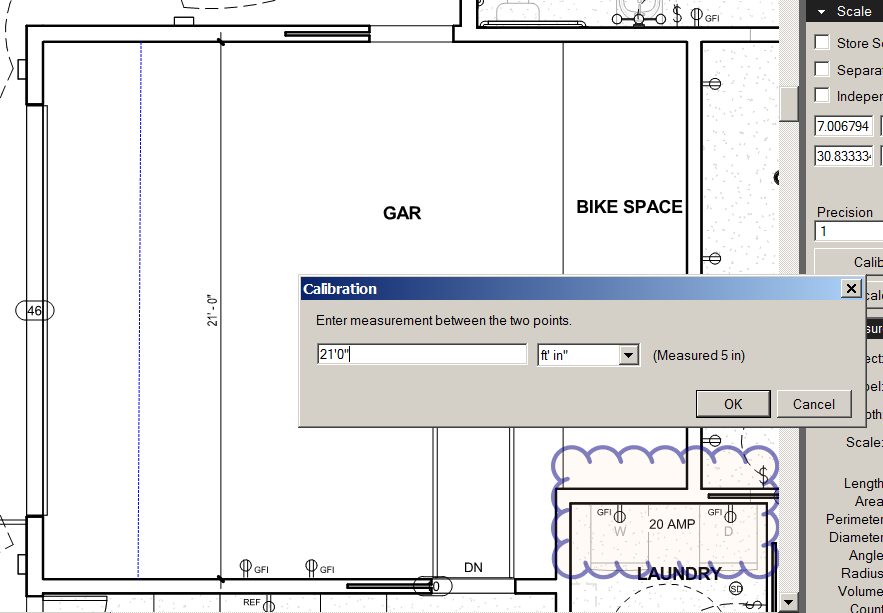
Tab Access…..Measurements It will look like a Scale Toolbar.

**Calibrate drawing**

Calibrate



You need to know the size of something in the file (to compare to). He has a 21’0” dimension in the Garage. Use that.

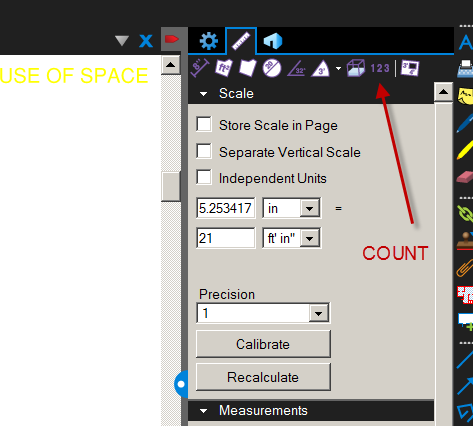


Use the length tool to verify your calibration worked.

**Area Tool** (second icon from left). It’s on the Scale toolbar. Try the Area of Bed 1. I got 102 SF

Hold the shift key down to move the Area tag to a better place.

**Count** (on toolbar)



Check the elements….see result

**Sequences and Actions**

Place polygons w/ numbers or letters for counting

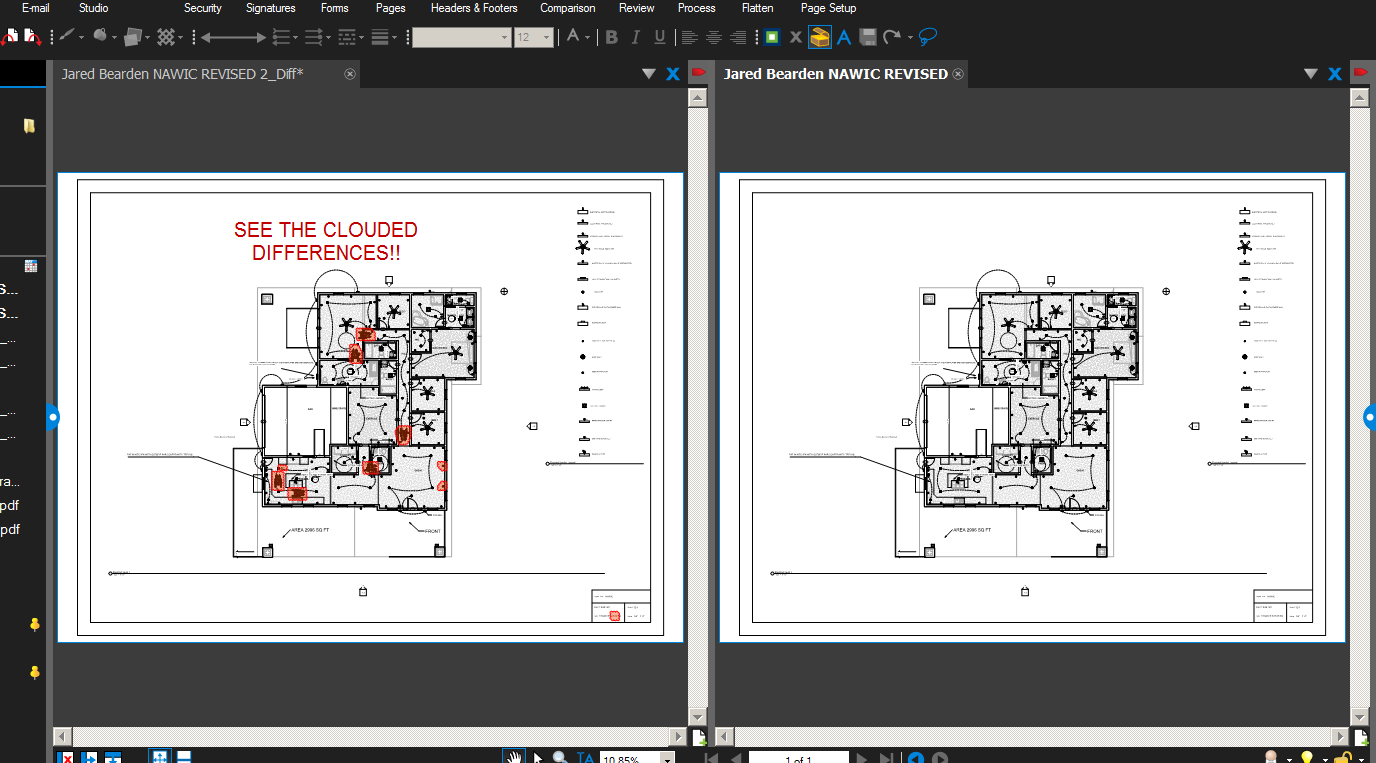
**Comparing Revisions**

Documents….Comparison….Compare Documents

Select file A: Jared Bearden NAWIC REVISED2.pdf

Select File B: Jared Bearden NAWIC REVISED.pdf

OK



Bluebeam clouds differences!!

**Batch Process the differences**

File ….Batch

Compare documents

Open Set A

Open Set B

Bluebeam Tutorials

<https://www.bluebeam.com/us/bluebeam-university/bluebeam-webinars/>