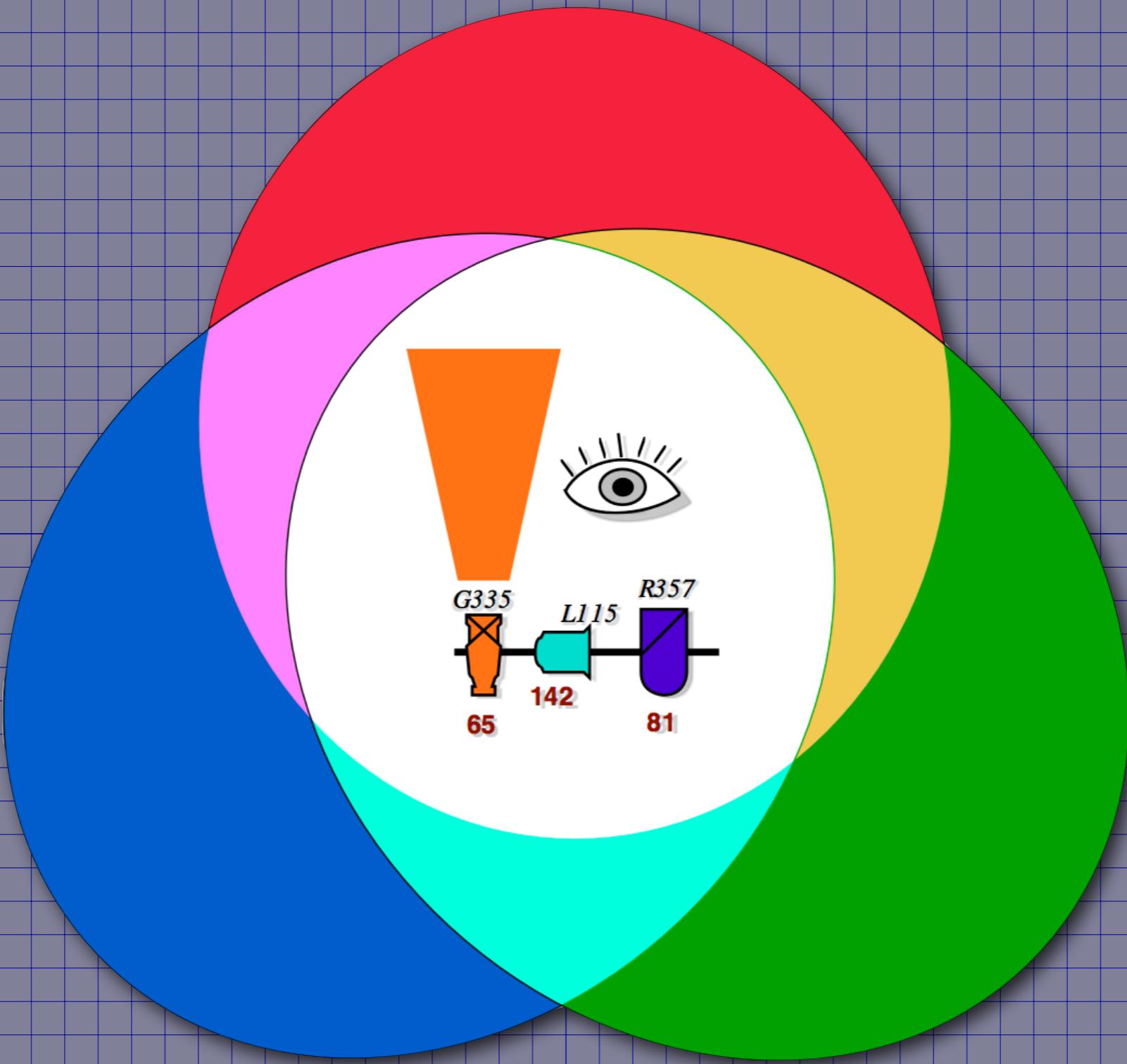


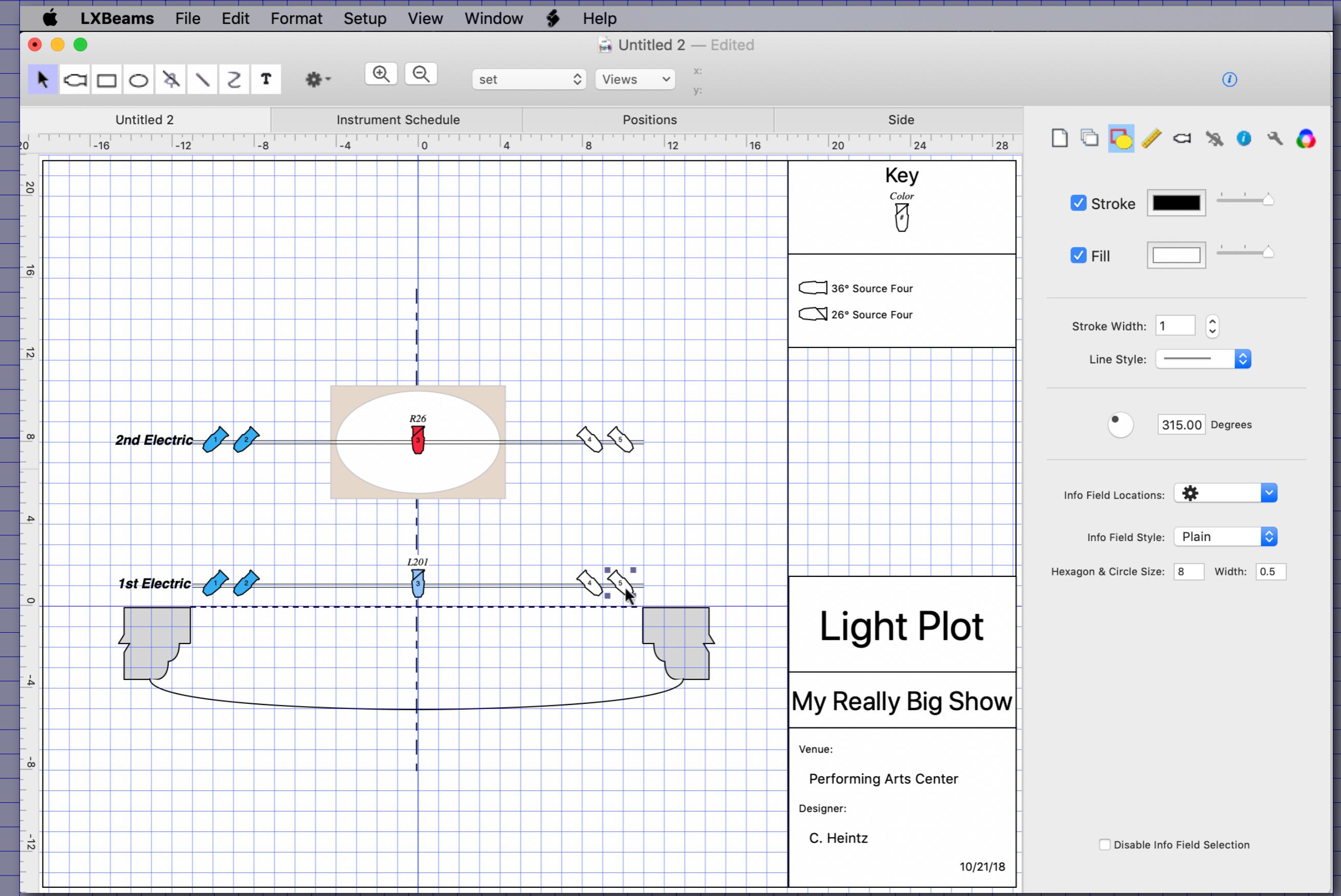
Finishing the Introduction



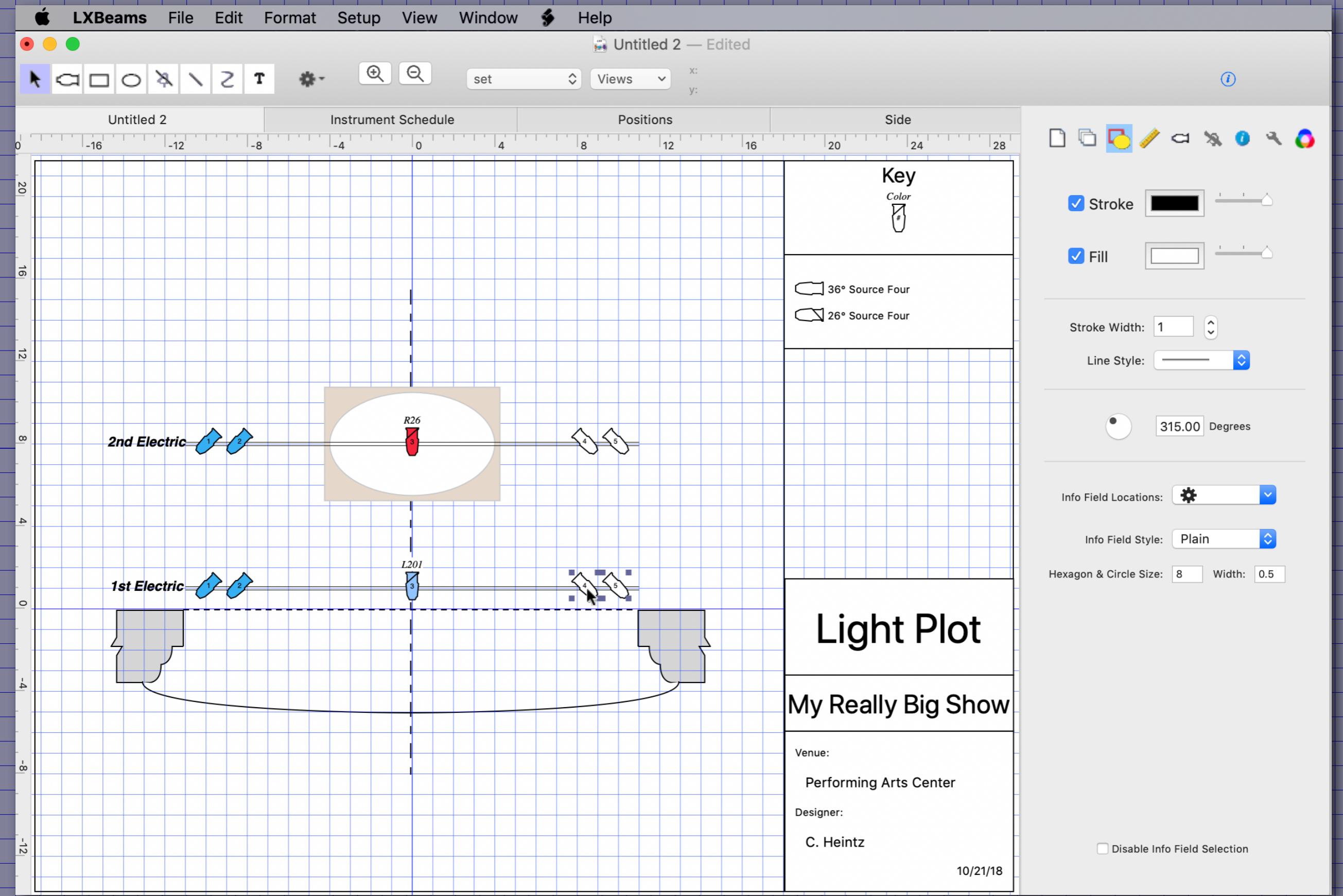
IATSE 728 Workshop 2020

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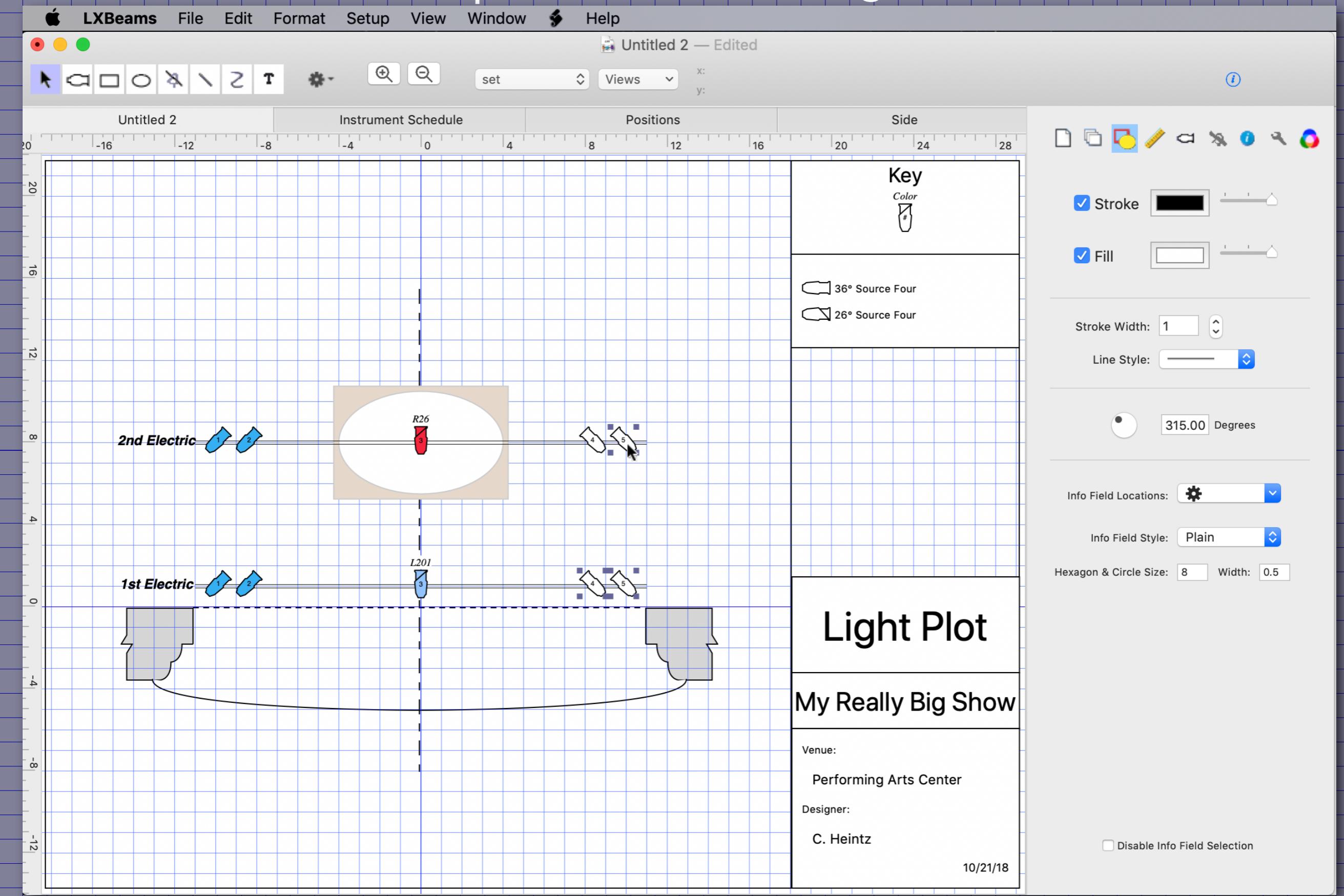
Using the arrow tool, click on the downstage left light to select it.



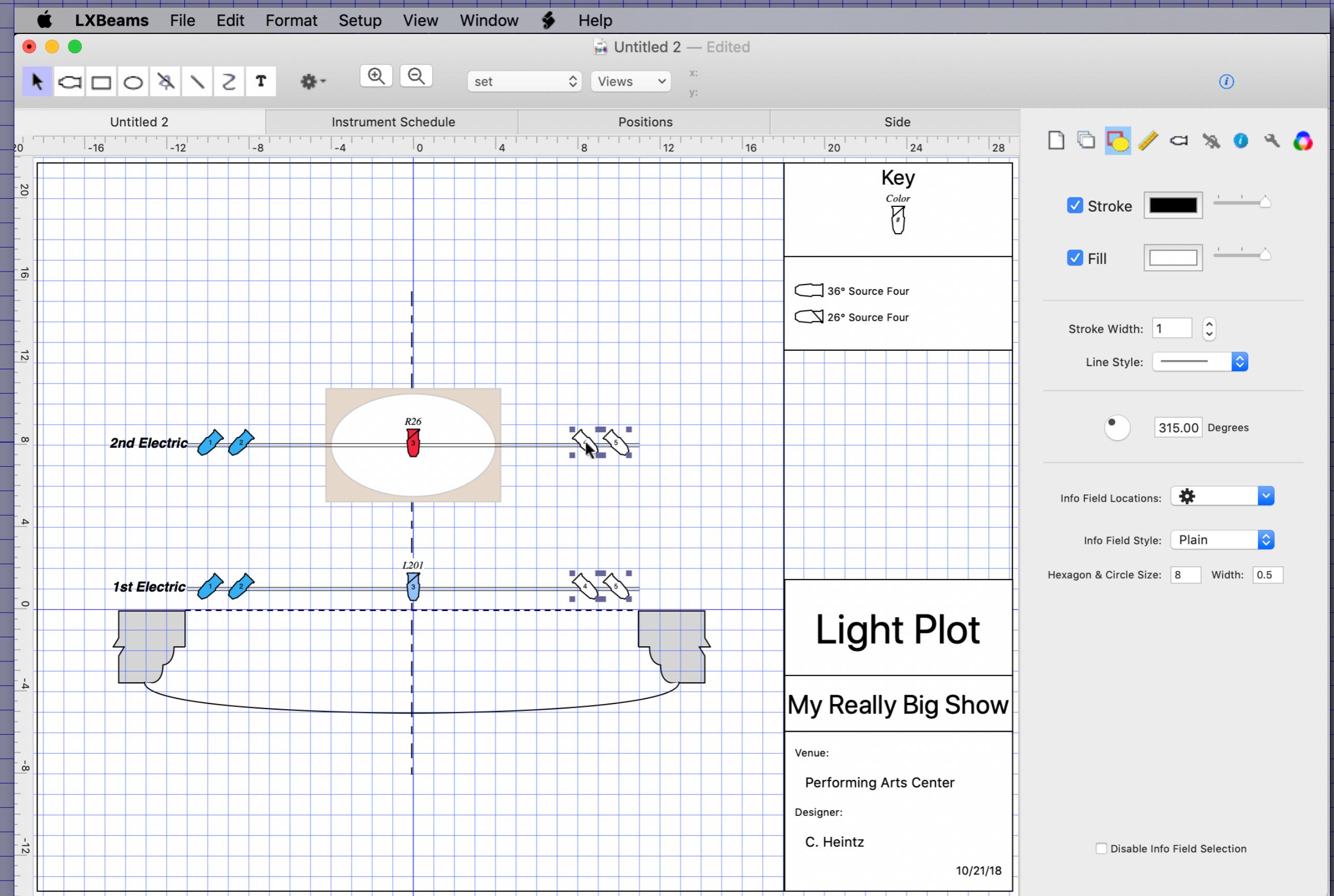
Hold the shift key and click on the next light.



Repeat for the third light.

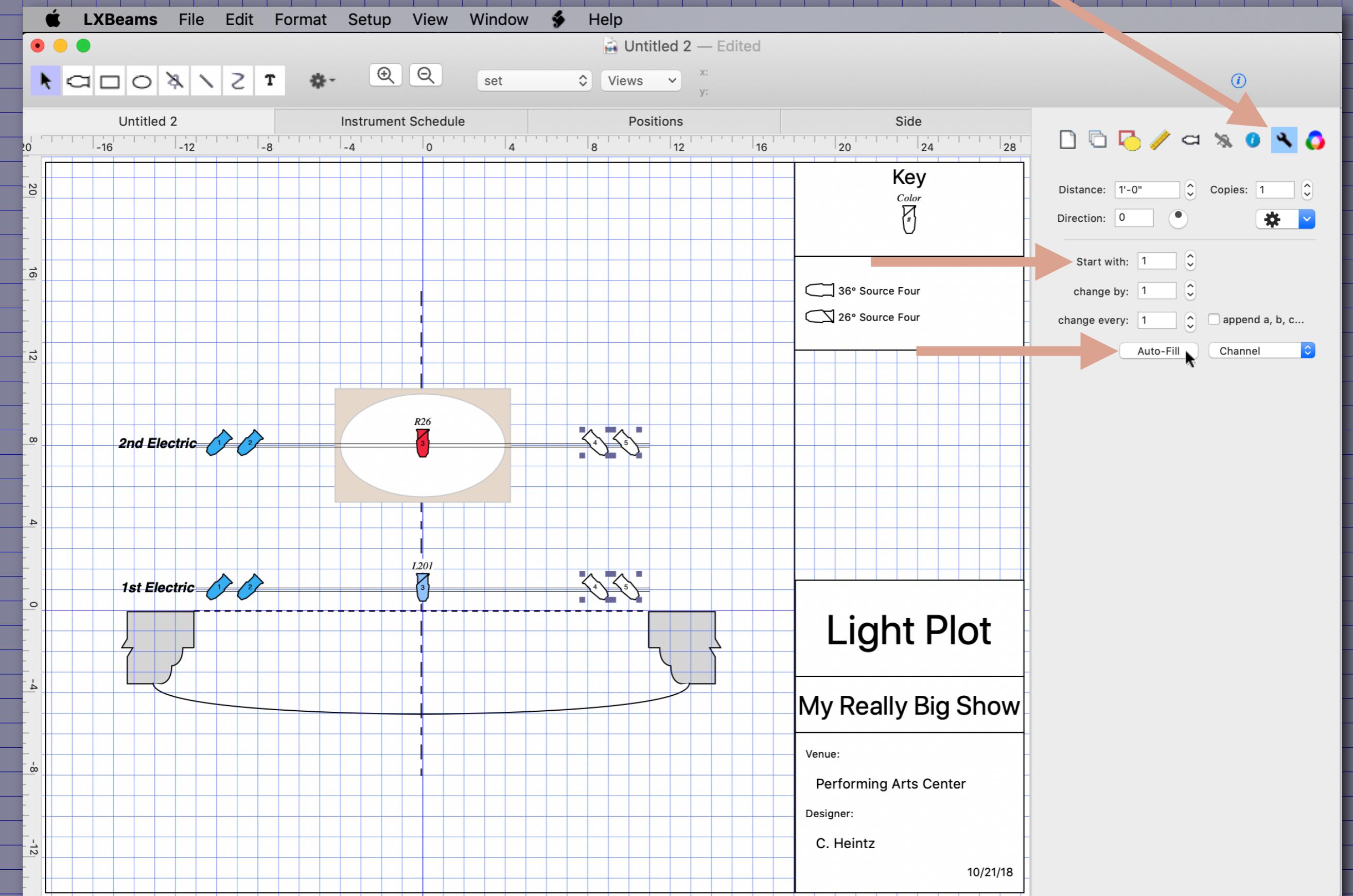


And again for the fourth light.



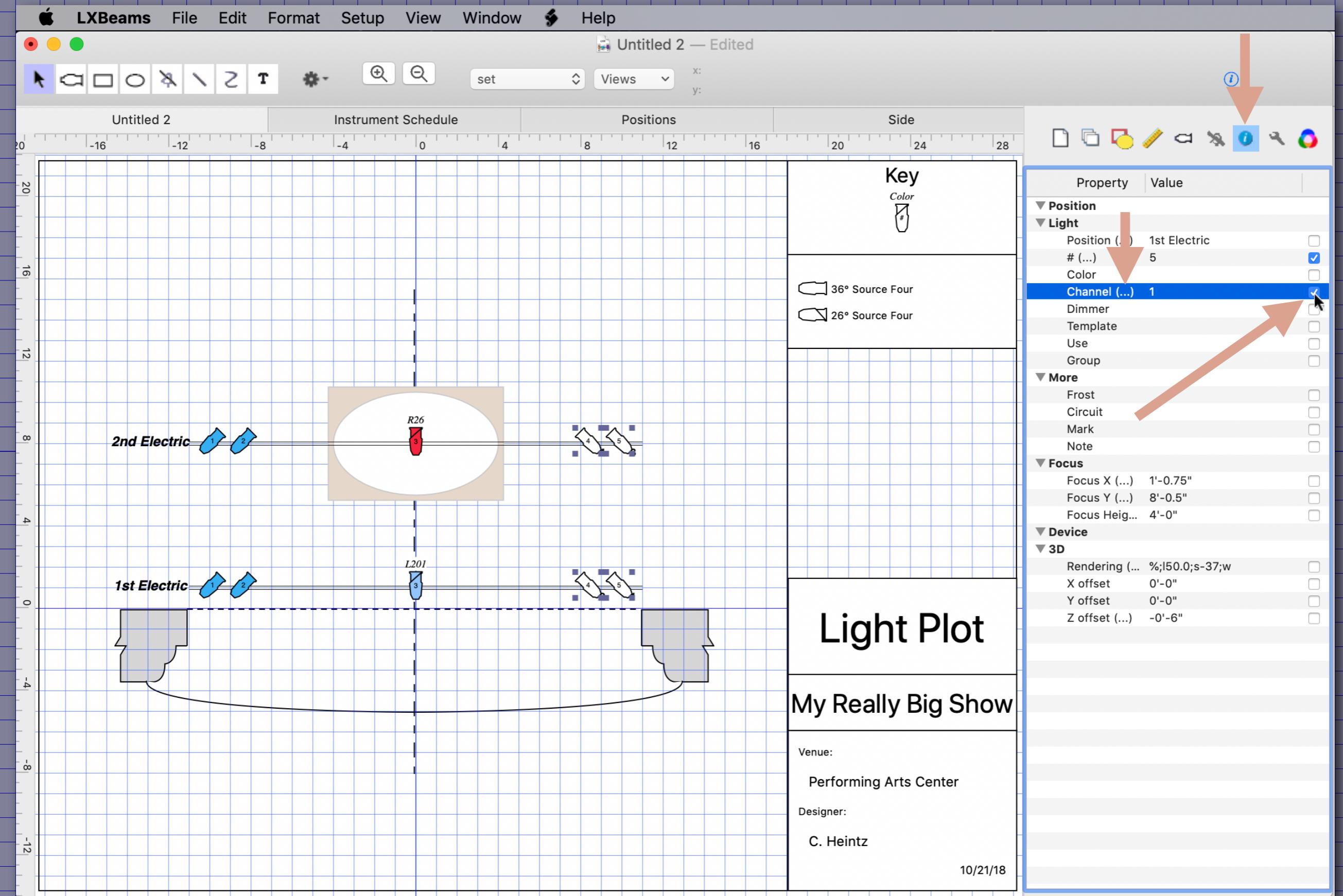
Selection order is important for what's next.

Select the Inspector's tools tab.



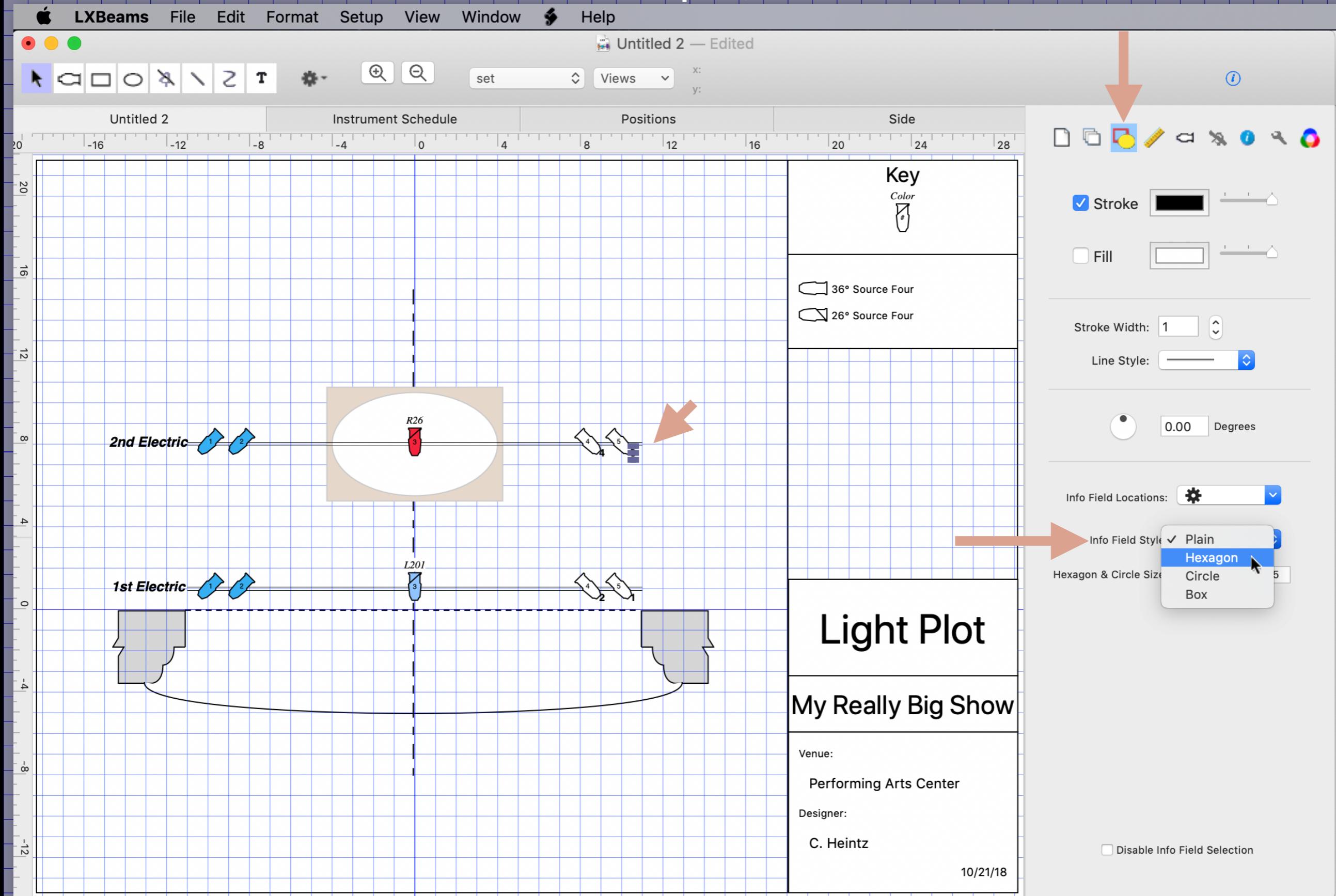
Make sure you are starting with channel one and click Auto-Fill.

Select the Inspector's info tab & click the box for the channel field.



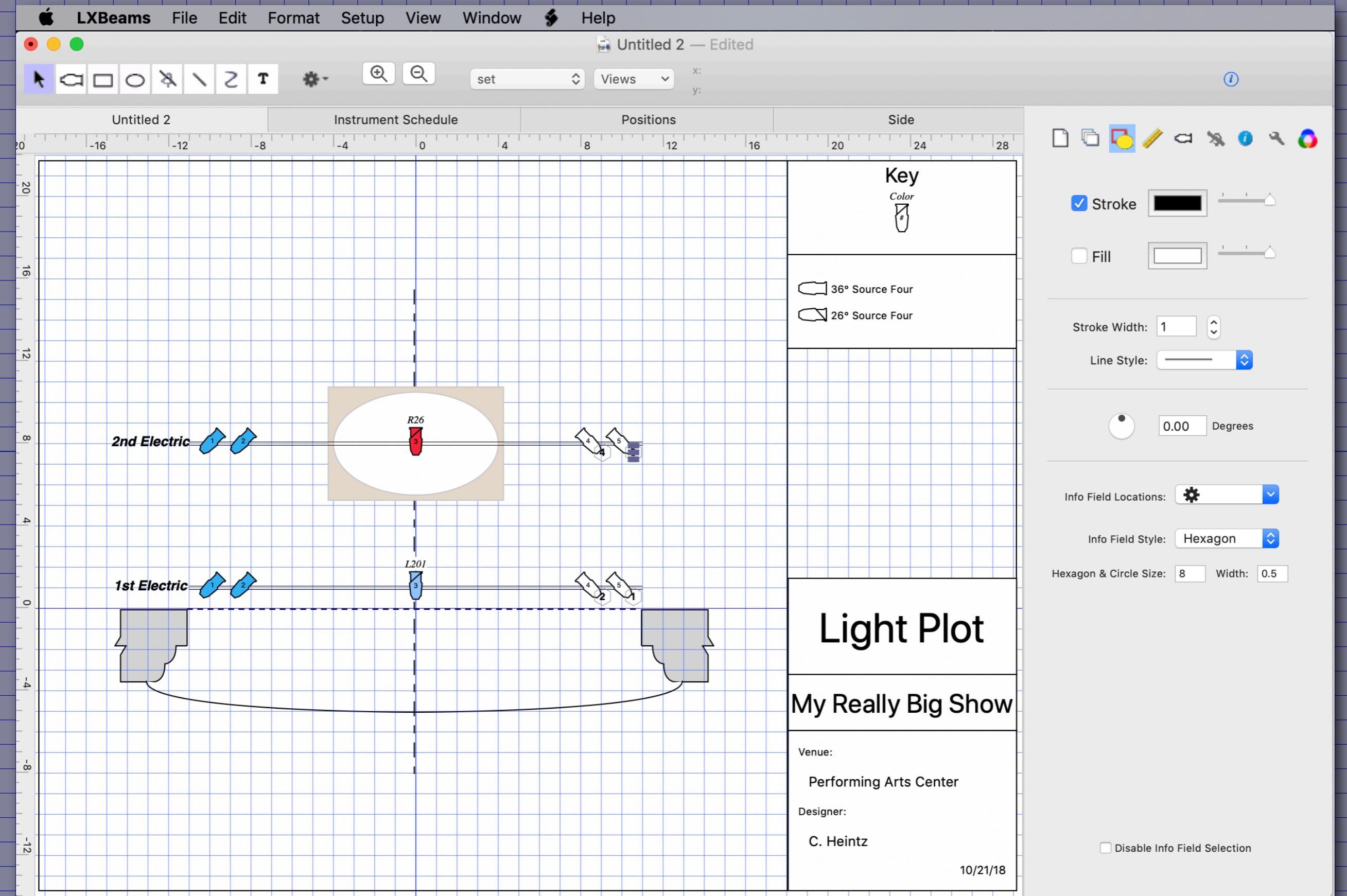
Note that the value column shows an ellipsis meaning there are multiple values.

Select one of the displayed channel fields.



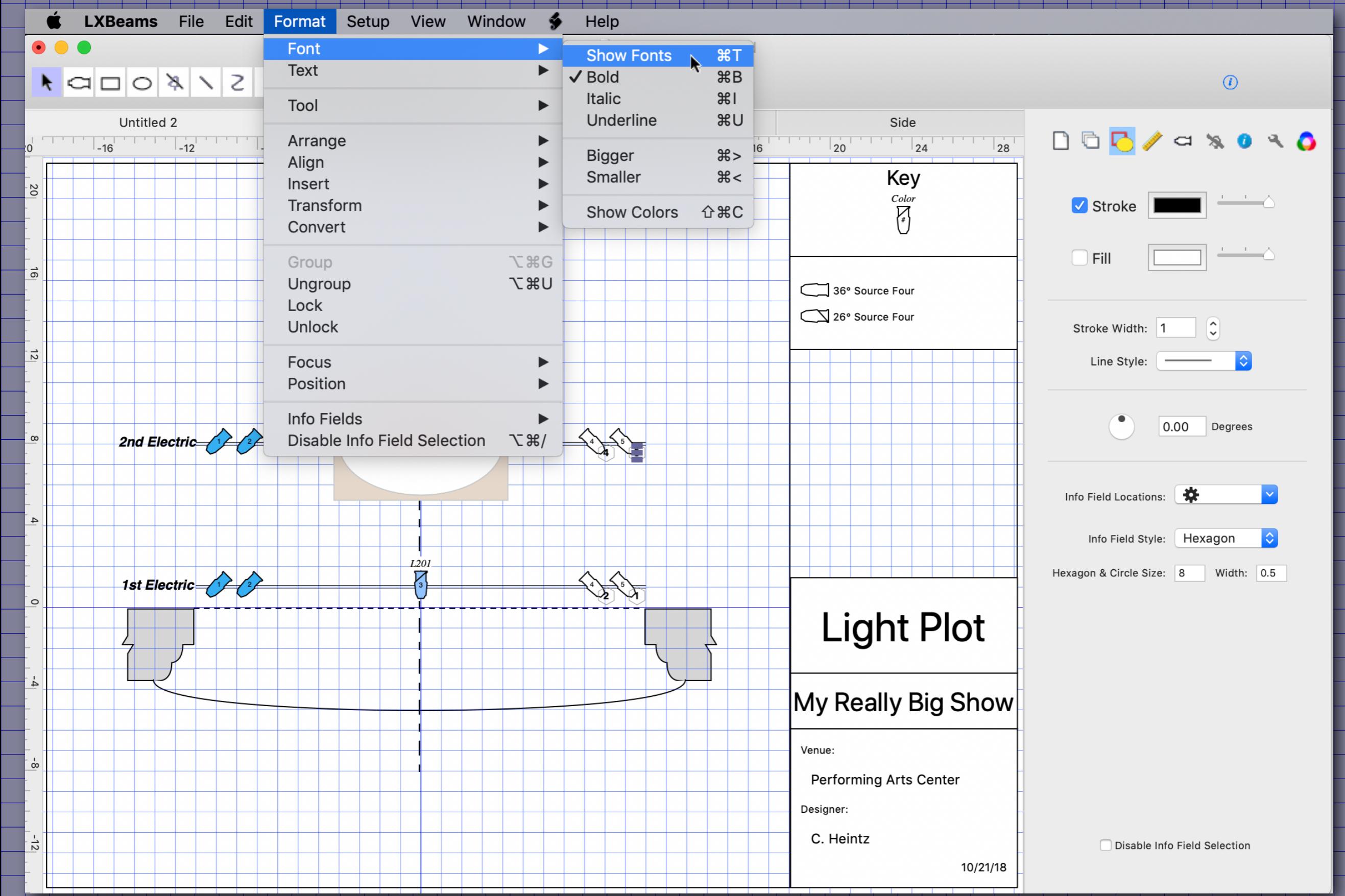
In the Inspector's Drawing tab, choose the Hexagon Info Field Style.

Note that all channel info fields change to display inside hexagons.

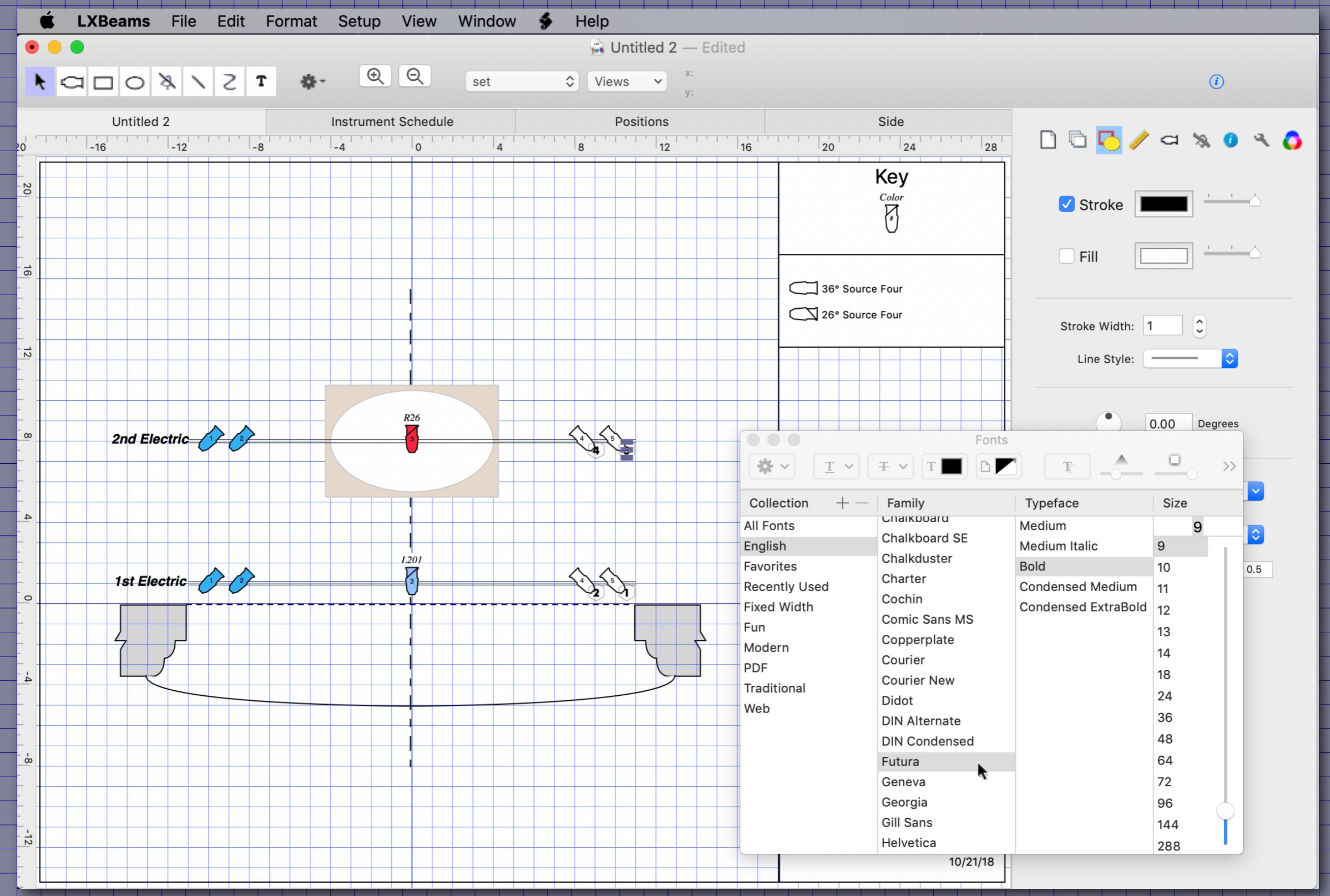


All Info Fields for a given property must have the same style, including font.

Select Format→Font→Show Fonts.

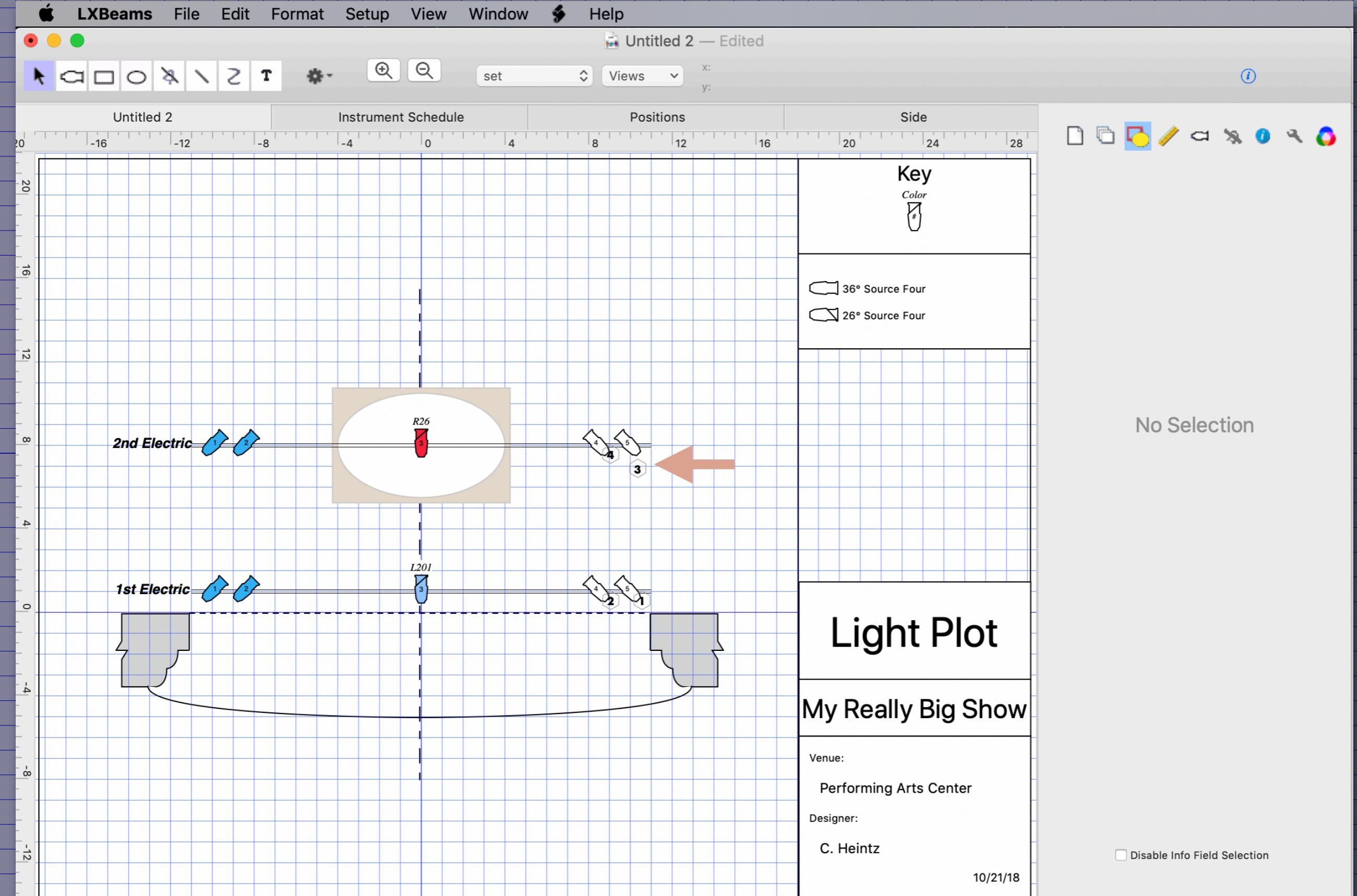


Change the font for the selected Info Field.

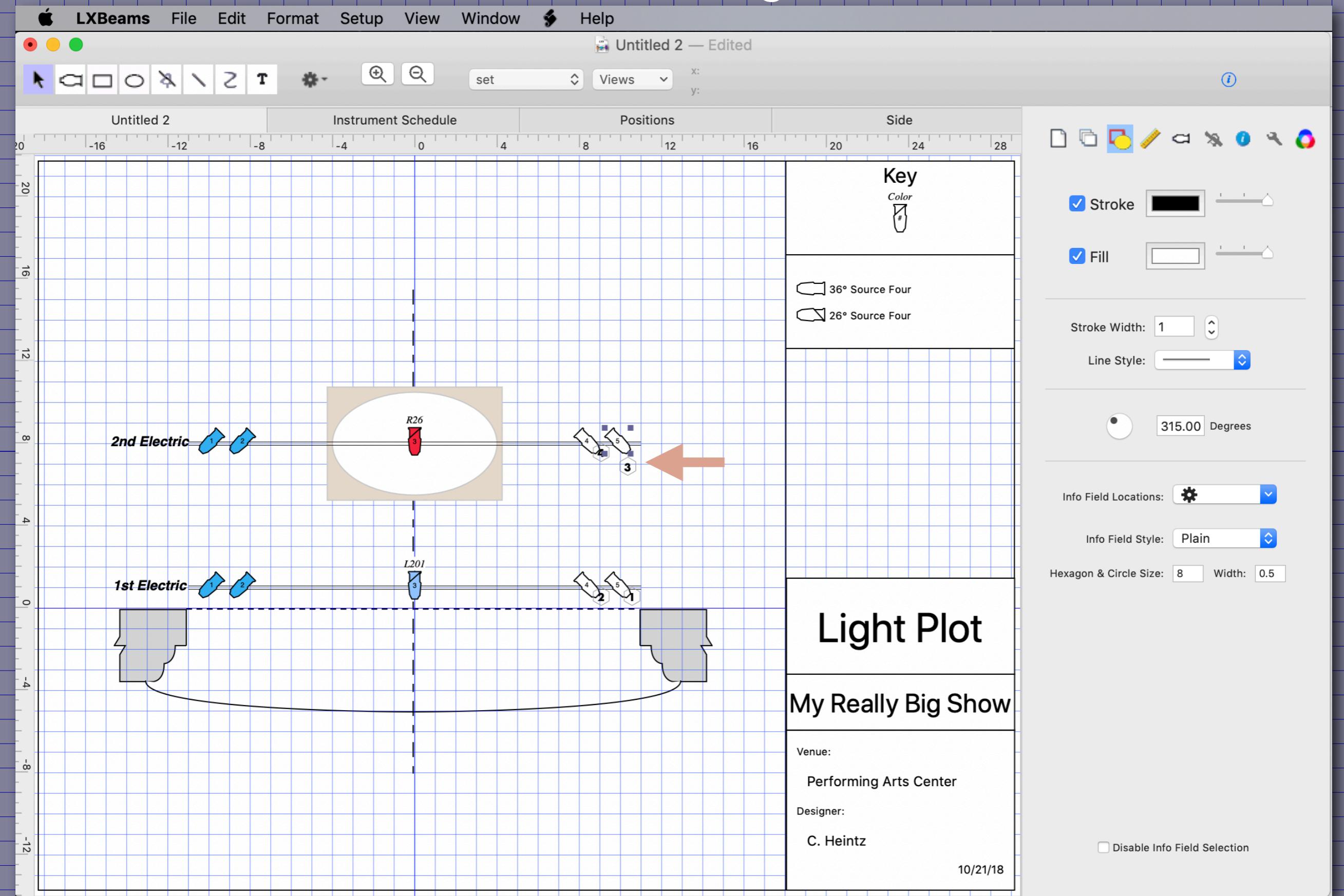


Note that all other channel fields also change.

Position one of the channel fields below the light's symbol.

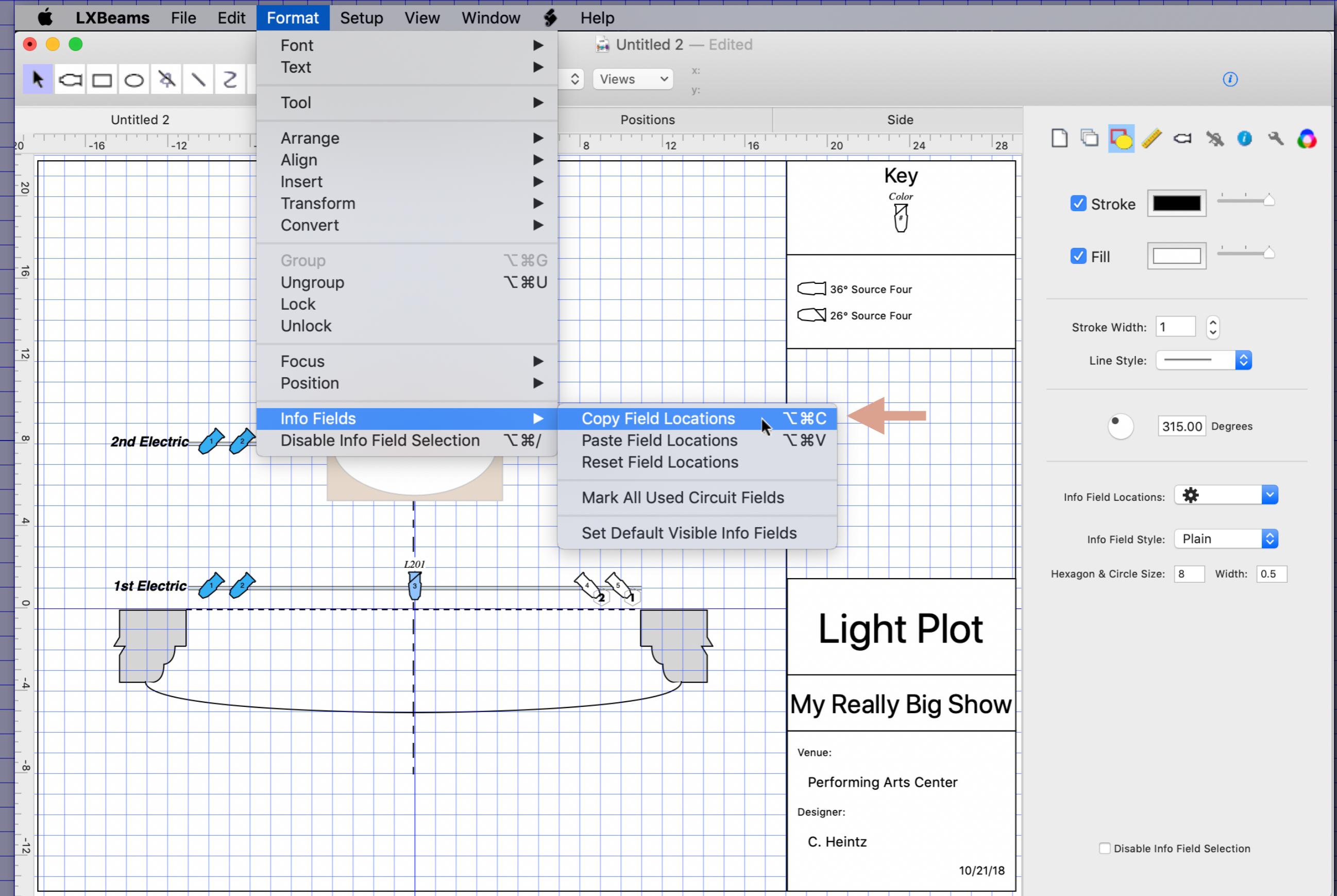


Select that light.



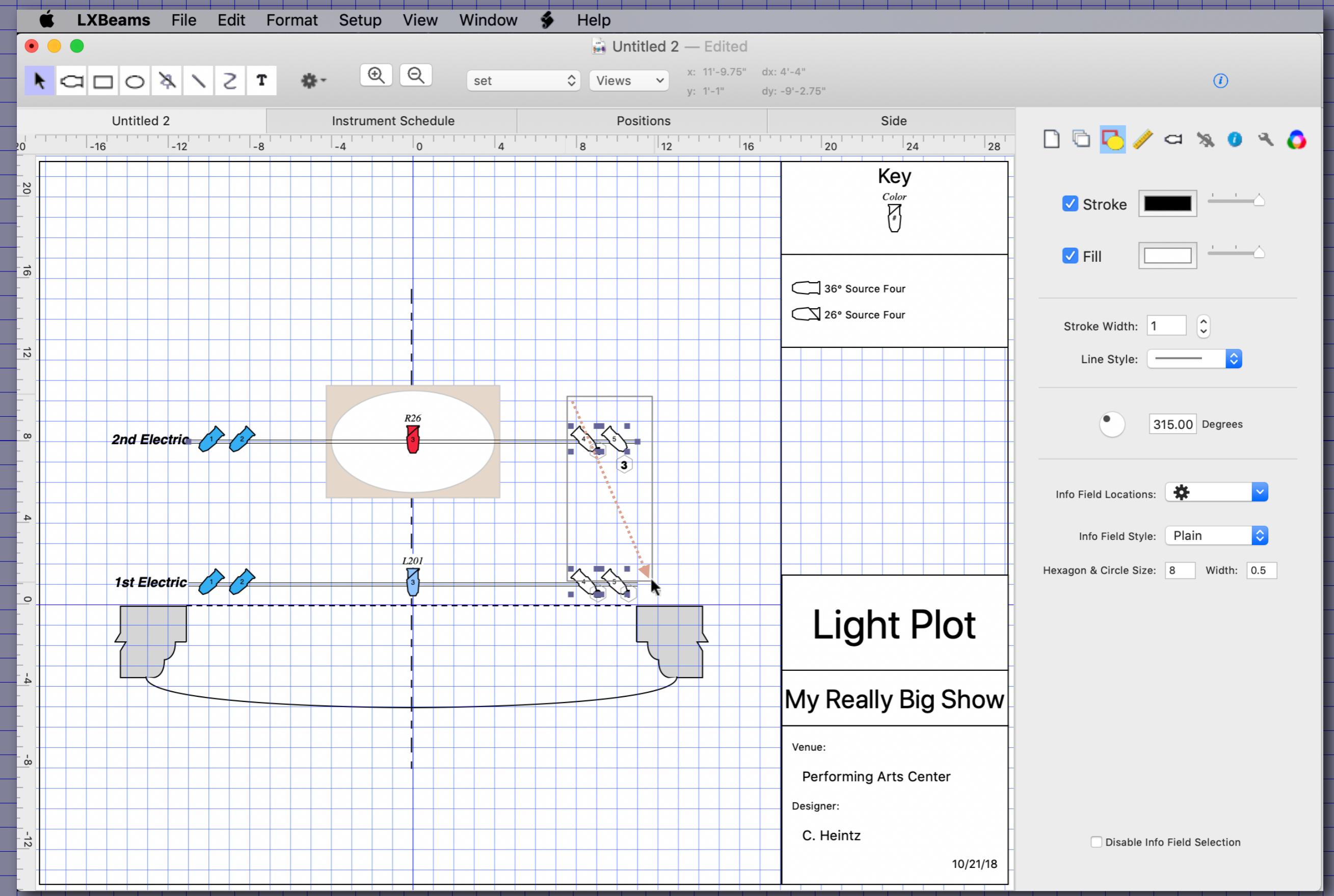
Hint: you can hold the option key and click on an info field to select the object it belongs to.

Choose Format→Info Fields→Copy Field Locations.

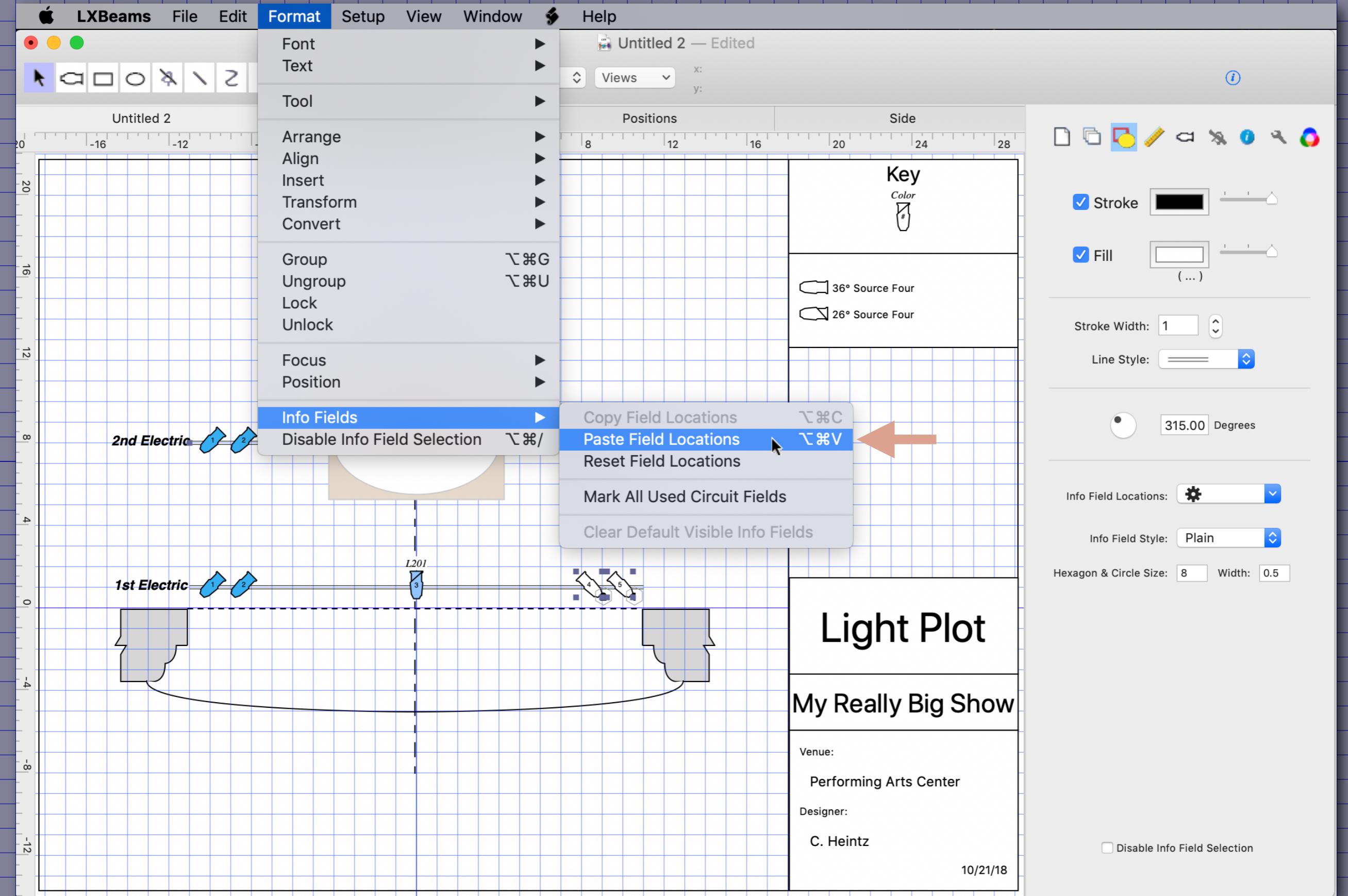


This command is so useful that it has a shortcut (like Copy with the option key added).

Drag the arrow tool to select the four lights.

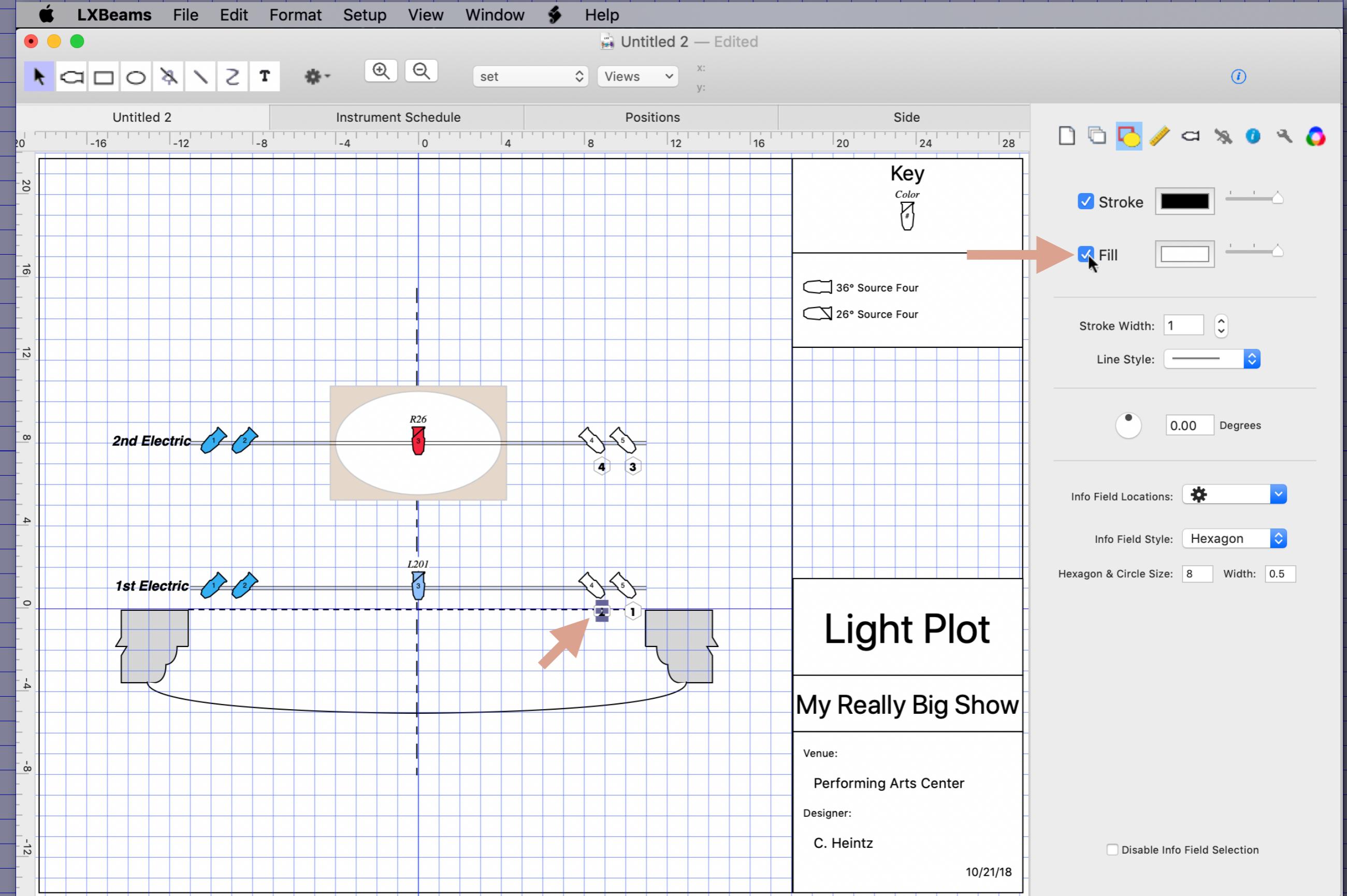


Choose Format→Info Fields→Paste Field Locations.



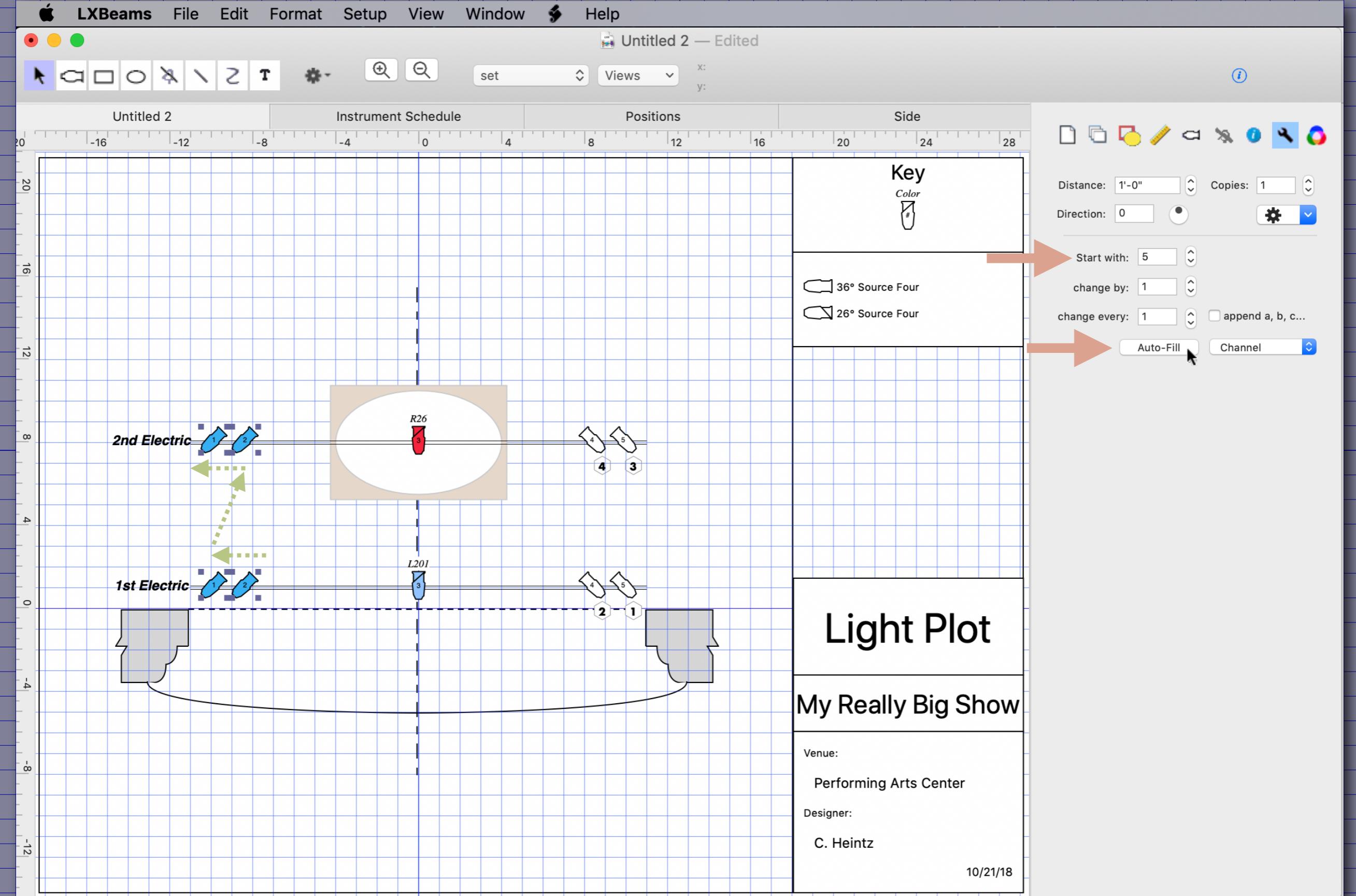
The shortcut is like regular Paste with the option key added.

You might set the fill for the fields showing channels 1 & 2.



Fill is a setting that is individual for each info field.

Repeat the process, selecting lights on the other side.



Note that the starting Auto-Fill channel has advanced.

This time, display both channel and color fields.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

Instrument Schedule

Positions

Side

Key

Color

36° Source Four

26° Source Four

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

10/21/18

Property Value

Position

Light

Position (...) 1st Electric

(...) 2

Color R64

Channel (...) 5

Dimmer

Template

Use

Group

More

Frost

Circuit

Mark

Note

Focus

Focus X (...) -18'-6"

Focus Y (...) 0'-0"

Focus Height 0'-0"

Device

3D

Rendering

X offset 0'-0"

Y offset 0'-0"

Z offset -1'-6"

The screenshot shows the LXBeams software interface. On the left is a stage plot with a grid. It features two sets of blue truss structures labeled '1st Electric' and '2nd Electric'. A central white circle is labeled 'R26'. A blue truss structure labeled 'L201' is positioned below it. The plot includes a key for light fixtures and a legend for colors. To the right is a 'Properties' panel titled 'Light' with sections for Position, Light, More, Focus, Device, and 3D. A red arrow points to the 'Color' field, which is set to 'R64'. Another red arrow points to the 'Channel' field, which is set to '5'. The panel also lists other properties like 'Dimmer', 'Template', and 'Focus' coordinates.

Position the fields of one of the lights.

LXBeams File Edit Format Setup View Help

Untitled 2 — Edited

Instrument Schedule

Positions

Side

Key

Color

36° Source Four

26° Source Four

Property Value

Position

Light

- Position 2nd Electric
- # 1
- Color R64
- Channel 8
- Dimmer
- Template
- Use
- Group

More

- Frost
- Circuit
- Mark
- Note

Focus

- Focus X -20'-0"
- Focus Y 7'-0"
- Focus Height 0'-0"

Device

3D

- Rendering
- X offset 0'-0"
- Y offset 0'-0"
- Z offset -1'-6"

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

10/21/18

Use Format->Info Fields->Copy Field Locations (cmd-option-c).

Select the four lights and paste the locations.

Untitled 2 — Edited

Instrument Schedule

Positions

Side

Key

Color

36° Source Four

26° Source Four

Property Value

Position

Name 2nd Electric

Height 19'-5.5"

Spacing 0'-6"

Light

Position (...) 2nd Electric

(...) 1

Color R64

Channel (...) 8

Dimmer

Template

Use

Group

More

Frost

Circuit

Mark

Note

Focus

Focus X (...) -20'-0"

Focus Y (...) 7'-0"

Focus Height 0'-0"

Device

3D

Rendering

X offset 0'-0"

Y offset 0'-0"

Z offset -1'-6"

Map Start X

Map Start Y

Map Start Z

Map End X

Map End Y

Map End Z

Light Plot

My Really Big Show

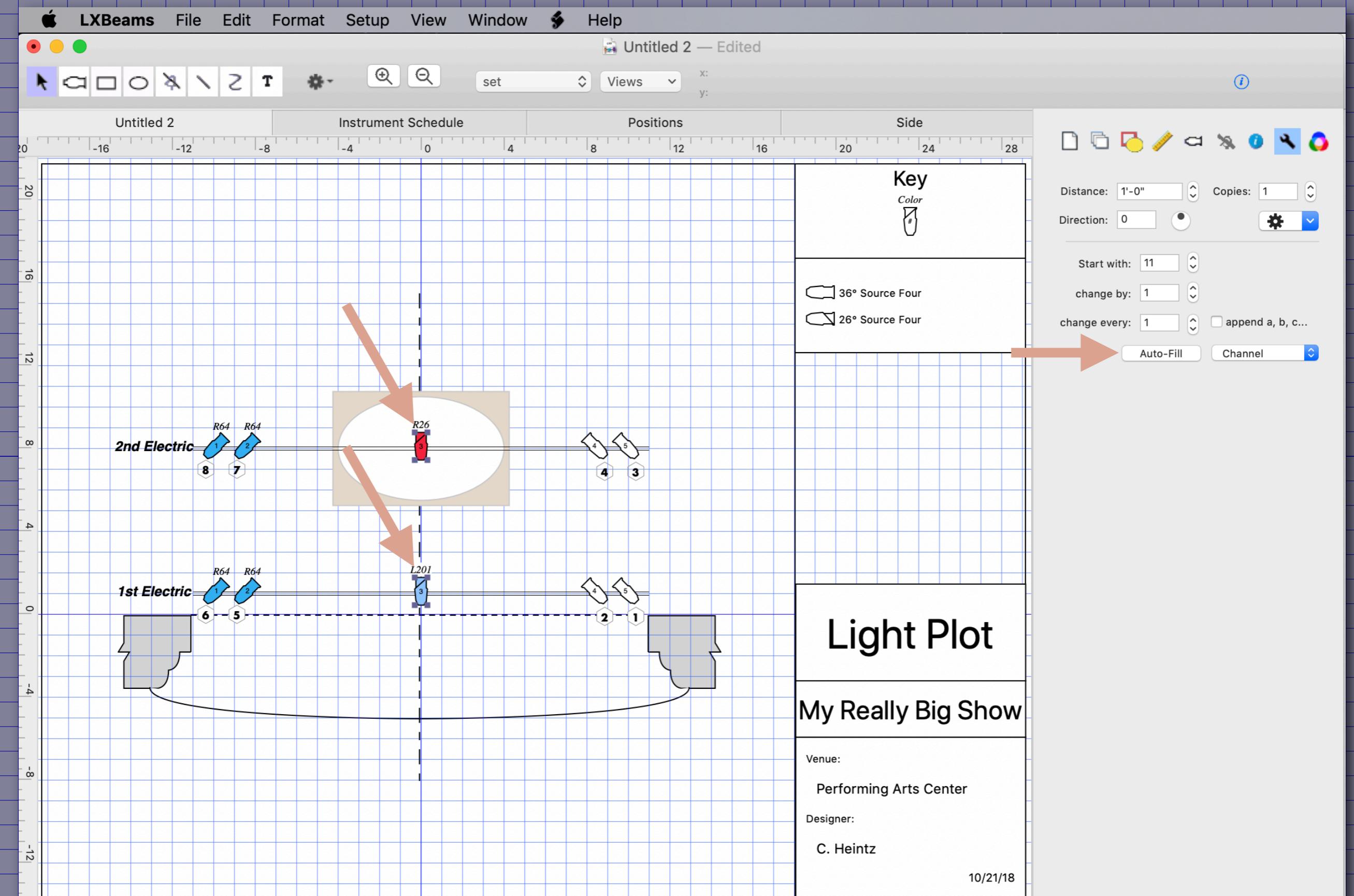
Venue:
Performing Arts Center

Designer:
C. Heintz

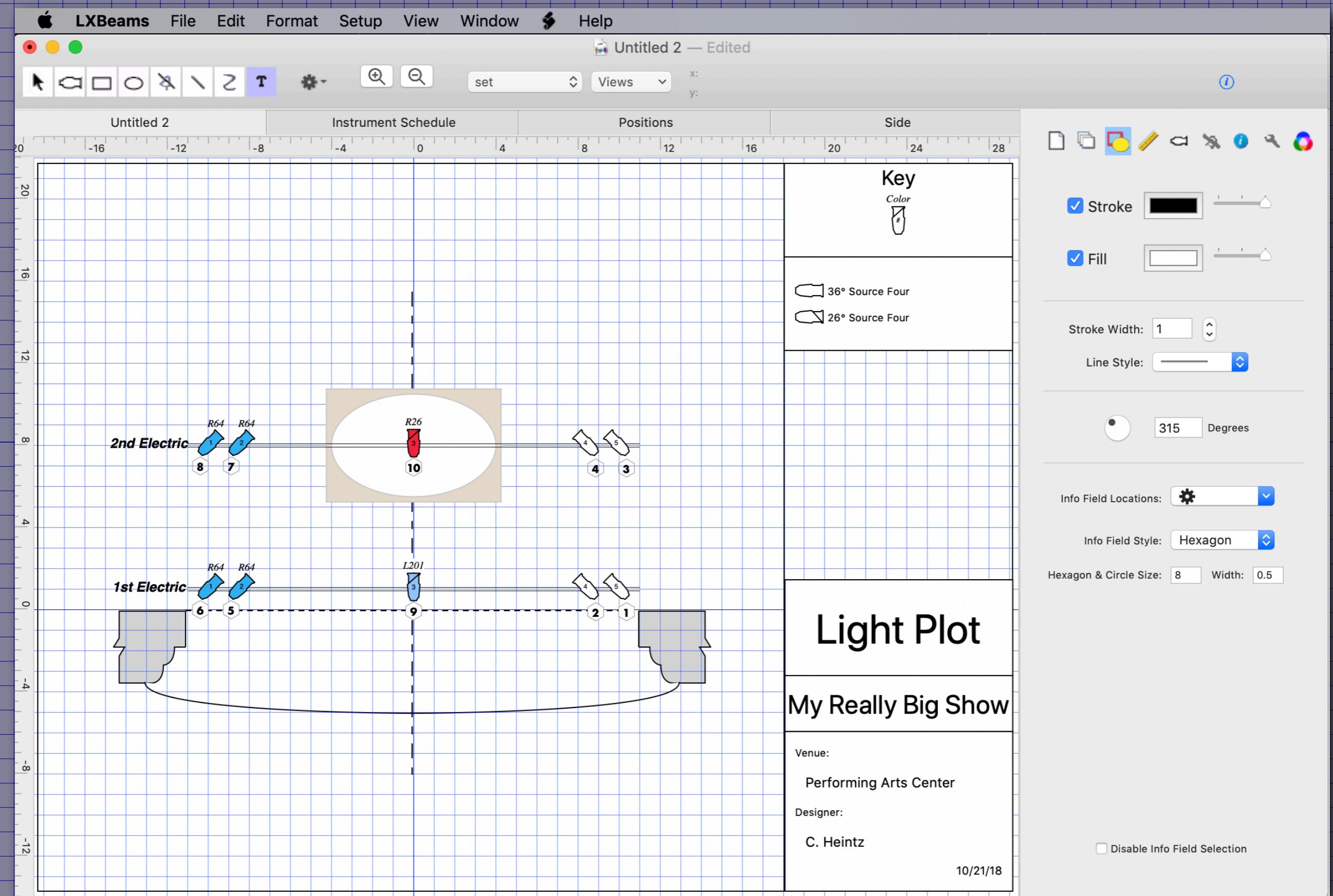
10/21/18

Use Format->Info Fields->Paste Field Locations (cmd-option-v).

Add fill for the DS two lights and Auto-Fill the last two in the center.

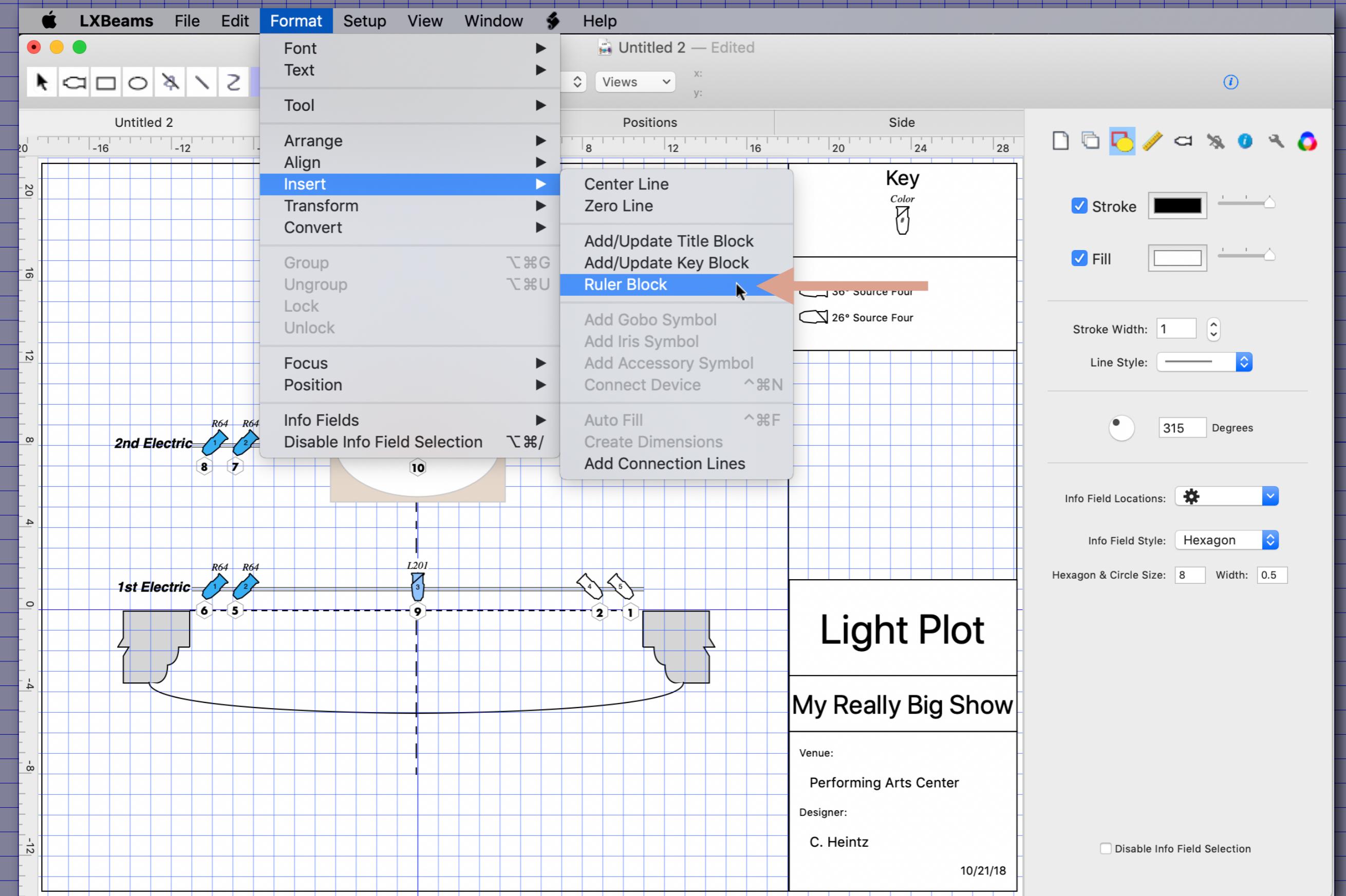


(with channel fields filled)

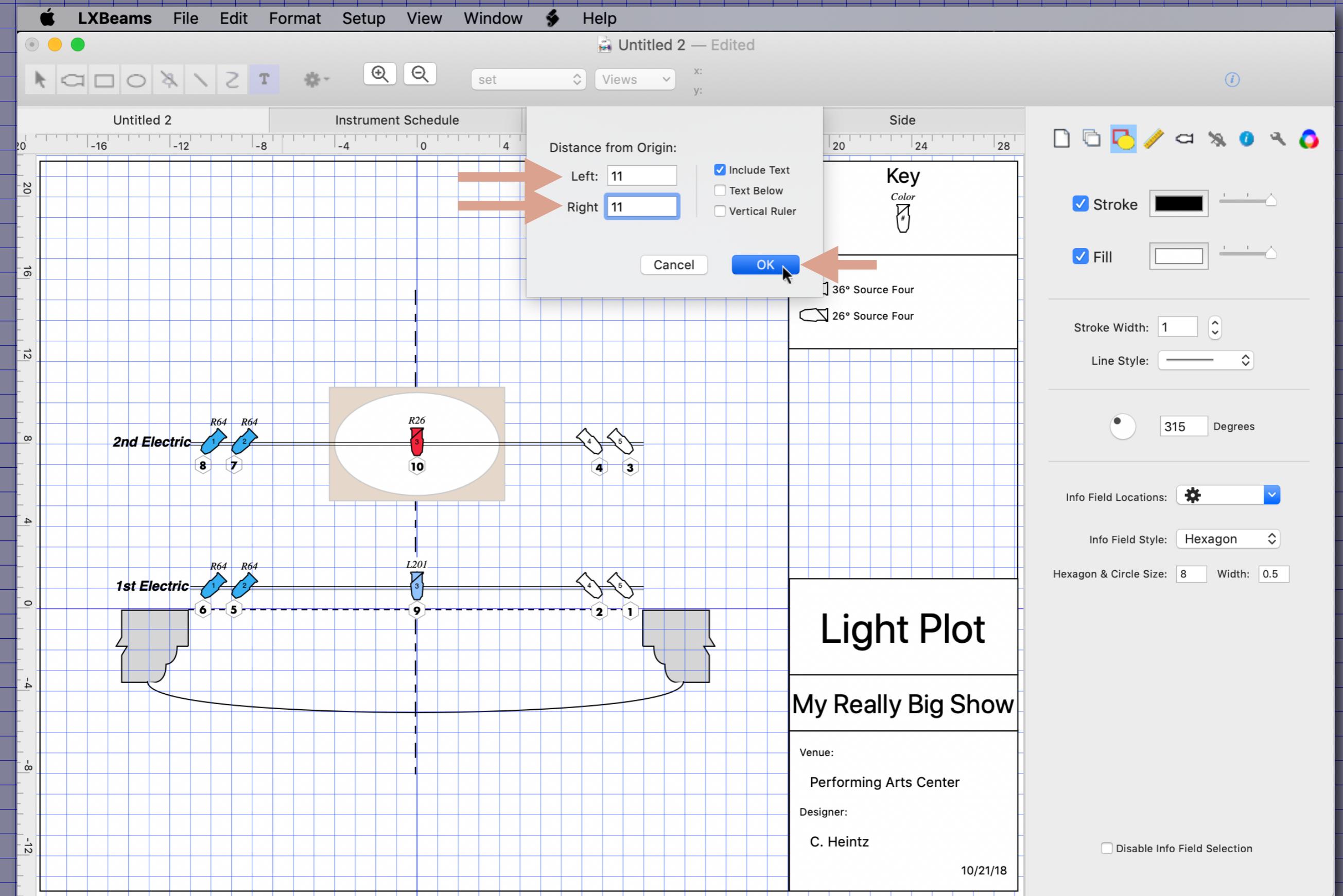


Hint: Selecting a light and pressing uppercase "C" toggles the display of the channel field.

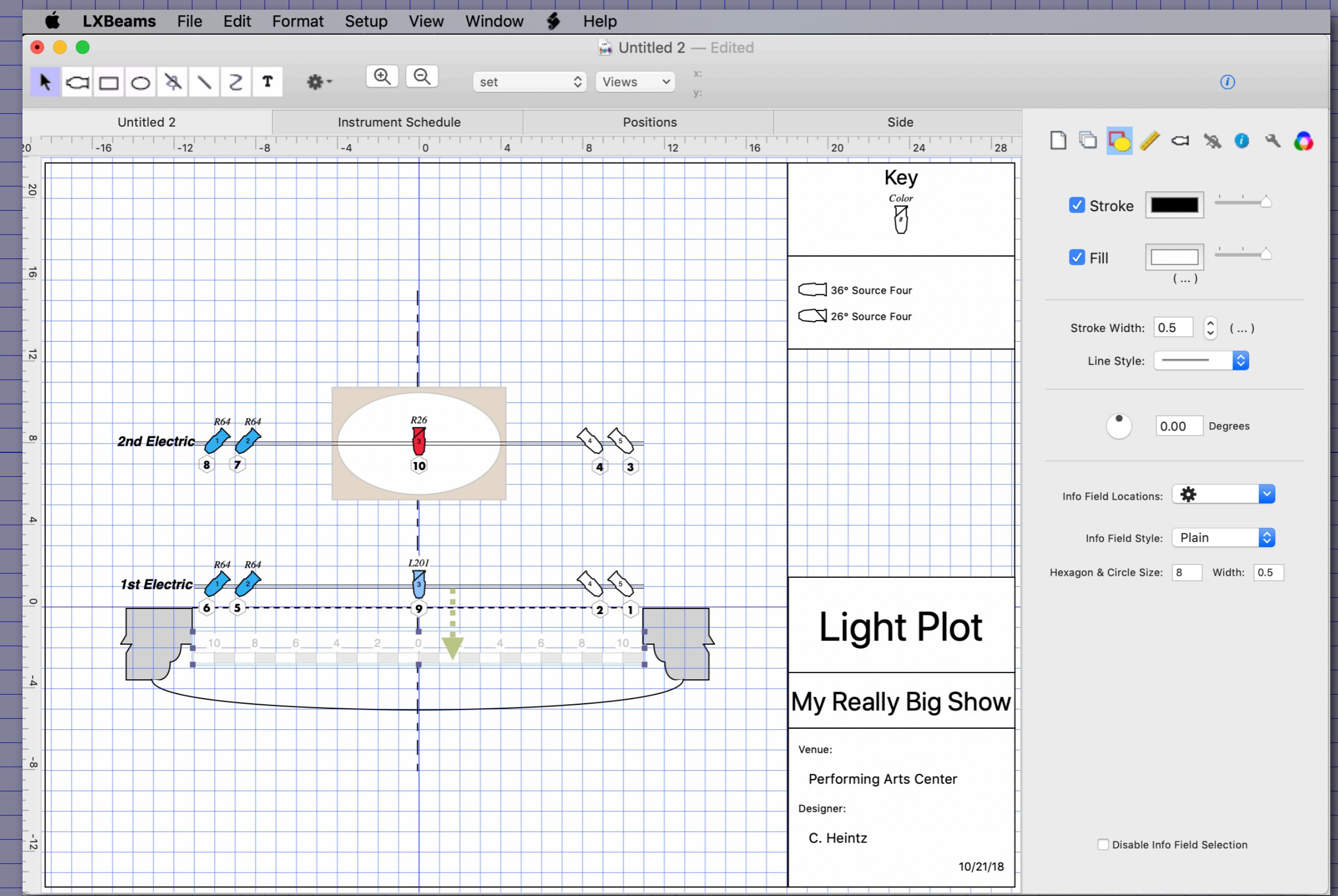
Choose Format→Insert→Ruler Block



Set the distances to be 11 and click OK.

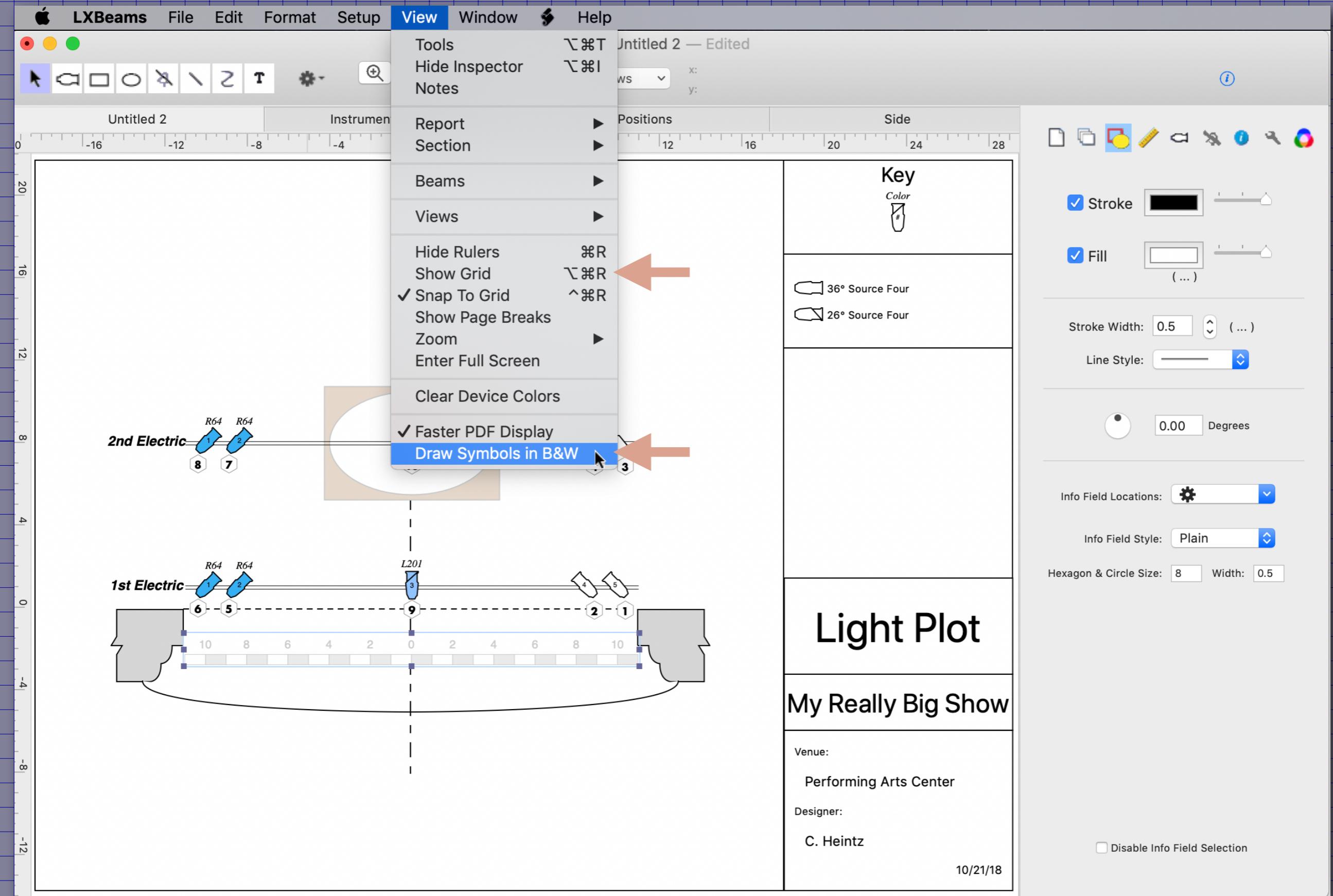


Position the ruler block.



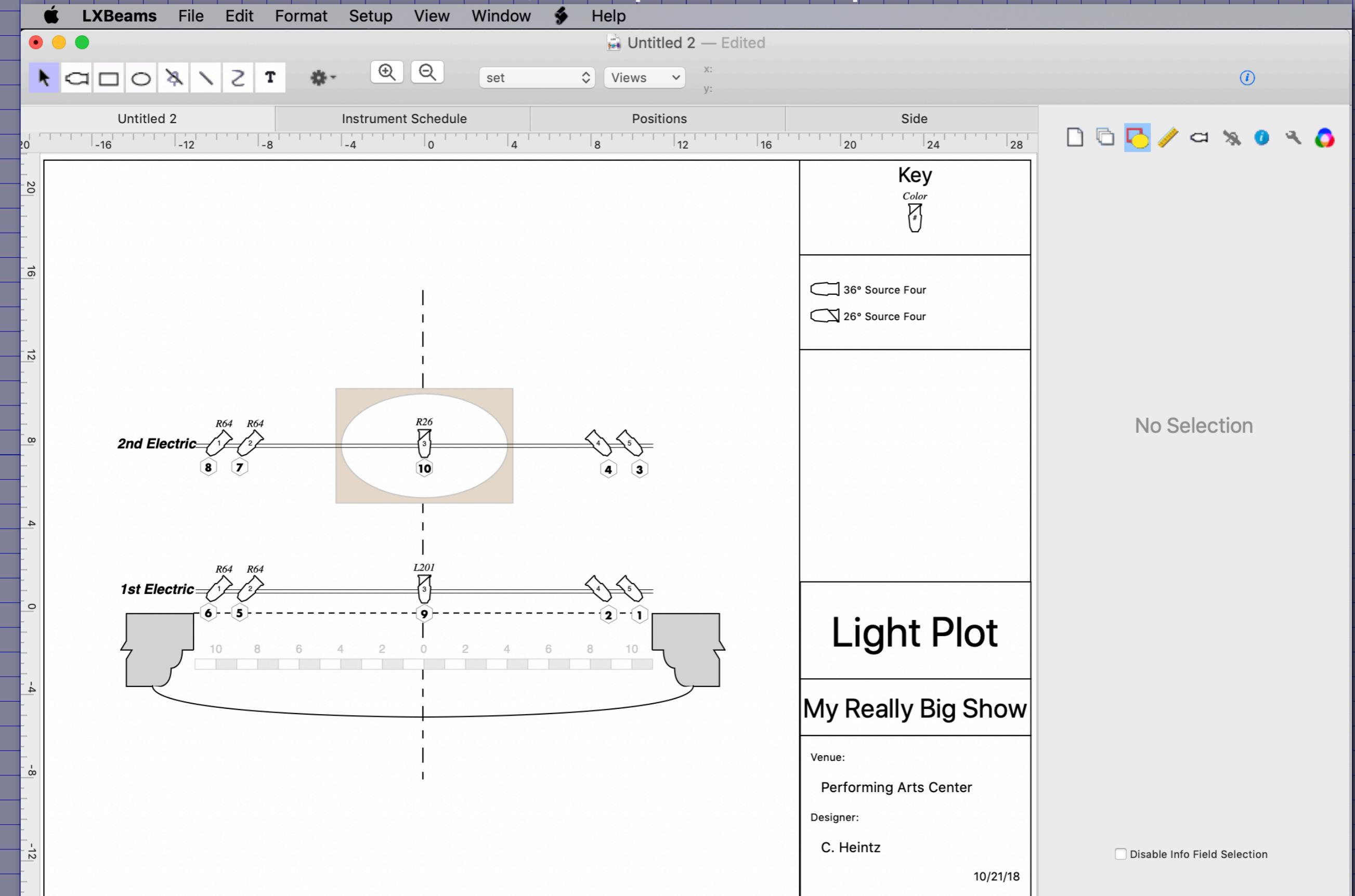
Ruler blocks are just groups of objects like key and title blocks.

Turn off the grid and also choose View→Draw Symbols in B&W.

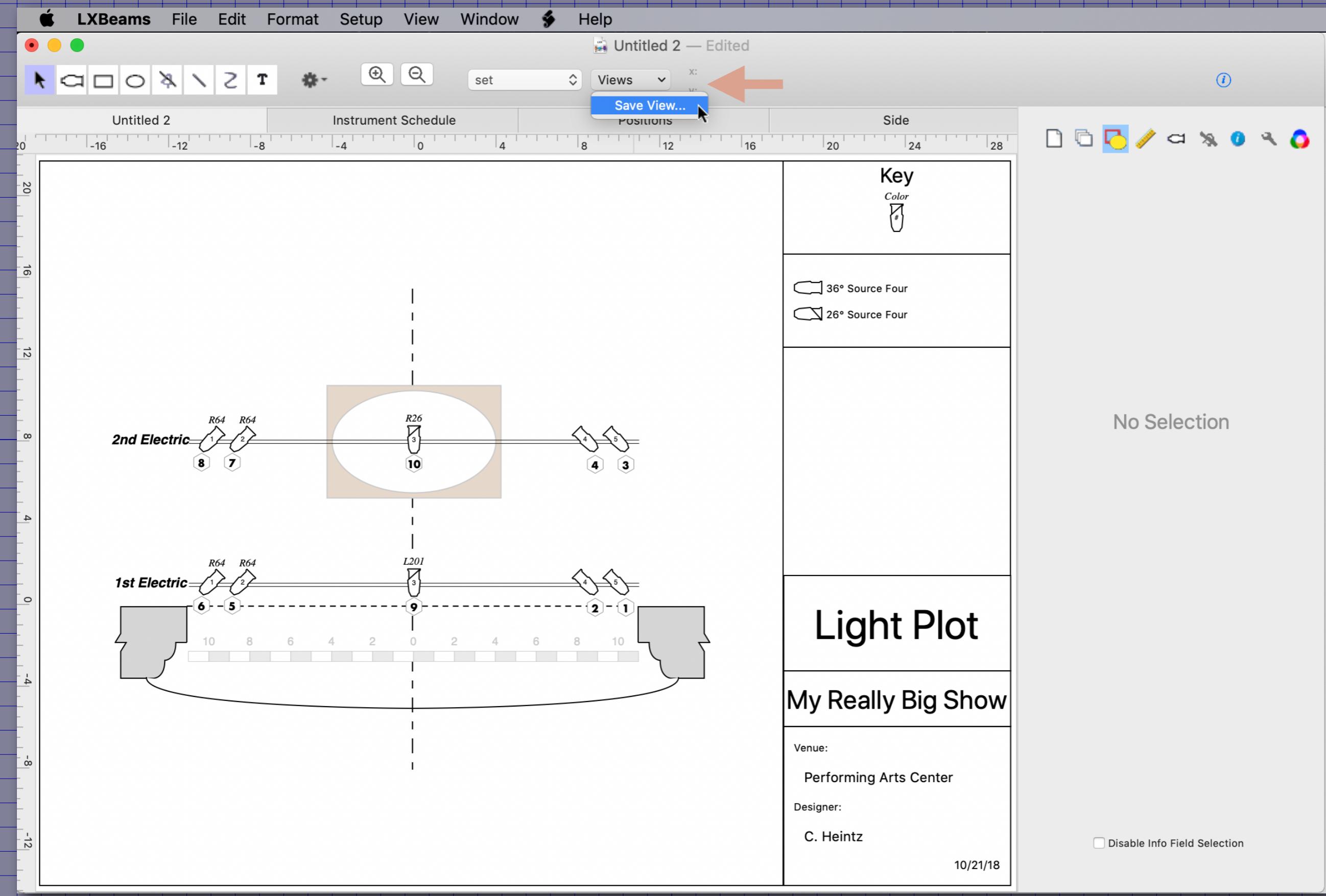


Draw Symbols in B&W preserves the stroke/fill but does not show it.

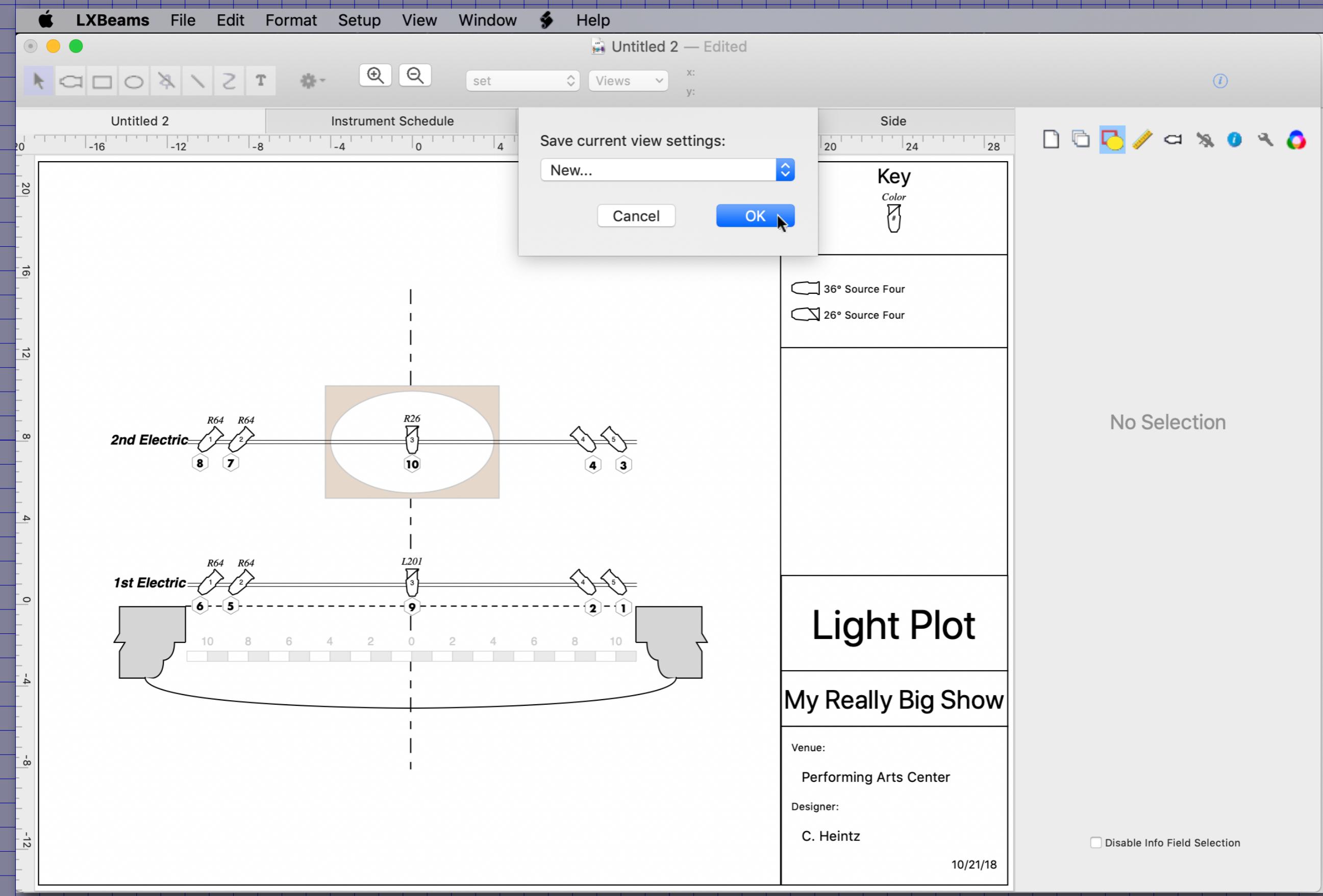
Ready for print or export.



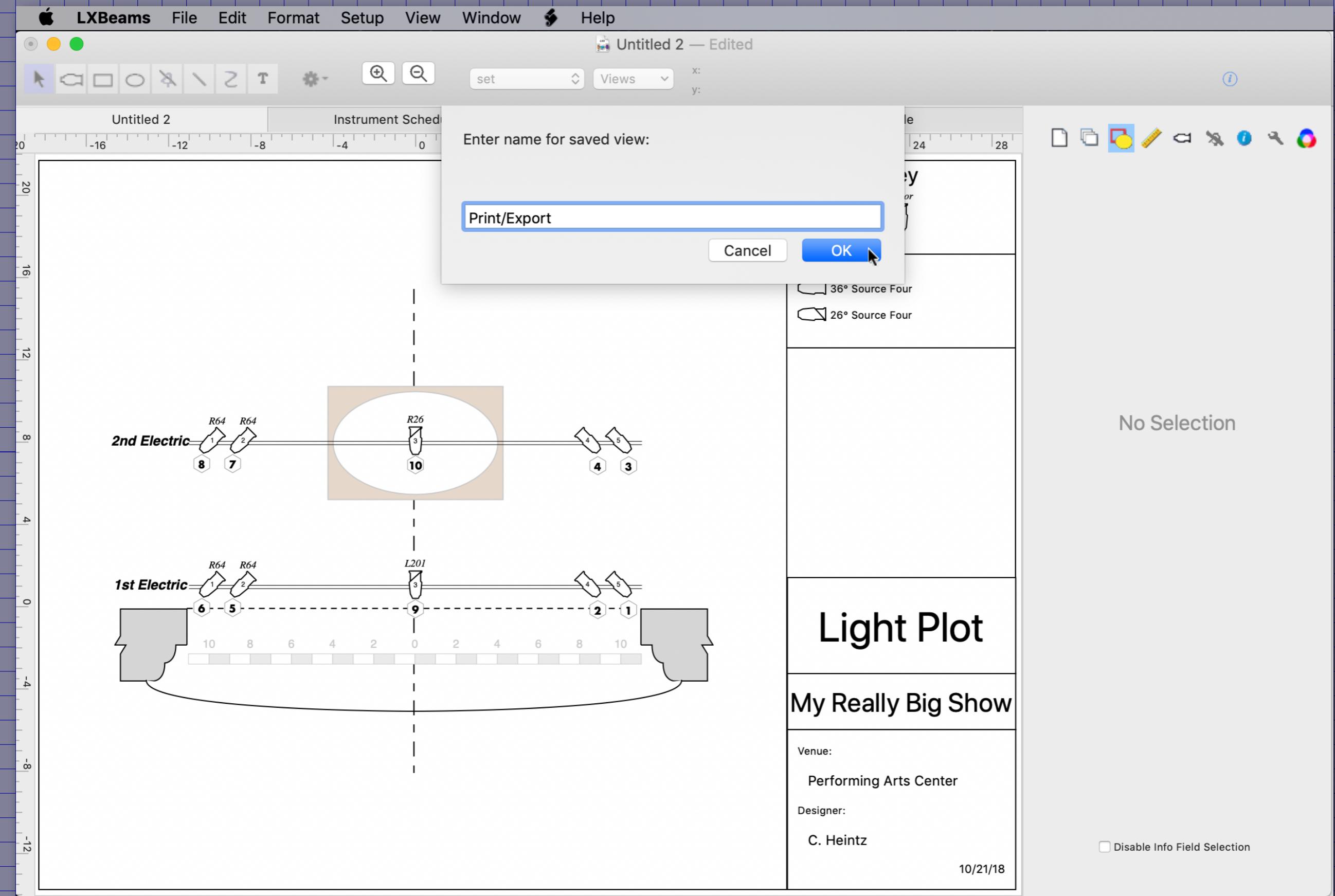
In the toolbar, select Save View from the popup menu.



Click OK.

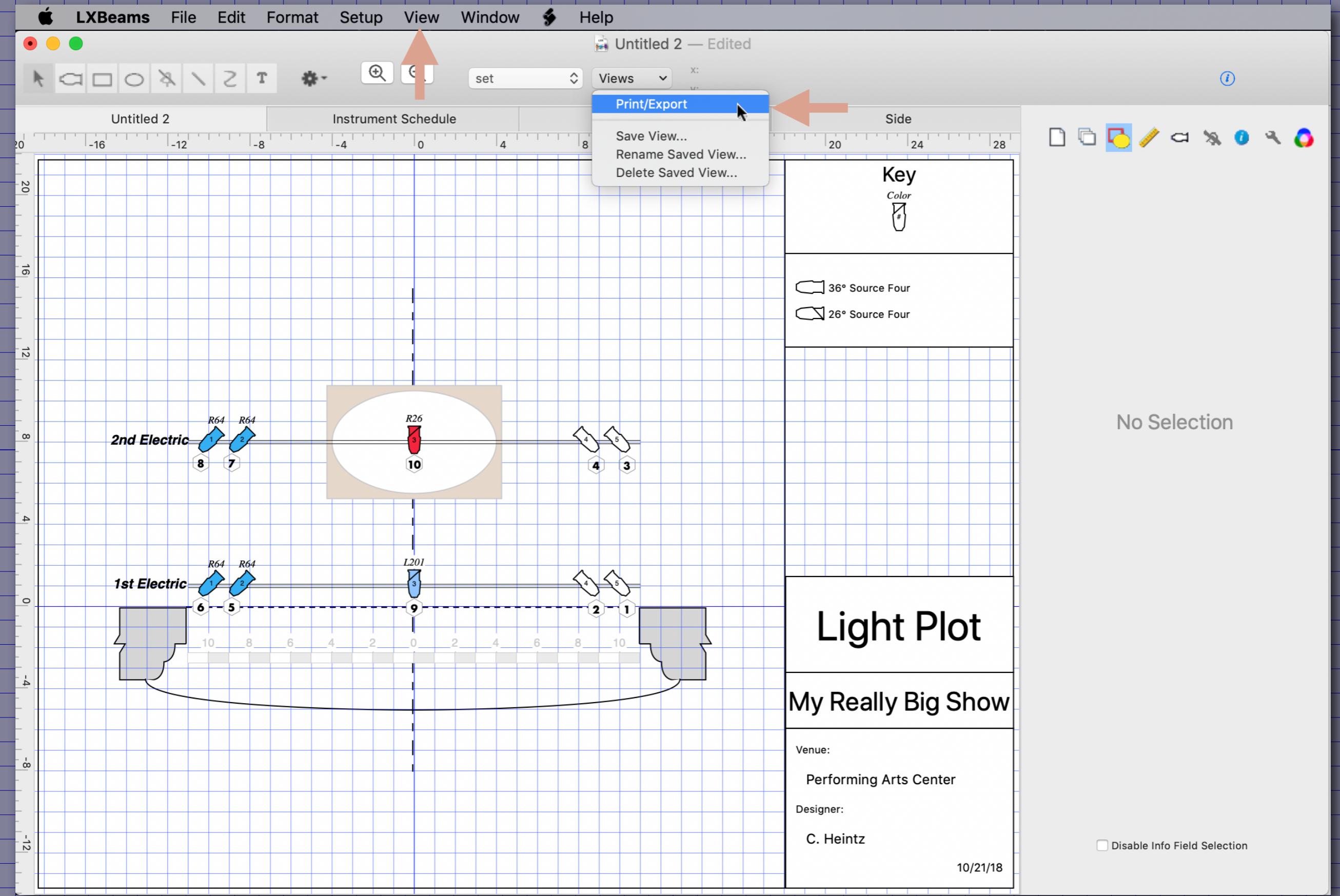


Enter a name and click OK.



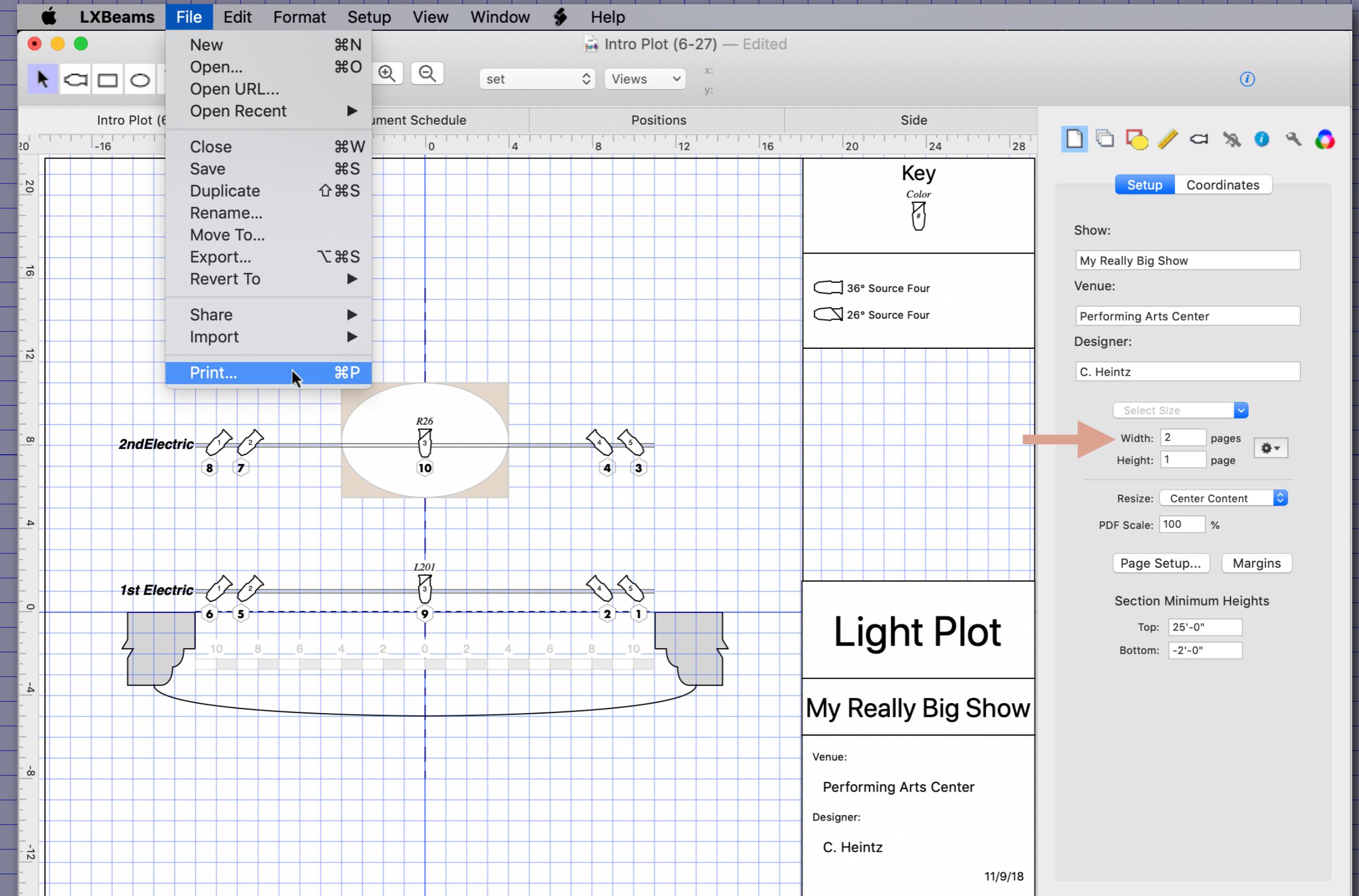
A saved view can be recalled, which changes multiple view settings at one time.

Saved views can also be found in View→Views.

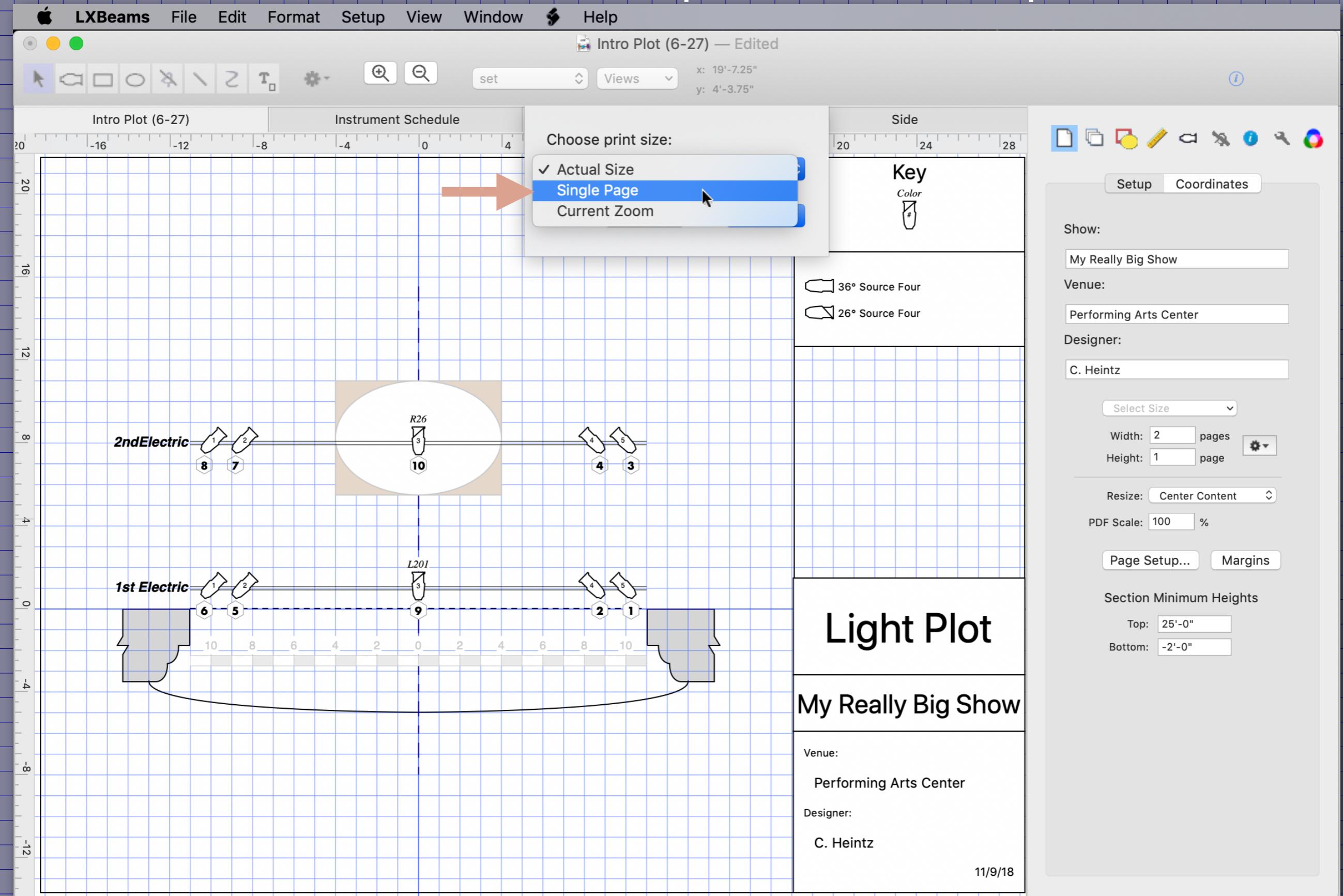


Try restoring the grid and color and then select the saved view.

If you were to select File → Print, the plot would take up two pages.

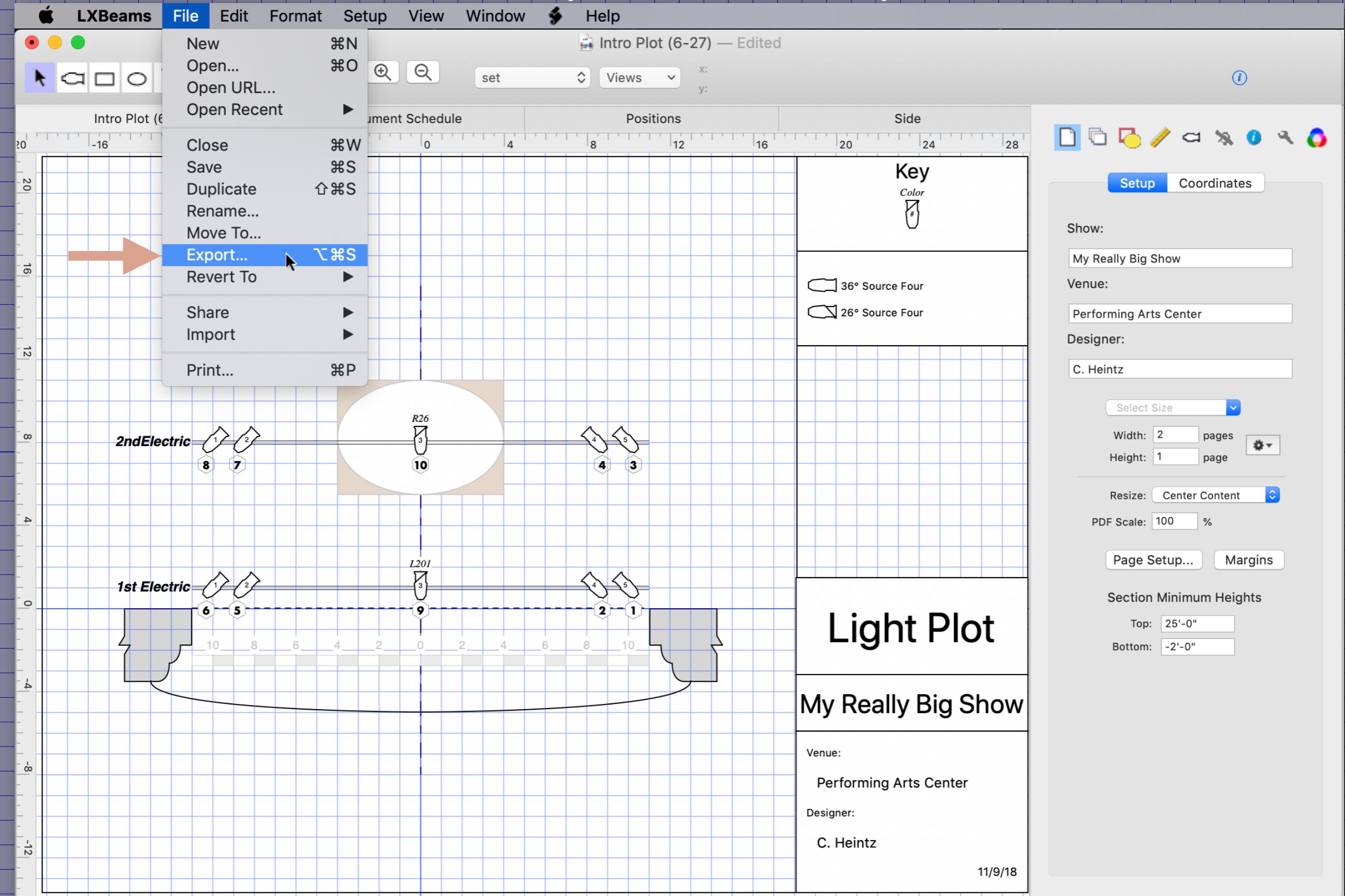


But you can choose to print on a single page.



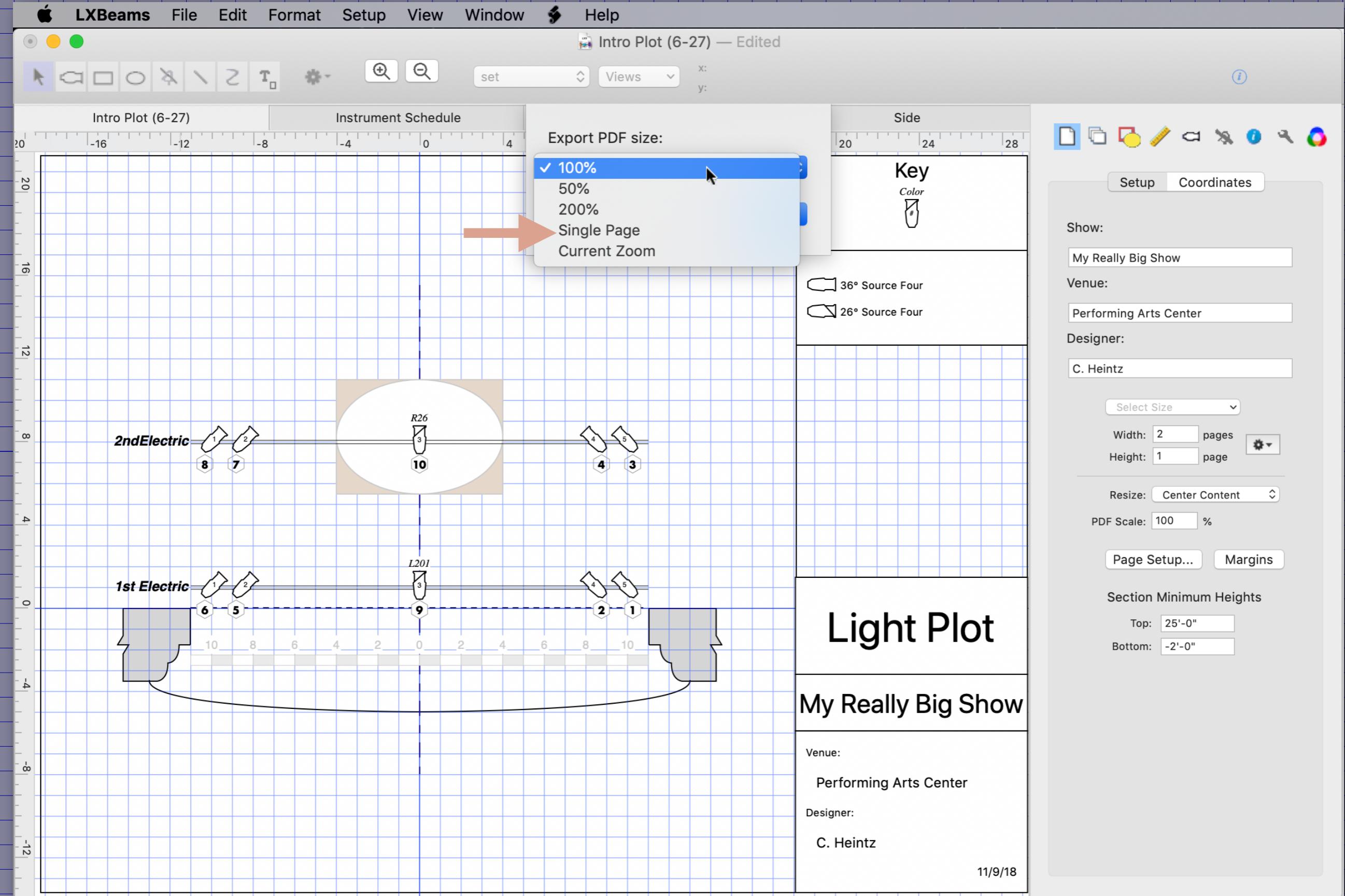
(LXBeams asks before printing)

There are similar options when exporting a PDF.



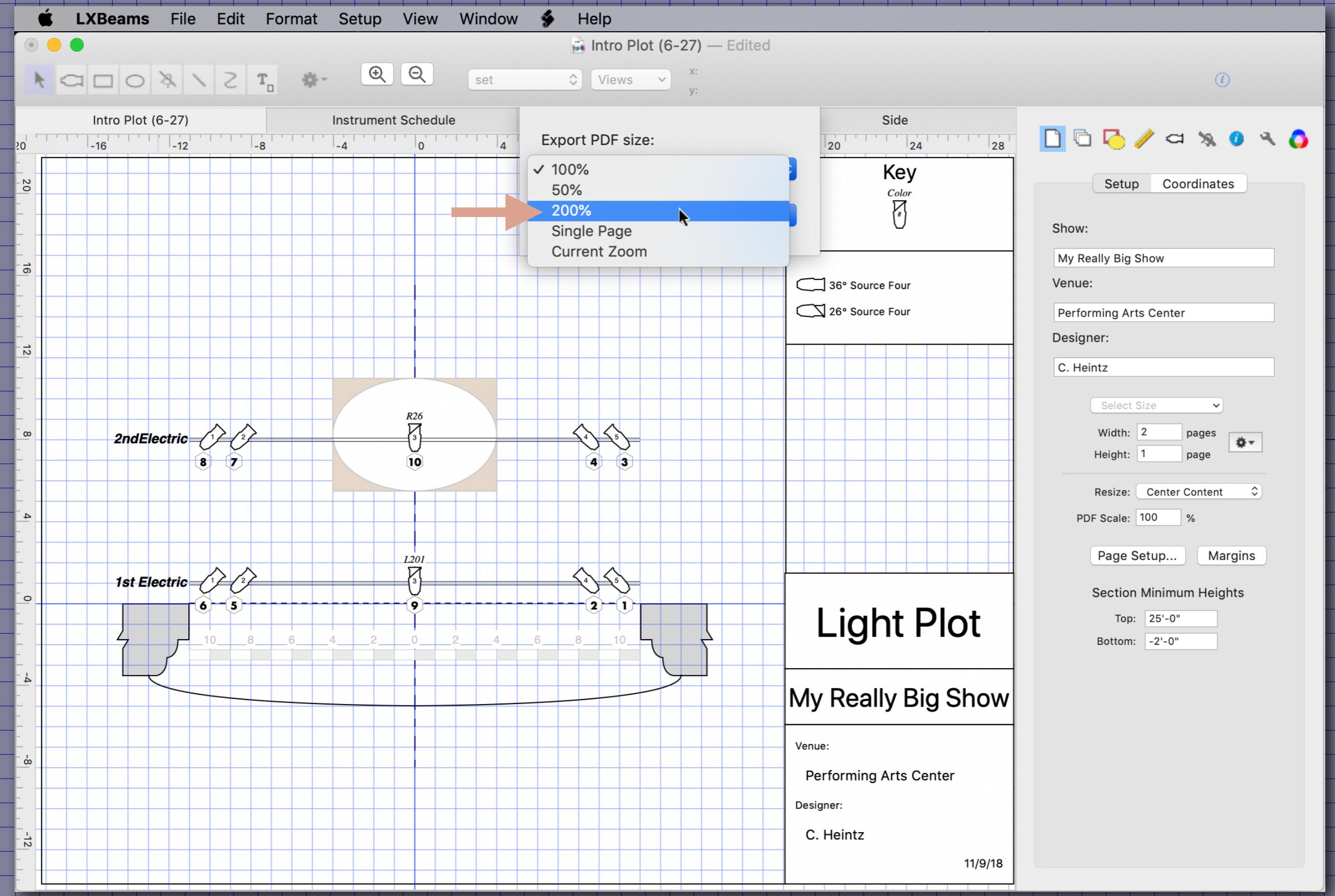
A number of types of files can be exported with File→Export. The default is PDF.

After choosing PDF from the popup in the save sheet:



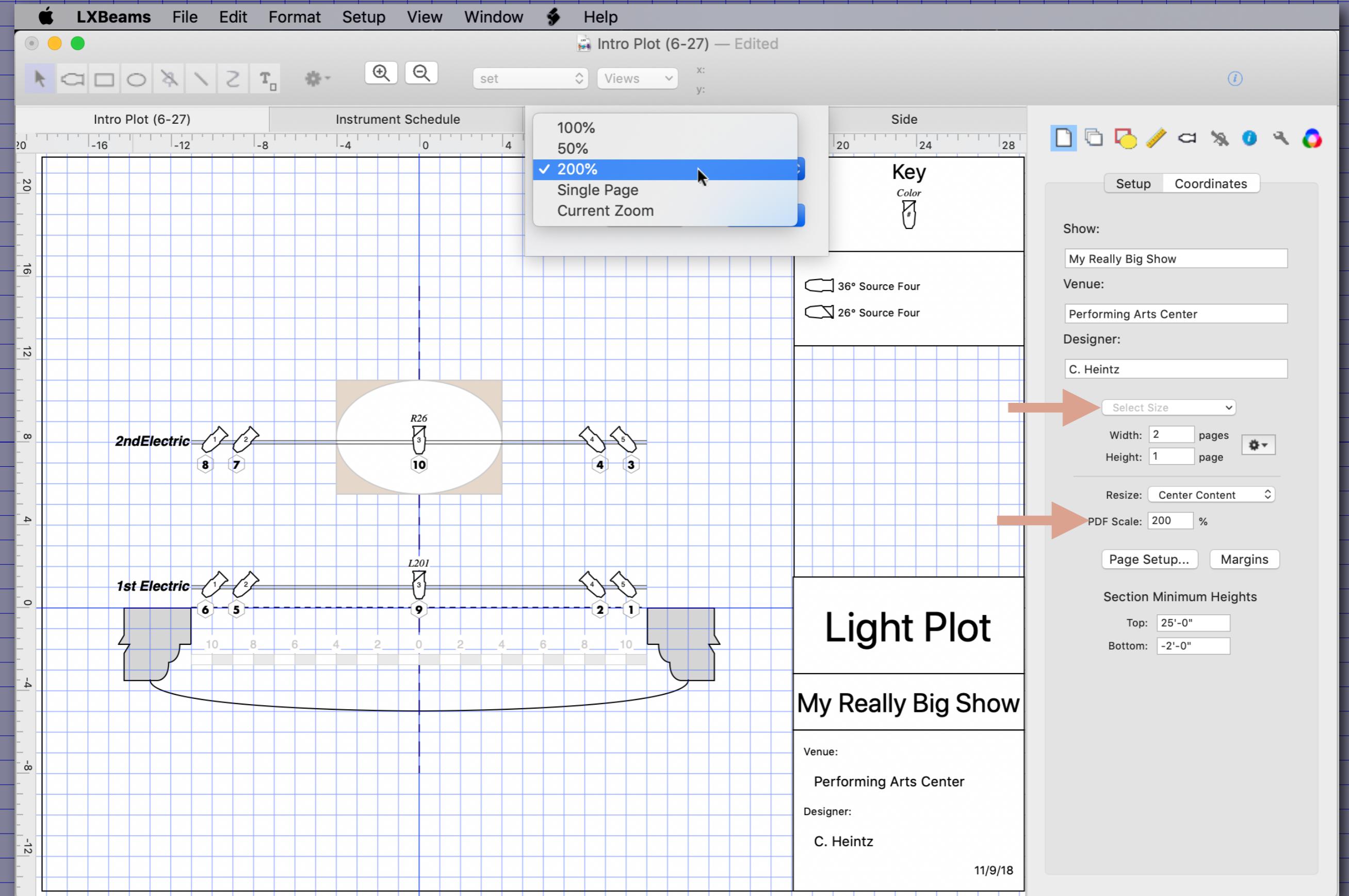
You have a choice of size options.

Exporting at 200% doubles the scale.



But the output won't be "Arch A". (It will actually be "Arch C".)

The PDF Scale setting compensates when selecting a size.



If you enter 200% for PDF Scale, the drawing area will be half as big (but correct on export).

In this section we've looked at

Auto-Fill and Info Fields

- How Auto-Fill can set a property of a series of selected lights to sequential numbers.
- How the font or style of Info Fields is consistent across all fields that represent a particular property.
- How to copy and paste the locations of Info Fields.

In this section we've looked at adding a ruler block

- Ruler blocks are generated groups of graphics that give scale to a drawing.

In this section we've looked at

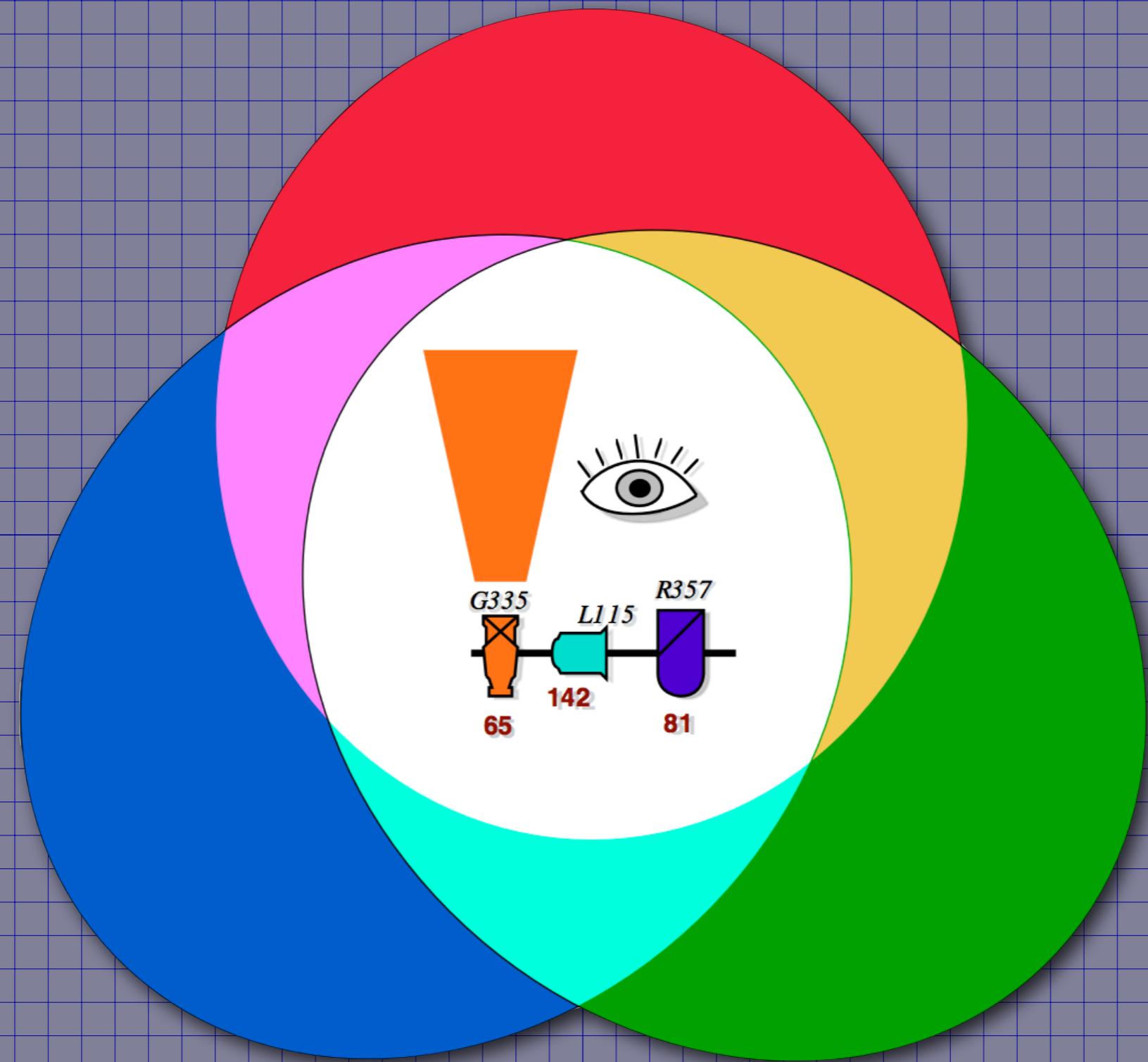
Print and Export options

- Print allows you to select full size, the current zoomed size, or scaling to a single page
- Export (PDF) allows similar size options including half and double size.

Try It Yourself

- Add some lights to the file from the 1st exercise
- Assign channels to the lights
- Resize the plot
- Add title, key and a ruler

<https://www.claudeheintzdesign.com/lx>



claudeheintzdesign@gmail.com

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