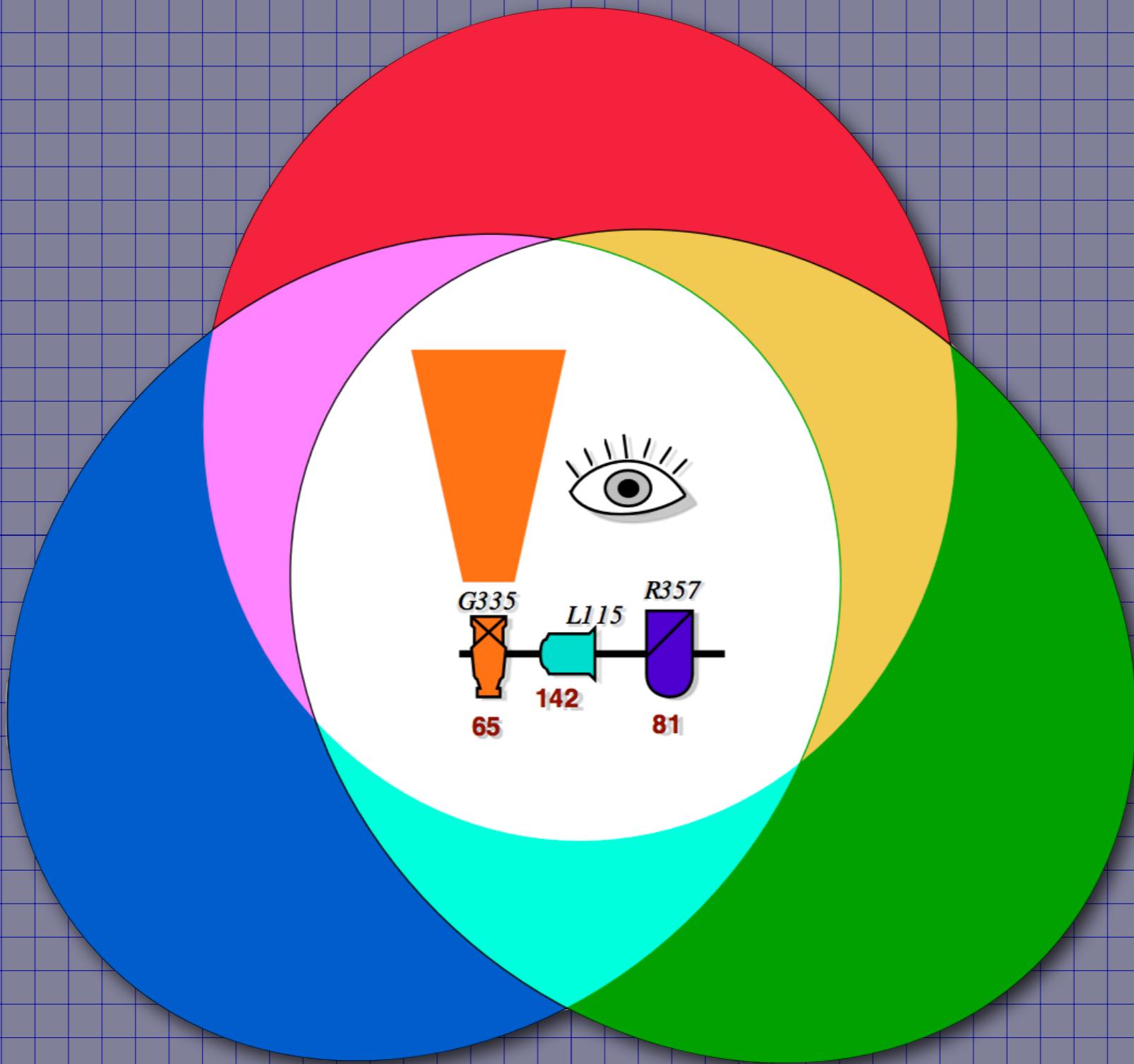


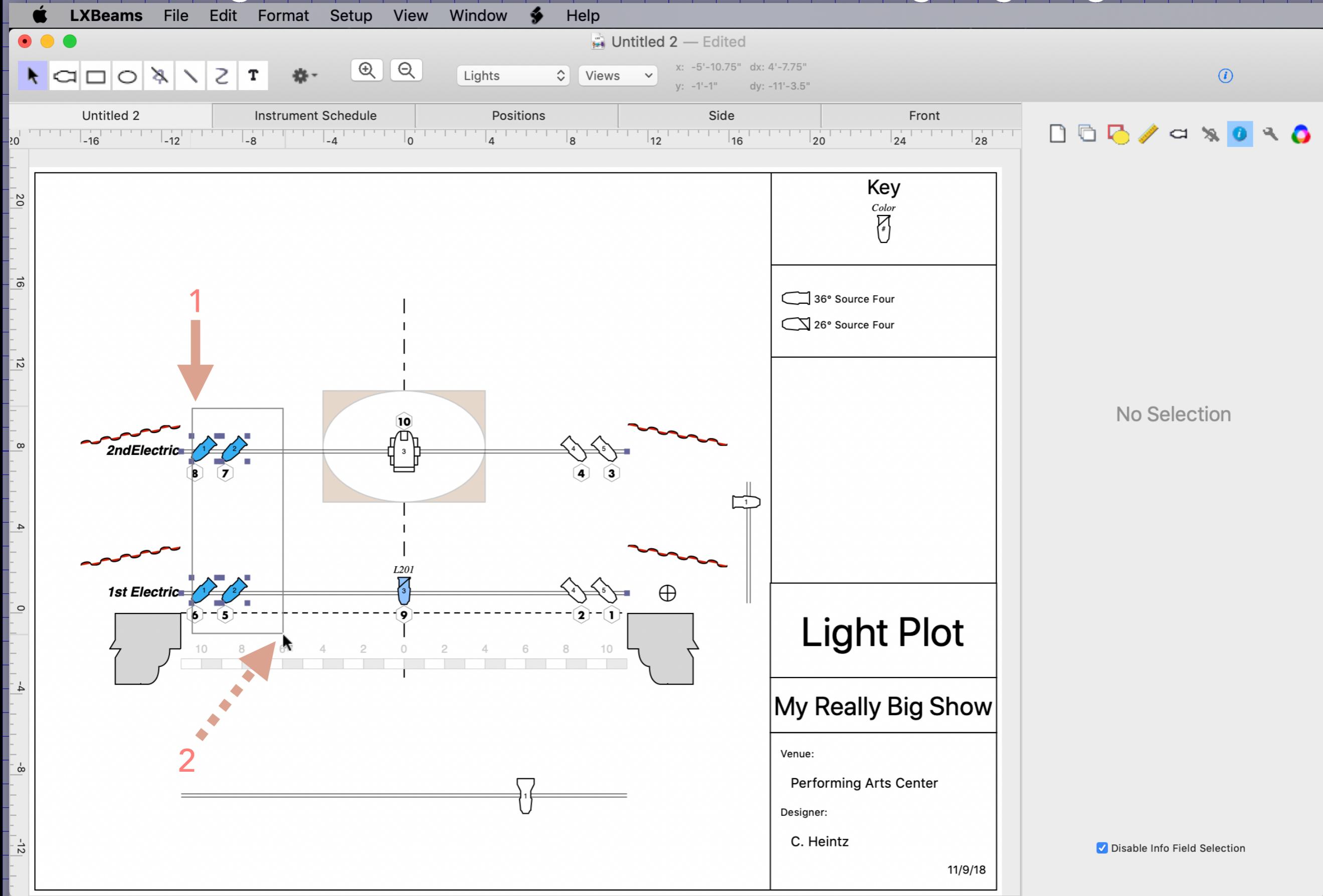
Fill Out Intro Plot



IATSE 728 Workshop 2020

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Drag the arrow tool to select the four stage right lights.



(The position lines will be selected as well)

In the Info tab, check the box for the Color field.

LXBeams File Edit Format Setup View Window Help Untitled 2 — Edited Lights Views x: y:

Untitled 2 Instrument Schedule Positions Side Front

Key

Color #

36° Source Four

26° Source Four

2ndElectric

1st Electric

L201

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

Property Value

Position

Name (...) 2ndElectric

Height (...) 18'-6"

Spacing 0'-6"

Light

Position (...) 2ndElectric

(...) 1

Color R64

Channel (...) 8

Dimmer

Template

Use

Group

More

Frost

Circuit

Mark

Note

Focus

Focus X (...) 3'-3.25"

Focus Y (...) 17'-1.25"

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

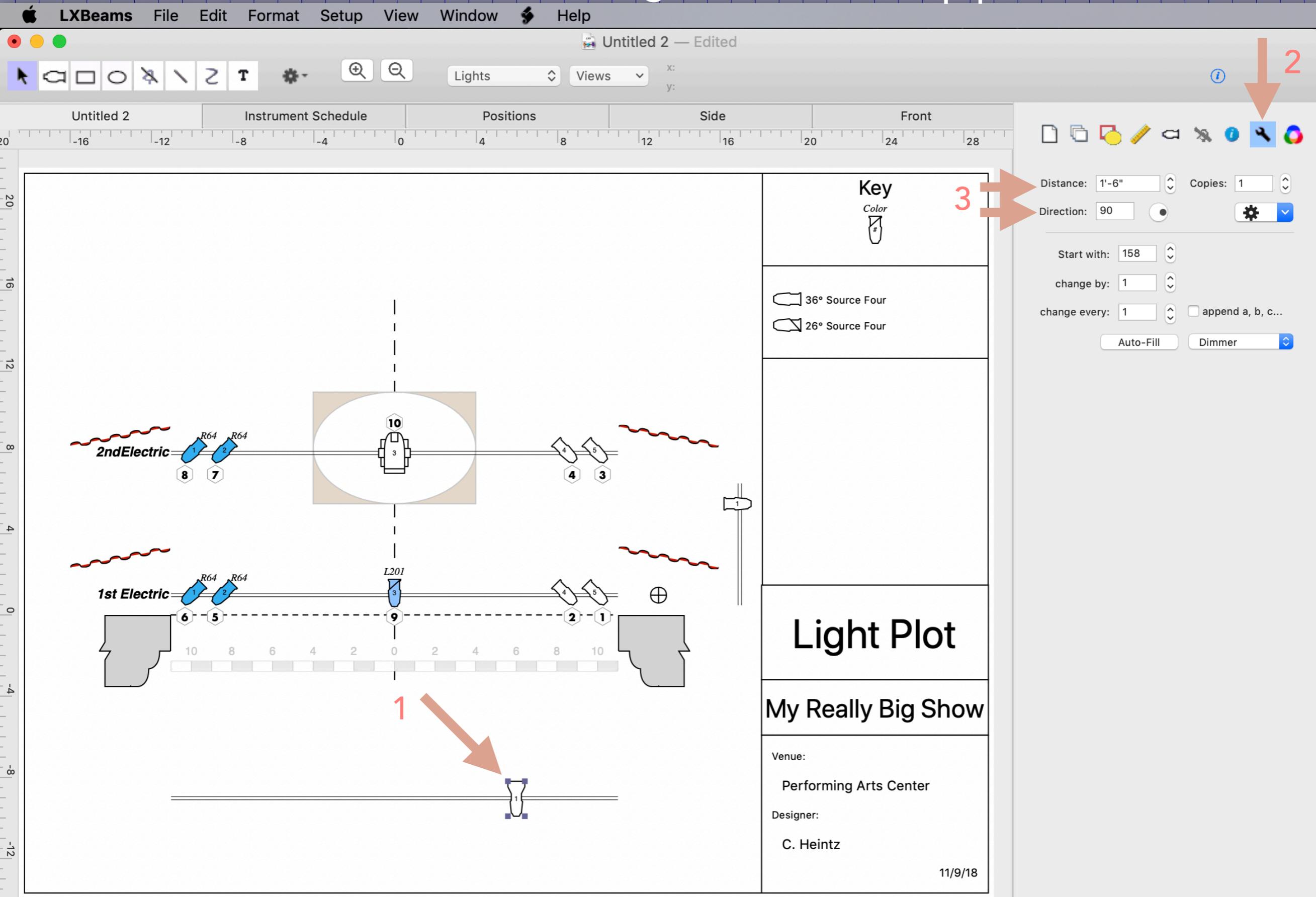
Map End X

Map End Y

Map End Z

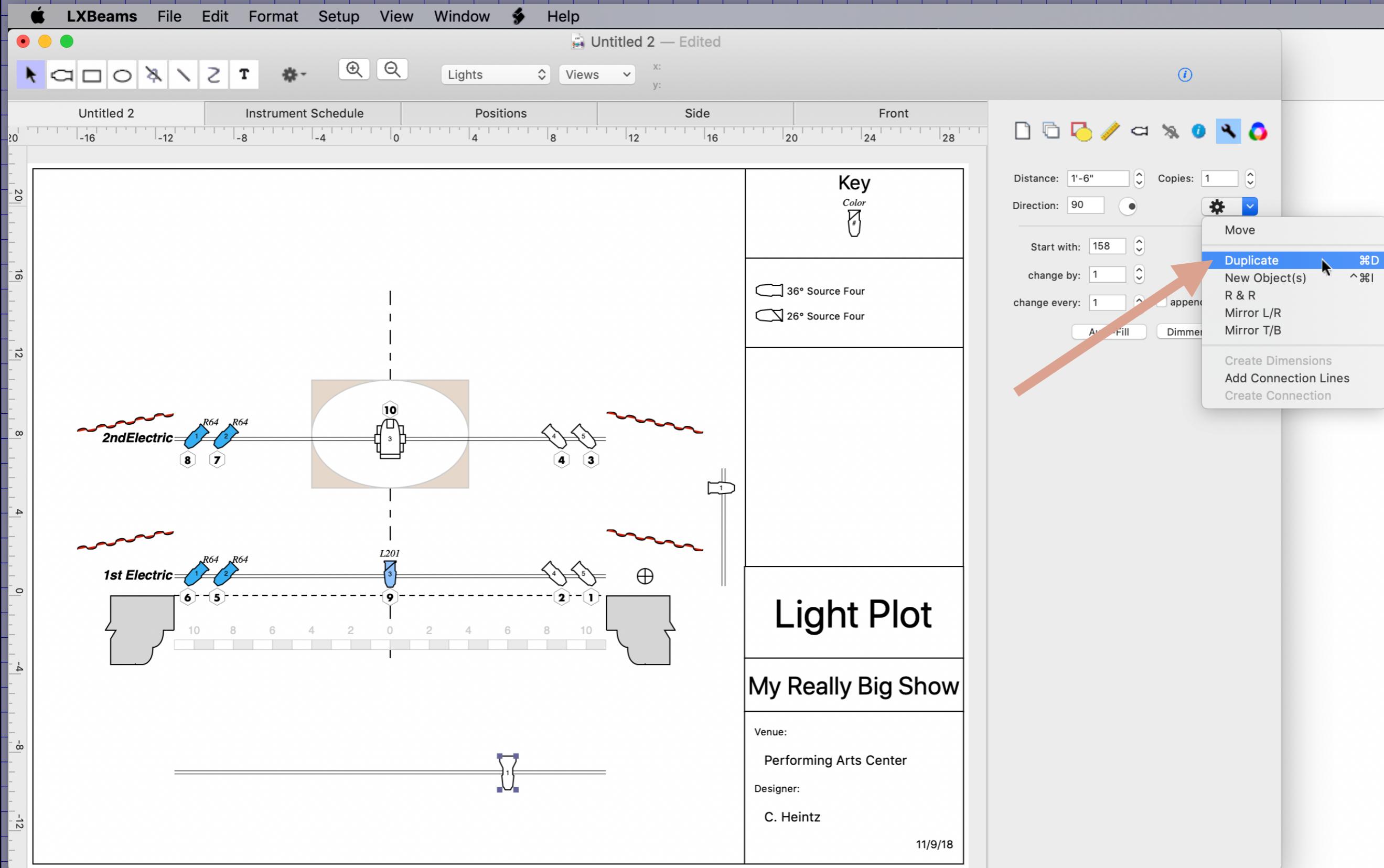
The (...) indicators mean that there are multiple values for the field.

Click to select the light on the FOH pipe.

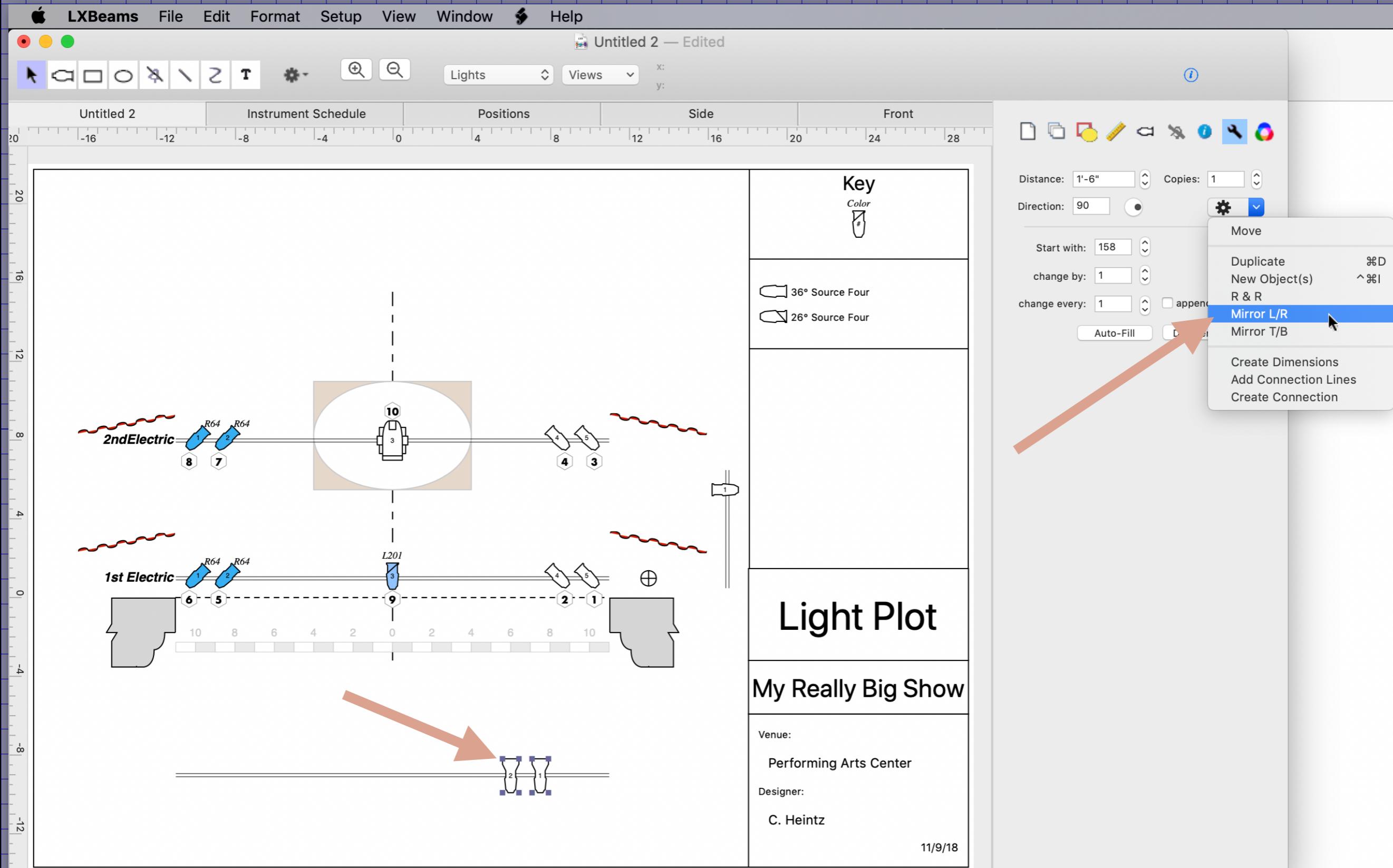


Then, in the Tools tab, set the distance to 1'-6" and the direction to 90.

Choose Duplicate from the popup menu.

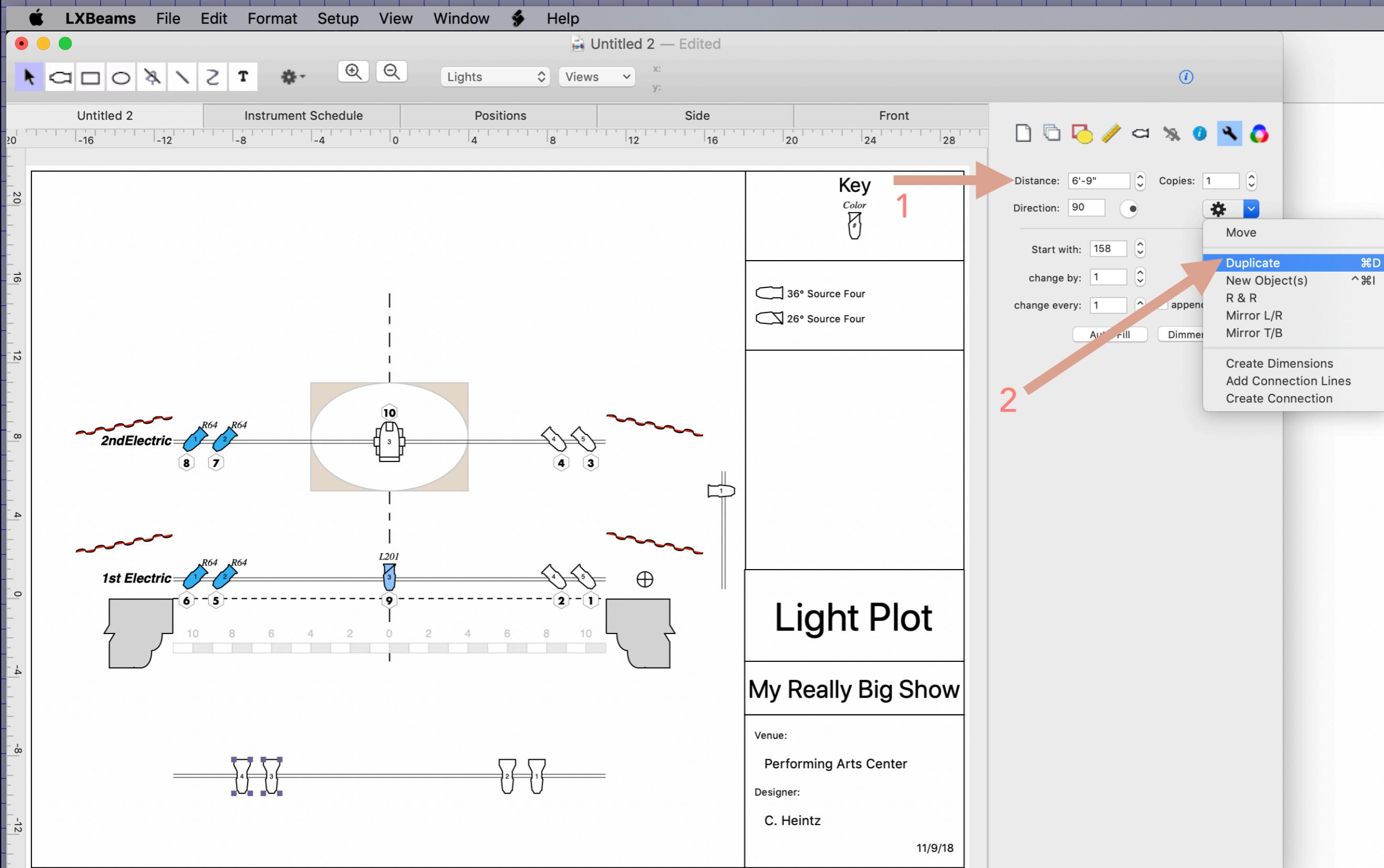


Select the original light by holding down the shift key and clicking on it.



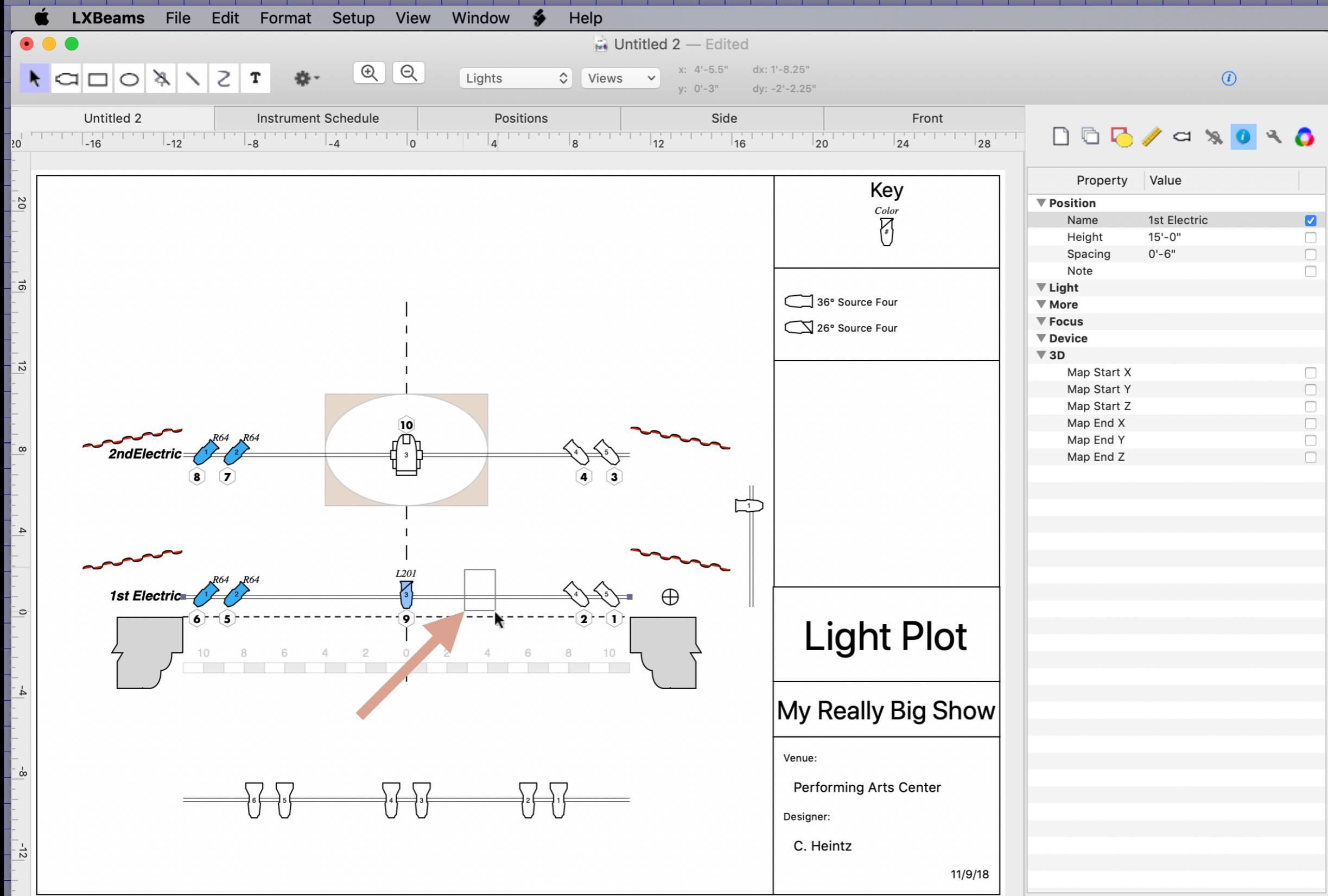
With both selected, choose Mirror L/R from the popup menu.

Set the distance to 6'-9" and choose Duplicate.

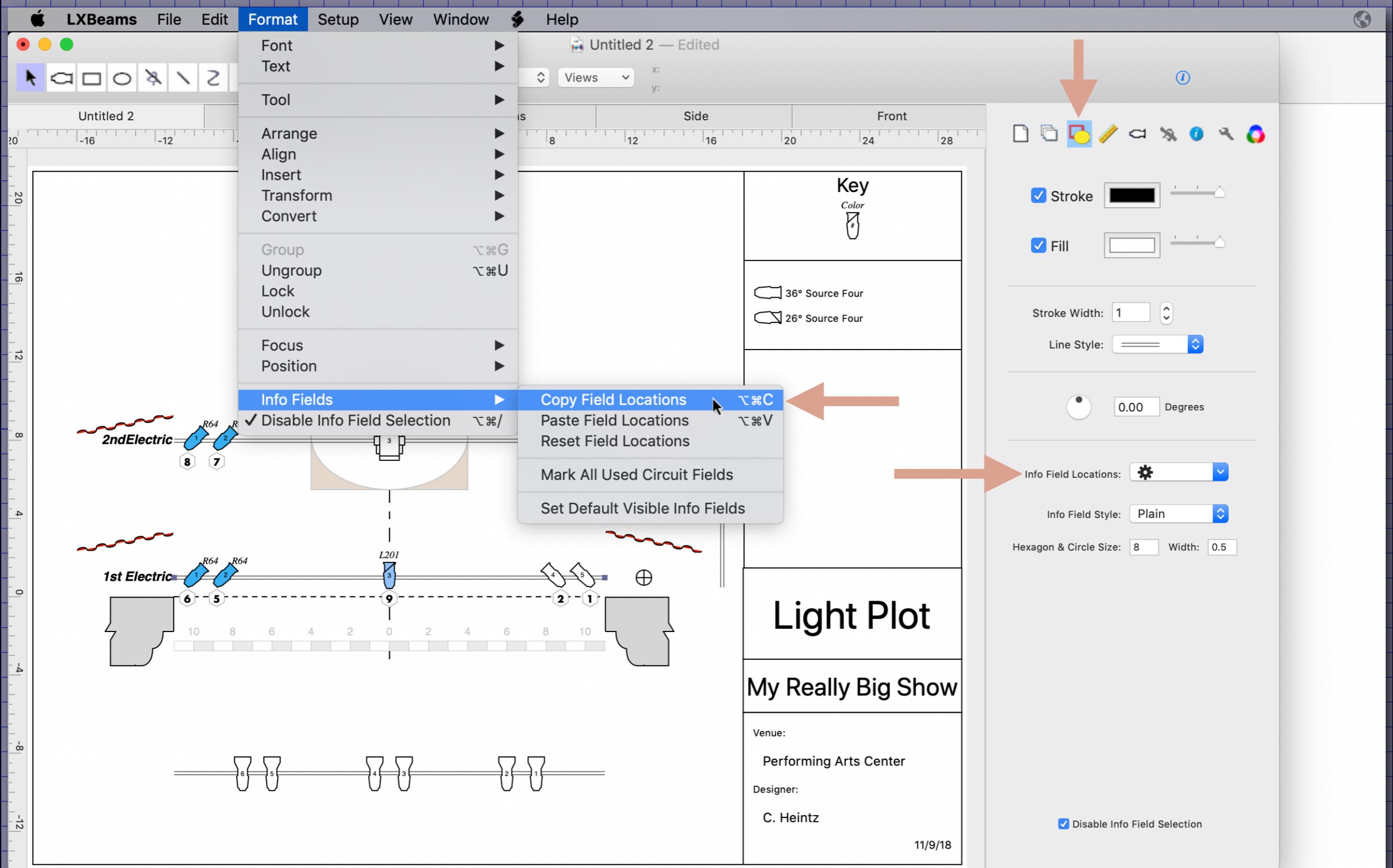


When entering distances you can skip the ' & " and enter 6-9 and it will become 6'-9".

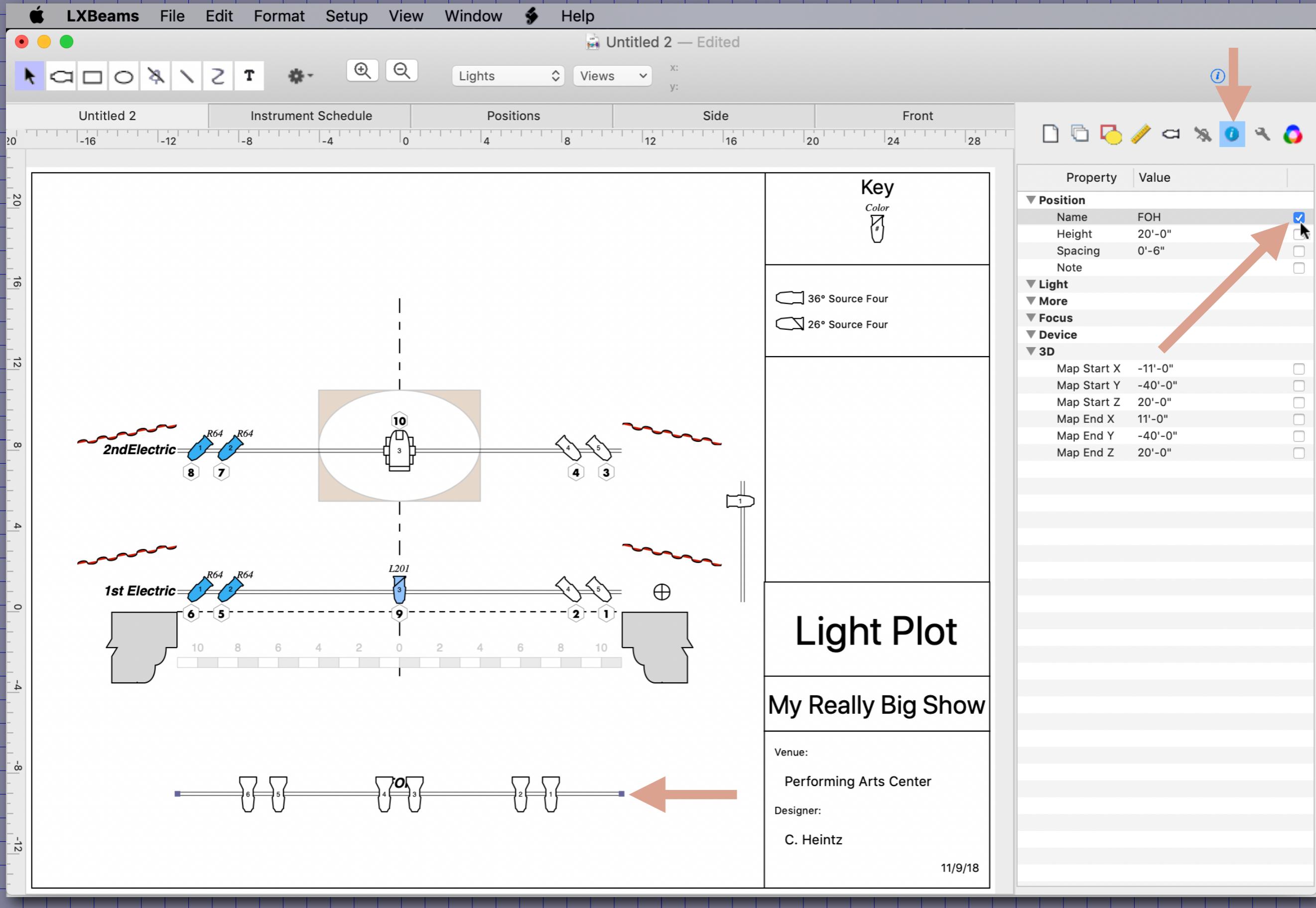
Drag the arrow tool to select the 1st Electric line.



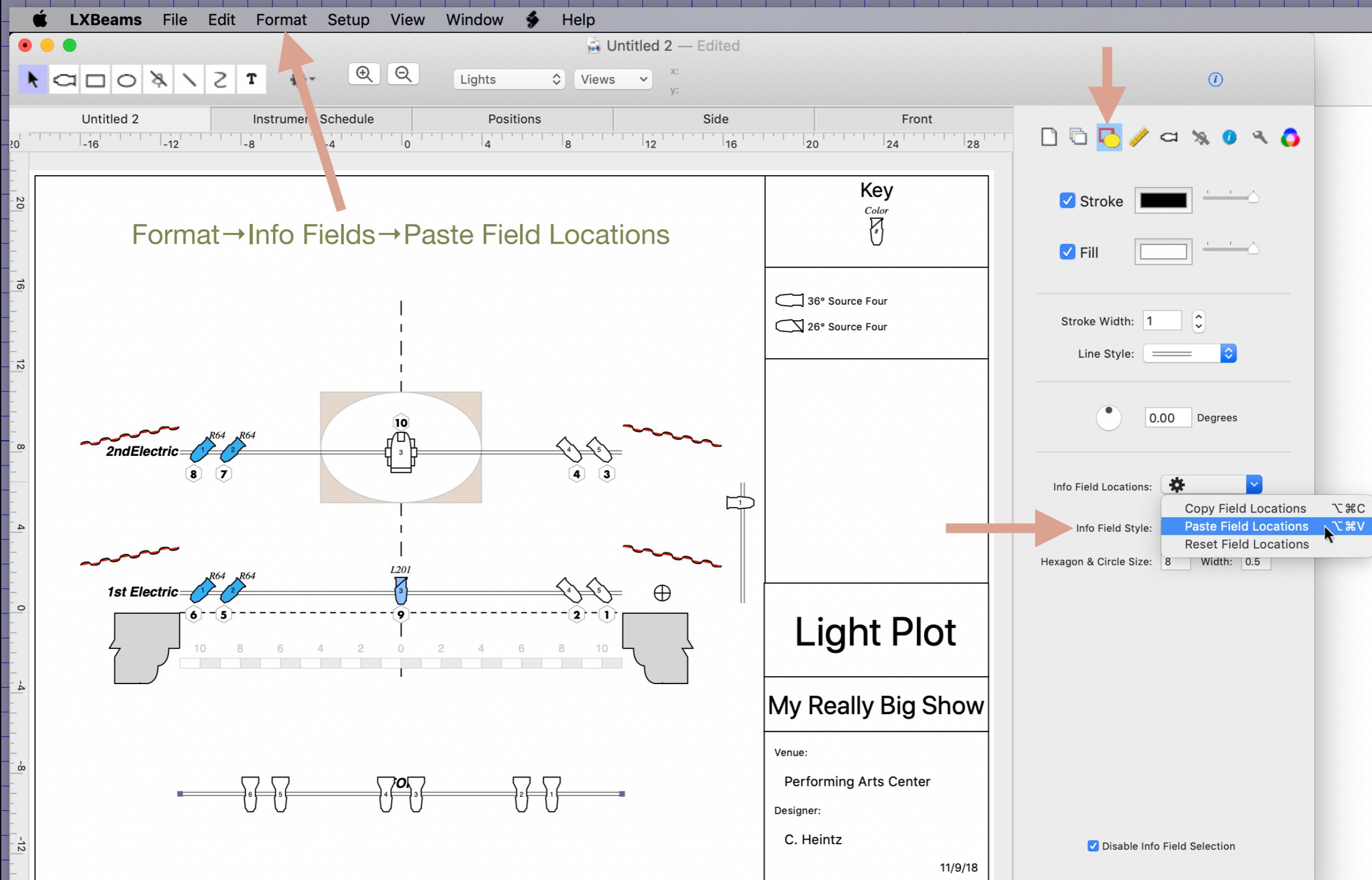
Use either menu to Copy Field Locations.



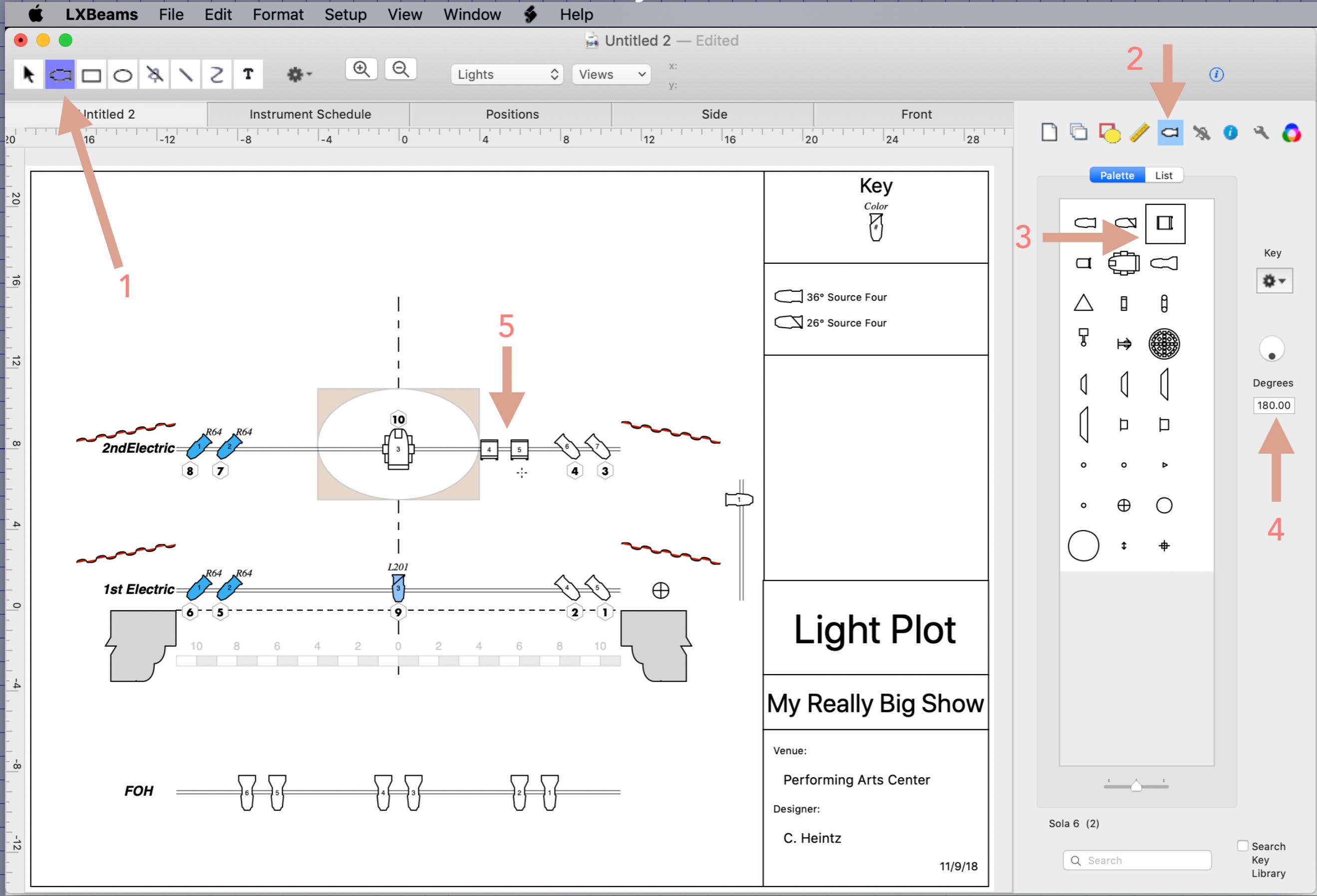
Select the FOH line and check the box to show its Name.



Use either menu to Paste Field Locations.

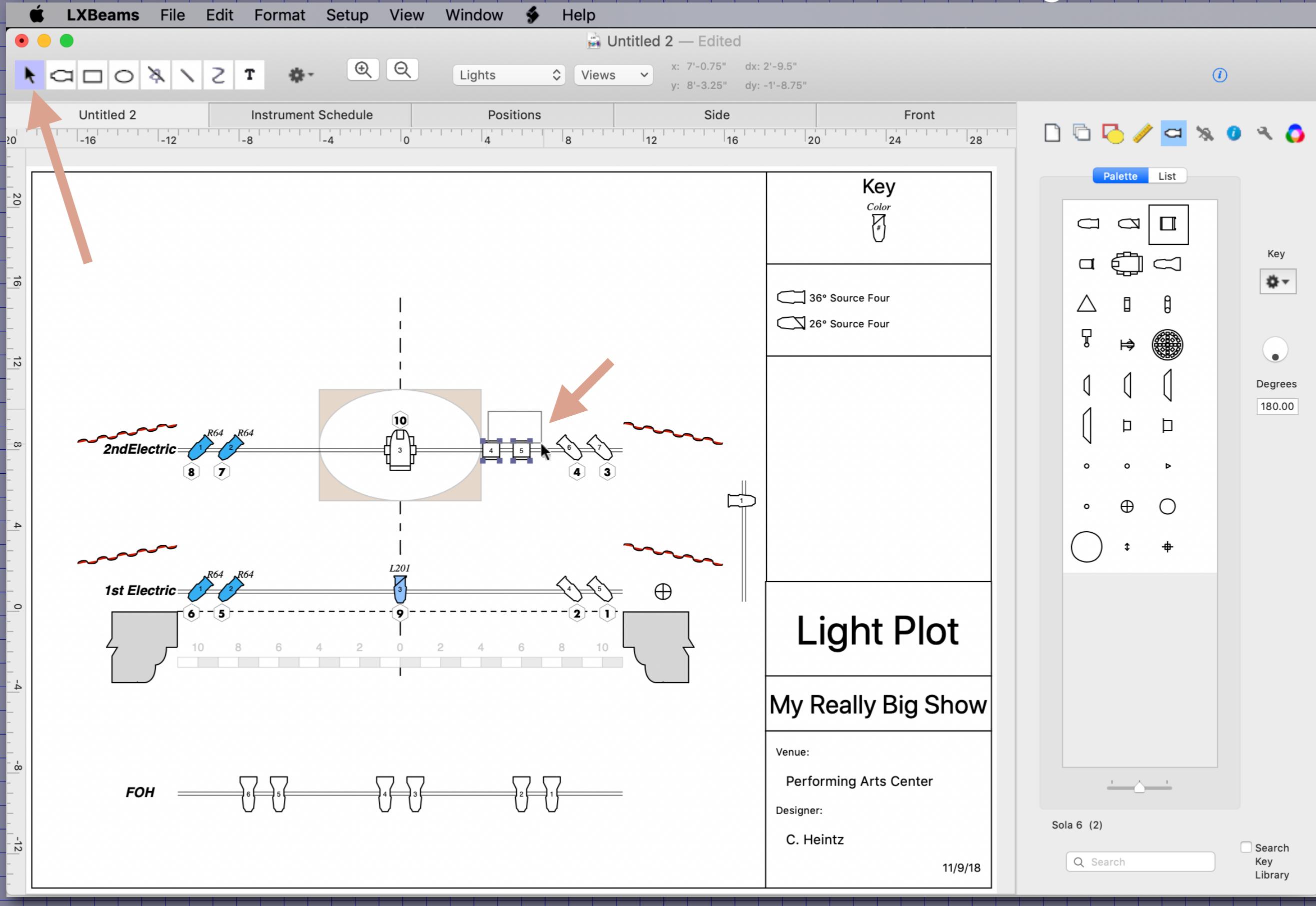


Double-click the symbol tool to lock it.



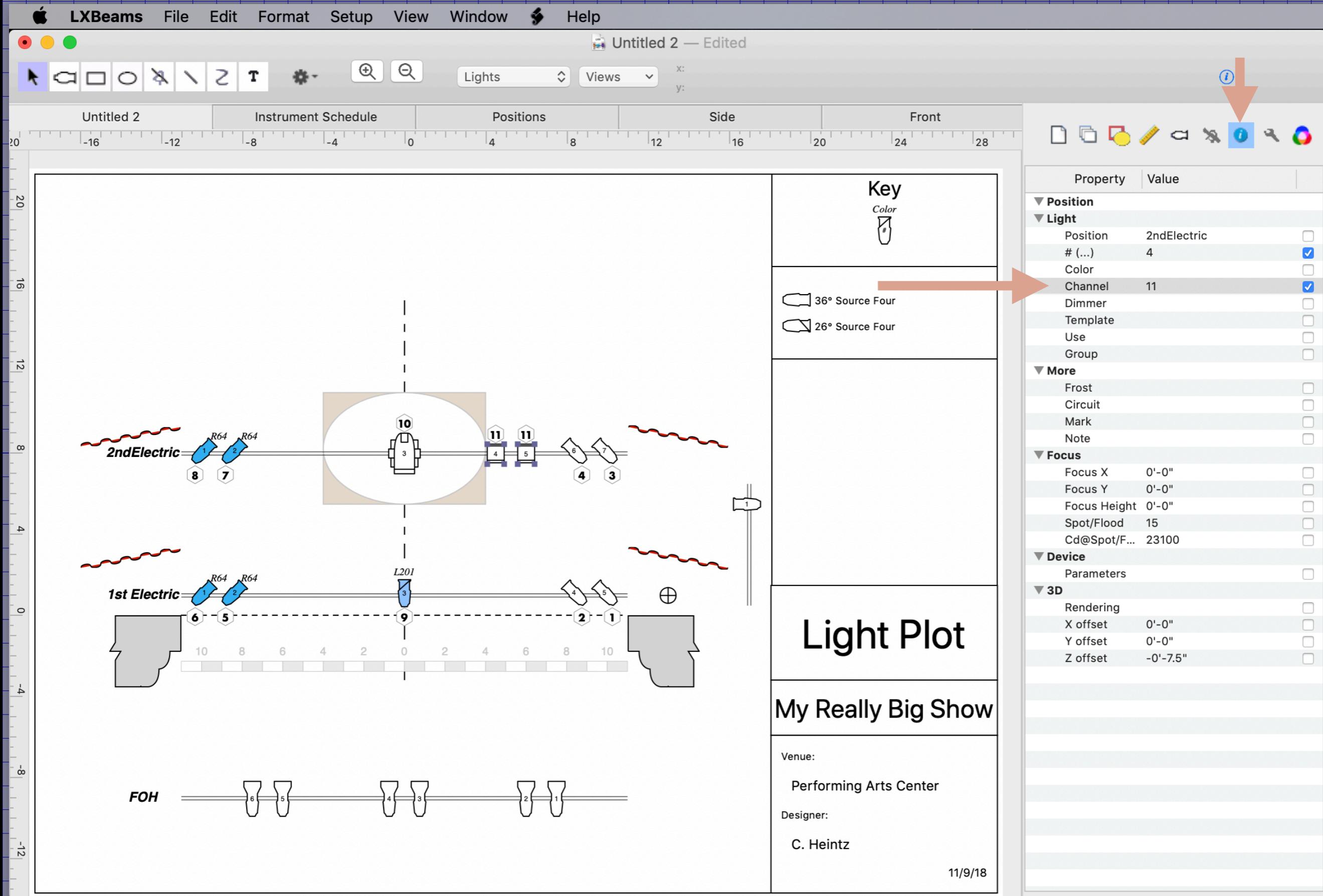
Draw a pair of Sola backlights on the 2nd Electric

Switch to the arrow tool and select both new lights.



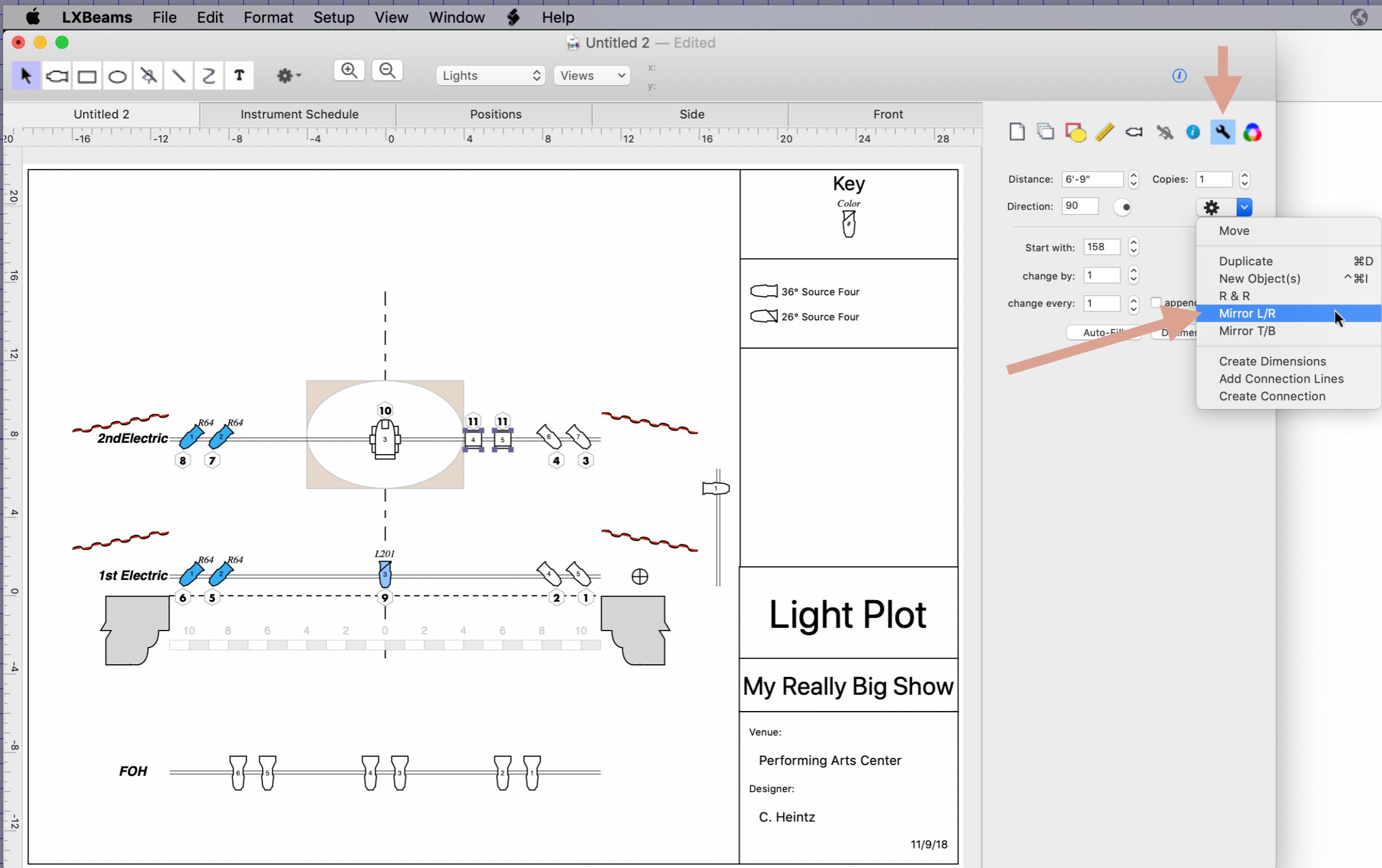
Either click and drag or click then hold the shift key and click again.

In the Info tab, enter and show a channel number.



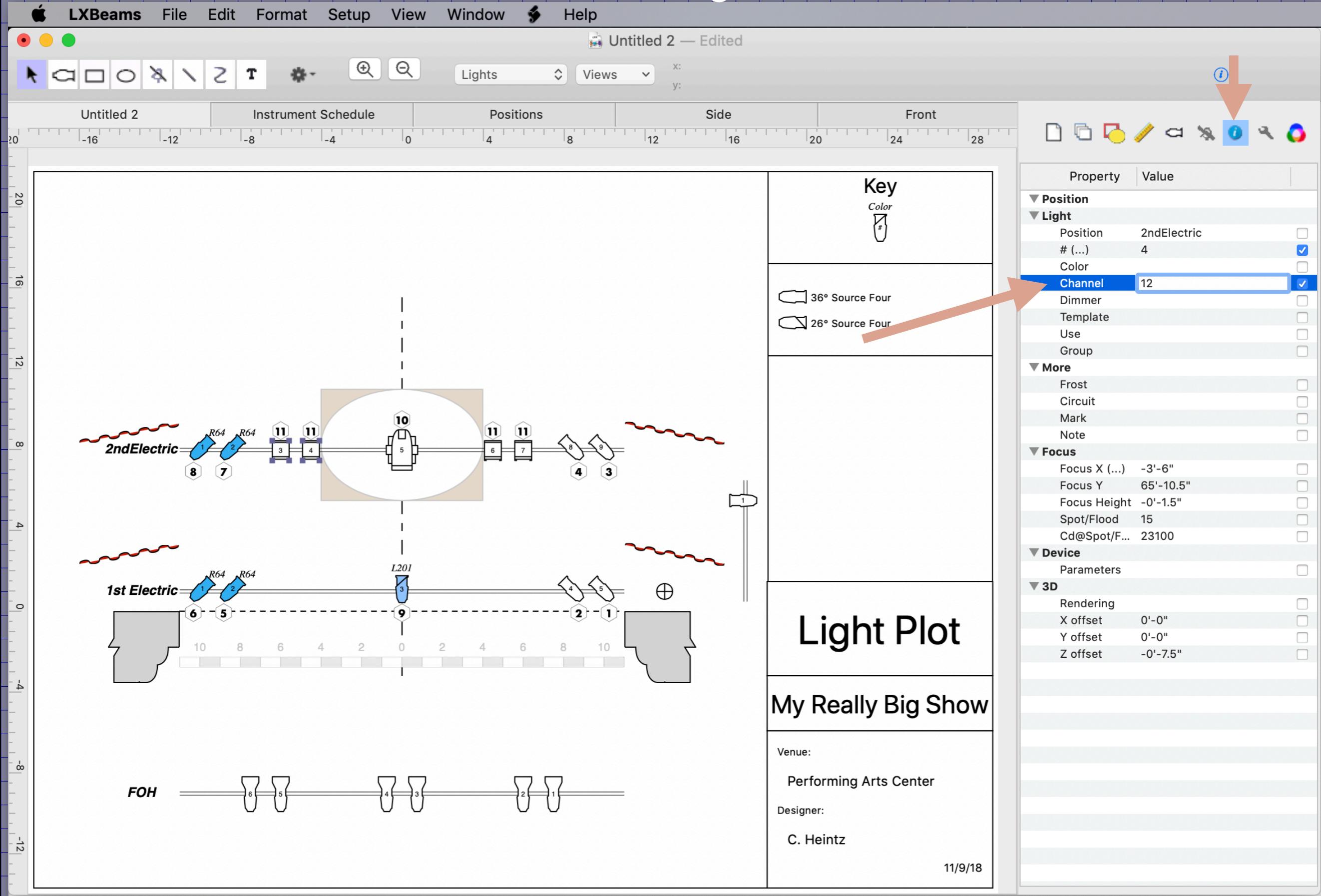
Because both are selected, they change at the same time (but the # field remains unique).

With the tools tab, mirror the lights



You can also use the regular menu command, Edit→Make→Mirror L/R.

In the Info tab, change the channel.



Click on the 1st FOH light. Then hold the shift key and click 2 more.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

Lights Views x: y:

Untitled 2 Instrument Schedule Positions Side Front

Distance: 1' - 6" Copies: 1

Direction: 180

Start with: 158

change by: 1

change every: 1 append a, b, c...

Auto-Fill Dimmer

Key Color #

36° Source Four

26° Source Four

2nd Electric

1st Electric

L201

FOH

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

The order is important.

Keep holding the shift key and select the last three.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

Lights Views x:
y:

Instrument Schedule Positions Side Front

Untitled 2 -16 -8 0 4 8 12 16 20 24 28

Distance: 1' 6" Copies: 1

Direction: 180

Start with: 158

change by: 1

change every: 1 append a, b, c...

Auto-Fill Dimmer

Key Color #

36° Source Four

26° Source Four

20
16
12
8
4
0
-4
-8
-12

2nd Electric R64 R64 12 12 10 11 11 8 7 6 5 4 3 2 1 L201 9 3 2 1 FOH 6 5 4 3 2 1

1st Electric R64 R64 6 5 9 8 7 6 4 2 1

Light Plot

My Really Big Show

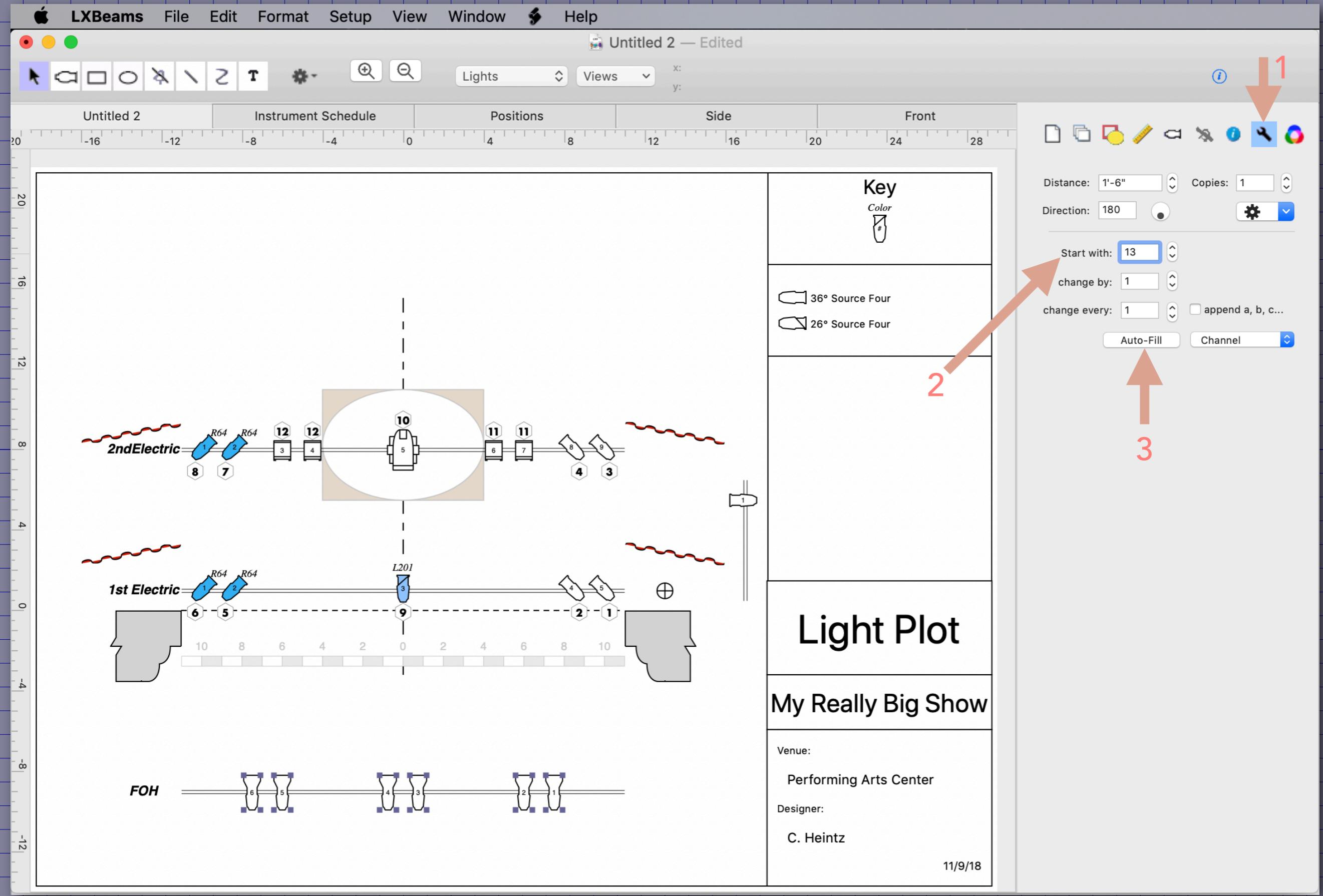
Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

The order is important.

In the Tools tab, set the Start with to 13.



Then click Auto-Fill.

With the lights still selected, click the box to show the channel field.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

Lights Views x: y:

Untitled 2 Instrument Schedule Positions Side Front

Key

Color #

36° Source Four

26° Source Four

2nd Electric

R64 R64

12 12

8 7

10

11 11

6 7

4 3

1

1st Electric

R64 R64

6 5

L201

9

2 1

+

FOH

18 15

17 14

16 13

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

Property Value

Position

Light

Position FOH

(...) 1

Color

Channel (...) 13

Dimmer

Template

Use

Group

More

Frost

Circuit

Mark

Note

Focus

Focus X (...) 8'-6"

Focus Y 17'-10.5"

Focus Height 0'-0"

Device

3D

Rendering

X offset 0'-0"

Y offset 0'-0"

Z offset -2'-0"

A red arrow points to the "Channel (...) 13" checkbox in the Light properties panel.

The channels remain different, but all will be shown.

Choose View→Report→Create Report.

LXBeams

File Edit Format Setup View Window Help

Untitled 2 — Edited

Front

Key

Color

Source Four

Source Four

2nd Electric

R64 R64

12 12

8 7

1 2

4 3

4 3

1st Electric

R64 R64

6 5

1 2

9

L201

4 5

2 1

FOH

18 15

6 5

4 3

17 14

2 1

16 13

10 8 6 4 2 0 2 4 6 8 10

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

Property Value

Position

Light

- Position FOH
- # (...) 1
- Color
- Channel (...) 13
- Dimmer
- Template
- Use
- Group

More

- Frost
- Circuit
- Mark
- Note

Focus

- Focus X (...) 8'-6"
- Focus Y 17'-10.5"
- Focus Height 0'-0"

Device

3D

- Rendering
- X offset 0'-0"
- Y offset 0'-0"
- Z offset -2'-0"

Instrument Schedule

Untitled 2

20 16 12 8 4 0 -4 -8 -12

-16 -12 -8 -4

24 28

Front

Key

Color

Source Four

Source Four

2nd Electric

R64 R64

12 12

8 7

1 2

4 3

4 3

1st Electric

R64 R64

6 5

1 2

9

L201

4 5

2 1

FOH

18 15

6 5

4 3

17 14

2 1

16 13

10 8 6 4 2 0 2 4 6 8 10

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

Property Value

Position

Light

- Position FOH
- # (...) 1
- Color
- Channel (...) 13
- Dimmer
- Template
- Use
- Group

More

- Frost
- Circuit
- Mark
- Note

Focus

- Focus X (...) 8'-6"
- Focus Y 17'-10.5"
- Focus Height 0'-0"

Device

3D

- Rendering
- X offset 0'-0"
- Y offset 0'-0"
- Z offset -2'-0"

Instrument Schedule

Untitled 2

20 16 12 8 4 0 -4 -8 -12

-16 -12 -8 -4

24 28

Front

Key

Color

Source Four

Source Four

2nd Electric

R64 R64

12 12

8 7

1 2

4 3

4 3

1st Electric

R64 R64

6 5

1 2

9

L201

4 5

2 1

FOH

18 15

6 5

4 3

17 14

2 1

16 13

10 8 6 4 2 0 2 4 6 8 10

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

Choose Load from Library and click OK.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

Lights Views x: y:

Instrument Schedule Positions Load from Library... Import... New...

Front

Key

Color #

36° Source Four

26° Source Four

Property Value

Position FOH

(...) 1

Color

Channel (...) 13

Dimmer

Template

Use

Group

More

Frost

Circuit

Mark

Note

Focus X (...) 8'-6"

Focus Y 17'-10.5"

Focus Height 0'-0"

Device

3D

Rendering

X offset 0'-0"

Y offset 0'-0"

Z offset -2'-0"

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

2nd Electric

R64 R64

12 12

8 7

10

11 11

6 7

4 3

1st Electric

R64 R64

1 2

6 5

10 8 6 4 2 4 6 8 10

L201

3

9

4 5

2 1

FOH

6 5

18 15

4 3

17 14

2 1

16 13

The screenshot shows a lighting plot software interface. On the left, there's a stage diagram with various lights numbered (1 through 18) and labeled with their types (e.g., 'R64', 'L201'). The stage has dimensions from -12 to 20 on the y-axis and -16 to 4 on the x-axis. A context menu is open over light '10', listing options: 'Instrument Schedule', 'Positions', 'Load from Library...', 'Import...', and 'New...'. An orange arrow points to 'Load from Library...'. To the right of the stage diagram is a 'Key' section with icons for '36° Source Four' and '26° Source Four'. Further right is a 'Property' panel with sections for Position, Light, More, Focus, Device, and 3D, each containing various settings with checkboxes. Below these panels is a preview area titled 'Light Plot' with the title 'My Really Big Show', venue information ('Performing Arts Center'), designer ('C. Heintz'), and a date ('11/9/18').

Select Channel List and click OK.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

Lights Views x:
y:

Instrument Schedule Position

Front

Key Color #

36° Source Four
26° Source Four

Property Value

Position FOH

(...) 1

Color

Channel (...) 13

Dimmer

Template

Use

Group

More

Frost

Circuit

Mark

Note

Focus

Focus X (...) 8'-6"

Focus Y 17'-10.5"

Focus Height 0'-0"

Device

3D

Rendering

X offset 0'-0"

Y offset 0'-0"

Z offset -2'-0"

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

Untitled 2

20 16 12 8 4 0 -4 -8 -12

-16 -12 -8 -4 0 4 8 12 16 20

2nd Electric

R64 R64

1 2 3 4 12 12 11 1 10 5 6 7 8

1st Electric

R64 R64

1 2 6 5 9 3 L201 4 5 2 1 0 8 10

FOH

18 15 6 5 4 3 17 14 2 1 16 13

Select report:

- ✓ ASCII Patch
- Channel Export
- Channel List**
- Channel Summary
- Circuit List
- Color Count
- Dimmer List
- Export
- Group Summary
- HTML Active Channel Summary
- Instrument Schedule
- M-Channel List
- M-Dimmer List
- Positions
- Single Unit
- Symbols
- Unused Circuits
- Import...
- New...

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

The screenshot shows the LXBeams software interface. On the left, there is a 'Light Plot' window displaying a stage layout with various lighting fixtures numbered 1 through 18. The plot includes axes for 'Position' (x and y) and 'Instrument Schedule'. On the right, a 'Properties' panel shows settings for a selected fixture, specifically 'FOH' at position (1, 1). A context menu is open over the fixture, listing options like 'ASCII Patch', 'Channel Export', and 'Channel List'. The 'Channel List' option is highlighted with a blue selection bar and has an orange arrow pointing to it from the top-left. The menu also lists other options such as 'Channel Summary', 'Circuit List', and 'Unused Circuits'. Below the menu, the 'Light Plot' window displays the venue name 'My Really Big Show' and the designer's name 'C. Heintz' along with the date '11/9/18'.

Scroll down and click on the row “Channel: 13” to select it.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

Lights Views x:
y:

Front Channel List

Untitled 2 Instrument Schedule Positions Side

Position	#	Type	Color	Circuit	Use
2ndElectric	2	36° Source Four	R64		
2ndElectric	1	36° Source Four	R64		
1st Electric	3	26° Source Four	L201		
2ndElectric	5	Revolution			
2ndElectric	6	Sola 6			
2ndElectric	7	Sola 6			
2ndElectric	3	Sola 6			
2ndElectric	4	Sola 6			
FOH	1	10° Source Four			
FOH	3	10° Source Four			
FOH	5	10° Source Four			
FOH	2	10° Source Four			
FOH	4	10° Source Four			
FOH	6	10° Source Four			

No Selection

Disable Info Field Selection

Hold down the shift key and click on the last row under Channel 15.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

Lights Views x:
y:

Untitled 2 Instrument Schedule Positions Side Front Channel List

Position # Type Color Circuit Use

2ndElectric 2 36° Source Four R64

Channel: 8

Position # Type Color Circuit Use

2ndElectric 1 36° Source Four R64

Channel: 9

Position # Type Color Circuit Use

1st Electric 3 26° Source Four L201

Channel: 10

Position # Type Color Circuit Use

2ndElectric 5 Revolution

Channel: 11

Position # Type Color Circuit Use

2ndElectric 6 Sola 6

2ndElectric 7 Sola 6

Channel: 12

Position # Type Color Circuit Use

2ndElectric 3 Sola 6

2ndElectric 4 Sola 6

Channel: 13

Position # Type Color Circuit Use

FOH 1 10° Source Four

Channel: 14

Position # Type Color Circuit Use

FOH 3 10° Source Four

Channel: 15

Position # Type Color Circuit Use

FOH 5 10° Source Four

Channel: 16

Position # Type Color Circuit Use

FOH 2 10° Source Four

Channel: 17

Position # Type Color Circuit Use

FOH 4 10° Source Four

Channel: 18

Position # Type Color Circuit Use

FOH 6 10° Source Four

Property Value

▼ Position

▼ Light

- Position FOH
- # (...) 1
- Color
- Channel (...) 13
- Dimmer
- Template
- Use
- Group

▼ More

- Frost
- Circuit
- Mark
- Note

▼ Focus

- Focus X (...) 8'-6"
- Focus Y 17'-10.5"
- Focus Height 0'-0"

▼ Device

▼ 3D

- Rendering
- X offset 0'-0"
- Y offset 0'-0"
- Z offset -2'-0"

In the Inspector's Info table, edit the Color property.

The screenshot shows the LXBeams application interface. On the left is the main workspace with a grid background, containing a table titled "Instrument Schedule" with columns for Position, #, Type, Color, Circuit, and Use. The table lists various channels (Channel: 8 to Channel: 18) and their corresponding settings. On the right is the "Inspector" panel, which contains an "Info" table with properties like Position, Light, More, Focus, Device, and 3D. A blue arrow points from the "Color" field in the "Light" section of the Info table to the "Color" column in the main table. A red arrow points from the "Color" column in the main table to the "Color" field in the Info table. A red circle highlights the "Color" field in the Info table. The top menu bar includes File, Edit, Format, Setup, View, Window, Help, and a toolbar with various icons.

Instrument Schedule						Positions	Side	Front	Channel List
Position	#	Type	Color	Circuit	Use				
Channel: 8	Position 2	2ndElectric	36° Source Four	R64					
Channel: 9	Position 3	1st Electric	26° Source Four	L201					
Channel: 10	Position 5	2ndElectric	Revolution						
Channel: 11	Position 6	2ndElectric	Sola 6						
Channel: 11	Position 7	2ndElectric	Sola 6						
Channel: 12	Position 3	2ndElectric	Sola 6						
Channel: 12	Position 4	2ndElectric	Sola 6						
Channel: 13	Position 1	FOH	10° Source Four	R05					
Channel: 14	Position 3	FOH	10° Source Four	R05					
Channel: 15	Position 5	FOH	10° Source Four	R05					
Channel: 16	Position 2	FOH	10° Source Four						
Channel: 17	Position 4	FOH	10° Source Four						
Channel: 18	Position 6	FOH	10° Source Four						

Property	Value
Position	
Light	
Position	FOH
# (...)	1
Color	R05
Channel (...)	13
Dimmer	
Template	
Use	
Group	
More	
Frost	
Circuit	
Mark	
Note	
Focus	
Focus X (...)	8'-6"
Focus Y	17'-10.5"
Focus Height	0'-0"
Device	
3D	
Rendering	
X offset	0'-0"
Y offset	0'-0"
Z offset	-2'-0"

Also check the box to display the Color field.

Repeat, selecting rows from Channel 16 to the last row under channel 18.

LXBeams File Edit Format Setup View Window Help Untitled 2 — Edited Lights Views x: -3'-9.5" y: -5'-11.25" i

Untitled 2 Instrument Schedule Positions Side Front Channel List

	Position	#	Type	Color	Circuit	Use
Channel: 8	2ndElectric	2	36° Source Four	R64		
Channel: 9	1st Electric	3	26° Source Four	L201		
Channel: 10	2ndElectric	5	Revolution			
Channel: 11	2ndElectric	6	Sola 6			
Channel: 11	2ndElectric	7	Sola 6			
Channel: 12	2ndElectric	3	Sola 6			
Channel: 12	2ndElectric	4	Sola 6			
Channel: 13	FOH	1	10° Source Four	R05		
Channel: 14	FOH	3	10° Source Four	R05		
Channel: 15	FOH	5	10° Source Four	R05		
Channel: 16	FOH	2	10° Source Four			
Channel: 17	FOH	4	10° Source Four			
Channel: 18	FOH	6	10° Source Four			

Property Value

- ▼ Position
- ▼ Light
 - Position FOH
 - # (...) 2
 - Color
 - Channel (...) 16
 - Dimmer
 - Template
 - Use
 - Group
- ▼ More
 - Frost
 - Circuit
 - Mark
 - Note
- ▼ Focus
 - Focus X (...) 7'-0"
 - Focus Y 17'-10.5"
 - Focus Height 0'-0"
- ▼ Device
- ▼ 3D
 - Rendering
 - X offset 0'-0"
 - Y offset 0'-0"
 - Z offset -2'-0"

To select multiple rows, use the shift key.

In the Inspector's Info table, edit the Color property.

The screenshot shows the LXBeams application interface. The main window displays an 'Instrument Schedule' table with columns for Position, #, Type, Color, Circuit, and Use. The 'Color' column is currently empty for most entries. The 'Inspector' panel on the right shows a table of properties. The 'Color' property for the selected item (Position #2) is highlighted and set to 'R55'. A blue arrow points from the 'Color' column in the table to the 'Color' entry in the Inspector. Another blue arrow points from the 'Color' entry in the Inspector back to the 'Color' column in the table. A red arrow points to the 'Info' icon in the top right corner of the Inspector panel.

Untitled 2		Instrument Schedule		Positions		Side	Front	Channel List
Position	#	Type	Color	Circuit	Use			
2ndElectric	2	36° Source Four	R64					
1st Electric	3	26° Source Four	L201					
2ndElectric	5	Revolution						
2ndElectric	6	Sola 6						
2ndElectric	7	Sola 6						
2ndElectric	3	Sola 6						
2ndElectric	4	Sola 6						
FOH	1	10° Source Four	R05					
FOH	3	10° Source Four	R05					
FOH	5	10° Source Four	R05					
FOH	2	10° Source Four	R55					
FOH	4	10° Source Four	R55					
FOH	6	10° Source Four	R55					

Property	Value
▼ Position	
▼ Light	
Position	FOH
# (...)	2
Color	R55
Channel (...)	16
Dimmer	
Template	
Use	
Group	
▼ More	
Frost	
Circuit	
Mark	
Note	
▼ Focus	
Focus X (...)	7'-0"
Focus Y	17'-10.5"
Focus Height	0'-0"
▼ Device	
▼ 3D	
Rendering	
X offset	0'-0"
Y offset	0'-0"
Z offset	-2'-0"

Also check the box to display the Color field.

The selection is the same in the report as the main drawing.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

Lights Views x: y:

Instrument Schedule Positions Side Front Channel List

Untitled 2 -16 -12 -8 -4 0 4 8 12 16 20 24 28

20
16
12
8
4
0
-4
-8
-12

Key

Color #

36° Source Four

26° Source Four

2nd Electric

R64 R64

12 12

8 7

10 5

11 11

6 7

4 3

1

1st Electric

R64 R64

1 2

6 5

L201

9

+

FOH

R55 R05

18 15

R55 R05

4 3

R55 R05

16 13

10 8 6 4 2 2 4 6 8 10

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

Property Value

Position

Light

Position FOH

(...) 2

Color R55

Channel (...) 16

Dimmer

Template

Use

Group

More

Frost

Circuit

Mark

Note

Focus

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

Focus Y 17'-10.5"

Focus Height 0'-0"

Device

3D

Rendering

X offset 0'-0"

Y offset 0'-0"

Z offset -2'-0"

The Inspector allows editing in both the drawing and reports.

Create a new Layer.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

untitled Views x:
y:

Instrument Schedule Positions Side Front Channel List

20
16
12
8
4
0
-4
-8
-12

2nd Electric R64 R64 12 12 10 11 11 8 7 6 5 4 3 2 1 1 L201 9 2 1 FOH R55 R05 6 5 18 15 R55 R05 4 3 17 14 R55 R05 2 1 16 13

Key Color #

36° Source Four

26° Source Four

Light Plot

My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

11/9/18

1 2 3

+

-

Layer

- dimensions On
- curtains On
- Key and Title On
- Lights On
- set Dim
- GroundPlan.pdf On
- outline On

Name it "Dimensions".

Drag the arrow tool to select the two channel 11 lights.

LXBeams File Edit Format Setup View Window Help

Untitled 2 — Edited

dimensions Views x: 7'-2" dx: 2'-8" y: 8'-3.5" dy: -2'-8"

Instrument Schedule Positions Side Front Channel List

Untitled 2

20 16 12 8 4 0 -4 -8 -12

20 16 12 8 4 0 -4 -8 -12

20 16 12 8 4 0 -4 -8 -12

2nd Electric

1 R64 2 R64 12 12 10 11 11 8 7 4 3 6 7 1 2 3 4 5

1st Electric

1 R64 2 R64 6 5 L201 9 3 2 1 4 5 8 10

FOH

R55 R05 6 18 5 15 R55 R05 4 17 3 14 R55 R05 2 16 1 13

Key

Color #

36° Source Four

26° Source Four

Distance: 2'-0" Copies: 1

Direction: 0

Start with: 19

change by: 1

change every: 1

append a, b, c...

Auto-Fill Channel

Light Plot

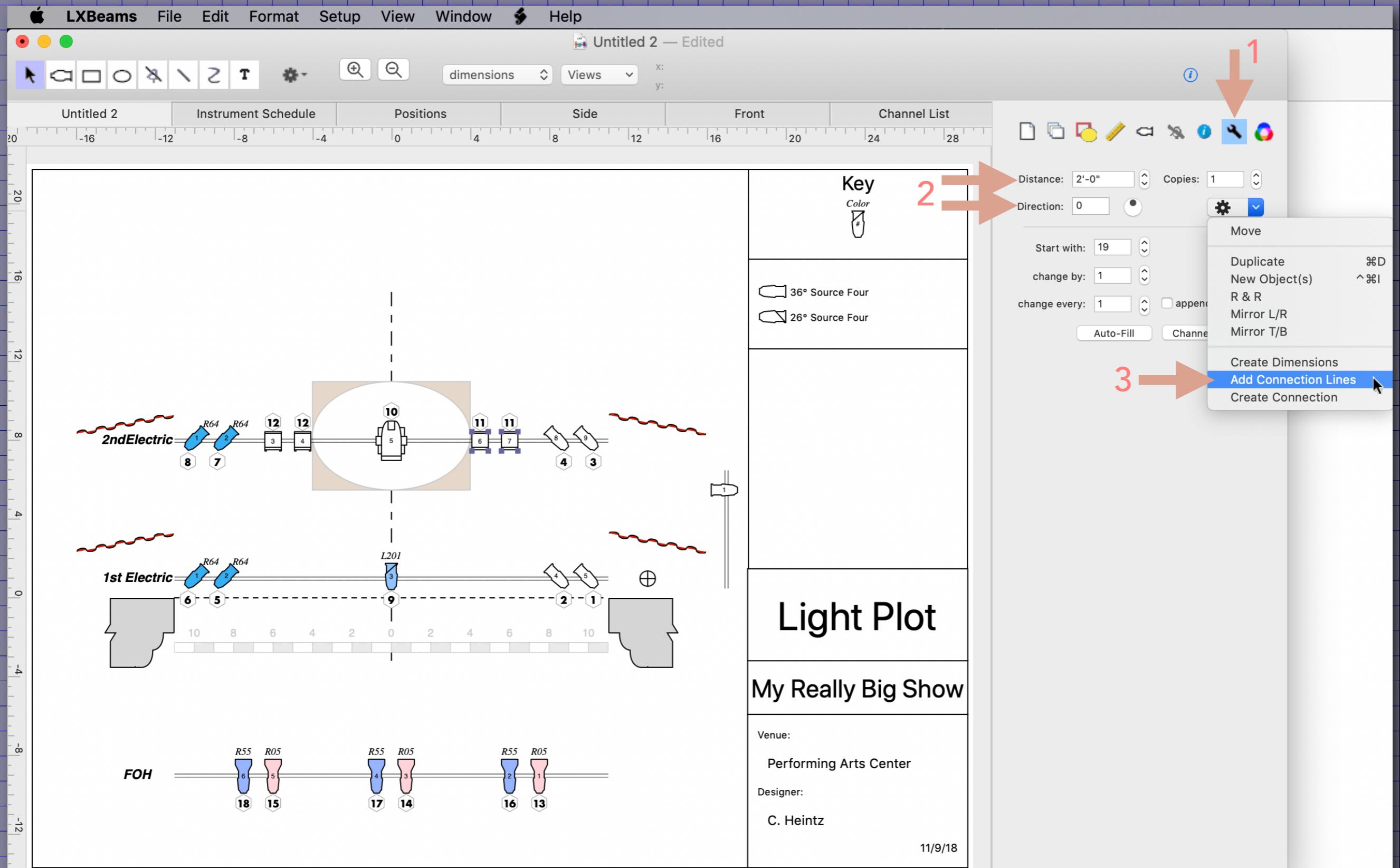
My Really Big Show

Venue:
Performing Arts Center

Designer:
C. Heintz

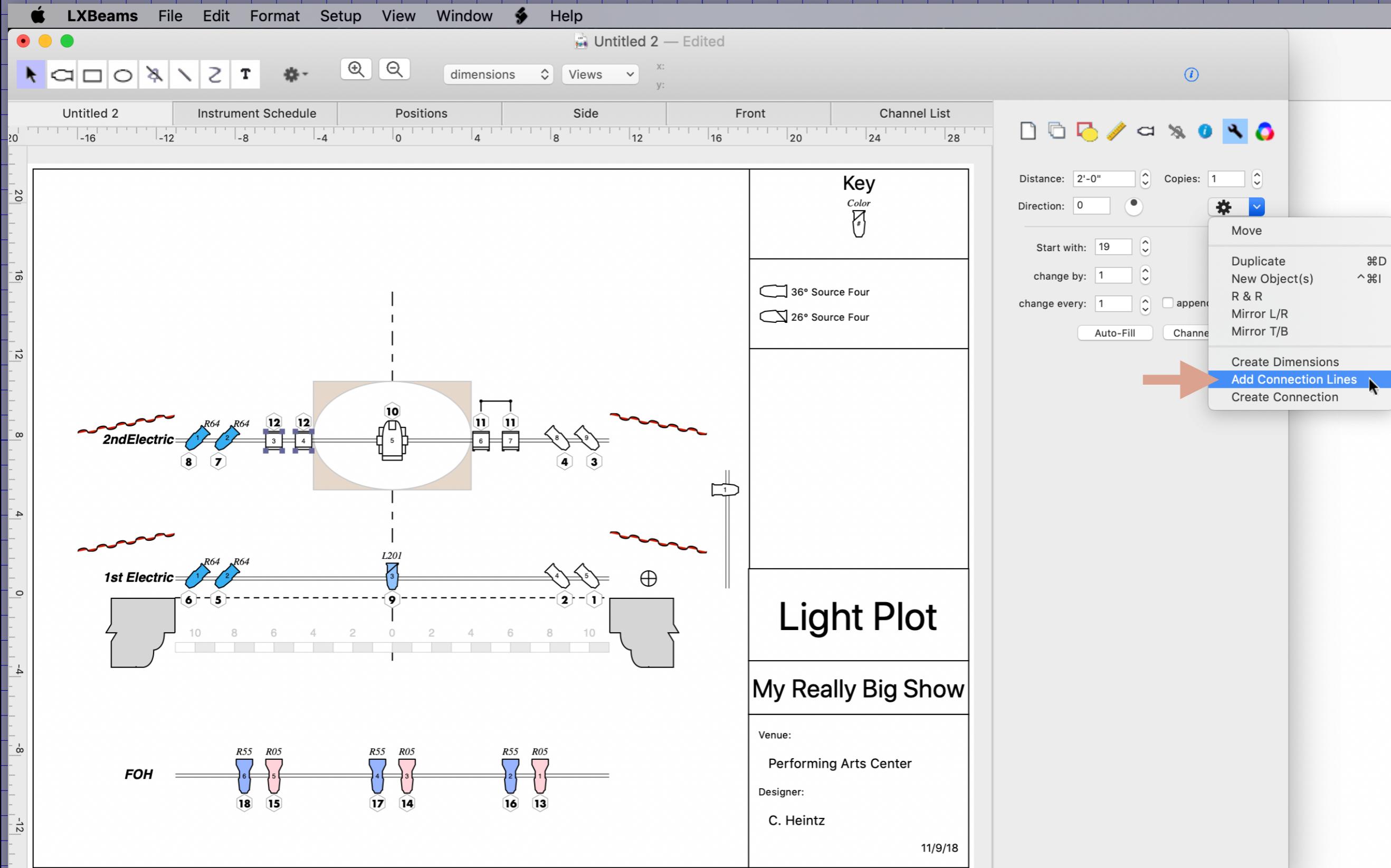
11/9/18

In the Tools tab, set the distance to 2'-0" and the direction to 0.



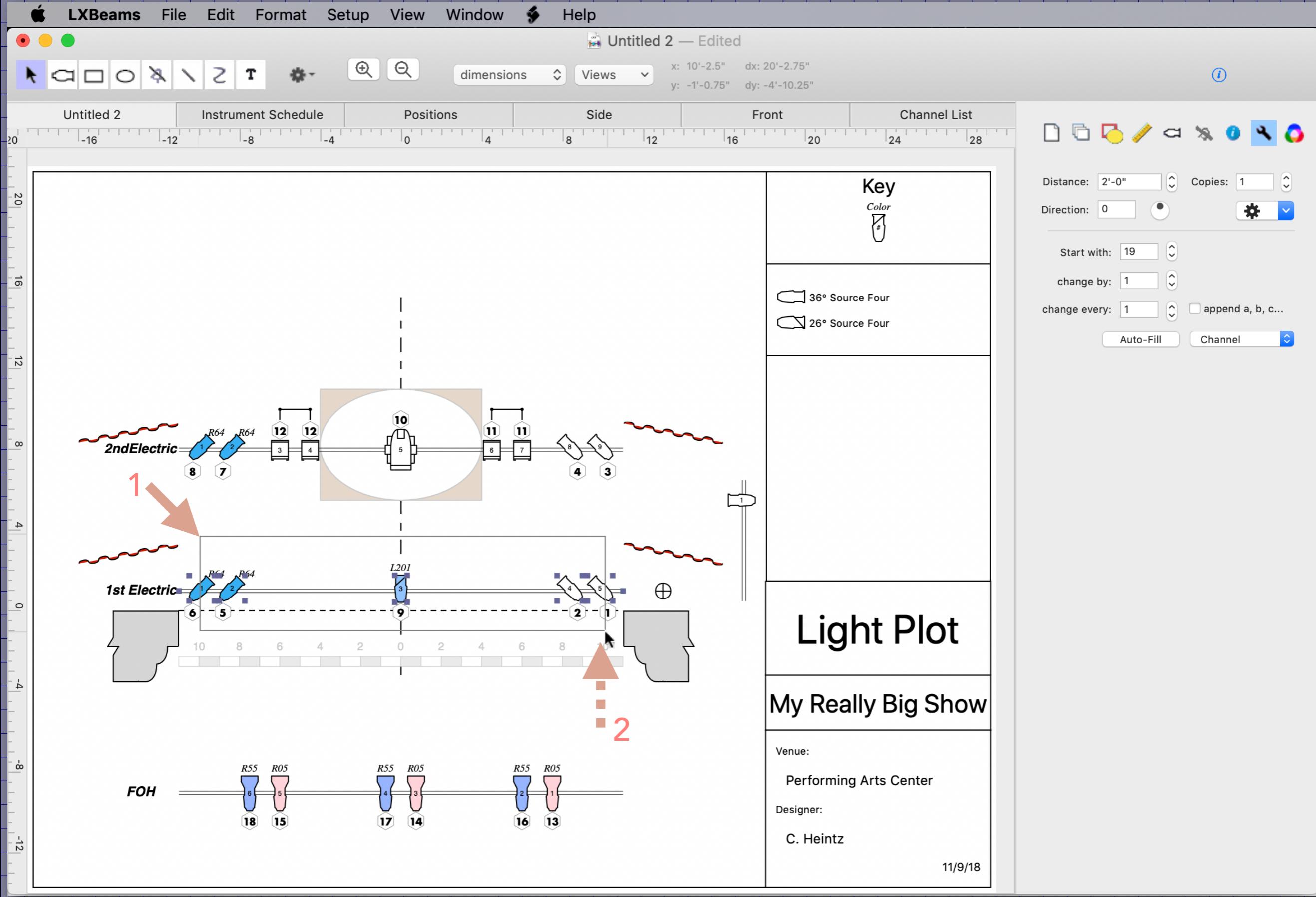
Then, select "Add Connection Lines" from the popup menu.

Select the two channel 12 lights and repeat.

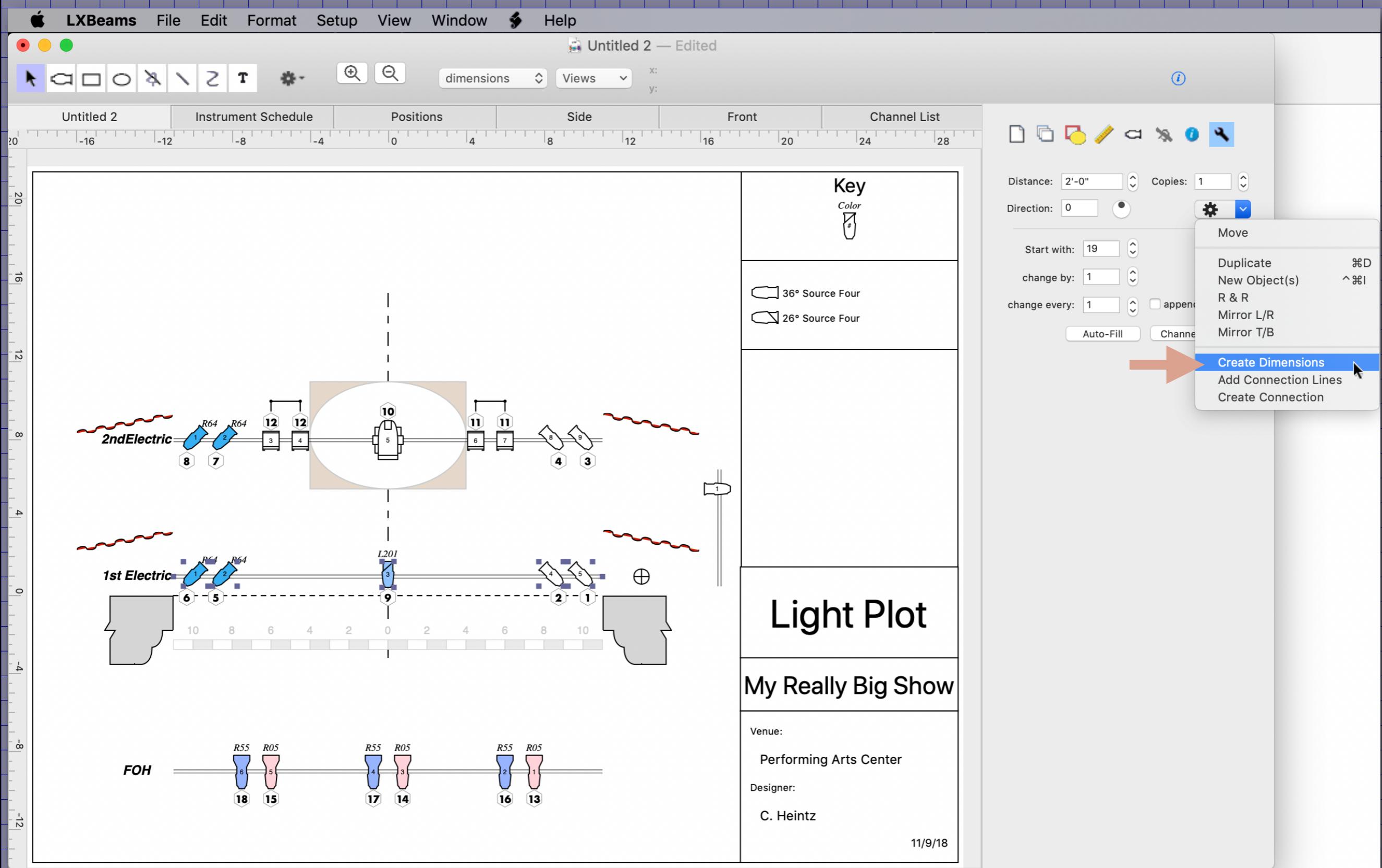


Then, select “Add Connection Lines” from the popup menu.

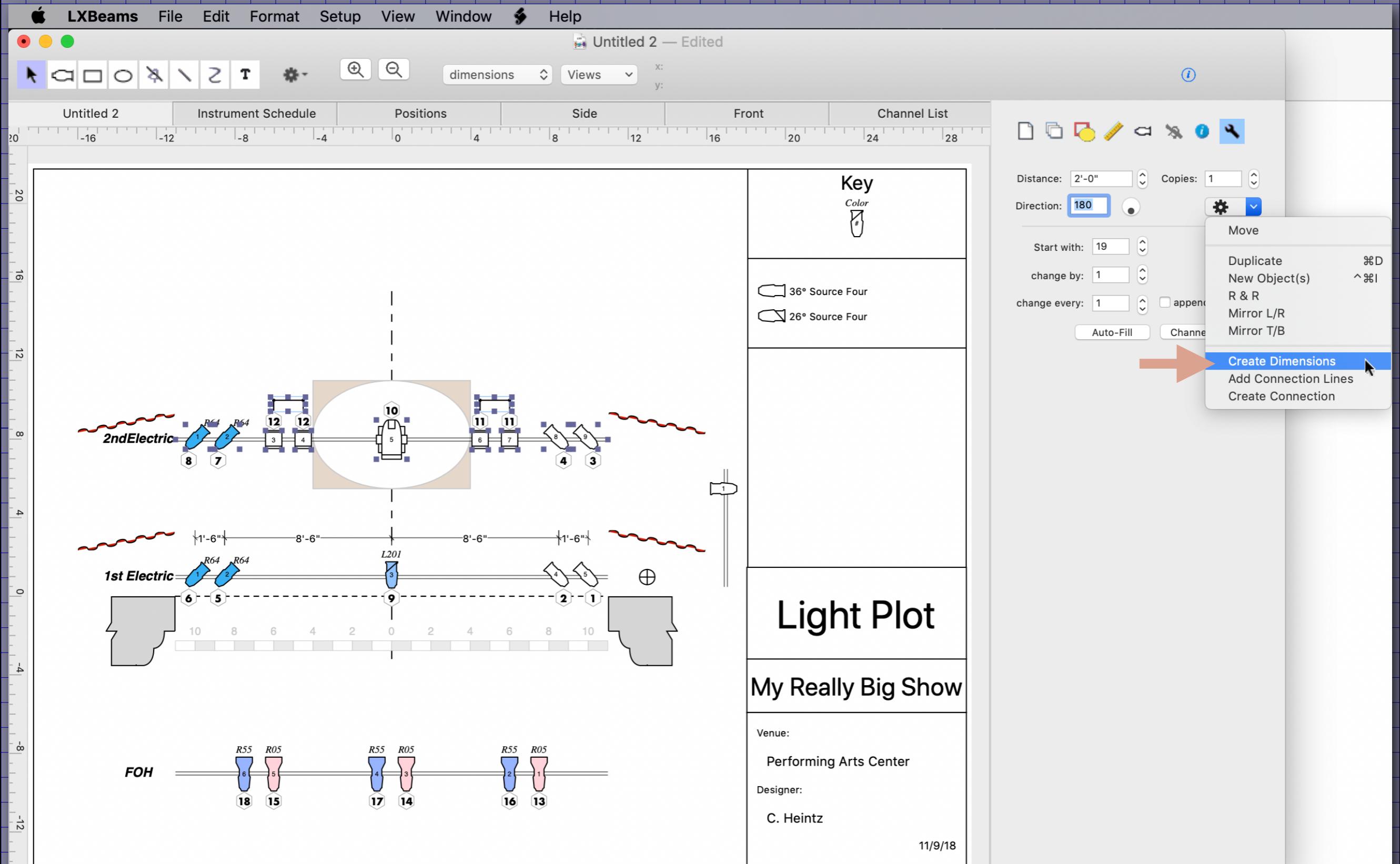
Drag the Arrow tool to select the entire 1st Electric.



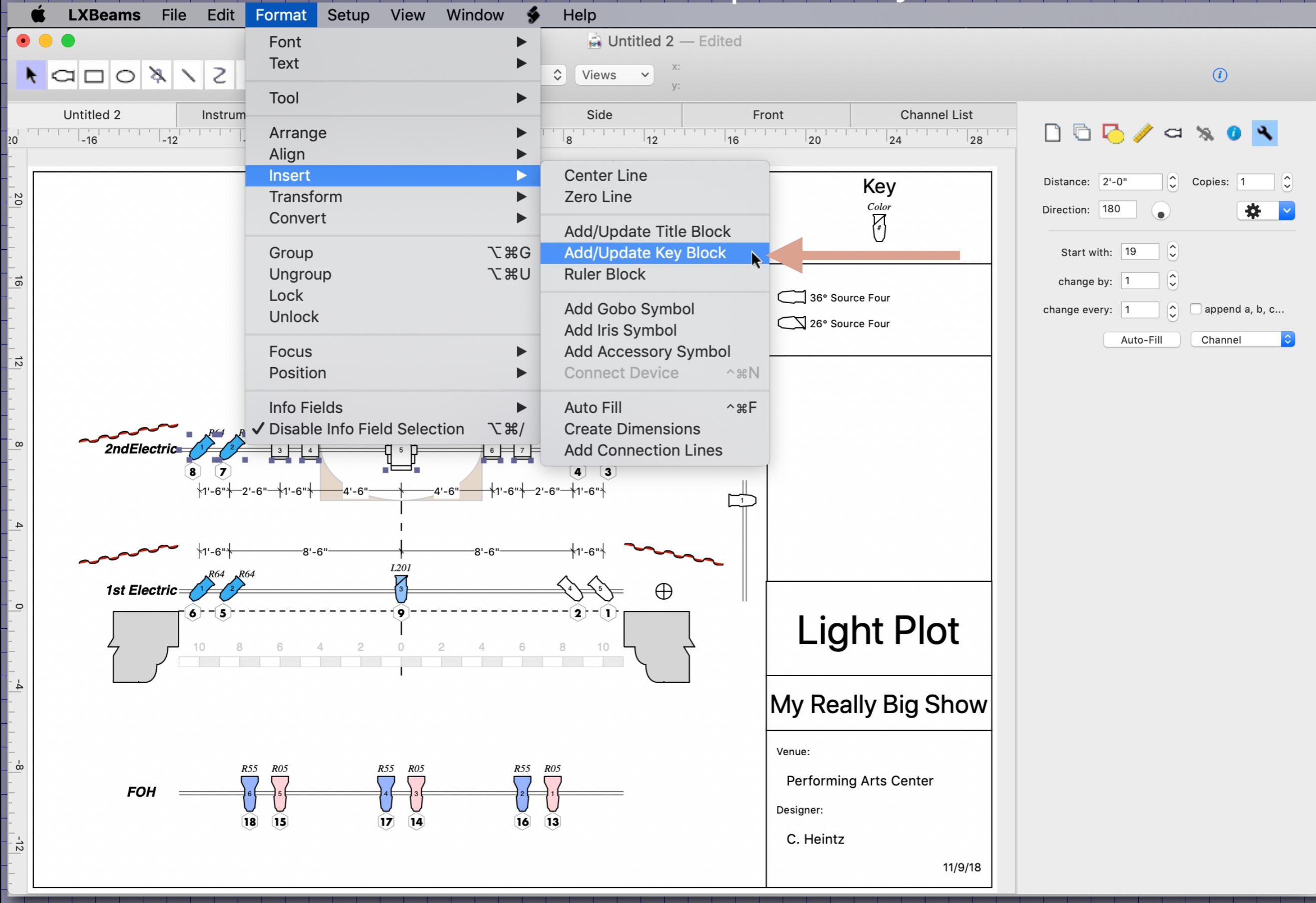
Choose “Create Dimensions” from the popup.



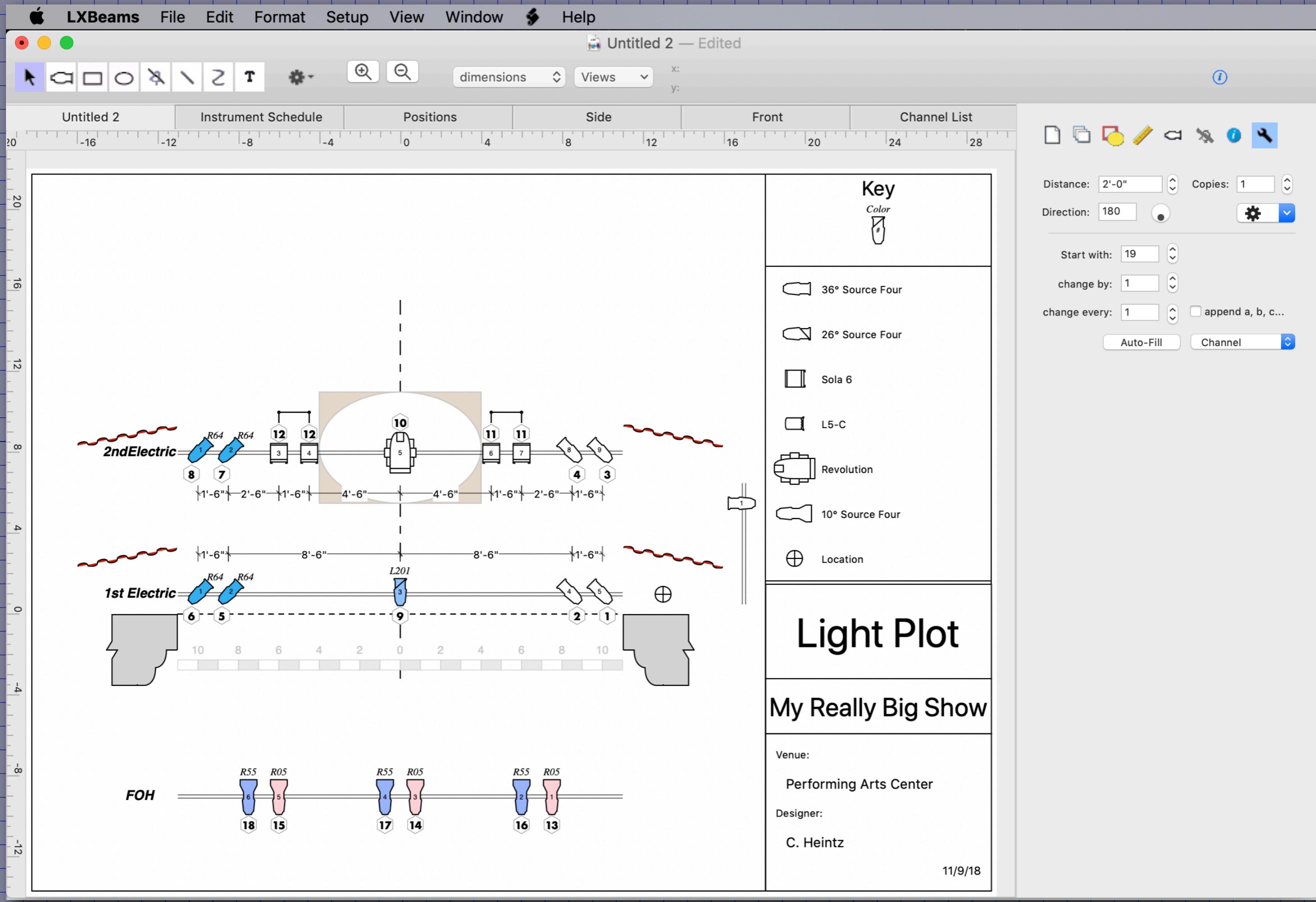
Repeat, selecting the entire 2nd Electric and using Create Dimensions.



Select the Format→Insert→Add/Update Key Block command.



This is the complete draft plot.



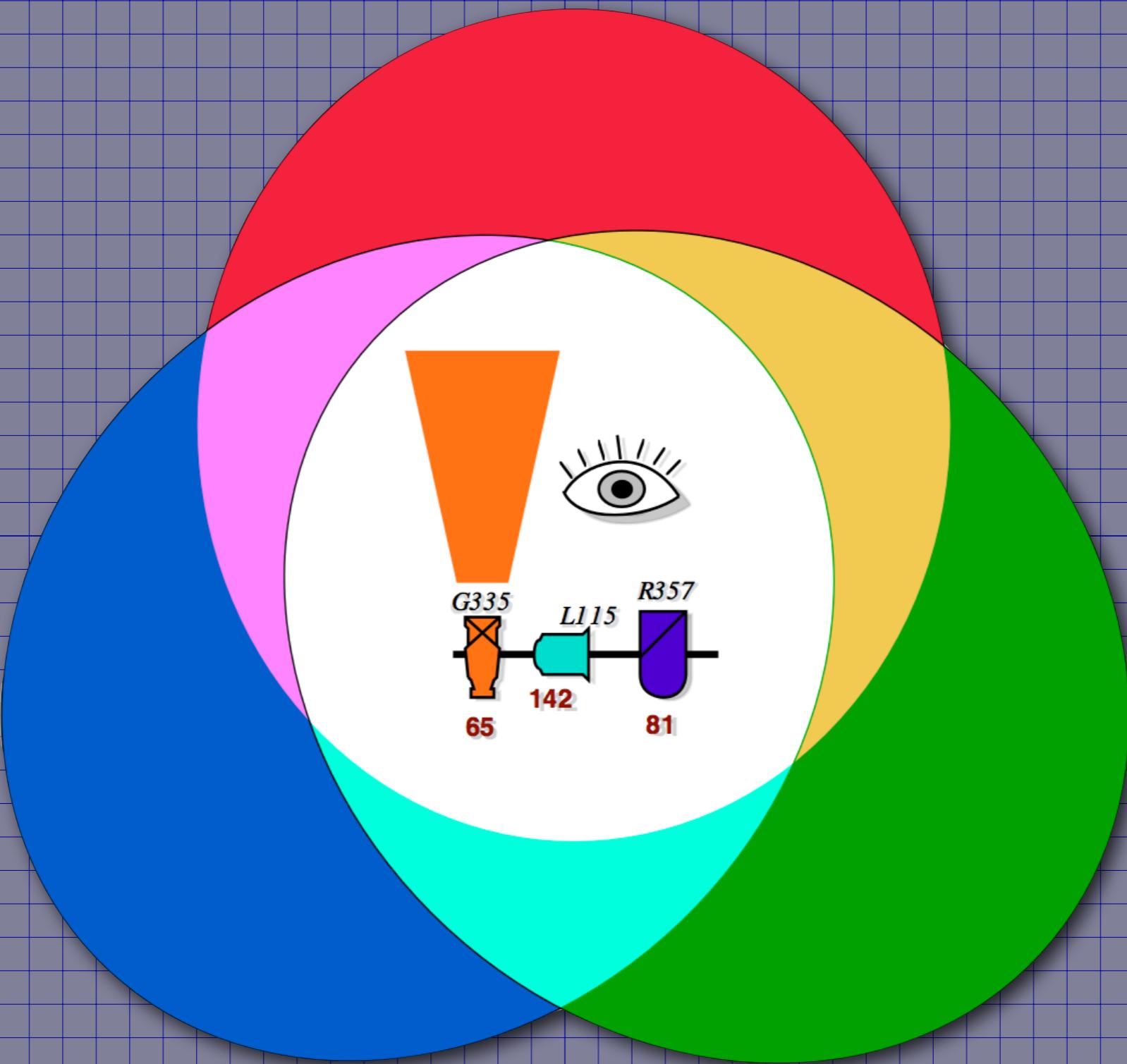
In this section we've looked at some ways to speed up the process of creating a plot.

- The tools tab allows you to precisely duplicate and mirror lights.
- Auto-fill allows a sequence of channel numbers to be assigned to lights in the order they are selected.
- Dimension and connection lines can be automatically generated.

Try It Yourself

- Start with a new file
- Import the Exercise-2 Interior Set PDF
- Add some lights for the backing
 - (You'll want to load a key and create a layer)
- Assign channels
- Add dimensions showing the spacing

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