

This lighting packet has been put together to help assist you in working here at the Solano Community College main stage theatre. Please carefully look over this document as it contains pertinent info regarding the space and available equipment. (For those of you that have worked in this space before, please feel free to provide any thoughts or words of wisdom – this is, and always will be, a work in progress.)

A complete light plot is due to the Master Electrician on the due date.

By the first tech, a first-draft cue sheet is due; by final dress a final cue-sheet is due. (These are to assist the SM and LBO during techs and photo calls.)

A “complete” light plot constitutes the following:

- 1) ½” scale lighting plot (computer or hand drafted), fully labeled. This means each instrument should include a channel number, a dimmer number, a unit number, and barn doors/gobo/FX unit if applicable. (VectorWorks is our preferred format.) Please leave circuit numbers blank for the ME to fill in.
- 2) Channel Hookup and Color Count, to include the following information:
  - Channel
  - Dimmer
  - Purpose / focus notes
  - Position (1<sup>st</sup> Elec, FOH, Box Boom, etc)
  - Unit number (units should be numbered SR to SL on each pipe)
  - Instrument Type (6” Fresnel, 19 degree S4, etc)
  - Color
  - Gobos

1 & 2 can be substituted for a VectorWorks plot. Lightwright is the preferred hook-up format. Please e-mail these files to the ME.

It is vital that a plot and completed hookup are turned in on the due date. The lighting department gets very little prep and work time before a show goes to tech, and we must be ready with cues for the first tech.

<u>instrument</u>	<u>Wattage</u>	<u># available</u>
6" Fres (Altman)	750W	5
6" Fres (Century)	750W	14
8" Fres	1kW	10
Altman 20-40 Zooms	1kW	8
Altman 6x12	750W	2
Altman 6x16	1kW	23
beam projectors	1kW	3
Century 2x6	750W	6
Century 6x6	750W	32
Century 6x9	750W	23
ETC S4 26	575W	27
ETC S4 50	575W	4
PAR-64	1kW	30
Scoops	750W	6
Ianero Sky Cyc (2 cell)	1kW	5

Century Ground Cyc (2 Cell)	1kW	5
MR-16	100W	4
Q-Lite (Mini-10's)	1kW	3
R-40 Strips (3 circuit)	600W	7

Some notes on the in-house instruments:

1. Century 6X6 units have the same field angle as a normal 6 X 12 (28°; Beam angle is 18°). These units incorporate stepped lenses, and do not project patterns well. They do not focus to a hard edge. Their shutter cuts are marginal. Source fours are preferred for image projection.
2. R-40 Strip lights have both hanging irons and floor trunnions.
3. Strip lights are 150 watt floods, with 4 lamps per fixture.(600W per color per unit)
4. Strip lights are 6' long with 3 circuits. We have red, yellow, and blue spread roundels in stock (check on quantity early.) We have gel frames for them as well.
5. The inventory can be augmented, to some extent, from our other space with additional S4's, fresnels and S4 PARs. However it is meant as supplement, not replacement for, the native inventory. Discuss additional equipment needs with the ME.

### **Dimming and Circuiting**

The SCC Theatre has an “older” style dimming system with a plugging patch bay to connect circuits to dimmers. The space is outfitted with only 50 dimmers, of varying capacities as noted below. There are 184 circuits, of which 20 are “unknown” (meaning they exist on the patch bay but are not hardwired anywhere in the theatre). The pipe locations for circuit ranges are listed below. Be aware that you cannot have more dimmer than circuits on a given pipe. All circuits are rated for 2kW, except for multi cables, which are rated at 1.6kW.

There are 4 circuits available on the grid which can be dropped to battens if additional electricians are required.

In addition to the original 50 Dimmer system we have an ETC portable 24-dimmer pack. This is located in the Front of House Beams. These dimmers are rated at 1.2 kW and cannot be “Repatched” since they do not run through the original patch system. Keep in mind that these dimmers can only be used for FOH 1 & 2, the AUX and the Stage Right Box Booms.

We also have 4 Leprecon Satellite packs with 4 dimmers each, run off of two breakers. The maximum load per breaker is 1.8kW. These packs must be run off of Non-Dim power or wall outlets. Please confer with the ME if you intend to use these packs.

Because of the small dimmer-to-circuit ratio, some shows will require in-show re-patching. Re-patching is accomplished by re-plugging circuits into the dimmers. Circuits may only patch into one dimmer! Patching circuits are labeled with colored tape to identify the dimmer, with each group labeled (usually A-D). Please be aware that if a show requires re-patching, time for that re-patch is needed. Don't have a re-patch occur and give your crew only 10 seconds between

cues to complete it. Everyone is happier that way. See the attached patch sheet as an example of organization.

Dimmer	Wattage	# of Circuits accepted	Notes
1-36	4 kW	4	#24 & #29 accept 3 circuits
37-46	6 kW	6	
47-50	12 kW	8	
51-54	House lights	N/A	#54 currently w/out dimmer
55-57	3.6 kW	4	Non-Dim
58	7.2 kW	8	Non-Dim
301-324	1.2 kW	24	Dimmer Pack Located in FOH

Location	Circuit #	Location	Circuit #
1st house	1-20	2nd house	21-34
1 Box Boom Left	35-38	1 BBR	39-42
2 BBL	43-48	2 BBR	49-54
3 BBL	55-57	3 BBR	57-60
1st Electric	61-86	2nd Electric	87-102
3rd Electric	103-118	4th Electric	119-137
Unknown	138-142	Grid	143-146
Stage floor pockets	147-164	Unknown	165-170
Stage floor pockets	171-173	Booth 30 Amp circuits	174-175
Unknown	176-184		

#### Notes:

1. Follow spots are two Source 4's (any degree you want, 19's are best usually) with drop in Irises), positioned in the booth. They have both manual dimmers but can be run through the board. Operators will switch gel colors as required; they are cued to do this by light board cues over the intercom.
2. We have 13 scrollers which can be mounted in 6" or 7 1/2" instruments. We have two sets of scrolls with the following Rosco colors: A- 312-Canary, 18-Flame, 21-Golden Amber, 321-Soft Golden Amber, 25-Orange Red, 332-Cherry Rose, 39-Skelton Exotic Sangria, 42-Deep

Salmon, 49-Medium Purple, 50-Mauve, 56-Gypsy Lavender, 64-Light Steel Blue, 68-Sky Blue, 76-Light Green Blue, 389-Chroma Green, 90-Dark Yellow Green | B - 00-Clear, 312-Canary, 23-Orange, 21-Golden Amber, 26-Lt Red, 27-Med Red, 339-Broadway Pink, 49-Med Purple, 56-Gypsy Lavender, 382-Congo Blue, 77-Green Blue, 68-Sky Blue, 80-Primary Blue, 73-Peacock Blue, 93-Blue Green, 90-Dk Yellow Green, 321-Soft Golden Amber, 39-Skelton Exotic Sangria, 42-Deep Salmon, 343-Neon Pink. But note that the A set has become somewhat burnt.

For the scrollers we have two, two-line control boxes. Each electric requires its own line and lines cannot cross the proscenium.

3. We have 6 Blue/Lavender stippled Colorizers in stock for your use with Sour Fours.
4. We have many gobos in stock, please check with Master Electrician for current quantities and inventory.
5. We have several atmospheric effect units. Currently they are:
  - 2 x Aquafog (dry ice machines)
  - 2 x LeMaitre NeutronXS hazers
  - 1 Citi Little Blizzard Snow Machine.
6. We have several sizes of clear Christmas lights (mini and C-9 base)
7. Strand 6" Fresnel do not put out as much light as the 6" Fresnels of Altman & Century Manufacture.
8. Photometric data, manuals, or any informative information about equipment is available on request.
9. We have a decent stock of special effects equipment available for use. Check on availability with the ME. They include the following:
  - 1 Rosco Vortex 360 Dual Rotator
  - 2 GAM Film/FX
  - 2 Slide Projectors
  - 1 Slide Projector Fader
  - 4 Novatron M120S Photo Strobes
  - 1 VEI Super Flame
  - 1 Wildfire Long Throw Blacklight
  - 1 Hitachi LED Projector
  - 1 Elation Proton Star DMX Strobe Light
  - 2 DVD Players
  - 2 8" Mirror Ball & Pinspot
  - 2 12" Mirror Balls & Pinspots
  - 8 Fluorescent Black Lights
  - 2 Apollo Smart Move DMX Gobo Rotators
  - 4 Rosco I-Cues
  - 2 Star Strobes

Dimmer	Cue #								
		17	28	36	40	45	56	70	87
	15	A	A	<b>B</b>	B	B	B	B	B
	20	A	A	A	<b>D</b>	D	D	D	D
	23	A	A	A	A	D	D	D	D
	27	A	<b>B</b>	B	B	B	<b>A</b>	<b>B</b>	B
	31	A	A	A	<b>B</b>	B	B	B	B
	32	A	A	A	<b>B</b>	B	B	B	B
45	A	<b>C</b>	C	C	C	C	C	C	
50	A	A	<b>D</b>	D	D	D	D	D	