Day Five: Lighting Design By: Ms. Hayes, Mr. Meyer, Ms. Yung

Learning Target: How to fill out a data sheet

Lighting for Stage

Explanation of Data sheet

- The instrument number refers to the number inside the instrument.
- Type refers to the type of instrument. Fresnel, ERS, Scoop...
- Location means where the instrument is hanging
- Area means where the instrument is focused
- Color name & number needs the number of the gel and its name. You only have to put the name on the first time you use it.
- Circuit refers to where you plug it in (explained in slide after data sheets)
- Lamp refers to the total watts in the instrument. This can vary, but for our purposes we will assume ERS & Scoop are 1,000 watts and Fresenels are 750 watts.

Step 7: Fill out the data sheet for each instrument

Instrument #	Type of Instrument	Location Hung	Area Focused	Color Name & #	Circuit # or Address	Lamp Wattage	Notes	
1	ERS	R Rail	A	02 B. Amber	61	1000		
2		.,	A	321 S. Golden Amber	62	14		
3	4.4	4	B	02	63	- 11		
4	F4.	10	B	321	64	4		
5	-	RCAT	С	02	75	14		
6		-	C	321	77			
7		u	D	02	77			
8	4	h	D	321	78	-		
9	11	LCAT	A	365 Thaven De / At Blue	79	11		
10	14	a series	A	83 medium Blue	80			
//		н	B	365	81	d		
12		. 15	B	83	82			
13	**	L Rail	c	365	68			
14	15	11	С	83	69	11		
15	**		D	365	70			

2nd sheet

Instrument #	Type of Instrument	Location Hung	Area Focused	Strument Data Sheet Color Name & #	Circuit # or Address	Lamp Wattage	Notes
16	ERS	L Rail	D	93	ור	1000	
17	Fresnel	1 Elec	E	02	4	750	
18	0	10	e	321	5		
19	10	-	F	02	10		
20	*1	4	F	321	П	4	
21	0		E	365	12	L1	
22	16		e	83	13	D	
23	10	14	G	02	16	Li	
24	11	11	G	321	17	-11	
25	11	1 _K	F	365	18	11	
26		14	F	83	19	X1	
27.	- M - 1	. 11	G	365	23	0	
28			G	83	24	11	
29	Scoop	2 Elec	A	339 Broadway Pink	26	1000	
30	Freshel	11	14	02	27	750	1

SHATE DIG

3rd sheet

Instrument	Type of	Location	Area	Strument Data Sheet Color Name & #	Circuit # or Address	Lamp Wattage	Notes
#	Instrument	Hung	Focused	5 20.0		10	
31	Fresnel	2 Elec	4	321	28	750	
32	Scorp		B	339	30	1000	
33	Fresnel	63	I	02	31	750	
	ti		I	321	32		
34			н	365	33		
35			H	83	34		
36	Scoop		C	339	35	1000	
38	Fresnel		+	365	37	750	
39	Scoop		Ð	339	39	1000	
40	Fresnel	e	I	83	39	750	
41	The second s	3 Gle	E	3 39	44	1000	
42			н	339	46	**	-
43	3 11		F	339	49	U	
44	13 4	11	Í	339	53	11	
45	11	11	G	339	57	11	

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Circuitry

- For the circuitry, determine where each instrument will be plugged in. Use a circuit sheet for the theatre.
- Each circuit will only hold 2400 watts.
- Assume each light has 1000 watts. (Some have 750), but in order to make sure a circuit is not overloaded, assume the highest amount, unless you know for certain.
- Each theatre will have its own circuit layout. This is the circuit sheet used for the sample plot in this lesson for the data sheet.

			<u>WC</u>	HS	Audit	ori	um C	ircu	uitry	inclu	ding	g LE	D pl	ace	mei	nt		
									3 rd Electr				-					
	41	42	43 44	45	46 47	48	49 50	51	52 53	54 55	5 56	57	58 59	60				
			185	186	187	188	189190	191	192 193	194 195	196	197	198 199	200				
									2 nd Elect	ric								
	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40		
	173	174	175	176	177	178	179			180	181	182	183			184		
									1 st Electi	ric								
	1	2	3 4	5	67	8	9 10	D 11	12	13 14	15	16 17	18	19 2	о 2	21 22	2 23	24
				165	166 1	67		168	169			170	171	17	2			
R R	AIL														l	RAIL		
61		R Catwalk							L Catwalk						68			
62		75 76 77 78									79	80 81	82		6	69		
63					161 16	62					163	164			7	70		
64															7	71		
65		House Li								hts					7	72		
66							ł	86 87 8	8 89 90 9	1 92 93 94	95				7	'3		
67																		

LED lights are 100 + numbers

Reflection/Activity:

WOW, who knew that lighting a show involved so many forms, so much planning, so much organization. That is a lot! After watching the video, reflect and write on the following:

What steps does a lighting designer take before they ever start the physical act of hanging and focusing lights? Why is this important to the process of a show!

Now you know the basics! Next, lesson we will start practicing developing our own lighting design process!!!!

Annie Wiegand on her Lighting Design Process

