THEATRE ROYAL, DRURY LANE.

PROPOSED STAGE LIGHTING SCHEME.

Position.	Apparatus.	No. of dimmer ways.	Dimmer Load.	Total Load.	Remarks.
Upper Circle	~~18~~ 16 Patt.73 1000w. Mirror Spots (with 4 colour solenoid changes.)	~~8~~ 4	~~3~~ 4 Kw.	~~18~~ 16 Kw.	This housing to be mounted in centre of circle, space to be allowed for two special lanterns to be added later. Lanterns to be wired in alternate threes A + B.A + B.A + B. Left. Centre. Right
Dress Circle	16 Patt. 73 1000 w. Mirror Spots (with 4 colour solenoid change.)	4	4 Kw	16 Kw.	8 Lanterns in two housings one at each end of the circle, spare for extra lantern in each. Lanterns to be wired in alternate fours. A + B. Left. A + B. Right.
Boxes	~~8~~ 12 Patt.~~73 1000~~ w. Spots, of ~~special~~ Special Pageant design.	4	2 Kw.	8 Kw.	These lanterns which should be level with the 2nd. tier boxes may have to be specially designed, due to lack of cover. They are wired in pairs left to right A + B.Left. A + B. Right.
Footlight	A.l. type as at present with 100 w.(centre (assume 84 compartments.) lamps (ends	4 8.	900 w) 600 w)	8.4	If there is sufficient space, when in the down position to allow a mirror and baffle indirect footlight, then 150 w. lamps should be used. A convertible direct - indirect float would be most useful.
Boomerangs	~~8~~ 8 Patt.50 Pageant lanterns 1000 w.	4	2 Kw.	8 Kw.	These lanterns are to be mounted high immediately behind the pros, they are to light the first 6 ft. of the stage from the side. They remain fixed and are wired in pairs left to right. A + B left. A + B. right.
Perches	8 Patt. 100, 2 Kw. Focusable Soft Edge Spots mounted 4 either side on movable towers (plug points.)	8	1.5 +	16 Kw.	The perches should take the form of movable towers and together with the bridge should make an adjustable framing to the proscenium opening. This should be as far down stage as the curtain arrangements will allow. The whole to be similar to that at San Carlos, Lisbon. All lanterns are connected by plug points giving the utmost flexibility.
Bridge	20 plugs all individual circuits 10 Patt.73 Mirror spots, 10 Patt.43s, 2	20	1.5 +	40 Kw.	
	6 Kw. Transformer dimmer points	2	6 Kw(T)	12 Kw	
	c/f.	60		126.4	

Position	Apparatus	No. of dimmer ways.	Dimmer Load	Total Load.	Remarks.
	B/f.	60		126.4	
Batten 1	40 Patt. 30 500 w. floods (centre (ends	4 8	2 Kw.) 1.5 Kw.)	20 Kw.	This flood batten hangs immediately under the bridge, but from separate lines. Some floods may be removed and spots inserted when a production may not been the bridge.
Batten 1A.	Provisions (dimmers and connector box- for 36 ft. 4 colour 150 w. Magazine batten	4	2.25	9 kw.	Connections are provided should a magazine batten be required either down stage or up stage of No.1. For example in a production with an elaborate false pros. and no house tabs.
Batten 2.	28 500 watt floods in 4 colour units, between these units 12 Patt. 56 1000 watt Acting Areas in pairs 46' 0" long undersides of all floods level.	4 12.	3.5 1 Kw.	14. Kw. 12. Kw.	To save space the 500 watt floods are to be made in 4 colour units. The Acting Areas are grouped in pairs but are all on separate dimmers. A switch will cut off the flood at each end on each colour when required. This will also apply to Battens 1, 4 and 6.
Batten 3	~~Magazine 150 w. Batten 4 Colour 45'0" long~~ do	4 12	~~2.8 Kw.~~ 3.5 1 Kw	~~11.3 Kw.~~ 14 Kw. 12 Kw	(Ultimately it may be desirable to substitute a flood and (AA. batten for Batts. 3 & 5. Therefore provision will (be made for the extra controls and dimmers on the switch- (board. This would make a total of 60 Acting Areas, (which would be in keeping with the modern practice of (lighting actors and scenery separately
Batten 4.	28 500 watt Floods in 4 colour units	4	3.5	14 kw.	(
	12 Patt. 56 1000 w. Acting Areas 46' 0" long.	12	1 Kw.	12 kw.	(
~~Batten 5~~	~~Magazine 150 w. Batten 4 colour 45'0" long~~	~~4~~	~~2.8 Kw.~~	~~11.3 Kw.~~	
Batten 5	28 500 watt floods in 4 colour units	4	3.5	14 Kw.	
	12 Patt. 56 1000 w. Acting Areas 46'0"long	12	1 Kw.	12 Kw.	
Cyc AA Batten	Six Patt 56 hung in Separate B unit	2	3.0 Kw	6 KW	To be hung 7 feet off the cyclorama face
Batten 6 or 7.	/- Magazine 150 w. Batten 4 colour 45'0" long	4	2.8 kw.	11.3 kw.	Both Batten 5 & 6 hung close together 5 feet off the cyclorama
	/- " " " " " "	4	2.8 Kw	11.3 "	
	c/f.	~~146~~ 150	-	~~2680~~ 288	

Position	Apparatus	No. of dimmer ways.	Dimmer load	Total load	Remarks.
		~~150~~ 180	-	~~26270~~ 288	
	B/f.	~~150~~	-	~~2675~~	
Batten 8	~~Magazine 150 w. Batten 4 colour 45' long~~	~~4~~	~~2.8 kw.~~	~~11.3 kw.~~	
" 9	" " " " " "	4	2.8 KW	11.3	
Cyclorama (Top)	80 Patt.55 500 w. Floods & 8 Panorama floods 1,000 watt 4 at each end.	4. 8.	5 kw. 3.5.	48 kw.	) The minimum positions of this batten would be 12 ft. from) the cyc.; that is in the present position of Batten 6.) As all battens should move at least 2 ft. down stage,)these will clear one another. Should it be desired) to retain the present Blue Panorama batten (50 kw.) a) double row 500 watt Magazine batten will be necessary) to supplement it with light blue, red and green.
Cyc. Trucks.	4 12 ft. lengths Double Row Ground row mounted on castors, 100 watt lamps. supplied from 4 special 4 colour dips	4 4	2 kw.) 2 kw.)	16 kw.	
Lighting Galleries	4 sets of 4 plugs in parallel P.side 4 " " " " " " OP.side 4 Patt. 5 KW. 5 Kw. Focusable Soft Edge spots 4 " 100 2 kw. " " " "	4 4	6 kw(T) 6 kw(T)	48 kw	The plugs on these galleries are not only to feed lanterns on the galleries but also extra hanging apparatus. The four 5 kw. Focusable Soft Edge Spots may be used for very heavy directional light such as sunlight.
Stage Dips P.	Down and Centre 4 sets (colours) of 3 plugs in parallel with 4 6 kw. transformers Up and Centre 4 sets (colours of 3 plugs as above.	4 4	6 kw(T) 6 Kw(T)	48 kw.	)This arrangement of dips will give 6 4-colour plugs each)side capable of taking 48 kw. and controlled from 8 dimmers)A total of 96 kw. and 16 dimmers for stage dips between)float and panorama. The dimmers being transformers)can dim any load from 100 watts to 6000 equally well.))))
Stage Dips O.P.	Down and Centre (as above.) Up and Centre (as above.)	4 4	6 Kw(T) 6 Kw(T)	48 kw.	)
Tower Dips P.	3 special 4-colour dips Up, Down & Centre	12	1.5½	24 kw	)It might be advisable to feed the towers from the lighting)gallery to clear the stage of trips as far as possible, on)the other hand leads are easier detached if the dips are)in the stage floor, after all it may be necessary to strike)the towers completely. The exact height will need careful)consideration, the purpose of the tower being to bridge the)gap between lighting gallery and stage floor. The lowest)Patt 100 being 10 ft. from floor, wing floods etc. fed from)the ordinary dips should be able to stand or hang inside)the lower part. Light construction on the lines of those) at Caumont State. Though the dimmer will not normally be used on these di it will be useful for general fade outs & ins. The tra former dimmer will be effective whatever the
OP.	" " " " " "	12	1.5½	24 kw.	
	4-18 ft. Towers each with 4 Patt.100 2 kw. soft Edge Spots.				
Accessories	4 float spot plugs in footlight separate sw.) 2 plugs in Upper circle housing separate sw.) 1 2 plugs in Dress Circle Housings " ") 6 stage dips 3P & 3 OP for Decorating fittings etc:) 1 6 ply dips (Lighting Gallery) 3P & OP. do.)		6 kw(T) 6 kw(T)	6 kw. 6 kw.	
	c/f.	220 ~~270~~		556 3 ~~546~~ 6.	

Position	Apparatus.	No. of dimmer ways.	Dimmer load	Total load.	Remarks.
	b/f.	~~224~~ 220 ~~210~~	-	~~569.3~~ ~~546.6~~ 556	
Special Effect	Stage Terminals P. 6 kw. Transformers	4	6 kw.(T)	24 kw.	This provides a further load of 96 kw. on 16 dimmers wiring would be temporary to cope with special requirements of a particular production.
	" " OP. 6 kw. "	4	6 kw.(T)	24 kw.	
	Light Gallery Terminals P. "	4	6 kw.(T)	24 kw.	
	" " " OP. "	4	6 kw.(T)	24 kw.	
CLOUDS	On Cyclorama Top Bank 6 Patt.51 with still Clouds Slides	6	1 kw.	6	
Special Mains	2 100 amp points with contactor switches on the rear wall of stage. No dimmers			46 kw.	
	Dimmer Ways	~~[illegible]~~ 232 242	-	~~[illegible]~~ ~~694.6~~ 704	
	Allow further 24 Spares ~~for AA's on Batts.3 & 5~~	24	-	24	
		~~270~~ ~~256~~ 266	-	~~719.3~~ ~~718.6~~ 728 KW	

A R C S E C T I O N.

Position	Apparatus
F.O.H.	5 A.C. SUNSPOTS
STAGE	2 plugs on Stage P. 30 amp each 2 " " " OP " " " 1 " " P.Perch" " " 1 " " OP " " " " 1 " " Lighting Gallery P. 30 amp.each. 1 " " " " OP. " " " Total 240 amps.