

# REGENT THEATRE

## Standard Hanging Plot

The Regent Theatre Stage rigging counterweight system can only be operated by **trained** and duly **authorised personnel**.

System safety factor = **6:1**

Line set spacing = 180mm

Battens are 75mm x 50mm RHS  
Batten length = 19,600mm

Maximum distributed load on each batten = **500kg**  
Maximum point load = **250kg**  
Maximum **Panoramabars** distributed load = **400kg**  
Maximum **Panoramabars** point load = **200kg**  
Maximum out of balance load on **rope lock** = **60kg**  
Empty batten weight = **65kg**

Maximum stage depth, back of proscenium to back wall = 13,500mm

Height under fly floors = 7,800mm

Batten out-dead = 21,635mm (top of batten)  
Batten in-dead = 1,300mm (top of batten)

Maximum drift = 20,335mm

Stage floor to underside of grid = 21,780mm

Width between fly floors = 22,200mm

Proscenium dimensions: width = 12,450mm, height = 7880 mm (centre of proscenium opening)

Front of permanent stage to setting line = 660mm

Maximum supplied weight is 21,050kg evenly distributed between 2 fly floors and the loading floor

Setting line = Back of proscenium at the centreline of the stage

\*Denotes a 360mm gap in proceeding measurement for structural truss\*

Lineset	Distance from Setting Line (mm)	Item	Size	Notes	Weight
FC	70	Fire Safety Curtain			
HC	520	House Curtain			
1	920	No.1 LEGS	9 x 4.5m	NO return arm, opening 14m, start at 3rd tie	
2	1100				
3	1280				
4	1460	LX 1			
5	1640				
6	1820				
7	2000				
8	2180				
9	2360				
10	2540				
11	2720	No.2 BORDER	18 x 5m		
12	2900	No.2 LEGS	6 x 9 m	Return arm opening 13m start 600-800 from stage end	
13	3080				
14	3260				
15	3440	LX 2			
16	3620				
17	3800				
18	3980				
19	4160	TABS		Tab track	
20	4340				
21	4520	No.3 BORDER	18 x 4.5m		
22	<b>*4880*</b>	No.3 LEGS	6 x 9m	Return arm opening 13m start 600-800 from stage end	
23	5060				
24	5240				
25	5420	LX 3			
26	5600				
27	5780				
28	5960				
29	6140				
30	6320				
31	6500	No.4 BORDER	18 x 5m		
32	6680				
33	6860	No.4 LEGS	6x9 m	Return arm opening 13m start 600-800 from stage end	
34	7040				
35	7220				
36	7400	LX 4			
37	7580				

Lineset	Distance from Setting Line (mm)	Item	Size	Notes	Weight
38	7760				
39	7940				
40	8120				
41	8300				
42	8480				
43	8660	No.5 BORDER	19x3.3m		
44	<b>*9020*</b>	No.5 LEGS	9 x6m	Return arm opening 13m start 1000-1200 tie back at centre	
45	9200				
46	9380	LX 5 (cyc lights)			
47	9560				
48	9740				
49	9920				
50	10100				
51	10280				
52	10460				
53	10640	No.6 BORDER (2xold)	2x1360x3.1m		
54	10820	No.6 LEGS	9 x 4.5m	NO return arm, opening 13m, start at 3rd tie	
55	11000	CYC			
56	11180	SMOTHER (tabs)	2x9x9m		
57	11360				
58	11540				
59	11720				
60	11900				
OP1		Onstage OP pan bar			
61	12260				
OP2		Offstage OP pan bar			
62	12620				
PS1		Onstage PS pan bar			
PS2		Offstage PS pan bar			