



new  
Wimbledon  
Theatre

The Broadway  
Wimbledon  
London  
SW19 1QG

# Technical Specifications

August 2010

### MAIN STAGE

Grid Height	:	15.8m
Proscenium Width (Structural)	:	10.38m
Proscenium Height (Structural)	:	6.3m
Width - Centre Line to Stage Left	:	11.42m
Width - Centre Line to Stage Right	:	10.23m
Distance between Fly Galleries	:	17.87m
Back Wall to Back of Safety Curtain	:	12.13m
Back Wall to Front of Stage	:	12.87m

500kg Single Purchase Counterweights (bars 1-24 & 41-58) 42

300kg Double Purchase Counterweights (bars 25-40) 16

500kg Double Purchase Counterweights (SR and SL Up and Down) 2

(Evenly distributed weight **Max point loading 100kg**)

Counterweight Bars - Length : 12.00m  
(With 2m extensions either end. **MAX LOAD WEIGHT 25kg** on extensions)

### DOCK DOOR

Width	:	2.38m
Height	:	3.2m

### ORCHESTRA PIT - Curved front

Maximum Dimensions:

Width	:	9.60m
Depth	:	3.20m
Maximum Travel from stage Level	:	2.43m

### ADVANCED RIGGING POINTS

2 1 Tonne Motors (permanently rigged) (max load 1.5 tonne)

### LOOSE STAGE EQUIPMENT

1 Red Tabs (permanently rigged Bar 1)	:	
1 Hard Black house Header (permanently rigged on Bar 2)	:	
1 Full Black	:	14m x 9m
1 Full Black	:	12m x 6.7m
1 Cyc	:	14m x 9m
5 Soft Black Borders	:	14m x 3m
10 Soft Black Legs	:	8m x 3.5m
2 Black Maskers (Pros)	:	5.8m x 1.8m
4 Hard Black Masking flats	:	Various sizes
25 Stage Weights	:	

### ACCOMMODATION

- 8 Dressing Rooms on two levels (accommodation for 43)
- 3 Chorus Rooms on two levels (accommodation for 20)
- 3 Band Rooms
- 1 Instrument Store
- 1 Green Room
- Visiting Company Manager's Office (Direct Telephone Line 020 8545 7924),  
Wardrobe , Wigs Room and Laundry Room containing 1 Miele Washing Machine, 1  
Whirlpool Washing Machine, 1 Miele Tumble Dryer and 1 Miele Condenser dryer.  
Extra power available.

### LIGHTING CONTROL

- Eos lighting control desk with net mode to facilitate 4 DMX outlets.
- 2 TFT monitors
- 1 ETC radio controlled riggers remote
- 1 Cat 5 tie line from the pit to the Control room
- DMX Tie line from control room to house dimmers
- 4 DMX Tie lines from Control Room to pit.
- 2 DMX Tie Lines from pit to dimmer room
- 1 DMX splitter in dimmer room carrying 1 universe of DMX to various areas around  
the theatre.

### DIMMERS

- DMX to 240 EC90 Dimmers (204 x 2.5k, 36 x 5k)
- 16 Desk controlled Non-Dims (DMX).
- Dimmer outlets mostly on S/L fly floor, but are also located in various areas  
around the stage and auditorium.
- 2.5k dimmer outlets fitted with 15A outlets, 5k dimmers with 32A outlets.

### PRODUCTION DESK

There is a position in the centre of the stalls for a production desk, with 13A  
power, comms and full DMX loom to control room.

### LIGHTING EQUIPMENT

- Permanent FOH rig (please see plan on last page):-
- 20 ETC Source 4 19° 750w Fixed Profiles
- 6 ETC Source 4 25/50° 750w Zoom Profiles
- 2 Rank Strand Patt 223 Fresnels 1000w (Tab dressing)
- 2 Robert Juliet Aramis 2.5kw HMI Follow Spots

### OTHER EQUIPMENT

- 24 Strand Cantata F Fresnels 1200w
- 50 Par 64 Cans 1000w (mostly CP62s - can be changed with advance notice)
- 5 Strand Coda 4 ground row floods 500w per cell
- 6 Thomas 4 Cell Cyc Flood 1000kw per cell
- 20 6 way internally wired bars, 15A outlets socapex multicore and spiders.  
Various lengths of 15A and 13A TRS available  
Various working light (small fresnels, floods and clip on lamps, desk lamps).

**ON STAGE POWER**

1 300 amp 3 phase USR, Power Lock connections  
On the same supply: 1 125A 3PN, 1 63A 3PN, 1 32A 3PN. Access to this is through the stage wall via a 6 inch diameter tube.

- 1 63 amp 3PN Cee Form D.S.L (motor power for FOH)
  - 1 63 amp 3PN Cee Form Sub stage D.S.R
  - 1 32amp and 16 amp 1PN Cee Form (**SOUND POWER**) Sub stage D.S.R
- Various 13A and 15A outlets around stage

**SOUND SYSTEM - MAIN SYSTEM**

- 1 Mackie Onyx 1640 Sound Mixer
  - 2 Martin BX2 bass speakers
  - 6 Martin CX2 mid/high speakers
  - 2 Community Foldback speakers
  - 4 EV Front Fills
- EV Delay Speakers permanently rigged for stalls and dress circle.  
Routing, delay times and EQ are pre-set on Soundweb system.

**THE SOUND CONTROL ROOM AND AMP ROOM**

- 1 Denon CD Player
- 4 Yamaha P3500 power amps
- 2 C-Audio SR606 power amps
- 2 Harrison X600 power amps
- 1 Crest Audio LA901 power amp
- 1 Crest Audio 601 power amp
- 1 Backstage tannoy amp and controller (Mic points at DSL, Prompt Desk and Stage Door)

**LOOSE SOUND EQUIPMENT**

- 3 Shure SM58 Mic
- 2 Shure SM57 Mic
- 4 C451b Condenser Mic
- 2 DI Box
- 6 Straight Microphone stands
- 10 Boom-Arm Microphone stands

**SHOW COMMUNICATION**

Show communication is via a ClearCom configuration, 2 circuit system. All primary show control positions are connected via a radial wiring system (separate, designated runs) to a patch panel Sub Stage D.S.R. It is possible for the system to operate in ClearCom or RTS configurations. It is also able to operate as tie lines to all output locations. All on stage output locations operate on one circuit via 3 pin XLR(ring A or ring B) whereas all FOH locations can accommodate dual circuit via 6 pin SwitchCraft XLR(ring A & ring B)

Beltpacks: 4 Dual Channel, 6 Single Channel and 2 Radio Beltpacks  
Headsets: 8 single ear, 4 double ear.

**CUE LIGHTS**

The show cue light system runs via the prompt desk situated DSL, there are 7 permanent cue light patches installed to the Fly floor, sound control, LX, DSR, USR, DSL, USL. Also available are 6 cue lights points that are patchable in Prompt corner to all areas of the stage and auditorium.

**VIDEO SYSTEM**

Colour camera (permanently rigged on the circle front) to a 14" colour monitor in prompt corner, Crew room, Stage Door and on the fly floor.

**DISABLED ACCESS**

All levels backstage can be accessed via the lift near stage door. All dressing rooms on all floors have level access. There is no access from stage to auditorium for wheel chair users. There is a disabled toilet n the ground floor. On the first floor there is a disabled bathroom (toilet and shower) near to the lift.

**HARD OF HEARING**

We have an Infra-Red system for the hard of hearing which is on for all performances; please ask for more in-depth information.

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**ALL SCALE GROUND PLANS AND CROSS SECTIONS OF THE  
THEATRE ARE HELD ON FILE AT MODELBOX**

**01837 54342**  
**modelbox@southerngate.plus.com**

IF YOU HAVE ANY FURTHER TECHNICAL QUERIES PLEASE CONTACT:

**STUART GRAHAM -**

**TECHNICAL MANAGER**

ON:- Tel: 020 8545 7921  
Fax: 020 8543 6637  
E-mail [StuartGraham@TheAmbassadors.com](mailto:StuartGraham@TheAmbassadors.com)

OR:- **MIG WALSH**

**CHIEF ELECTRICIAN**

ON:- Tel: 020 8545 7914  
Fax: 020 8543 6637  
E-mail [wimbledonchieflex@theambassadors.com](mailto:wimbledonchieflex@theambassadors.com)

AND **CHRIS BUFFHAM-**

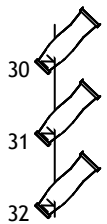
**STAGE MANAGER**

ON:- Tel: 020 8545 7920  
Fax: 020 8543 6637  
E-mail [wimbledonstageman@theambassadors.com](mailto:wimbledonstageman@theambassadors.com)

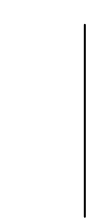
This information is also available on our web site,  
[www.theambassadors.com/wimbledon](http://www.theambassadors.com/wimbledon)

PROS BOOM

PROS BOOM

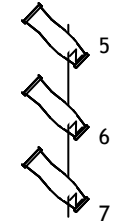


UPPER DRESS CIRCLE SLIPS



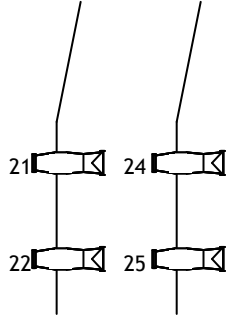
LOWER DRESS CIRCLE SLIPS

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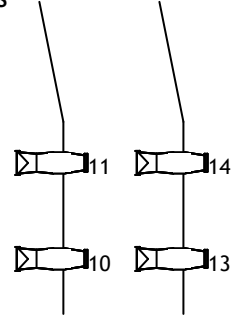


UPPER DRESS CIRCLE SLIPS

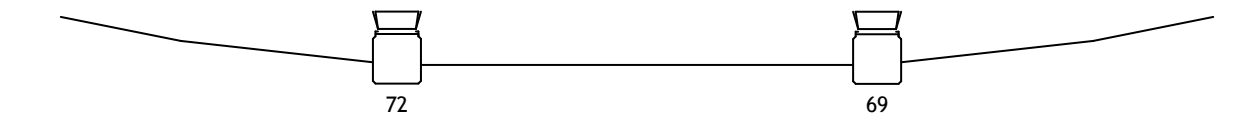
LOWER DRESS CIRCLE SLIPS



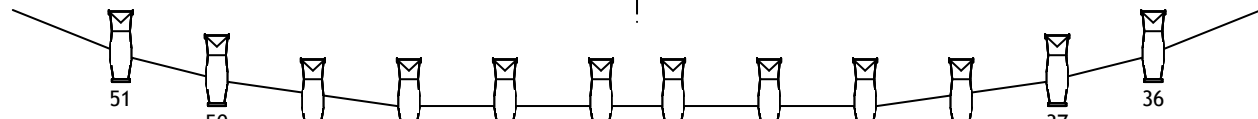
ROYAL CIRCLE SLIPS



ROYAL CIRCLE SLIPS



DRESS CIRCLE FRONT



ROYAL CIRCLE FRONT

KEY TO SYMBOLS

- STRAND 223 FRESNEL 1KW
- SOURCE FOUR 15-30 ZOOM 750W
- SOURCE FOUR 19 FIXED 750W

FOLLOWSPOT POSITION

PLAN NOT TO SCALE

NEW WIMBLEDON THEATRE  
THE BROADWAY  
WIMBLEDON  
LONDON  
SW19 1QG