

Richmond Theatre Technical Specification

| | | |
|-----------------------------|--|----------------------------|
| <u>Stage</u> | Rake 1:24 (1:18 from Front Edge of Stage to Iron 1070mm) | |
| <u>Stage Height</u> | Auditorium Floor to Stage | 1300mm |
| | Max Stage loading 200lbs per square foot. | |
| <u>Proscenium</u> | Width | 8500mm |
| | Height to Pelmet | 6200mm |
| <u>Depth</u> | Rear of Iron to Back Wall | 8700mm |
| | Front Edge of Stage to Back Wall | 9880mm |
| | Distance from Circle front to Iron | 1010mm / 33ft |
| <u>Width</u> | Centre Line to S.R. C/W Cage | 6770mm |
| | Centre Line to S.L. Wall | 9950mm |
| | Centre Line to S.R. Fly Floor | 5970mm |
| | Centre Line to S.L. Fly Floor | 6000mm |
| <u>Height</u> | To Grid | 14000mm |
| | Maximum Flying height | 13000mm |
| | To Underside of S.R. Fly Floor | 5940mm D.S. 5640mm U.S. |
| | To Underside of S.L. Fly Floor | 5740mm D.S. 5540mm U.S. |
| <u>Wing Space</u> | Pros to Counterweight Cage S.R. | 2500mm |
| | Pros to Side Wall S.L. | 5500mm |
| <u>Floor</u> | 6mm Oil tempered hardboard on 25mm Ply | |
| <u>Flying System</u> | 35 Single Purchase Counterweight bars 10640mm long Operated from S.R. Fly Floor S.W.L. 350kg, Point Load 220kg Bar 1 House Tabs | |
| | Clearance between Fly Floors | 11440mm |
| | Between Timber Pin Rails | 11090mm |

Note - Flying Pieces should be no wider than 10070mm as there are RSJ's which impede their path between bars 10 – 30

USR pin rail is 5500mm high
DSR pin rail is 6130mm high
USL pin rail is 5330mm high
DSL pin Rail is 5780mm high

Bars at 200mm between centres, except they are 400mm between 11 & 12 and 23 & 24. 600mm between 34 & 35

Orchestra Pit

10000mm x 2000mm x 750mm Deep
Removable Blocks, pit Seats 10 max
Large orchestras can be accommodated at floor level with seats removed. Treads from stage to Stalls are available SL &SR.

PLEASE NOTE:

Estimated pit removal / reinstatement times:
Drop pit for 8 = 2 ½ hours
Pit for 15 at auditorium level (1 row) = 1 ½ hours
Pit for 25 at auditorium level (2 rows) = 2 hours
Pit for 30 at auditorium level (3 rows) = 2 ½ - 3 hours
4 or 5 rows removed = 1 hour in addition to the above for each row as these are secured individually

Access

Medium Tallescope 3.9m – 5.9m
Various Zarges ladders

Get In Access

From Quadrant Road to S.L. Dock at Stage Level
Dock Doors 3650mm High x 2050mm Wide.

Wardrobe

The wardrobe room is located on the 2nd floor and includes a Maytag Washing machine with tumble dryer and a separate spinner.

Masking

3 Permanent Up & Down Tracked Black
Serge Legs Per Side 24' hanging from fly rails
5 x Borders
5 x Sets of Legs
1 x Full Blacks

Lighting

ETC Eos desk v.1.4.5
Soft Patching at Desk (No Hard Patch)
Operation from rear Stalls
180 Ways Hard Wired (168 x 2.5k & 12 x 5kw)
60 Ways FOH 120 Ways On Stage

Lantern stock

FOH rig (fixed)

12 x Source 4 10 deg 750w (at rear of Upper Circle)

12 x Source 4 19 deg 750w (6 on each side of Upper Circle)

4 x Source 4 19 deg 750w (on Upper Circle balcony front)

Other lanterns

24 x Par 64

26 x Selecon "RAMA" 1.2kw

6 x Selecon "1200" 1.2kw Fresnels

9 x Selecon "1200" 1.2kw PC

4 x Selecon "ARENA" 2K Fresnels

10 x Source 4 Junior 575w 25-50°

4 x Source 4 25-50 zoom profiles 750w

4 x Source 4 15-30 zoom profiles 750w

2 Robert Juliat Topaz Follow spots 1200w MSR

PLEASE NOTE: A hire charge of £3.50 per lantern per week is charged.

(All lanterns are subject to availability, please confirm available stock in advance)

Aux power

200Amp 3-Phase U.S.L. Wing, Powerlock

125Amp CEE Form 3-Phase U.S.L Wing

63Amp CEE Form 3-Phase U.S.L Wing

32Amp CEE Form 3-Phase U.S.L Wing

32Amp CEE Form 1-Phase U.S.L Wing

Sound power

63Amp Single Phase S.L Wing

63Amp Single Phase Sub stage (Clean Sound Phase)

16Amp at rear Stalls position

Sound

D&B System comprising of 2 CI90 and 2 CI60 speakers covering Stalls

and Dress Circle, 2 CI80 covering Upper Circle, 2 E12 subs located at Stalls level, 2 E3s used as front fills and 4 E0s for Stalls delays.

All fed by E PAC amps. **(They may not be adjusted without prior permission).**

Mixing desks:

Allen & Heath GL 3300 24/8/2

Spirit Folio F100 6/4/3

Non FOH PA speakers:

2 x EV sx300 speakers for onstage use

2 x Epog AE-4 Speakers for onstage use

Amps:

- 2 x D&B E-PAC Channels
- 1 x Yamaha P1150 (Single Channel)

Effects:

- 1 x Yamaha 2 x 15 band EQ (GQ2015A)
- 1 x Yamaha REV 500 FX unit

Playback:

- 2 x Yamaha CD Players (1 does not play CDR/W)
- 2 x Sony minidisc player with auto-pause

Microphones:

- 4 x Shure SM58
- 1 x Shure SM57
- 2 x Sennheiser Rifle Mic

Miscellaneous:

- 3 x Di Boxes
- Various microphone stands
- Various Cables / Connectors
- 48 Ways of Audio Tie-Lines from Rear Stalls to Stage & sub stage for patching
- All Speaker Tie-Lines use NL/4C Speakon Connectors
- We have a Tech pro cans system (**10 x belt packs & 10 x headsets**) with dual channel belt packs (6 pin system). Units from 3 pin
- Systems can be added if required.

PLEASE NOTE: Sound operation is from rear side Stalls. Stage or centre rear Stalls is by arrangement only as this will require seats to be held off sale.

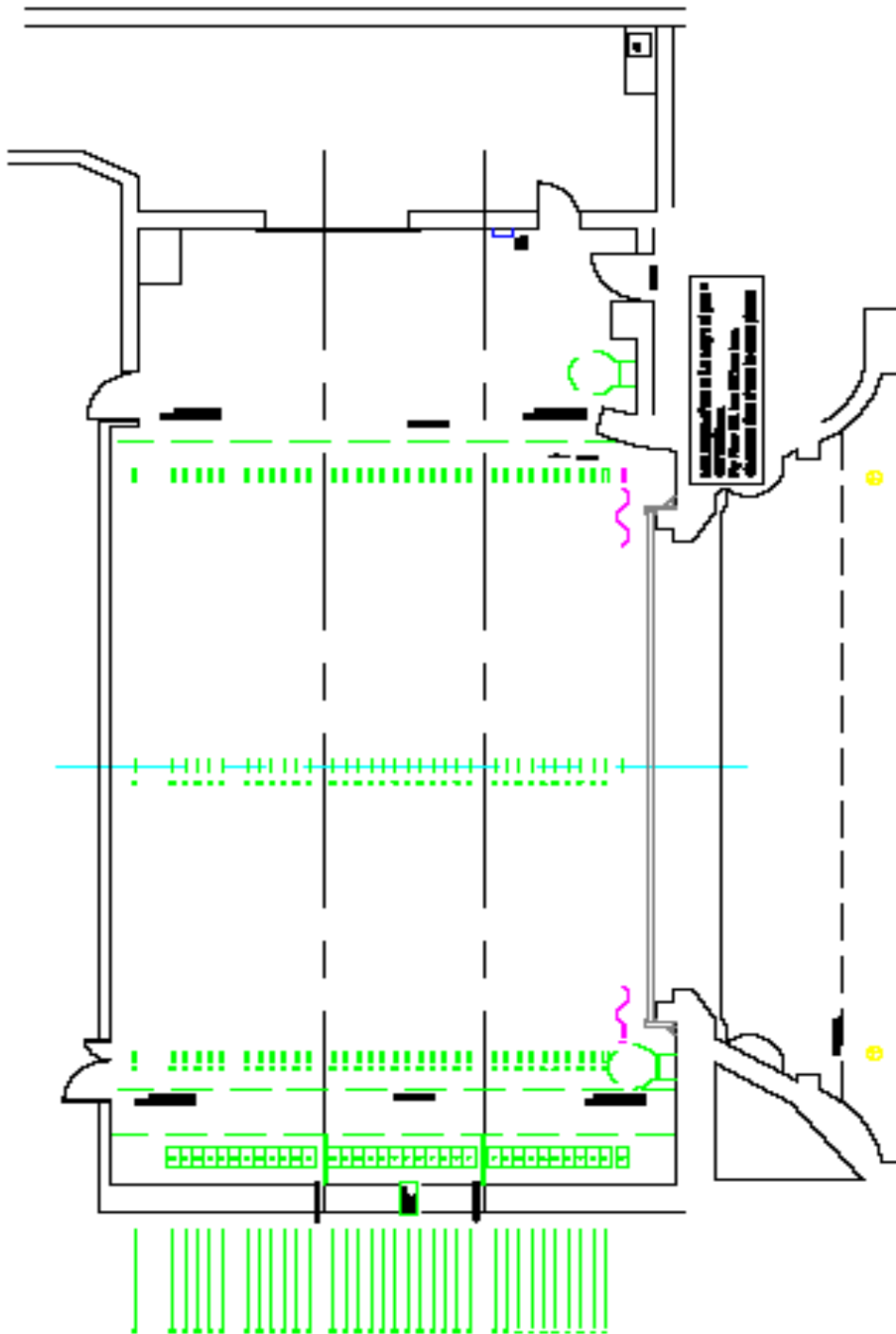
A Sennheiser Infra-red hearing system is used in the Stalls and Dress Circle.

PLEASE NOTE: A hearing aid induction loop is installed on all levels.

PLEASE NOTE: All companies must provide a written Risk Assessment for the production along with all technical details four weeks prior to the get-in of the show.

Please check condition and availability of any equipment you wish to use.

Updated: January 2010

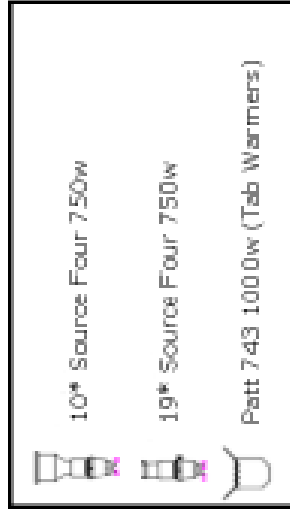


RICHMOND THEATRE - A4 1-100

(Not to scale)

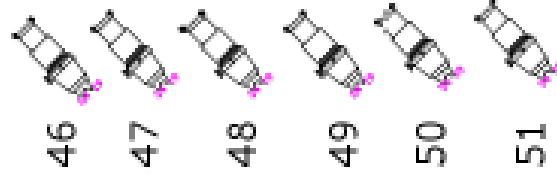
Richmond Theatre

FOH Plan

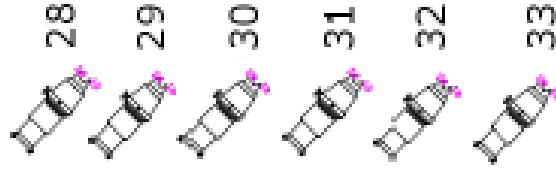


SL and SR Prosc Booms - Total SWL:
150kg Per boom (Incl 2 x 26kg Speakers Each Boom)

Upper Circle Slips Aud. Left
Total SWL:
100kg (Incl 6 x 7.5kg S4)



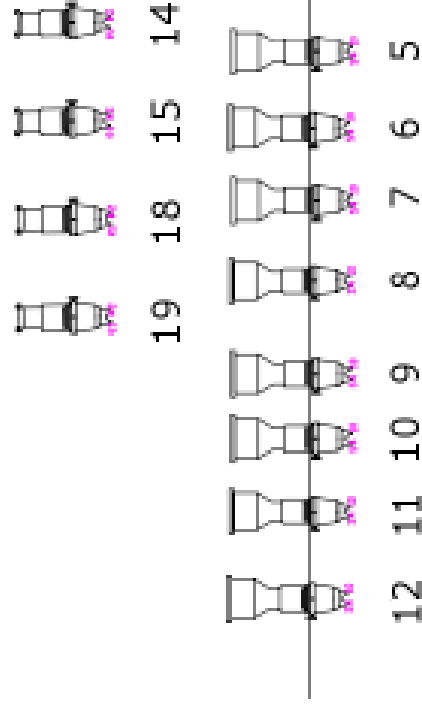
Upper Circle Slips Aud. Right
Total SWL:
100kg (Incl 6 x 7.5kg S4)



Dress Circle Front
Total SWL:
100kg (Incl 2 x 9.2kg 743)



Upper Circle Balcony Rail
Total SWL:
100kg (Incl 4 x 7.5kg S4)



Upper Circle Back-bar
Bar at full weight

