



Main House Technical Specification

Please note: YAT cannot be held responsible for any costs incurred resulting in information, assumptions or omissions from this document. It is the responsibility of the visiting company to check critical dimensions before visiting the theatre. Please check the availability of equipment before planning show needs around it.

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IMPORTANT NOTICE FOR THE PRODUCTION AND COMPANY MANAGER

Along with so many theatres in recent years the Yvonne Arnaud currently runs with no Arts funding and a slashed council funding therefore we have had to up our endeavours to bring income in to the building in order to stay open.

As part of a drive to bring businesses to our building for corporate meetings and presentations we have to utilise our auditorium as much as possible.

Our main objective, however, is to ensure any visiting company has main priority over anything else.

Please could you give us as much notice as possible of your stage use after your opening night and, if there is a situation where a business has made a daytime booking ahead of yourselves, we would ask for your co-operation and compromise with regards to allowing us the opportunities to maximise our potential income.

Contacts

All technical queries regarding from visiting companies should be directed to the following:

Head of Production & Technical Manager

Liza Cheal lcheal@yvonne-arnaud.co.uk 01483 443941
(Please channel all show info through this 1 email pathway).

Chief Lighting Technician – Al Tombs.
Chief Sound & AV Technician Chris Champness.

Website: www.yvonne-arnaud.co.uk

Address: Yvonne Arnaud Theatre, Millbrook, Guildford, Surrey, GU1 3UX

Seating Capacity

Stalls	410
Circle	176
Total	586

The following number of seats will be lost for:

- Small Orchestra Pit (lose centre Row A) 10 seats
- Medium Orchestra Pit (lose Row A) 18 seats
- Large Orchestra Pit (lose Rows A & B) 39 seats
- Auditorium Right Followspot position (in circle) 1 seat

If you require seats to be held off sale, you must notify us as far in advance as possible. We may not be able to hold seats once they are on sale. This is normally agreed at the contractual stage. For Seating Plan please see **Appendix B**.

Access

The Yvonne Arnaud's dock door is accessed via Millbrook (A281) just outside the town centre past the Debenhams department store.

Size of these double doors are width and height of a artic mega trailer. Any vehicles larger than a 7.5ton truck will be unable to turn around outside the theatre so must reverse in off the main road. The doors are approximately 600mm (2') above street level giving flat access to the stage via ramp from trailer height.

Trailers are unable to stay on the doors after the fit-up and before the get-out due to access requirements. Trucks arriving early for the get-out must park on the main road till marshalled in.

On first arrival Access is via the Box Office reception through the main theatre doors front of house. Visitors will be issued with a key fob to access rear of house through the stage door which is unmanned. The box office reception staff will give out keys, packages and notices. Opening times are 1000hrs until half an hour after performance ends unless company rider states other requirements.

Stage Information and Dimensions

The stage floor is made up of original 30mm thick boards and finished with 6mm hardboard painted Mylands Silk Black. It can be screwed into and painted as necessary but must be reinstated back to normal as part of the get-out and at cost to the visit company.

Due to the layout of the structure underneath the stage traps are unable to be installed in the floor. If your show requires access from substage to stage as part of the action please call to discuss as far in advance as possible

False Proscenium width	10,100 mm	33'2"
False Proscenium height (variable on winch)	4,570 – 5,490 mm	14'12" – 18'0"
Front of stage to curved cyc wall @ centre	10,010 mm	32'10"
Rear of safety curtain to curved cyc wall @ centre	9,562 mm	31'4"
Setting line to curved cyc wall @ centre	9,063 mm	29'9"
Height to underside of grid	11,735 mm	38'6"
Maximum gridded height of bars	11,430 mm	37'6"
Clearance between fly floors	12,050 mm	39'6"
Clearance under fly floors	6,100 mm	20'0"
Clearance under SL (PS) return pulleys	4,500 mm	14'9"

Dock door located SR (OP) at stage level, approximately 600mm (2') from street level, we do have a lorry ramp available.

Downstage there is a 120mm wide and deep cable trap that can be used to run cables from SL to SR or for front fill speakers and footlights.

Backstage Crossover

There is a corridor behind the curved cyc wall that is our backstage crossover. It can be accessed from upstage in either wing and from a door adjacent to the stage door.

Flying Information

We have 32 double purchase counterweight line sets, on average 200mm (9") apart (please refer to hanging plot or scale CAD drawing for exact measurements), the bars are 9,450mm (31') wide, with a 1,200mm (4') extension at each end. For Hanging Plot see **Appendix C**.

Maximum bar weight of scenery above empty bar (cradle weight = 2 x bar weight):

Sets 1-19, 21-24, 26, 28 & 31	283kg (625lbs)	48 weights
Sets 20, 25, 27, 29 & 30	232kg (513lbs)	40 weights
Total number of 11.35kg (25lbs) owned by theatre	812 weights	
Total weight	9,216 kg (20,318 lbs)	
Total available weight (minus weights for empty bars)	5,936 kg (13,087 lbs)	523 weights
Weight short of system max load (approx.)	11,064 kg (24,392 lbs)	975 weights
SYSTEM MAX LOAD (approx. kg on bars)	8,500kg (18,740lbs)	

Please note all our fly bars are gas barrel not scaff size. Diameter 64mm. Circumference 200mm.

Stage Equipment

Access Equipment

1 x	Medium Tallescope, maximum platform height 6,000mm (19'6")
1 x	14 rung Zargees

2 x 12 rung Zargees
1 x 8 rung Zargees

Soft Masking

Black Borders:	3 x	40' x 8'	(12,140 x 2,440mm)
	3 x	40' x 10'	(12,140 x 3,050mm)
	1 x	40' x 18'	(12,140 x 5,480mm)
Full Blacks:	1 x	40' x 24'	(12,140 x 7,320mm)
	(Does not grid out of view)		
Black Legs:	3 pairs	8' x 20'	(2,440 x 6,090mm)

Large stock of assorted soft legs and borders.

Both fly floors are masked by black pinnies which fall just below fly floor level to hide, as does the counterweight return pulley cage.

There are black swipes on tab tracks on the offstage side of both fly floors which mask up and down stage. Each side has three swipes to allow a split.

Hard Masking

We have 3 pairs of smart hard legs to create a 3 portal black box stage.

Large stock of assorted hard masking to mask nearly any gap, any size, any place.

Other Stage Equipment

Loose stage equipment available for use:	Scenery braces & stage weights
	Conduit
	Aluminium scaff (assorted lengths)
	Spreader beams
	Get off treads from stage to auditorium
	Props tables

We also have a stock of chain blocks, staging and dance floor available for hire. Please see **Appendix A** for more information on these items

Please note charges will be made for all stock hardware used & not returned on get-out.

Each production will be provided with 2 rolls of gaffa from Yvonne Arnaud stock for taping of cables and carpets. Should your production require more rolls they will be contra charged at £6.50 per roll + VAT

Orchestra Pit

Note: Does not lift to create forestage.

All orchestra pit configurations require the removal of auditorium seats and therefore must be booked at contractual agreement stage.

Small Pit: seats approx. 4 musicians max, lose centre row A, access each side from stage to auditorium.

Medium Pit: seats approx. 10 musicians max, lose entire row A, access each side in corners from stage to auditorium.

Large Pit: seats approx. 20 musicians max, lose entire row A & B, access each side in corners from stage to auditorium.

Prior notice is required for crew call. Pit restoration call will be signed off on get-out sheet regardless of when restoration takes place:

Small & Medium	3 crew @ 1 hour TMA get-out rate
Large	6 crew @ 1 hour TMA get-out rate

Pit Access

During set up the pit can be accessed via the disabled corridor auditorium left (at street level), then 2 stairs up, 6 stairs down to pit edge and drop approx. 1200mm (4') into pit.

During shows and rehearsals the pit can be accessed from the back of stalls through auditorium to small ladders on each side of pit.

Stage Management

The prompt desk is situated DSL and whilst can be moved within the DSL area to accommodate playback racks or sightlines it cannot be moved to any other area of stage/FOH.

Within the desk there is a 12 way GDS CueOne cue light system (re-patchable upon request), calls system to backstage and FOH, bar bells and show relay control. LX and fly cue lights are permanently installed, 10 further cue lights are available to be used with 9 patch points available around the stage area.

There is a large split screen monitor with colour, infrared, MD and iron line camera feeds.

2 x 40" MD monitors are permanently rigged on the circle front. Please call in advance to discuss your requirements if they differ from this.

There are comms points located around all areas of stage with fixed packs and headsets at prompt corner, LX control room and flies. We have a limited stock of RTS belt packs and RTS headsets so please advise us in advance how many comms will be required on stage. We do not own any wireless comms system.

Control Positions

The control positions are situated at the rear of the stalls.

LX control is in an enclosed box with large window auditorium centre accessed via sound position.

Sound position is an open box auditorium centre left, large enough to accommodate a 40ch analogue desk.

Followspots positions are at the rear of the circle, auditorium left and right. The auditorium left followspot is permanently installed. If a second followspot (auditorium right) is required it requires the removal of one seat which must be booked in advance.

Wardrobe

There is a wardrobe/laundry room at the end of the first floor dressing room corridor with a sink and ironing board available. There are two 8kg washing machines, two 10kg tumble dryers and a twin tub. We ask that only liquid detergents or liquitabs are used in our washing machine. The visiting company must provide this.

We have a small stock of clothes rails available for use on stage or as extra rails in dressing rooms. There is also a selection of flattage available to build quick change areas on stage level.

Dressing Rooms

No dressing rooms are located at stage level, please phone ahead if stage level dressing area is required.

Dressing rooms are all accessed from SL up backstage stairwell. All dressing rooms contain at least 1 sink and dressing rooms 1 – 8 have phones. Rooms are listed in order along corridors.

Floor	Room	Capacity	Facilities
Ground Floor	Residents Crew Room		
	Paint Sink/Toilet		
First Floor	Dressing Room 1	1/2	divan bed, fridge, access to outside roof
	Dressing Room 4	1	fold away z-bed
	Dressing Room 3	1	fold away z-bed
	Dressing Room 2	1	fold away z-bed
	Wardrobe/Laundry Room		<i>detailed in wardrobe section</i>
	<i>opposite DR's</i>		
	Actors Kitchen		drinking water, sink and drainer, microwave, fridge
	Toilet		
	Shower		
	Communal Shower/Toilet Room		2 shower cubicles, 3 toilet cubicles
Second Floor	Company Managers Office	1	phone, safe, internet access, fridge
	Dressing Room 5	2	fold away lounge
	Dressing Room 6	1	fold away lounge
	Dressing Room 7	1	fold away lounge
	Dressing Room 8	1	fold away lounge
	Dressing Room 9	12	sofa, fridge, divan bed
	<i>opposite DR's</i>		
	Dimmer Room		No access to visiting companies
	Toilet		
	Shower		
Communal Shower/Toilet Room		1 shower cubicle, 2 toilet cubicles	
Third Floor	Dressing Room 10	10	
	<i>opposite DR 10</i>	Toilet	

Please note: The visiting production or company manager is required to bring the fit-up biscuits.

Lighting

Touring Company Power

PLEASE NOTE: USL Power is max supply 200A

Located in the LX hump USL wing (distance to onstage = 10m, SL fly floor = 20m, SR fly floor = 40m)

1 x	200A 3 phase Powerlock
1 x	125A 3 phase CEE-form
1 x	63A 3 phase CEE-form
1 x	32A 3 phase CEE-form
3 x	63A single phase CEE-form
3 x	32A single phase CEE-form
3 x	16A single phase CEE-form
2 x	15A sockets
2 x	13A sockets

There are 32A and 63A 3 phase supplies located on the wall USL (**max supply 63A**). They are generally used for supplying power to motors, revolves and other stage machinery.

We have a small selection of portable distros available but please always check in advance if you will require a distro.

Control Equipment

1 x	ETC Gio desk (Primary)
1 x	ETC Gio RPU (Backup, permanently installed in control room)

House Lighting

The auditorium lighting is all LED. The system is GDS' Arc System.

The minimal lighting levels suitable for emergency lighting have been agreed and licensed by the local authority. We cannot extinguish the emergency lighting including fire exit signs for any performance. Lighting levels are very low and suitable for onstage blackouts.

The light levels for house lights as the audience enter (full house lights) has also been agreed by the local authority and for the safety of the audience cannot be adjusted to a lower level whilst audience are moving around in the auditorium.

Dimmers

All our dimmers are ETC Sensor 3's with Thru Power Modules: 372 x 2kW & 12 x 5kW

They are allocated as below:

123 x	2kW dimmers fixed FOH
249 x	2kW dimmers available onstage
12 x	5kW dimmers available on stage (2 separate phases)

All FOH booms, box fronts and circle front sockets and tab warmers are fed from FOH dimmers.

House lights not controlled via the dimmers. They can be controlled via DMX or manually.

Houselights and dimmers are contained to a single universe.

Permanent FOH LX Rig

There are 64 permanently rigged lanterns FOH.

Bridge 1 – closer to stage

20 x 26° ETC Source 4 750W

Bridge 2 – further from stage, better for US focus

20 x 19° ETC Source 4 750W

H-Bars – horizontal bars located above boxes each side of auditorium

12 x 19° ETC Source 4 750W (6 each side)

V-Booms – vertical booms located just in front of front boxes each side of auditorium

12 x 26° ETC Source 4 750w (6 each side)

Tab Warmers – located underneath front boxes

2 x PAR64 short-nose

Accessories

20 x Gobo holders for ETC Source 4

5 x Iris assemblies for ETC Source 4

Profile Stock

21 x Strand SL 15/32

12 x Strand SL 25/50

20 x Gobo holders for Strand SL

12 x Iris assemblies for Strand SL

Fresnel Stock

38 x Strand Patt 743 with barndoors

8 x Strand Patt 243 with barndoors

6 x PC // Minuette Fresnels 650w

Beamlight Stock

39 x Black PAR 64 long nose

6 x Chrome PAR 64 long nose

14 x Chrome Short floor cans

Accessories

10 x PAR 64 Barn doors

We normally keep in stock approx. 20 x EXG, 40 x CP62, 30 x CP61 and 10 x CP60 lamps.

Cyc/Floods Stock

4 x CCT Starlett 1000w

15 x AC1001 Floods

8 x Coda 4 Flood Battersns

Followspots

2 x Robert Juliat Victor 1800w HMI followspots.

Followspot positions are at the rear of the circle, auditorium left and right. The auditorium left followspot is permanently installed. If a second followspot (auditorium right) is required please advise us as soon as possible as it requires removal of one seat.

Cables/Accessories/Rigging

Stock of various lengths of 15A & 16A TRS from 1 – 20m

Stock of various lengths of 3 & 5 Pin DMX from 1 – 20m

Electriflex Multicore

Male and Female Spiders

Grelcos

Jumpers of all sorts....

Boom Arms

2 x	0.25m White
2 x	0.4m Black
25 x	0.5m Black
1 x	0.8m Black
3 x	1m Black
2 x	1m "Better"/Safety Boom Arm Black

Rigging Information

The pros booms' lowest rigging points are at 1.7m up from stage level with a maximum height rigging position of 5.4m.

There are 2 perch booms positions (marked on the ground plan)

We own a further 4 booms that can be positioned under the on-stage edge of either of the fly floors.

If an advance bar position is required prior booking is essential. Requires supply of rigging equipment accordingly and employ of harness trained rigger. There will be a contra incurred if we are required to supply equipment and staff.

There are two FOH bridges (bridge 2 sees the better shot upstage). There are other FOH rigging positions, please see the ground plan.

NB In an effort to reduce single use tape all Arnaud stock cable coils are secured with Velcro straps and theatre staff and casuals are not issued with PVC tape on any get out.

Please provide tape to secure any touring cables if they do not carry their own reusable straps.

If your tour does not have any tape we will bring ours out but there will be a contra charge per roll and we will all be saddened at the single use of PVC.

Sound

Mixing Position/Tielines

There are two mixing positions available:

1. Onstage – DSL next to prompt corner
2. Sound Position – rear of stalls, large enough to accommodate large desk.

If you require a larger sound operating position this must be done at contractual stage as this requires taking auditorium seats off sale.

Tielines

- 24 x XLR tielines from FOH sound position to back corridor amp patch bay
- 24 x XLR tielines from DSL patch bay to FOH sound position
- 8 x XLR tielines from DSL patch bay to back corridor amp patch bay
- 8 x XLR tielines from DSR to DSL patch bay
- 2 x XLR tielines from DSL patch bay to DSR
- 1 x XLR tieline from USR to DSL patch bay

Permanent Sound Rig

- 2 x D&B 12S – D, high proscenium for circle cover
- 2 x D&B 12S – D, low proscenium for stalls cover
- 2 x D&B 18S – Sub, located within FOH grills
- 6 x EM51's - rigged underneath circle front as delays
- 4 x EM51's – In the front of the stage as front fills
- 10 x JBL Control 1's, rigged around auditorium as surrounds (6 in stalls, 4 in circle, not normally patched)

Sound Power

Clean Sound Power distro is located DSL near prompt corner (**max supply 63A**) containing:

- 1 x 63A single phase
- 3 x 32A single phase (1 feed permanently runs in-house amp rack)
- 3 x 16A single phase

There are also clean sound power outlets at FOH sound position consisting of:

- 1 x 32A single phase (fed from DSL sound power distro)

Amps

- 3 x D&B D6 (drives permanent FOH PA + Subs), two channels per amp – NON PATCHABLE
- 4 x D&B E-PAC, one channel per amp
- 2 x Lab Gruppen fp 2200, two channels per amp
- 1 x Lab Gruppen fp 2200Q, four channel amp – channels paired – NON PATCHABLE
- 1 x QSC (drives permanent FOH Delays), two channel amp – NON PATCHABLE

Sound Equipment

Range of boom and round base upright stands
 Various lengths of XLR cable
 Various lengths of Speakon cable

Sound Desks

1 x Soundcraft GB4 16 channel analogue desk
 1 x Soundcraft expression Si 1
 1 x Yamaha 01V digital desk with additional output card
 1 x Yamaha MG12 XU analogue desk with inbuilt FX unit

1 x Aviom Personal Monitor System
 4 x individual mixers

Playback

2 x Laptop DI Box
 2 x BSS Active DI Boxes

Speakers

4 x D&B CI9 with hanging brackets (2 for vertical hangs, 2 for horizontal hangs)
 2 x EAW JF 200
 2x EM51's

Microphones

2 x Shure SM58
 1 x Shure SM58 Switched
 2 x Shure SM57
 2 x Sennheiser Radio Handheld
 1 x Sennheiser Radio Mic System for presentation use only not musical theatre performance.
 4 x Sennheiser G3 Recievers
 4 x lapel clip on mics
 4 x headset mics

Video/AV

BNC Patch to all normal stage and FOH positions
 Various lengths of BNC cable
 Various lengths of VGA/Cat5 cables
 Limited stock of HDMI Cables
 1 x VGA to Cat5 Adapter
 1 x HDMI to Cat5 extender

Pre-Show Announcement System

Our FOH system also incorporates a pre-recorded phone announcement system. This is operated from the prompt desk and is independent of any touring/house sound desk.

Appendix A – Equipment Available for Hire

Please contact the technical department if you require any of these items to discuss costs.

Stage Equipment for Hire

Items must be booked in advance as are also available for hire on our website.

4 x	1 T manual chain hoists, 10m drop
14 x	8' x 4' (2,440 x 1,220mm) staging
	Some aluminium legs available and facility to cut legs with advanced notice
10 x	8m x 2m Harlequin Dance Floor

Large selection of cloths, gauzes and other scenic items can be found on our website under the hires section. (www.yvonne-arnaud.co.uk/technical-and-hire-items).

Lighting Equipment for Hire

Lanterns

16 x	Chrome PAR64 short nose floor parcans
6 x	Chrome PAR64 long nosed parcans

Effects

1 x	DMX Controlled Unique Hazer
1 x	DMX Controlled Smoke Machine

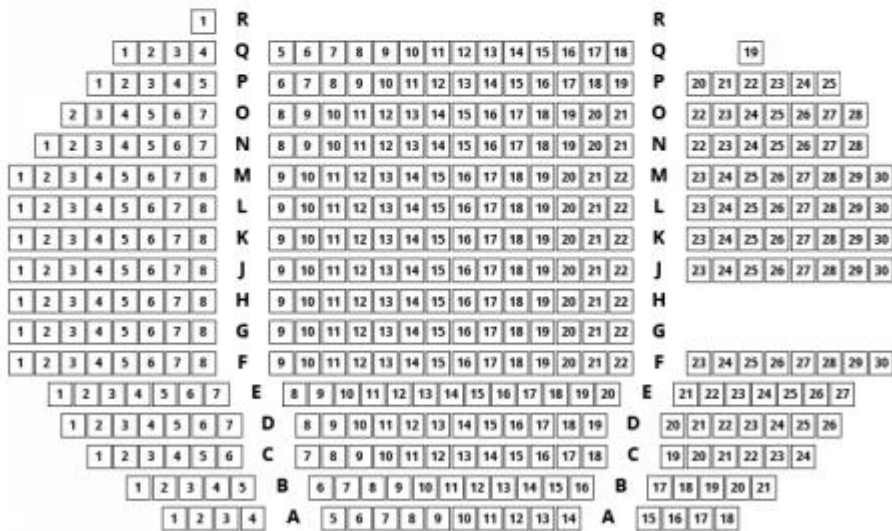
Appendix B – Seating Plan

YVONNE ARNAUD THEATRE

CIRCLE



STALLS



STAGE

Appendix C – Hanging Plot

Please see hanging plot available on website.