

# Sadler's Wells

## Peacock Theatre

### TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

Sadler's Wells Trust Ltd does not guarantee that all or any of these facilities or equipment are available or suitable for the purposes of the visiting company. A visiting company should in all cases check with the Chief Technician for the Peacock Theatre to ensure the information contained herein is up to date and correct. At certain times some equipment detailed in this document maybe temporarily unavailable.

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### **WORKING REGULATIONS**

*It is essential that the following regulations and restrictions are noted by all visiting companies. Please ensure that any relevant personnel are made aware of the following:*

#### **Working Time Regulations**

Please note that in accordance with Working Time Regulations 1998, an 11 hour break between working shifts must be scheduled for all members of staff.

Furthermore, suitable breaks must be scheduled within shifts to ensure the health and welfare of all staff. If in doubt as regards any aspect of the working schedule please contact the Technical Management. All schedules must be agreed in advance.

#### **Noise at Work Regulations**

Please note that in accordance with the Noise at Work Regulations 1989, the Control of Noise at Work Regulations 2005, and for the benefit and care of all staff and members of the public, Sadler's Wells Trust reserves the right to monitor and if necessary limit the sound levels for any given performance.

#### **Working at Height Regulations**

Please note that in accordance with Working at Height Regulations 2005 and HSE instructions, mobile access equipment such as Tallscopes must be used in accordance with manufacturer's instructions.

#### **Loading and Unloading Guidelines**

Sadler's Wells Code of Practice for loading and unloading is included in this document (Appendix A). It is the responsibility of the visiting company to ensure that all relevant staff are made aware of this Code of Practice and that all relevant activities are carried out in accordance with the Code.

### **UNLOADING AND PARKING RESTRICTIONS**

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#### Load-in / dock doors:

Height from Stage	5.1m	16'9"
Width of door	3m	9'10"
Height of door	5.3m	17'17"
Distance from road to dock door	35.5m	116' 6"
Hoist Safe working load	1000 kg	1 tonne

The Peacock Theatre is situated below street level. Visiting companies should factor this into relevant plans and schedules

Please be aware that the main get-in is above stage level – ALL items to be used in a production must be able to be winched from street level to stage level. Please refer to stage dimensions and technical plans for more information, and contact the Chief Technician to discuss your specific requirements.

A site visit is recommended for companies who have not previously worked in the Peacock Theatre. Visits should be arranged in advance of any production arriving at the theatre.

#### Parking:

The Theatre does not have any parking spaces. Local parking for cars is metered, and costs between £4-£5 per hour. It may be possible to buy meter bays, if at least two weeks notice is given.

Light Goods Vehicles under 3.5m (11' 6") high can be reversed down to our upper loading dock. Larger vehicles have to be unloaded in Sardinia St. on the single yellow line on the western side of our goods entrance.

All vehicles will need to be promptly removed once (un)loaded, as traffic wardens regularly patrol the area.

#### AUDITORIUM

# Sadler's Wells Peacock Theatre

## TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

The London School of Economics (LSE) uses the theatre for lectures on weekdays during term time. Any material belonging to the production which lies downstage of the lecture screen or on the orchestra pit lift must be removed daily.

A special lectern must be made available for all LSE lectures – this is normally stored in the orchestra pit under the stage, the pit lift must be free to operate after the show and before crew have left the building in order to set this in place for lectures the following morning.

No alterations can be made that would affect the normal seating capacity of the auditorium

The safety curtain (iron) must be lowered in the sight of the audience during each performance.

Maximum capacity 974

Stalls 675 seats with four stepped aisles front to back  
*There is no wheelchair access to the stalls.*

1<sup>st</sup> Circle 299 seats including 14 seats in open boxes and 2 wheelchair spaces  
*Further wheelchair spaces will remove 8 seats in row N at the back of the 1<sup>st</sup> Circle.*

### **ORCHESTRA PIT**

The orchestra pit has a curved frontage, for up to 40 musicians, with one exit/entrance stage left. The pit is in two sections: half is open, half is under-stage.

Full Depth 3.97m (sides); 4.07m (centre)  
Rear under-stage section 13.16m wide x 2.97m deep x 2.04m high

Front section with curved frontage is on an electric screw-jack lift and can form a forestage in its up position (this floor is not sprung).

Pit Lift 11.28m wide x 1m either side; 2m centre.  
Height from Stage to Auditorium level 1.1m  
Height from Stage to Pit floor Level 2.28m

### **Orchestral equipment:**

1 x lit RAT conductors stand  
25 x lit RAT music stands  
35 x padded chairs

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### TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

#### STAGE

##### **Proscenium**

Proscenium Opening	12.8m	42'
Proscenium Height	5.9m	19'7"
Iron Opening (Between the guidelines)	14.8m	48'9"

##### **Depth of Stage** (*excluding upstage scene dock*)

Iron to wall (upstage of iron)	9.7m	32'
Front of stage to back wall	10.7m	35'3"

##### **Wings/Stage Left**

Iron to wall (from iron guide to wall)	2.6m	8'4"
Stage centre to side wall	10.1m	33'
Height under fly floor	6.7m	22'

##### **Wings/Stage right**

Iron to wall (from iron guide to wall)	2.6m	8'4"
Stage centre to side wall	9.4m	30'9"
Height under fly floor	6.7m	22'

##### **Upstage Dock** (*Positioned Centrally*)

Opening	6.9m	20'
Depth	3.8m	12'8"
Height	6.2m	19'9"
Width	10m	32'10"

The stage is a non-sprung wooden floor without rake.

Also available is an additional wooden floor 14.63m wide x 9.75m deep (48' wide x 32' deep), which may be laid on top. It allows for a slightly more sprung floor. Each section is based on a simple wooden frame and clad in thin plywood, the profile is approx 5cm/2" high. The downstage edge of the floor can be set to either the setting line (US of iron line), or to the front of the stage, not including the orchestra pit lift. Please note that the use of this floor will require extra time during the fit-up and get-out, to lay and to remove. Nothing may be screwed or nailed into this floor.

**Please note: this floor is kept at our offsite storage facility, due notice must be given to allow for shipping.**

Cross-over is usually via the under-stage. If a fast stage-level crossover is required please adjust your hanging plot accordingly.

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### TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

#### FLYING AND RIGGING

52 single purchase counterweight line sets

Grid Height	15m 20cm	49'
Length of bars	14m	46'
<i>(Bars reach fly floor on stage right, but can be extended to 15.2m (50') on stage left)</i>		
Outside diameter of bars	50mm	2"
All fly bars safe working load	204 kg	450 lbs

Operation is from stage left, fly gallery level

Bars are set at 6" (152mm) centres, apart from wider gaps of 12" (305mm) between bars 19&20, 26&27, 33&34, 36&37, 43&44

Bar 1 carries the house curtain, which is red.

A pair of black flats normally forms the first set of masking, just upstage of the safety curtain, and a black border on bar 2.

Line sets 4&5 contain a permanent projection screen that cannot be moved; however the bottom of the screen is fitted with a 24 way IWB, which normally forms the first LX bar.

It is not normally possible to hang lighting on bars 1, 2 & 3. Also note that due to the depth of the screen, bars 3 & 6 are not normally useable.

Bars 36 onwards cannot clear the beam of the get-in winch if they are extended.

Bar 46 can't be loaded from the loading gallery, as it has a long cradle. It is therefore preferable not to fly anything heavy on this bar.

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### STAGE EQUIPMENT

#### **Soft Goods:**

6 pairs of black legs	8' x 24' drop	2.44m x 7.32m
7 black borders	50' x 9' drop	15.24m x 2.74m
1 full black tab (without fullness)	40' x 24' drop	12.19m x 7.32m
1 full black tab (without fullness)	46' x 24' drop	14.02m x 7.32m
1 pair of half blacks (without fullness) each	26' x 24' drop	7.92m x 7.32m
1 black gauze (sharkstooth)	46' x 24' drop	14.02m x 7.32m
1 plastic white Cyclorama	40' x 28' drop	12.19m x 8.53m

#### **Other:**

One black Harlequin dance floor is available to cover an area 14.63m wide x 9.75m deep (48' wide x 32' deep) with an additional roll to cover the forestage when the Orchestra Pit lift is in the raised position.

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TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

### DRESSING ROOMS AND WARDROBE

#### **Wardrobe equipment:**

The wardrobe room is located below the stage level. Equipment consists of:

Iron  
Ironing Board  
Front Loading Automatic Washing Machine  
Tumble Dryer  
Spin Dryer  
4 Wardrobe Rails  
Steamer

#### **Dressing Rooms:**

There are dressing rooms on three floors: -1 (below street); -2 (stage level); -3 (sub-stage)

<i>Room</i>	<i>Floor</i>	<i>Capacity (max)</i>	<i>Notes (All have washbasins except 6A)</i>
1	-2	3	(5) WC, shower, close to stage
2	-2	3	(4) WC, shower shared with Room 3
3	-2	3	(4) WC, shower shared with Room 2
4	-2	2	(3) WC
5	-1	4	(6) WC, shower
6 – Green Room	-1	8	(12) Kettle, Fridge, Microwave, Water cooler
6A	-1	5	(8) Access via Green Room
7	-1	6	(8) WC
8	-1	10	(10) WC
Company Office	-1	2	(3) WC, safe, phone line, Wi-Fi broadband
10	-3	2	(5)
11	-3	8	(15) Convenient for Orchestra Pit

#### **Shared Facilities:**

##### *Level*

0 Stage Door  
-1 Toilets M&F, Shower M&F, Green Room  
-2 Toilets M&F, Drinking Water  
-3 Toilet outside Room 11

*Please be aware that there is no lift access back stage at the Peacock; all levels are connected by stairs.*

### LIGHTING

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### TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

#### Console and dimmers:

Strand 520i (450 channels, 450 attributes)  
145 x 2.4kW Dimmers (300A 3phase supply)  
16 x 5kW Dimmers

*Please note location of dimmers:*

*100 x 2.4KW and 13 x 5KW dimmers over stage*

*19 x 2.4KW dimmers on FOH bridge*

*19 x 2.4KW dimmers in FOH box's, 9 auditorium L and 8 auditorium R*

*10 x 2.4KW dimmers in FOH Circle Front*

#### Front of House Equipment:

Front of House Bridge (*permanently rigged*) (19 dimmers)

18 x 26° ETC Source 4 750W fixed beam profile

2 x 1kW Fresnel for tab warmers

2 x Teclumen Arena 1200T Follow spots.

#### Additional Lighting Stock:

14 x	19° ETC Source 4	575W fixed beam profile
22 x	26° ETC Source 4	575W fixed beam profile
30 x	36° ETC Source 4	575W fixed beam profile
6 x	50° ETC Source 4	575W fixed beam profile
18 x	Strand Brio 25-50°	600W zoom profile
28 x	Strand Brio 18-30°	600W zoom profile
12 x	Selecon Arena	2kW 8" fresnel (with barndoors)
36 x	Selecon Rama HP	1.2kW 7" fresnel (with barndoors)
10 x	CCT Starlette PC	1kW PC (with barndoors)
70 x	240V PAR64	1kW (CP62, CP61, CP60 - please ask for details)
24 x	Source 4 PAR	575W with VNSP, NSP, MFL & WFL lenses
20 x	ADB ACP1001	1250W asymmetric cyc flood
6 x	Thomas D10004p	1.25KW 4 Cell Asymmetric Flood
	110v Par 64	Available on request

#### Follow Spots:

2 x Arena Plus 1200w MSR: Beam angle 8° - 22° variable, colour changer, iris.

#### Lighting Rigging Equipment:

10 x Boom Bases  
25 x D-rig boom arms (500mm)  
80 x Standard Boom Arms

#### Colour Frame Sizes:

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### TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

ETC Source 4	160 x 160mm
Strand Brio	150 x 150mm
Selecon Arena	245 x 245mm
Selecon Rama	185 x 185mm
CCT Starlette	180 x 180mm
Par 64	255 x 255mm
Source 4 Par	190 x 190mm
ADB ACP1001	430 x 275mm
AC1000	290 x 290mm

### **POWER SUPPLIES**

*Fly floor SR (Total 200A 3ph, but shares main dimmer 300A 3ph supply!):*

63A 3phase CEE-form

200A 3phase Camlock (Camlock to Powerlock jumper, supply normally used for 36 house dimmers)

*SR wing:*

63A Single phase CEE-form

*Upstage:*

32A 3phase CEE-form

200A 3phase 10mm tail-in supply with Camlock tails (also feeds OB supply on Sardinia St)

Sound only Power Supplies

32A supply feeding:

32A cee-form - DSL & DSR

32A cee-form - Amp Room

16A cee-form - Rear of Stalls mix position

### **EFFECTS**

1 x JEM ZR22 - DMX smoke machine

1 x Smoke Factory Captain K - DMX smoke machine

1 x Cirro Lite Strata CS6 - Haze machine

**ALL SPECIAL EFFECTS MUST BE REQUESTED AND APPROVED IN ADVANCE as they may require alterations to automated fire and smoke alarm systems and special local authority licensing approval.**

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### SOUND

#### **FOH Speakers:**

- 4 x d&b Ci60 (2 mid fill & 2 circle), each driven by a D&B E-PAC amp
- 2 x d&b Ci90 (stalls), each driven by a D&B E-PAC amp
- 4 x d&b E3 (stalls delays), driven in L&R pairs by 2x D&B E-PAC amps
- 4 x d&b E3 (circle delays), driven in L&R pairs by 2x D&B E-PAC amps
- 4 x d&b E15X subs each driven by an D&B E-PAC amp (paired left and right)
- 2 x d&b C690 (stage side fill at 2 meters) driven by Crown micro tech 600

#### **Monitor Speakers:**

- 5 x d&b Max 12
- 1 x Yamaha P7000S amps
- 1 x Yamaha P2500
- (Plus 2 x JBL eon10 Please ask for details)

#### **Mixers:**

- |                             |                                 |
|-----------------------------|---------------------------------|
| 1 x Allen & Heath GL4000    | 32ch, 8 group, 10 aux, 4 matrix |
| 1 x Soundcraft Spirit E12   | 12ch (+ 2 stereo), 2 aux        |
| 1 x Soundcraft Spirit Folio | 8ch (+ 2 stereo), 3 aux         |

Mixing positions are either rear of stalls, by removing 14 seats giving an area of 3.5m x 2.2m or in a booth at the rear of the circle, area 3.5m x 2.5m including fixed worktop

#### **Playback:**

- |                        |               |
|------------------------|---------------|
| 1 x CD player          | Denon DN c615 |
| 1 x CD player          | Denon DCD-625 |
| 2 x Mini-Disc recorder | Sony MDS-E12  |
- extra mini disk recorder and tape players available on request.

#### **Outboard Processing:**

- |                            |                                     |
|----------------------------|-------------------------------------|
| 1 x Lexicon MPX 550        | Effects Unit                        |
| 1 x Yamaha SPX 90          | Effects Unit                        |
| 1 x KT Square One Dynamics | 8 channel compressor/limiter/gate   |
| 1 x dbx 1066               | 2 channel compressor/limiter/gate   |
| 2 x BSS FCS-960            | 2 channel 30 band graphic equaliser |
| 2 x dbx 1231               | 2 channel 31 band graphic equaliser |

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### TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

#### **Microphones:**

##### *Dynamics*

- 2 x Beyer M88 TG
- 2 x Beyer M201
- 2 x Sennheiser e835
- 1 x Sennheiser e825S (switched)
- 3 x Shure SM57
- 1 x AT Pro9D hypercardioid
- 2 x AKG D85s

##### *Condensers*

- 1 x AKG C451E
- 2 x AKG C451B
- 3 x Sennheiser K3U PSU w/ 2 x ME40 cardioid, 2 x ME80 hypercardioid capsules
- 2 x Sure Beta 98D/S (miniature supercardioid clip-on)
- 2 x AKG C418 PP (miniature hypercardioid clip-on)
- 4 x Crown PCC-160
- 2 x Realistic PZM
- 1 x Behringer ECM 8000

##### *DI*

- 2 x BSS AR-133 Active DI
- 2 x EMO single DI box

17 x Assorted Microphone Stands

##### *Radio Mics*

- 2 x Sennheiser 300 G2 Hand Held cardioid dynamic
- 4 x Sennheiser 300 G2 Beltpack transmitter c/w MKE 2 Gold lavalier (beige) or ME 4 (black)

#### **Audio Tie-Lines:**

Patchable audio infrastructure based around 32 Sends and 16 Returns at both control positions (3pin XLR).

Infrastructure also includes the following (all patchable):

- Speaker (NL4 Speakon)
- Video (BNC)
- DMX (5pin XLR)
- Cat5 Ethernet (Ethercon)

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TECHNICAL SPECIFICATIONS AND EQUIPMENT LISTS

### **COMMUNICATIONS AND AUDIO VISUAL**

#### **Intercom:**

Two channel wired Stonewood Audio intercom system (Tecpro compatible)

6 x single channel belt packs

6 x dual channel belt packs

4 x HME DX200 wireless radio comms, interfacing with wired system. Operates on 2.4 Ghz.

8 x cue lights controlled from prompt corner DSR or control box, with patch

Show relay to backstage areas.

Paging from DSR prompt corner, control box and stage door, to backstage and FOH bars/foyer

#### **AV Equipment:**

1 x fixed colour camera with full stage view routed to: prompt desk and fly floor

1 x fixed b&w infrared camera with full stage view routed to: prompt desk and fly floor

1 x movable b&w camera with wide angle lens, suitable for conductor relay etc.

1 x 9" colour video monitor

1 x 9" b&w video monitor

2 x 12" b&w video monitors

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### **APPENDIX A: Sadler's Wells Peacock Theatre: Code of Practice for loading/unloading**

#### **Staffing**

- The visiting company must ensure that a competent person is appointed to supervise the unloading and loading of the truck(s) or wagon(s).
- ALL crew will be competent, well rested at the beginning of the shift, and sober.
- ALL crew will follow Sadler's Wells requirements for Personal Protective Equipment and will wear protective footwear throughout any loading or unloading.
- Sufficient breaks must be scheduled. Guidelines to breaks are detailed in the theatre's technical specifications (these are readily available for all Sadler's Wells theatres). If in doubt please consult with Sadler's Wells technical management.
- Sufficient crew must be provided or requested of Sadler's Wells in advance. If loading/unloading is deemed unsafe as a result of insufficient crew, Sadler's Wells reserves the right to delay any unsafe activity until such time as additional crew can be deployed.

#### **Loading/unloading**

- The visiting company will have ensured the truck is safely packed, with no dangerously balanced items at risk of falling and injuring any member of any crew. Ideally a plan of the truck, showing the distribution of items within the truck, will be provided in advance (or at least be carried by the supervising member of staff unloading the truck).
- The visiting company will have ensured that boxes, skips and flight cases are safely packed to avoid any unbalanced loads. Weight should be indicated on each item.
- The visiting company will request any necessary lifting equipment (example: forklift truck with driver) in advance of their arrival (should there not be an adequate tail lift or ramp provided on their truck).
- Sadler's Wells will provide lighting should there not be suitable internal lighting on the truck.

#### **Reporting**

- Any and all accidents MUST be reported immediately to a member of Sadler's Wells crew who will ensure that the relevant personnel are informed immediately, in order that all Health and Safety procedures can be followed.
- Near misses MUST be reported to the Chief Technician for Peacock Theatre, and to the visiting company's Technical Director / Company Manager.