

Technical Specifications

The Cochrane Theatre,
Southampton Row,
Holborn,
London
WC1B 4AP

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LOAD IN / OUT

Load in is through the second set of security gates as you turn onto Fisher Street, this will bring you into our shared car park and archway. Access to the stage is through our Workshop via roller shutter.

Maximum vehicle height	H 3.49m
Security gates	W 5.15m x H 3.49m
Workshop doors	W 1.81m x H 2.89m
Roller Shutter onto stage	W 2.43m x H 3.62m

Access is also available through our foyer and into the auditorium at the front of the building. Please note however, there is no easily accessible parking facility outside the front of the Cochrane building.

Double glass swing doors (2 sets of)	W 1.58m x H 2.39m
Double wooden swing doors into auditorium	W 1.68m x H 2.38m

No Parking Is Available At Any Time.

The nearest public car parks are:

Bloomsbury Square Car Park, WC1.	(Max H 1.95m)	Tel. (0207) 405 0662
NCP Museum Street, WC1.	(Max H 1.80m)	Tel. (0207) 836 2039

The area is served by many Public Transport links including:

Tube:	Holborn station, (Central and Piccadilly Lines) is 3 minutes walk away.
British Rail:	Waterloo/Waterloo East, Charing Cross & Euston
Buses:	1, 8, 19, 25, 38, 55, 59, 68, 168, 171, 188, 242, 505, 510, 521

STAGE

Proscenium Arch Opening	W 8.48m x H 4.90m
Approximate Performing Area	W 8.80m x D 8.00m
Approximate Wing Widths	SL 3.96m SR 2.3m
Forestage (four curved steps leading into the auditorium)	W 1.80m x D 2.2m max.

The stage floor is flat, sprung and comprises of black hardboard laid over teak.

The stage area is heated and has extract ventilation.

There is a narrow on-stage cross over W 0.7m. For this to be used a cloth must be hung on Bar 42 (furthest upstage bar).

A safety curtain divides the main stage from the forestage or orchestra pit. In accordance with our licence, this must be lowered at an appropriate point during your event.

A grey Harlequin dance floor is available and suitable for all kinds of dance.

***All measurements are approximate as they depend on the positioning of masking.
It is advised all measurements be checked on site.***

Plans are available in a variety of formats upon request.

Additional Staging - Steel Deck

8 x 8' x 4' (2.44m x 1.22m)
2 x 4' x 4' (1.22m x 1.22m)

Various sized Scaff legs are available

Flying

There are 41 counterweight sets. Please note all bars are Gas Barrel and not Scaff.
There is 150mm space between each bar.
Bar length is 10.20m
Bars 1 to 5 are double purchase.
Bars 7 to 42 are single purchase. Please note there is no Bar 6.
A maximum loading of 350kg is permitted on each bar.
The grid is 14.64m high.

Orchestra Pit

Dimensions	W 8.40m x D 3.9m max.
Height from floor to ceiling (under the lip of the stage)	H 2.14m

The pit can accommodate approximately 20 musicians.

Please note to convert from the forestage to the orchestra pit takes approximately 4 hours and requires at least 4 technical staff.

A site visit is recommended to see the pit construction if you are considering using it.

Auditorium

The auditorium seats 314 and is gently raked.

DRESSING ROOMS

We have 2 dressing rooms available both accommodating 8 artists, with lit mirrored spaces, show relay, costume rail, internal telephone, both have en-suite toilet and showering facilities.

The Female dressing room is located within the Workshop. The nearest stage access is on the stage left side.

The Male dressing room is located off the stage right wing.

GREEN ROOM

The green room is located within the Workshop providing show relay, a desk, a computer (please inform a member of technical staff if you wish to use this facility), a fridge and a kettle.

The green room can accommodate up to 8 people comfortably.

WARDROBE

The wardrobe is located sub-stage, providing a sink, washing machine, tumble dryer, ironing board, iron, show relay and internal telephone.

With the agreement of Camden Council this could be used as a band room or additional dressing room space for 5 artists, but the facilities are limited.

STAGE MANAGEMENT

The prompt desk is situated in the stage left wing and comprises:

- Black and White stage monitor.
- Metro Audio QL8, Eight Station Cue Light System.
- Clock and Digital Show Timer.
- Technical Projects MS721 Communications Master Station (with miked headset).
- Front Of House and Backstage Paging System.

Communications and cue light sockets are distributed adequately around the theatre. There are five cue light units and six belt pack units with miked head sets.

OTHER FACILITIES

The theatre has limited workshop facilities, which are available to the visiting company at the discretion of the Production Manager.

CLOTHS & DRAPES

1 x Set Gold House Tabs (rigged)	H 6.18m x W 10.20m
8 x Soft Black Legs	H 7.00m x W 2.10m
6 x Soft Black Legs	H 8.10m x W 1.00m
6 x Black Borders	H 2.10m x W 10.20m
2 x Full Blacks	H 6.90m x W 10.10m
1 x White Cyclorama	H 6.90m x W 10.10m
1 x Black Gauze	H 6.78m x W 9.64m
1 x Black Gauze	H 7.60m x W 10.20m
1 x White Gauze	H 7.60m x W 10.20m
1 x BP screen	H 9.20m x W 13.50m
2 x Easy fold Projection Screens	H 2.44m x W 2.44m

A selection of hard black legs, flats, braces, stage weights, conduit and sand rolls are available for use.

POWER

104 x Strand STM Dimmers wired one to one to 104 2KW Circuits, all outlets being 15amp. The circuits are split into three areas, each area is on a different phase. 58 circuits over stage, 24 circuits at stage level and 22 circuits front of house.

Please note that there are additional patch boxes FOH that are switchable from stage.

2 x 6 channel 2kW Betapack dimmers tailing to 63a single phase Ceeform inlets are also available for additional channels. These are usually situated on the Brail Floor.

Please see hard patch circuit ground plan.

1 x 63 amp single phase Ceeform outlet at stage level SL. Please note the outlet is approx 2m above stage level.

2 x 63 amp single phase Ceeform outlets on the brail floor SL.

7 x 15amp circuits independently switched from the control box.
4 front of house, 2 at stage level (SL & SR), 1 on brail floor.

2 x 13amp ring circuits, split SL & SR.
8 on stage and 2 on the brail and fly floor.

LIGHTING

Control

Strand 520i (350 Channels, 350 attribute channels, v2.8.6)
Houselights are operated through the lighting desk (DMX channels 511 and 512) or via a manual dimmer situated in the control box.

DMX IN on stage and in the control box.

DMX OUT on the brail floor & FOH.

Stage working lights are operated from stage level.

Auditorium working lights are operated from the control box.

Cabling

A selection of TRS, Grelco's, Trelco's, Socapex and Lectriflex is available.

IWBs & Over-Head Bars

All 5 of our IWBs are fixed on the following bars providing an even and distributed layout with LX 5 positioned for Cyc Floods should bars 41/42 be used for a back-cloth or Cyc.

LX 1	Bar 2	11 Circuits	**Circuit 7 Dead**	Tails Run off to Fly Floor
LX 2	Bar 11	12 Circuits		Tails Run off to Brail Floor
LX 3	Bar 21	12 Circuits		Tails Run off to Brail Floor
LX 4	Bar 31	12 Circuits		Tails Run off to Fly Floor
LX 5	Bar 35	12 Circuits		Tails Run off to Brail Floor

Lantern List

Profiles

16	Source 4 15/30	750W	**8 form part of FOH fixed rig**
9	Selecon 16/32	1kW	
9	Prelude 16/30	650W	
8	Source 4 Jnr 25/50	575W	
6	Cantata 18/32	1kW	
1	Cantata 22/44	1kW	

Fresnels

28	Selecon Rama	1kW
12	Patt 743	1kW
13	Minuette	650W
6	Cantata	1kW
3	Patt 243	2kW
4	Alto	2kW

Par 64s

31	Par 64 CP62	1kW
5	Par 64 CP61	1kW
5	Par 64 CP60	1kW

Floods

12	ADB Cyc Flood	1kW
6	Coda 500/4	500W
3	Coda 500/1	500W
1	Nocturne	1kW

Follow-spot

1	Robert Juliat 'Buxie'	575W
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Effects

8	Apollo 7.25MPU Scrollers
8	Scrolls for the above (#00, #62, #68, L161, L716, L763, L441, #317, L180, L019, L389)
1	Le Maitre MVS Hazer (DMX Compatible)
1	Jem Magnum 800 Smoke Machine
1	Pulsar Super-Maxi Strobe
1	16" Mirror Ball & Rotator (Fixed Speed)
1	UV Cannon

Stands

- 8 Boom Bases
A selection of Floor Stands are available
Various sized Scaff legs are available

Please note that we cannot always guarantee that all the above listed lighting equipment is available. Please check before planning your production.

Rigging

In addition to the overhead LX Bars, there is an accessible Bridge in the auditorium above rows D to F.

An LX bar in front of the control box, at the back of the auditorium.

Two Box Boom Positions DSL and DSR of the stage.

ACCESS LADDERS

1 x Tallescope	Height range 4.60m - 7.50m
1 x A frame Zarge	Height range 3.60m - 6.10m - 8.60m
1 x Pull up Zarge	Max height 5.50m
1 x A frame	Height 2.00m

SOUND

- 14 tie lines from SL to the control box
- 12 tie lines from the orchestra pit to the control box (these are shared with tie lines SL)
- 16 tie lines with 4 returns from SR to the control box
- 6 tie lines from the control room to the amplifiers.

Front of House

- 1 x Soundcraft Live LX7 II 24 Channel Mixing Desk
- 4 band EQ / 6 Auxiliary Sends (4 pre-fade/ post-fade & 2 post fade).
- 1 x Yamaha SPX 900 Processor
- 2 x Electrovoice EVT2230 Graphic Equalisers (27 Way)
- 2 x Denon DN-C615 CD player
- 1 x Sony Atrac3 DSP Type R MD Player

- 3 x Yamaha P7000S Amplifiers
- 1 x Logic System Pro Audio DP2140 Crossover
- 2 x Pro Audio high
- 2 x Pro Audio Bass Bins (FOH)

Fold back

- 1 x Yamaha P2700 350W Amplifier
- 2 x Electro voice S200 Speakers in cradles (Situating USL & USR)

Additional Sound Equipment

- 2 x Pro Audio LM12 Speakers
- 2 x Control Box monitors

1 x Yamaha P3500 Amplifier
1 x Yamaha P50005 Amplifier

2 x DI Boxes

Microphones

5 x Shure SM58 Microphones
2 x Beyer M201
3 x PCC160
2 x Sennheiser MKH416 P48
2 x DS35
2 x AKG C480B

Radio Microphones

2 x Sennheiser EW 112 lapel Radio Microphone
2 x Sennheiser SKM 135 G2 Handheld Radio Microphone

Cables

A selection of patch cable, mic cable, and speaker cable is available

Stands

8 x Boom Stands

Rehearsal Piano

There is an upright rehearsal piano available (not suitable for performance). If the Piano is tuned the cost will be recharged. Please inform a member of technical staff if you would like tuning to be arranged.

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