



# FOUNDATION THEATRES

SYDNEY LYRIC  
Technical Specifications  
December 2023

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## Introduction

This document has some technical information about the Sydney Lyric to assist you in planning a successful season with us. The information within this document is aimed at the Technical Manager, Designers and technical staff, and it is to be read in conjunction with our Welcome Pack.

Please note all dimensions detailed in this document are approximate. Key measurements must be confirmed onsite.

## About our Venue

Detailed information about Foundation Theatres and the Sydney Lyric can be found in our Production Welcome Pack. Here we outline a few key points applicable to the technical team.

### Equipment

The Sydney Lyric Theatre is a bare walls theatre. While every effort is made to accommodate productions with their needs, the theatre does not stock equipment for productions outside of that listed in this document.

### Staffing

Foundation Theatres provides venue technicians who are available to assist with your needs throughout your booking. There is usually a venue technician in the building when you are working within the venue.

We will assist in booking the bump in and bump out crew that you require to assist with a smooth transition into and out of the theatre. We ask that you submit your bump in / out schedules with as much notice as possible to ensure that we can adequately staff these with you. Our Head of Technical Operations will be your main point of contact for the bump in and bump out.

Unless otherwise arranged, we do not provide show crew for your season. It is the responsibility of the hirer to book, contract and pay all crew required to work on the production including bump in and out. Our Head of Technical Operations is able to assist with the sourcing of local crew.

Fire Officers are also required at the theatre whenever there is a performance. These are scheduled and employed by us and are managed by our Head of Technical Operations.

### Health & Safety

Foundation Theatres are committed to having a safe workplace for all. Please refer to the Welcome Pack for information relating to Health & Safety, including Code of Conduct, WHS and COVIDSafe Plans. Additional safety information relating directly to technical department can be found in this document.

## Venue Plans

Venue plans are not included in this document. PDF and DWG versions of venue plans are available on our production portal.

## Auditorium

The auditorium consists of stalls and two balcony levels. Seating maps in both PDF and Excel formats can be found on the Production Portal.

Auditorium capacity can be altered at the touch of a button through the four available modes. Changing the auditorium size takes approximately 45 seconds and does not require any crew. Seating capacity varies depending on orchestra pit and auditorium configurations. For more detail, visit the Production Portal. The auditorium has accessibility seating available. More information on this can be found via the Production Portal.



## Access

### Stage Access

The stage is accessible via a truck lift. Access to the truck lift is via Edward Street. The lift travels up from street level to Basement and Stage levels. Trucks can reverse in only.

Max Truck Height	4.4m
Max Truck Length	48ft
Platform Size	13.7m x 3.5m
Max Weight	25,000kg
Loading Door dimensions at Street Level	3.4m x 4.7m (WxH)
Loading Door dimensions at Stage Level	2.7m x 4.4m (WxH)

The truck lift will be made solely available for your use during the Bump In and Bump Out of your production. Other than during bump in and bump out, if you have large deliveries and require use of the Truck Lift, please contact Head of Technical Operations who will arrange access.

The truck lift cannot be used for storage at any time during the season.

### Traffic Control

A Road Occupancy Licence (ROL) and 6 Traffic Controllers are required for Semi Trailers and other articulated vehicles to manoeuvre in and out of the Loading Dock. Our Traffic Management Company is *Who Dares*, and they will apply for the ROL once the trucking schedule has been received.

The ROL approval can take up to 3 weeks to be processed, therefore it is advisable to get the trucking schedules to the Head of Technical Operations four weeks prior to your bump in and bump out. Our Head of Technical Operations will book the Traffic Control once your trucking schedule has been received.

Non-articulated vehicles can enter and leave the dock without the need for an ROL or Traffic Controllers provided they do so within the flow of traffic, and they do not disrupt the Star's loading dock. At no time should any other person other than Who Dares staff obstruct the flow of traffic.

Entry to the truck lift is shared with The Star. Production vehicles can use the truck lift to load or unload for short periods, however, please note that parking in the truck lift is not permitted at any time. The truck lift cannot be used for storage at any time.

### Loading Dock

The venue does not have a loading dock.

### Goods Lift

A goods lift provides access to all backstage levels of the theatre with internal dimensions of 2.3 x 1.8 x 2.8 (LxWxH) SWL 1800kg. Door dimensions are 1.2m x 2.4m.

### Access Equipment

**Elevated Work Platform:** Genie AWP-36S. Maximum Working Height is 13.1m

**EWP Operation:**

- Outriggers must be installed at all times.
- The log book is to be filled out each day of use.
- The key is to be signed out and returned to the Tech Office at the end of each day

**Ladders**

- 1.8m Fibreglass step ladder
- 1.8m Aluminium step ladder
- 2.75m Fibreglass Platform step ladder

## Stage Door Access

The Theatre is to be accessed and exited VIA STAGE DOOR ONLY. No other access or exit points are to be used other than in an emergency / evacuation. Everyone present in the building is required to sign in and out of the building EVERY time for safety reasons.

***Stage Door is located [at 5 Edward Street, Pyrmont](#). A stage door concierge is required at the theatre whenever any part of the production team is in the theatre. Unless requested otherwise, Stage Door is open for all required hours during bump in, bump out and from 9am – end of show, Tuesday to Sunday in season. Stage Door Concierge will be scheduled by the Head of Technical Operations based on your production schedule. In season we do not have a Stage Door Concierge on Mondays, therefore please do not schedule pickup or deliveries on Mondays without prior arrangement. Stage Door can be reached on an internal phone via extension 3601 or via 9509 3601 from an outside line. Larger deliveries requiring access to the Loading Dock should be arranged through our Head of Technical Operations.***

***Please refer to ‘Security’ section of the [Welcome Pack](#) for more information on Stage Door Access.***

## Stage Specifications

### Stage Dimensions

Proscenium Dimensions	
Width	15.08m
Height	9.03m

Stage Dimensions	
Distance From (SL = Setting Line, CL = Centre Line)	
<i>**The setting line is the US edge of the proscenium wall.</i>	
SL to DS edge of apron	1.531m
SL to DS edge of Orchestra Lift/Pit	4.270m
SL to first fly line	280mm
SL to last upstage fly line	14.66m
SL to sound wall	14.9m
SL to rear wall	31.6m
CL to OP wall (or obstruction)	12.83m
CL to PS wall (or obstruction)	24.48m
Stage to underside of grid	23.42m

Wing Dimensions	
<i>The wing space on each side is obstructed overhead by the galleries starting at a height of 9.7m.</i>	
PS proscenium arch to side wall	16.90m
OP proscenium arch to fly rail	5.19m
Centre to OP fly rail	12.73m
Centre to OP pack rail	12.30m
Centre to PS wall	24.44m
Distance between PS and OP fly floors	22.45 m

Stage Heights	
Stage to underside of grid	23.44 m
Stage to underside of fly galleries (clear)	9.50m
Stage to underside PS ceiling (clear)	8.00m
Stage to orchestra pit floor	2.73m
Stage to auditorium floor	0.95m

Rear Stage
------------

Wall to Wall	15.12m
Depth from sound door to rear wall	16.60m
Height Clear	8.5m

### Stage Construction

Rake	None
Main Stage Area	15.0m wide x 14.0m Deep, commencing 1.5m upstage of proscenium wall.
Surface	The floor is demountable timber floor. The floor is 24mm structural ply covered with Masonite. Stage Floor surface is painted.
Load Limits	Stage distribution load limit $\approx$ 7.5kPa Stage point load limit $\approx$ 4.5kPa

### Flying System

The flying system is a single purchase counterweight system, situated on the OP side of the stage which can be operated at stage level or 1st fly floor level. The system is manually operated.

Number of counterweight line sets	95 (96 including H/C line)
Batten length	19.5m
Batten material	RHS 75mm x 50mm
Batten spacings	150mm centres
Lineset load capacity	750kg
Cradle load capacity	500kg
Batten drift	22.47m
Pick-ups per lineset	6
Pick-up centres	3.60m
Number of cradle extenders	10
Load capacity of cradle extenders	250kg
Wire type	6mm dia. 6x19 Fibre Core Galvanised rope
Access Hatch	There is an access hatch in the grid with beam over, for the lifting of machinery to the grid via chain motor

A hanging plot is available for download on our production portal.

### Safety Curtain

The theatre has a safety Curtain installed. It is 280mm thick.

The safety curtain must be brought in at the end of each day and when venue is not in use. The safety curtain must be unobstructed at all times when stage is not in use. If a show deck is in use a fire barrier must be incorporated into the deck under the fire curtain.

### Drapes

The venue has drapes available for use if required. Charges apply for use of drapes. Please contact the Head of Technical Operations to enquire about use of drapes.



The house curtain is black velvet with gold fleck. borders, legs, tabs and side masking can also be made available as follows:

Type	Material	Colour	Width (mm)	Height (mm)	Quantity
House Curtain	IFR Velvet w/ Gold Fleck with separate backing	Black & Gold			1
Borders	IFR Wool	Black	21500	5000	6
			18000	3000	2
Legs	IFR Wool	Black	5000	11000	12
Tabs	IFR Wool	Black	12000	11000	1 pair
Smother	IFR Wool	Black	20500	11000	1
			18000	9000	1

### Orchestra Lift & Pit

The Sydney Lyric has a motorised orchestra pit. The pit lift can be adjusted to any position. Most common positions include stage level, stalls level and orchestra pit level.

Set position for orchestra lift at auditorium level	0mm
Stage level	980mm above auditorium
Orchestra pit level	2710mm below auditorium
SWL of orchestra lift	11,000kg

The most common pit positions are as follows:

1. Small Pit
  - The small pit area is approximately 42 square metres and is situated on the pit lift under the stage overhang. The small pit is suitable for approximately a 20-piece orchestra.
2. Large Pit
  - The large pit area is approximately 100 square metres and is situated on the pit lift, under the stage overhang and fixed platform. The large pit is suitable for approximately an 80-piece orchestra.
3. No pit
  - If a pit is not required, the lift can be set at auditorium level or stage level as a thrust stage. The pit rail can then be removed.
  - There are approx. 40 Orchestra Chairs & Music Stands available.

Seat kills for the two pit sizes can be seen on the excel seating maps provided on the Production Portal.

### Rigging

- Rigging points are available DS of the proscenium.
- Advance truss can be rigged across various positions through the LX bridge ceiling openings.
- Steel beams for motor points in the grid are available.
- A site visit is essential to determine locations for rigging points DS of the proscenium.

### Power

Power is located throughout the building in the form of single and three phase outlets. Please enquire for more information. A breakdown of major power sources is provided below.

Location	Amps	Detail / Accessories
Side Stage DS-Prompt	2 x 400	Power-Lock Mains Connection

Stage US-Prompt	150	Power-Lock Mains Connection
Substage DS-Prompt	100	Power-Lock Mains Connection. Independent earth

## Lighting Specifications

### Stage Lighting

The lighting control room is situated at rear of Stalls.

<b>Dimmers</b>	No stock dimmers
<b>Lanterns</b>	No stock lanterns
<b>Lighting Bars</b>	Adjustable per production needs. Flat trussing in 3 metre and 1.5 metre lengths sufficient for 5 lighting bars.

### Lighting Positions

<b>FOH Bridge # 1</b>	
Setting Line to Lighting bar	15.5m
Usable bar width	19.2m

<b>FOH Bridge # 1</b>	
Setting Line to Lightening bar	15.5m
Usable bar width	19.2m

<b>FOH Bridge # 2</b>	
Setting Line to dress rail	17.5m
Setting Line grand rail	21.75m

<b>Follow Spot Room</b>	
Setting Line to Front of Room	26.5m
Setting Line to Bar each side of room	26.5m

<b>Truss in front of Follow Spot Room - if used can affect sightline of followspots</b>	
Setting Line to Truss	25.5m
<b>Follow spot perch OP &amp; P</b>	
Setting line to lighting bar	26.1m
Usable bar width	2.5m
Notes	A 6m section of truss separates the two perches.

<b>Dress Circle Balcony Bar</b>	
Setting line to lighting bar	17.3m

Usable bar width	19.2m
Notes	Curved railing

<b>Grand Circle Balcony Bar</b>	
Setting line to lighting bar	22m
Usable bar width	19.2m
Notes	Curved railing

<b>FOH Perches (PS &amp; OP)</b>	
Setting line to lighting bar	14.95. <i>Distances are to the highest downstage point of boom or perch.</i>
Dimensions	7800 x 1620
Notes	Hanging structure is adjustable per production requirements.

<b>FOH Booms (PS &amp; OP)</b>	
Setting line to lighting bar	19.14m. <i>Distances are to the highest downstage point of boom or perch.</i>
Dimensions	1000 x 1620
Notes	Hanging structure is adjustable per production requirements.

- In-house rigging for Box Booms and Perches may be changed to suit the needs of the production. Changes to be returned to venue standard at end of your season.

## House Lights

Independent control: Houselights are controlled via an in-house dimming system. The house light system cannot be connected to the LX Console. Houselights are adjustable on request. Control positions are the Lighting booth, Prompt corner and Auditorium (production desk). Fade time adjustable is available by request to the Head of Technical Operations.

## Audio Specifications

### Control Position

The audio control position is located in the rear centre of the stalls in a dedicated position, in front of the sound control room. No seat kills are required.

The Sound Control Room is located in the rear of the stalls, prompt of centre. It contains venue sound equipment such as hearing augmentation amplifier and patch panels. It should be kept clear of production equipment as it is used during season for audio description. No seats kills are required for this room.

### Paging

SM paging and program relay to all relevant backstage areas.

Show feed audio from sound desk is required for dressing rooms, foyers, function rooms, hearing loop and the like.

### Cabling

Sound surround and delay speaker positions have been installed throughout the theatre. Each point is wired with signal, power and speaker wiring. Patch bay is located in the substage with banana outputs & XLR for each position. Drawings are available on the Production Portal. Please note that speakers are not provided by the venue.

### Closed Captioning

Closed captioning can be installed for performances using GoTheatrical Captioning software. In addition to having captions displayed around the theatre, patrons can also download the GoTheatrical app to view captions on their personal devices.

### Hearing Loop

A Hearing Loop is available in various areas of the Stalls and Dress Circle. Hearing Loop map is available under *Accessibility* on our Production Portal.

There is also an RF system with a headset and belt pack available for patrons. These can be collected from Patron Services by patrons as required.

## Backstage

### Rehearsal Room

The main rehearsal room is located on the level 1 of the theatre. Specifications as follows:

- 12m x 9 m
- Biltflor dance floor
- Mirrors cover the length of one wall
- Permanently installed Ballet Bars on 2 walls
- Black drapes can be used to cover mirrors as required
- There is a small sound system installed in the room with a 3.5mm jack input
- Access via Stage Door or by goods lift, which is 2.4m x 2.7m.

The following guidelines apply to use of the rehearsal room:

- Tap dancing is not permitted on the rehearsal room floor at any time unless protective sheets are used.
- The Rehearsal Room is made available to you for the period detailed in your hire agreement. Outside of your periods of exclusivity, we may take 3<sup>rd</sup> party bookings for the room. If you would like to book the rehearsal room for use outside of your exclusivity periods, please do so through our Head of Technical Operations. Charges may apply.
- The rehearsal room should be left clean, tidy and clear of other stored items such as road cases, stillages and mega bins.



## Greenroom

The Green Room 13m by 14m with a full kitchen, pool table, vending machines and numerous couches and tables for eating and relaxing. An outdoor balcony is attached where smoking is permitted.

The green room includes tea & Coffee facilities, oven, stove top, fridge, freezer, microwave, drinking water, crockery and cutlery.

## Dressing Rooms & Management Offices

The venue has an array of dressing rooms and management offices for your use. The breakdown of rooms is as follows, and drawings can be downloaded on the Production Portal.

Dressing Room	Level	Capacity	Toilets	Shower
Dressing Room 1	Stage	1	Yes	Yes
Dressing Room 2	Stage	1	Yes	Yes
Dressing Room 3	Stage	1	Yes	Yes
Dressing Room 4	Stage	1	Yes	Yes
Dressing Room 5	Stage	1	Yes	Yes
Dressing Room 6	Stage	1	Yes	Yes
Dressing Room 7	Stage	1	Yes	Yes
Dressing Room 8	Stage	1	Yes	Yes
Dressing Room 9	Stage	1	Yes	Yes
Crew Room	Stage	20	No	No
Dressing Room 10	Level 1	5	Yes	Yes
Dressing Room 11	Level 1	4	Yes	Yes
Dressing Room 12	Level 1	4	Yes	Yes
Dressing Room 14	Level 1	10	Yes	Yes
Dressing Room 15	Level 1	4	Yes	Yes
Dressing Room 16	Level 1	14	Yes	Yes
Conductors Suite	Sub-Stage	1	Yes	Yes
Orchestra Room	Sub-Stage	20	Yes	Yes

## Laundry / Wardrobe

The wardrobe room is located on Level 1 next to the Rehearsal Room. It is approximately 13m by 5.5m with an adjoining laundry. Two drying cabinets are also available. A wig room is separate from Wardrobe and measures 6.7m by 4.9m with benches, sinks and flammables cabinet. The wardrobe room includes:

- Washing Machine x 3
- Dryers x 3
- Iron / Ironing Board x 3
- Clothes Racks x 15

## Props Room

Props room with work benches is located on stage level next to the crew room. It includes flammables cabinet and lockers.

## Communications

**Paging / Show relay** - A connection point for a stage managers microphone is available in the DS prompt corner. Paging to the dressing rooms is available from the Prompt corner as well as the Stage Managers office. Show relay is distributed to all dressing rooms and green room. Each room has an individual volume control.

**Stage Monitor** - Show feed monitors are installed in the foyers, either side of the stage on the rear of the proscenium wall, in all stage level dressing rooms (1 through 9), in most offices and in the green room. The camera is located at centre of the Dress Circle rail and must be on at all times.

## Additional Production Facilities

The below is available for your use throughout the term of your hire as required.

- 2 stage access treads which are 1200 x 750 x 800 (DxWxH). Step height 220mm
- 2 bare production desks 2.4m by 1.2m.
- 2 Upright Pianos, refer to Welcome Pack for more information
- A supply of orchestra chairs and music stands
- 4 Trestle tables
- A number of chairs for use backstage as required

## IT & Phones

Information relating to WIFI, IT set up and phones, please refer to the Welcome Pack.

## Guidelines & Safety

### General Theatre Guidelines

- Smoking is not permitted in the venue. Smoking is only permitted in the designated smoking areas.
- Smoking, matches, pyrotechnics and other naked flames are prohibited on stage unless written permission is granted. If you require this, please contact the Director of Operations.
- Road cases can only be taken into the auditorium and foyers upon request and only with the prior approval of a member of our technical team. Any road cases taken into the auditorium should not be left to sit against the seats and should be removed as soon as practically possible.
- When production desks are used, seat covers must be placed between any production desks that sit on the seats. Please ask a member of our technical team for the covers.
- All empty road cases to be removed from the theatre as soon as practically possible, there is no empty road case storage in the theatre.
- Gaffa tape is not to be used on the auditorium or foyer carpet.
- You must not chock open or otherwise interfere with the operation of the Fire Doors.
- Pets are not permitted in the theatre without written permission by the Director of Operations.
- Illegal substances and alcohol are not permitted in the venue. Refer to Welcome Pack for more information.

## Alterations & Make Good

We understand that alterations to the theatre may be required for your production and we are here to assist with ensuring that your physical production can be realized in our venue to its full potential. Should your production require alterations and modifications to the building fabric, our Head of Technical Operations will work closely with you and your design team to make sure that such changes can be made to the theatre in a manner that is mutually satisfying, whilst ensuring that the building code requirements are met. As you approach the end of your season, we will again work with you to ensure that the theatre is reinstated to its original condition prior to the conclusion of your bump out.

If significant works are required, we ask for as much prior warning as is practical to ensure that these can be achieved in the manner required.

## WHS

Our WHS policy will be provided to you separately. In accordance with NSW WHS legislation, a comprehensive risk assessment is required prior to your arrival at the theatre.