



# New Theatre Royal Venue Technical Specifications 2024

NEW  
THEATRE  
ROYAL  
PORTSMOUTH

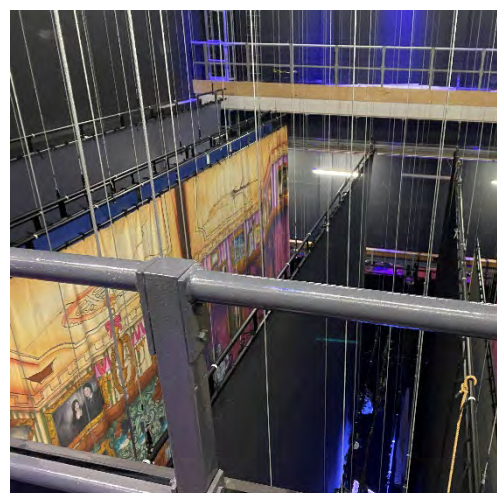
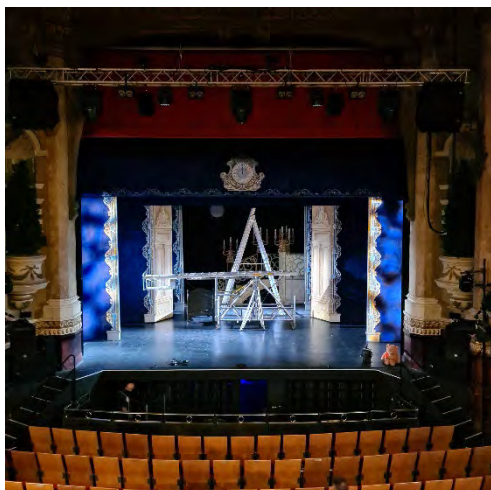
April 24

# Welcome to the New Theatre Royal, Portsmouth



## Technical Specification

New Theatre Royal is one of the last remaining Phipps/Matcham theatres in operation. After a backstage rebuild in 2015, New Theatre Royal has a modern and adaptable stage and back of house alongside a beautiful Victorian Auditorium at a capacity of 648.



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# 1- VENUE SPECIFICATION

## 1.1 MAIN STAGE

The main stage is an open plan clear space with no rake.

### 1.1-1 STAGE LEFT

All larger stage power is located stage left with a 32/3, 63/1 and 125/3 available. Further stage power can be made accessible with 16 amp lines dropped from the fly tower.

Motor bar control is also located stage left alongside the standard hazer position. The main audio and data patch bay is also situated stage left.

Stage loading bay is located mid stage left and is accessible from street level. NTR has a ramp to bring equipment down to stage level.

### 1.1-2 STAGE RIGHT

The prompt desk is located stage right and is equipped with stage monitors, cue light system and comms base station. All pyrotechnics are fired from this position.

The flying system is also located in the stage right wing with the flies operating position three floors above in the fly tower.

Front of house access is located on stage right and can be accessed without entering the auditorium.

### 1.1-3 STAGE FLOOR

Stage Floor - 6mm oil tempered hardboard on 25mm plywood

Stage floor loading - 7.5kN per m<sup>2</sup>, 500kg point load.

### 1.1-4 STAGE DIMENSIONS

Stage depth (full stage) - 11.888m

Stage depth (to iron line) - 1.15m

Downstage width - 15.062m

Midstage width - 14.619m

Upstage width - 15.56m

Narrowest point - 13.728m

Proscenium arch width - 8.670m

Proscenium arch height - 8.399m

Fixed house border height - 6.060m

## 1.1-5 LOADING BAY

The NTR Loading bay is located Stage Left and is direct onto stage. The loading bay is at street level and no lifts are required to get from street to stage. The loading dock is 3.876m high and 3.29m wide, the stage is 0.6m below street level and can be accessed via a ramp.

## 1.1-6 SCENE DOCK

The NTR scene dock is located upstage left with direct access to the stage and the workshop. Storage space is limited and the scene dock is also home to our steel deck, telescope and ladders. If you have any particularly large pieces of scenery, please get in contact with the technical manager. The scene dock is 9.598m high

## 1.2 ORCHESTRA PIT

The Orchestra Pit is set below stalls level with access from the substage and can accommodate up to 13 musicians.

The pit has a 13 amp ring main for back line and stand lights

The stage access treads are situated either side of the pit and are not removable.

The orchestra pit access is through sub-stage only.

Multiple configurations to allow stage height, auditorium height and full depth. Auditorium height is the standard position and any requirements to change this must be made in advance.

### 1.2-1 DIMENSIONS

The orchestra pit is 7m long by 2.047m wide. The pit is configurable in multiple different positions, these are, Stage height, auditorium height and full depth. At full depth, the pit is 1.973m below the stage and 0.824m below the stalls.

### 1.2-2 POWER

The orchestra pit contains a 13 amp ring main to power all musicians equipment, if further power is required, 16 amp lines can be fed into the pit.

### 1.2-3 CAPACITY

At full depth, the orchestra pit can fit 13 musicians depending on size of instruments. It is recommended that drummers and percussionists use the substage area to allow for more space in the pit and for better control of sound.

## 1.3 MASKING

Fixed house Border at 6.060m.

SR side blacks set at 1.319m from SR wall.

House legs standard position set at 4m from centre.

## 1.4 FLYING & RIGGING

23x single purchase counterweight fly bars 11.5m width 500KG UDL, set at 400mm centres

1x single purchase counterweight fly bar 9m width 500KG UDL

1x downstage motorised bar 11.5m width 750KG UDL

House tabs operated from prompt position downstage right

Traditional, plain safety curtain. Safety curtain line **must** be left clear at all times.

#### 1.4-1 RIGGING (BY ARRANGEMENT)

The fly-tower has a walk-on grid accessed via the loading gallery. The standard rating for hanging points is 1000KG. Only authorised personnel are to access this grid and any rigging must be carried out under the supervision of an NTR rigger.

All rigging requirements must be confirmed 28 days before the get-in date. Please contact the technical team in advance if you require any rigging arrangements.

#### 1.4-2 ACCESS EQUIPMENT

1x Tallescope 50524 - maximum reach 9.5m. Use of the tallescope is restricted to persons who have completed the required course in advance. All NTR technical staff have been trained.

1x 14 rung Zargees A frame ladder

1x 9 rung step ladder

### 1.5 LIGHTING

The main house lighting system is operated on an ETC Ion Classic running Eos v3.2 allowing for 2 universes. ETC net 3 gateways allow for a greater number of DMX universes distributed over SACN when used in conjunction with a touring desk. DMX data is distributed over CAT6 tie lines however 5 pin data can be made available in all positions. The main operating position is located at the back of the stalls in the centre next to the sound system. There are 196 dimmer channels in-house fed by Zero 88 chilli pro 2401i bypass dimmers at 10 amp per channel distributed via 6 way Socapex outlets.

### 1.6 SOUND

The main house infrastructure runs over Cat6 between the desk and the DSR corner.

The house PA is situated SL/SR on the proscenium and is mirrored on the advance truss.

The control position is situated at the rear of the stalls and is not moveable.

### 1.7 WORKSHOP

The workshop is adjacent to the main stage and can be used to repair damaged set pieces. The workshop contains a large selection of woodworking tools and electrical tools.

## 1.8 DRESSING ROOMS

There are 4 dedicated dressing room spaces split between the ground floor and the first floor.

Dressing Room 1 - immediately behind stage, accommodates 1-3 people with en suite and shower facility.

Dressing Room 2 - Immediately behind stage, accommodates 1-3 people with an accessible shower and en suite.

Dressing Room 3 - First floor, accommodates 8-10 people with en suite and shower facility.

Dressing Room 4 - First floor, accommodates 8-10 people next to accessible toilets and showers.

## 1.9 LAUNDRY

New Theatre Royal has a top loading washing machine and tumble dryer in house which are available for costume cleaning. There is a £7 charge per day for use of the laundry or a £30 charge for the week. An iron and ironing board are also available on site at no extra cost. Use of the laundry must be arranged in advance.

# 2 - EQUIPEMENT SPECIFICATION

## 2.1 LIGHTING

### 2.1-1 FIXTURES

9x Prolights Studio Cob FC

6x Prolights Lumipix 12Q tour Battens

14x Source 4 19 degree profiles

1x Starcloth

2x 400w Black UV cannons

### 2.1-2 GOBOS

GOBO	IMAGE	SIZE	QUANTITY
DHA M109	Forest trees	M	5
DHA M1213	Castle	M	1
DHA B953	Sticks	B	1
DHA M405	Woodland breakup	M	13
Roscoe/DHA 78423	Stamp Breakup	B	1
DHA M579	Dense Breakup	M	1
DHA M8102	Haunted House	M	1
Unlabeled	Box Office	M	1
Roscoe Broadway 1 308	Broadway	M	1
Unlabeled	Street	M	1
Roscoe Custom	New York	M	1
Goboland Moon and Stars	Moon and stars	M	1
DHA B99225	Stars	B	1
Roscoe M958	Waves	M	1
BHA B402	Waves	B	1
Roscoe (unreadable)	Waves	B	1
Roscoe M177	Lightning	M	1
Roscoe M178	Lightning	M	1
DHA M99501	Mist	M	1
DHA M635	Dots	M	1
DHA M508	Bars	M	1
DHA 838	Palm Tree	M	1
Rosco 77501	Linear 3	B	1
DHA M238	Windows	M	2

### 2.1-3 DESK

1x ETC Ion 1024 Lighting Console

1x ETC fader wing (40 faders)

2x Illyama Touch screen monitors

3x ETC NET 3 Gateways



## 2.2 SOUND

### 2.2-1 MICROPHONES

- 4x Sennheiser G3 wireless receivers
- 4x Sennheiser G3 wireless headset packs
- 2x Sennheiser G3 Wireless handheld microphones
- 5x Shure SLX wireless receivers
- 4x Shure SLX wireless headset packs
- 2x Shure SLX wireless handheld microphones

### 2.2-2 SPEAKERS

- 2x EV EVF-1152D/96
- 4x EV EVF-1152D/94
- 2x EV QRx218s Subwoofers

### 2.2-3 DESK

- 1x Allen and Heath SQ 7 Mixing Console
- 2x Allen and Heath DX 168 Stageboxes

# 3 - CONTRACTS AND RECHARGES

## 3.1 STAFFING

Item	Cost
Extra technician	£18.50 per hour per technician (min 4 hours)
Followspot operator	£18.50 per hour per operator (min 4 hours)
Over contracted hours	£18.50 per hour per technician
Pre-rig	Please inquire, price may vary.
Pit reconfigure	Please inquire

## 3.2 EQUIPMENT

Item	Daily	>3days
Follow spots	£25.00 per spot	£75.00 per spot
Starcloth	£60.00	£180.00
Projector	£70.00	£210.00
Wireless headset microphone	£30.00 per microphone	£90.00 per microphone
Wireless handheld microphone	£25.00 per microphone	£75.00 per microphone
Steel deck	£5.00 per deck	
Confetti drop set up	£10.00	
confetti per drop	£10.00	
Pyro delivery	£20.00	
Pyro set up	£45.00	
Haze	£7.00	
Laundry	£7.00	£30.00

# 4 - HEALTH AND SAFETY

## 4.1 INTRODUCTION

The policies outlined below have been written by New Theatre Royal to promote a safe working environment with an active focus on health and safety. The following policies apply to all works carried out by third parties at the venue.

New Theatre Royal reserves the right to terminate any work that does not comply with the policies outlined below at the visiting company's expense.

## 4.2 ARRIVAL AT THE VENUE

Upon arriving at the venue, visiting companies should report to the Duty Stage Manager and provide a breakdown of all staff expected on the day.

In the event of an evacuation, your responsible person must take this list to the muster point located outside the purple doors of the University of Portsmouth building to the right of the venue and check that all staff are accounted for.

All crew should arrive with the suitable PPE including - Safety footwear, Hard Hats and Hi Vis jackets.

## 4.3 SMOKING, DRUGS AND ALCOHOL

New Theatre Royal employs a ZERO tolerance policy against drugs and alcohol. New Theatre Royal reserves the right to expel any person suspected to be under the influence of drugs and alcohol.

Smoking is NOT permitted at New Theatre Royal at any time. Any persons breaching this will be asked to leave the building immediately to comply with the Smoke Free regulations 2006 and Health act 2006.

## 4.4 BASIC REGULATIONS

All work carried out at the venue must be in accordance with both Statutory and Company regulations and all their amendments.

The visiting company is responsible for any act of omission carried out by the employer, employees and sub-contractor while at the venue and shall ensure that they comply with these rules.

It is essential that ALL members of the visiting company read and comply with these rules and regulations and any instruction given by a member of the New Theatre Royal team.

## 4.5 HEALTH AND SAFETY POLICY

The Health and Safety at Work act 1974 requires any company that employs more than five people write and distribute a safety policy to all staff. New Theatre Royal reserves the right to request to see the visiting company's policy at any time. New Theatre Royal shall be able to produce their own policy upon request.

#### 4.6 ACCESS AND USE OF VENUE EQUIPMENT

The following areas are restricted to New Theatre Royal staff only without express permission from the Technical Manager -

- Stage and SubStage
- Fly Floor
- Grid
- Workshop
- Front of house roof void
- Plant room

The following equipment must only be used by New Theatre Royal staff -

- Front of house Truss
- Downstage motor bar
- Fly system (unless under supervision of New Theatre Royal Flyman)
- Tallescope (unless under supervision of New Theatre Royal staff and sufficient qualification proven)

#### 4.7 PYROTECHNICS, SMOKE AND LASERS

All special effect and laser risk assessments MUST be supplied to the Technical Manager no less than ONE MONTH before the scheduled get in date.

Data sheets must be available for all pyrotechnics and COSHH related items. Any pyrotechnics, paints, fluids and other COSHH related items must be stored correctly and safely.

Smoke and haze effects are to only be used in well ventilated areas after authorisation given by a member of the New Theatre Royal team.

Pyrotechnicians are to only be fired by a competent person. A competent person is defined as someone who has had sufficient training and knowledge to carry out a given task. A test fire must be arranged before the first rehearsal of the show in a controlled scenario.

#### 4.8 SHOW INFORMATION

All relevant show information including, but not limited to; riders, risk assessments, production schedule and proof of liability insurance must be sent to the Technical Manager no less than ONE MONTH before the scheduled get in date. Any show related information requested by the Technical Manager, Front of House Manager or the Operations Director must be given in a timely fashion.

#### 4.9 FIRE AND EVACUATION PROCEDURE

If you discover a fire, immediately activate the nearest call point and immediately leave through the closest fire exit and make way to the muster point at the purple doors of the University of Portsmouth building. The Technical Manager shall inform the visiting company of any planned fire alarm testing.

In the event of an evacuation during a show, all crew behind the iron line will evacuate through the stage door and make their way to the muster point. Any persons working in front of the iron line will evacuate through the main fire exits at the front of the building and make their way to the muster point. Under no circumstances should anyone reenter the building without express permission from the duty stage manager. Any disabled persons behind the iron line should evacuate through the stage door and make their way to the muster point. Any disabled persons in front of the iron line should evacuate through the accessible white swan exits.

In the event of a bomb or incendiary device threat, an evacuation will take place. This will occur under a similar procedure as a fire evacuation however the safe evacuation route may change depending on the location of the device.

#### 4.10 ACCIDENT REPORTING

The visiting company shall report any accident that results in injury or damage to the building in accordance with statutory requirements. In addition, the accident should be reported to the designated responsible person as well as the Duty Stage Manager. Any incident that does not result in an injury or damage must also be reported to the Duty Stage Manager who will fill out the appropriate incident report form.