

# NORTHAMPTON DERNGATE

## TECHNICAL INFORMATION

Updated: December 2020

### CONTACTS

Address: 19-21 Guildhall Road, Northampton, NN1 1DP Telephone - 01604 626222  
Stage Door: Derngate, Northampton, NN1 1TU

Technical Manager – Steve Jarvis ([steve.jarvis@royalandderngate.co.uk](mailto:steve.jarvis@royalandderngate.co.uk) )  
Head of Stage – Matt Revell ([matt.revell@royalandderngate.co.uk](mailto:matt.revell@royalandderngate.co.uk) )  
Head of Lighting and Sound – Chris Waite([christopher.waite@royalandderngate.co.uk](mailto:christopher.waite@royalandderngate.co.uk))  
Web- [www.royalandderngate.co.uk](http://www.royalandderngate.co.uk)

### Health & Safety

Royal and Derngate is a health and safety conscious environment.

- We have a blanket safety shoe policy for all in house staff, visiting company technical, stage management and support staff and contractors when work activities are taking place.
- Hard hats are provided and are to be worn by ALL personnel on stage and in the auditorium whenever:
  - Bar or overhead rigging is happening
  - Using access equipment
  - There is a risk of falling objects
  - The in house Duty Stage Manager deems appropriate
- Harnesses are to be worn as work restraint where appropriate by ALL personnel. Spare harnesses are available upon request. Tallescope users are also required to wear a full body harness and clip into the lanyard provided in the tallescope basket.
- Access above stage level is for house staff only. Visiting company personnel must be accompanied at all times when accessing areas above stage level.
- No soft cheeses, except Brie allowed downstage of fly bar #8.
- Walking on truss at height is deemed as inappropriate and an unnecessary risk. Truss walking is to be done ONLY as a last resort and at the Duty Stage Manager's discretion.
- While rigging bars and overheads, only the Duty Stage Manager and Chief LX can communicate bar movement to the flyman, any changes to this procedure are done at the Stage Managers discretion.

**The Duty Stage Manager has overall responsibility for all operations in the technical spaces at Royal & Derngate at all times. As such the Duty Stage Managers word is absolute and final**

## **THE VENUE HAS THREE MAIN FORMATS –**

- **CONCERT** (For seated Classical / Pop / Rock concerts)
- **LYRIC** (Theatre style with proscenium arch)
- **STANDING** (Litedeck stage – 12m Wide x 9.7m Deep x 1m High)

## **STAGE**

Wing Wall to Wing Wall	28 metres (91.86ft) (Lyric Theatre Format) 18.5 - 19 metres approx (Concert Format)
Stage Depth	12.6 metres (41.33 ft)
Height to Grid	22 metres (72.17 ft)
Proscenium Width	14 metres (45.93 ft) (Lyric Theatre Format)
Proscenium Height	11.4 metres (37.4 ft)
Flying Bar Width	17 metres (55.77 ft) (see “FLYING” below)

## **PERFORMANCE AREA**

Generally rigged at approximately 12 metres (40 ft) wide and 9.5 metres (31 ft) deep, set from house tabs. Borders flying at 6.5 metres (21 ft). Floor covering is linoleum over plywood mounted on rubber dampers. The wings are linoleum over concrete. The stage is not raked. Drilling into the stage surface is not permitted.

## **ORCHESTRA PIT**

*Rows A to D have to be removed to be able to use the orchestra pit.*

Length:	16m
Width:	4m for 4m either side of centre, narrowing to 2m
Height to Stage:	Variable

## **GET-IN**

Roller shutter door at stage right, 5.48 metres (18 ft) x 2.59 metres (8.6 ft) into tower storage area/scene dock 11.58 metres (38 ft) from side stage. Flat floor to stage.

*Please note that the loading ramp is at an incline to the dock with the tractor unit being significantly higher than the trailer loading doors. Please ensure that load bars and tie downs are used and that flight case brakes are applied as appropriate. Badly packed/loaded trailers will not be unloaded by house crew.*

## **MASKING**

Full black box, 4 sets of black legs, 9 metres (39.52 ft) drop by 4 metre (13.12 ft) width, usually rigged on bars 3A (hemp pick-ups) 14, 23 and 32, 5 black borders at 3 metre (9.84 ft) drop by 17 metre (55.77 ft) width including house border on bar 3. We also have a set of full black tabs, size 9 metre (29.52 ft) drop by full bar width with centre split and two full blacks, 9 metre (29.52 ft) drop by full bar width with no gather and no split.

## **FLYING**

Stage floor to grid is 22 metres (72 ft) with 41 double purchase counterweight sets at 450kg UDL. All bars are 50mm outside diameter steel suspended over 5 lines.

General spacing between bars is 200mm (7.87 inches) but be aware of the acoustic ceiling reflectors between bars 5/6, 21/22, 34/35. The spacing between these bars is approx 1 metre. The reflectors are not removable.

Rigging Positions are available in the Grid, only from main RSJs. In-house load spreader bars provided. There is the facility to fly a FOH truss, max of two point loads rated at 1 Tonne each. \*Please see note regarding sound desk hoist in the "SOUND" section of this tech spec. as this has a bearing on using FOH points.

Three FOH motorised advance bars also exist in bays 1 & 2, rated at 300 kg each.

Also, please note that the counterweight bar widths on bars 36-39 decrease to allow for the shape of the rear stage.

Bar 39 also has 2 side extensions picked up on hemp for a static wrap-round on the back wall.

## **ACCESS EQUIPMENT**

1 of Tallescope (Model 50524) max working height 9.5m

1 of Zarges 3x6, max working height 4.0m

1 of Zarges 3x12, max working height 8.0m

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## **LIGHTING**

FOH fixtures are part of a fixed rig, any fixtures removed or moved for a performance will be re-instated as part of the get out at cost to the visiting company. Additional loose equipment to FOH is as follows:

- 30 of 1kw Starlette Fresnel
- 18 of Source 4 Profile (15°–30°)
- 6 of 2kw ADB Fresnel
- 50 of 1kw Par cans - mixed head
- 2 of Limelight 2kw Xenon Follow Spots

## **CONTROL**

- 1 of ETC Avab Congo
- 192 of Circuits - 11 5kw, 181 2.5kw, split into:

<u>2.5kw</u>	<u>5 kw</u>
60 FOH	3 FOH
10 stage	3 stage
50 S.L Fly Floor	5 S.L. Fly Floor
72 S.R. Fly Floor	

## **ADDITIONAL**

8 of 8 way I.W.B's to S.L. Fly Floor  
Various multicores, spiders etc to S.R. Fly Floor  
8 of Thomas boom stands

*Please note that we only stock LEE colour and all colour is pre-cut, if you require colour to be cut there will be a contra charge.*

## **FOLLOW SPOTS**

2 of Limelight Mk1 2Kw Xenon, located at rear of upper circle. There is a charge for the provision of follow spots or operators.

## **POWER SUPPLIES**

### **Up Stage Left:**

Separate 3Ph & 1Ph supplies terminating as follows:

Three Phase: (Max Total Load 200A/Ph)	Single Phase: (Max Total Load 100A)
1 set of 200A TPNE Power-Loc	2 of 13A Domestic Sockets
1 of 125A Cee-form	1 of 32A Single phase Cee-form
2 of 63A Cee-form	1 of 63A Single phase Cee-form
1 of 32A Cee-form	

### **Scene Dock:**

Single 3Ph Supply with maximum total load of 400 A/Ph\* terminating as follows:

Three Phase:	Single Phase:
1 set of 200A TPNE Power-Loc	2 of 13A Domestic Sockets
1 of 125A Cee-form	1 of 32A Single phase Cee-form
2 of 63A Cee-form	1 of 63A Single phase Cee-form
1 of 32A Cee-form	

*\*This supply also feeds one of our house dimmer racks. If house dimming is to be used the maximum total load should be de-rated by 100A/Ph.*

### **Please Note:**

- *All supplies carry standard RCD protection devices.*
- *Terminations to house supplies are to be carried out by house technical staff only.*
- *There are no tailing facilities with any of our supplies.*

## **SOUND**

House System Comprising of:

Yamaha M7CL48	48 analogue inputs and 16 omni outputs or fitted with up to 3 of Auvitran Ethersound cards.
Yamaha QL-1	16 analogue inputs and 8 omni outputs or can be fitted with up to 2 of Auvitran Ethersound cards.
Stage Box	Ethersound networked system with up to 40 sends via 5x AD8HR and up to 16 returns via 2x Yamaha DME8io-ES. Stage box can be located anywhere there is a network patch point. Stage box has capability for analogue splits (first 32 inputs) – <b>on stage monitoring can be supplied, please check for availability and costs</b>

2 of Meyer MTS-4A full range cabinets as Left & Right Ground stacks.

1 of Central hang of 1x Meyer 600HP plus 8x Meyer M'elodie Line Array, plus 3x UPJ-1P to cover sides and rear when 'in the round'.

3 of Meyer UPJ-1P for upper circle delays.

The whole system is controlled via a Yamaha DME network over standard ethernet infrastructure. Main system can be fed by ethersound or 3 analogue feeds to: L,R & Cluster at the control position.

### **Loose Equipment:**

8 of L'acoustics 112P powered wedge monitors

Various mics – Shure/AKG/Sennheiser

BSS D/I's

Various mic stands

**Please check for availability of loose equipment.**

Live mixing at rear left of stalls, no overhangs with a multicore run of 65 metres. PLEASE NOTE: ***Other than for standing format shows, visiting company sound desks are lifted into position by a winch hoist system. Because of the configuration of the hoists, the sound desk must be put in position BEFORE any advance lighting / sound trussing is flown.***

**PLEASE ADVISE ALL ROAD CREW AND STAFF OF THIS PRIOR TO ARRIVAL AT THE VENUE. FOR H&S REASONS, CONSOLES CANNOT BE MANUALLY LIFTED INTO PLACE IN ANY OF OUR SEATED FORMATS.**

## **COMMUNICATIONS AND CUEING**

6 wired TELEX RTS Dual Channel comms sets, plus Master Station at prompt desk. Please note that house comms are not directly compatible with Tec-Pro type systems.

4 Wireless Altair Single Channel comms sets, integrated into Telex Channel 1.

Cue Lights – 12 way GDS Master station with 8 outstations plus fly-floor Q-light. Q-light channels are fully patchable to various tie lines around stage and technical areas.

Colour and IR cameras fed to patch-bays DSL & DSR.

Prompt desk either S.L. or S.R. (In Lyric Theatre format only, no prompt desk in Concert or Standing format). Prompt desk has monitors for both colour and IR camera feeds.

Full volume controlled show relay to all rear stage rooms with over-ride paging from prompt corner and U.S.R.

## **WARDROBE**

PLEASE NOTE – Towels are available by prior arrangement only. Use of towels will incur a laundry surcharge.

Small Wardrobe Room, up 4 steps from stage level (Ramp available) containing 2x Professional stacked washer-dryers, sink and iron with ironing board. Machines are token operated, tokens available from stage door.

A larger space requirement will usually mean utilising one of the larger ground floor dressing rooms. (Usually Number 6 as it is fitted with a larger sink / drainer unit).

## **DRESSING ROOMS**

### **Ground Floor Corridor**

DR 2-	1 person, disabled access
DR 1 -	1 person, own toilet and shower
DR 3 -	2 person, 2 toilets and shower outside
DR 4 -	2 person, 2 toilets and shower outside
DR 5 -	2 person, 2 toilets and shower outside
DR 6 -	10 person (Usually used as dining area if required)
DR 7 -	10 person (usually use as wardrobe or catering room if required)

### **First Floor Corridor**

DR 8 -	10 person, 2 toilets and shower outside
DR 9 -	2 person, 2 toilets and shower outside
DR 10 -	2 person, 2 toilets and shower outside
DR 11 -	2 person, 2 toilets and shower outside
DR 12 -	10 person
DR 14 -	10 person

Company Office - own toilet and shower

The Ground Floor Corridor also acts as a crossover.

## **TELEPHONES/INTERNET**

- Direct Dial line in Visiting Company Office. Charged via contra.
- Backstage area Internet access via Wifi – Pass code available on request.
- No FAX line available.

## **STAFFING**

There are 6 full time technical staff comprising of: Head of Stage, 2 of Technical Stage Managers, Head of Lighting & Sound, Deputy Head of Lighting & Sound and a Maintenance Technician. Full time staff are augmented by casual staff as required by performance and contract. Hours of work are totally flexible, subject to contract.

## **CATERING**

Catering is available by prior arrangement only. Please contact Customer Services on 01604 626222 for further information. Derrngate does not have dedicated catering accommodation, however dressing rooms 6 & 7 are fitted with sinks and both have a 63A SPNE Cee-form supply to allow them to be used for catering as required.

**PLEASE NOTE: LPG GAS IS NOT ALLOWED ON SITE DUE TO INSURANCE RESTRICTIONS.**



## **PARKING**

**There is no onsite parking available.** There are a number of Pay & Display car parks within easy walking distance of Stage Door.

Trucking:

- Overnight parking is not possible onsite or adjacent to the venue.
- Our access yard services two separate venues. It may be necessary to remove trucking from site once unloaded.

Sleeper/Artist Coaches:

- It may be possible to arrange parking adjacent to the venue for sleeper/artist coaches. Please note that this is by prior arrangement only and is dependent on successful application to the local authority.
- Where arrangements have been made for vehicles to park on or adjacent to the venue a land-line can be provided (1Ph, 13A Max Load). There is a contra charge for this facility.

END OF DOCUMENT

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