DARLINGTON
HIPPODROME

Darlington Hippodrome Technical Specification

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1: Introduction

Darlington Hippodrome is an Edwardian Theatre that has recently undergone extensive refurbishment to the auditorium, circulation areas, dressing rooms and offices.

If you have visited the Civic Theatre before, you will be in for some surprises! The auditorium has largely remained the same with the exception that the supporting walls for the circle boxes have been removed, improving sight lines, and the seating arrangement has been changed with additional accessible spaces added and the centre aisle of the stalls removed. Capacity is now in excess of 1000.

The old dressing rooms have been removed to allow space for the audience to circulate, lifts allow access to each floor and a new entrance atrium opens up the box office and café to the audience.
The stage door (entrance from Tannery Yard) will give access for the visiting company to 12 new dressing rooms (some en-suite), separate green room, wardrobe and laundry, all accessible by lift (capacity for wardrobe pans) and backstage areas.

A new dock area adjacent to the stage will allow 2 trailers level covered access for unloading and extra space for set, daddy racks, dimmers, quick change etc.

The hemp flying system has been replaced with double-purchase counterweights, with the addition of new and relocated 450kg motor bars located under the 5 roof trusses of the strengthened grid, and 2 under the back bridge. The old whizzy winches still exist and are also available for Show Flying (450kg).

Motors have been installed in the auditorium roof to allow quick installation of FOH truss rated at 500kg each, and two motors are installed above the proscenium boom position to assist rigging, rated at 125kg each.

A new control room in the dress circle has been introduced, adjacent to the audio describers' booth, generally for Lighting. A position in a central rear stalls position, accessible from the rear corridor, is available for visiting company's Sound & LX.

A position in the centre stalls or front of dress circle is available for plotting or rehearsals.

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2: Health & Safety

Darlington Hippodrome takes Health & Safety seriously; Health & Safety of our employees and visitors is no accident.

We are 'risk aware' not 'risk averse'.

To this end we have produced risk assessments and safe working practices, and refer to the BECTU/TMA code of practice for get-ins and get-outs.

The complete Risk Assessments and Safe Working Practices can be found on our website.

3: Contact Us

Theatre Director	Lynda Winstanley	01325 406735
Commercial and Facilities Manager	Peter Robson	01325 405648
Sales and Marketing Manager	Sue Wilson	01325 405508
Box Office	Tim Hollinshead	01325 405405
Technical Manager	Martin Hodgson	01325 405513
Technician	Alex Edwards	01325 405722
Technician	Andy Stoneley	01325 405722
Technician	Nick Sanderson	01325 405722
Stage Door		01325 405690
Crew Room		01325 405713

Postal Address:
Darlington Hippodrome
Parkgate
Darlington
DL1 1RR

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4: Stage

The original stage dimensions remain the same, however many of the obstructions have been removed. The main dimensions are:

Rake	1:30	
Proscenium Opening	8.63M x 6.23M	(underside of Iron)
Stage Depth	9.39M	(front edge of stage to back wall)
Height to Grid Floor	14.20M	(lowest point upstage)
Clearance under Fly Floors	5.90M > 6.15M	(maximum DSl > USL)
29 Counterweight Fly Bars	10.50M	(11.10M with 300mm extns) 350Kg udl
7 Motor Bars under Trusses	9.00M	(11.00M with 1M extns) 450Kg UDL
3 'Whizzy' Bars	11.00M	(see Flying below) 450kg udl

House Tabs – operated from Stage Right Floor.

A small forestage extension is available (600mm) which may be added if required. Get-off treads are available aud L, centre, aud R, but must be requested as some seats may have to be removed. Two sizes of pit are available, but must be requested well in advance, as seats must be removed from the 2 or 4 front rows of the Stalls.

3 pairs of hard masking flats, full blacks, starcloth, cyc, black gauze, coloured tabs, standard and deep borders, legs and soft masking are also provided.

5: Flying

29 double purchase counterweight bars on nominal 225mm spacing, where there is a roof truss there is a motor bar. Operation is at fly floor level on stage right, with loading gallery above.

Bar centres are marked on the ground plan, and a Hanging Plot with full dimensions and notes is available in both word and excel formats.

There are also three 'Whizzy' Winch Bars available for Show Flying, these are variable speed winches with recordable deads and are re-locatable between most CW Bars but no closer than 900mm between each other. (See Hanging Plot for more details)

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6: Drapes, Masking

3 pairs of hard masking flats 4', 5' and 6' braced vertically. (Just fit under fly floors)
4 pairs soft legs 6' wide 24'drop
3 pairs soft legs 11' wide 24' drop
3 x 8' borders, 1 x 5' border, 1 x 12' deep border.

7: Stage Management

The stage managers desk may be situated either side of stage, with all the usual facilities; comms, cue lights, monitors, paging, clock etc. Usually on PS, however, it should be noted that house tabs are operated from floor level OP

8: LX

The control room is situated at the rear of the circle with a good view of the stage.
Lighting control is via an ETC Gio, which can be relocated to the front circle, centre stalls or rear stalls for plotting and/or operating. There is a duct from front rear of stalls to the front of the stage, alternatively, DMX and cat5 tie lines are available.
Dimmers are ETC Sensor 3, with non-dim capability, 288 dimmers in total.
Dimmer outlets are Socapex, with some 15A sockets in parallel at each panel.
2 x 5K portable dimmers.
Auxiliary power 63amp 3-ph, 125amp 3-ph and 250amp 3-Ph Powerlock SL
25metre Powerlock available upon prior request.

LUMINAIRES:
15 x Source4 14˚ on main FOH bar permanently rigged
6 x Source4 LED Lustr with 25-50˚ Zoom Lenses or Cyc Adaptors
6 x Source4 26˚ usually in the circle slips
6 x Source4 19˚
10 x Source4 36˚
6 x Source4 Zoom 15-30˚
6 x Source4 50˚
34 x CCT Starlette 1k Fresnels c/w barn doors.
6 x Robert Juliat 2K5 Fresnels c/w barn doors.
6 x Chroma Q Color Force II Cyc Batten or Groundrow
12 x Iris 1 1000w Cyc Floods
24 x Parcans with CP62 lamps as standard
6 x Par64 pre-rigged bars with 6 x CP60 lamps as standard
6 x Source4 Par

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FOLLOWSPOTS:
2 x Robert Juliat Manon with 1200W MSD lamps situated in the roof slot positions.

2 x Ancient Pani HMV1202, (prior request essential).

RIGGING:
12 x 12-way IWB's (2 x Socapex to 12 x 15amp sockets)
6 x Strand 4'6" stands
4 x 20' booms
6 x Doughty tank traps
6 x 3M booms

9: Sound
CONTROL:
Allen & Heath dLive C3500 control surface
Allen & Heath dLive CDM64 Mix Rack with 64 in 16 out (usually on stage)
also with two Amplifiers for on-stage use (Yamaha P7000s)
Allen & Heath DX32 with 16 outputs (rack room)

MIXING POSITION:
In a central rear stalls position accessible from the rear corridor. There is a duct to the front of the stage, alternatively, XLR and cat6 tie lines are available.

FIXED PA:
2 x Martin Wavefront W8VDQ in the stalls
2 x Martin WT2 in the dress circle
2 x Martin WT2 in the upper circle
12 x Bose 101 (4 at rear of each level for Delays)
4 x Martin S18 subs in the stalls
All above fed via Martin DX2 system controller. Visiting companies can link in to any or all of it. We should be able to accommodate most setups.
Amplifiers to drive the above are in the AV rack room with extensive signal and loudspeaker patching.
LOOSE SPEAKERS:
4 x Martin LE100 wedges
2 x Martin LE200 wedges
4 x Martin Blackline F15 usually used for FX or side fills

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AMPLIFIERS:
3 spare amplifier channels (Yamaha P7000s) are available (in addition to PA amps) for onstage FX, foldback etc. These are all mounted in a convenient wheeled rack case with XLR and NL4 I/O panel.
Extensive speaker cabling distribution incorporating surround sound positions, fed via patch rack in the AV rack room.

LOOSE EQUIPMENT:
We have a small selection of microphones available, SM58, Drum Kit, Sennheiser rifle, Sennheiser ew100 Hand Held and lavalier radio mics, etc. Various mic stands.

10: Control Positions
In a central rear stalls position accessible from the rear corridor. There is a duct to the front of the stage, additionally, XLR and cat6 tie lines are available.

11: Dressing Rooms
In order of nearest to the stage….

Ground Floor:	Dressing room 1 (accessible) en-suite	2 people
	Dressing room 2 en-suite	2 people
First Floor:	Dressing room 3 (accessible) en-suite	5 people
	Dressing room 4	3 people
	Dressing room 5	4 people
	Dressing room 6	4 people
	Dressing room 7	4 people
Second Floor:	Dressing room 8	8 people
	Dressing room 9	8 people
	Green room (with Kitchenette)	31m^2
	Dressing room10	1 person
	Dressing room11	2 people
	Dressing room12 (Company Office)	1 person

Dressing room capacity is suggested as to be comfortable space for each person to have a chair and dressing mirror, although it will be possible to accommodate more.

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12: Emergency Notices

To be compiled.

13: Location

Postcode **DL1 1RR**

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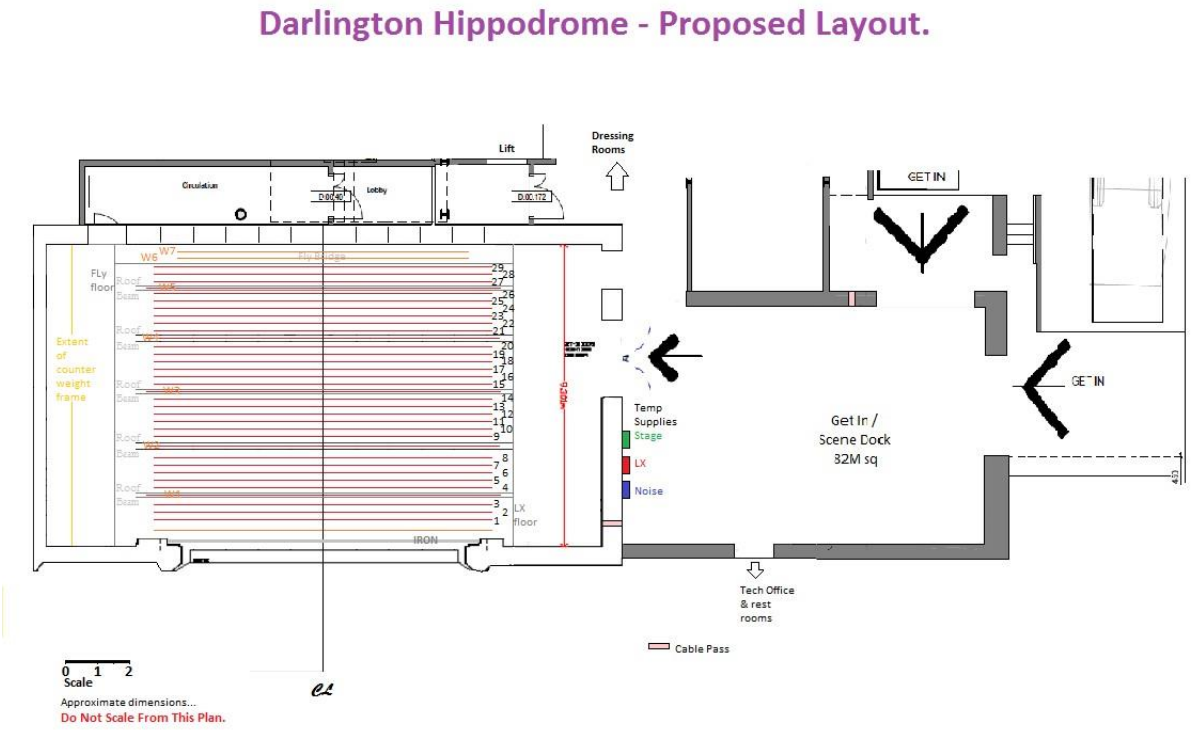
14: Plan



Please note that stage .dwg or .pdf files are available on request.

Please contact the Technical Manager for further information if you are intending to bring a production in to either venue.

Updated December 2018

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