

Gala Theatre

Technical Specification

Gala Theatre
Millennium Place
Durham
DH1 1WA



Auditorium

Maximum seating capacity 512, comprising of:

- 498 standard seats
- 5 wheelchair positions (concession rate)
- 5 wheelchair carer (free)
- 4 seat positions (held for Follow Spots)

Stalls and Circle face a separated proscenium stage with one lift which gives the options of creating a forestage, orchestra pit or stalls seating area.

Auditorium seating capacity with forestage or pit is 449, comprising of:

- 439 standard seats
- 5 wheelchair positions (concession rate)
- 5 wheelchair carer (free)
- 4 seat positions (held for Follow Spots)

All the stalls level seating is mounted on air castored wagon units. These units can be moved to the basement stores using the orchestra pit lift for transport.

By use of alternative plain wagons the whole auditorium stalls area can be converted into an open flat floor level with the stage. This creates an area of approximately 400sq.m. which can be used for exhibitions and banquets, with a total maximum auditorium capacity of 800.

By using auditorium hoists and the stage area counterweights a framework can be suspended over the flat floor for lighting, exhibition power distribution etc.

Orchestra Pit Lift

The single lift at the stage front can be used for audience seating, as an extension of the stage or as an orchestra pit. The lift links to fire separated areas under the stalls and stage used for storing seating wagons and the flat floor ceiling trusses. The approximate orchestra pit capacity is 40 players.

Get-In

Stage 0.6m above road level via raised loading bay.
Space for ONE 14m articulated lorry and one van to unload under cover.
Direct access to Stage Door for small deliveries independent of the stage.
Passenger/goods lift to basement (orchestra pit) and first floor wardrobe.

Backstage Accommodation

Total dressing room capacity 64 with two further musicians' changing rooms.

Basement: 1 DR for 14 with showers,

Ground: Stage door
1 DR for 3 with disabled WC and shower
2 DR for 2 with showers
1 DR for 12 with showers

First: Wardrobe and laundry
1 DR for 4 with shower
1 DR for 7 with shower
1 DR for 9 with shower
1 DR for 11 with shower

The Council has adopted a policy of a total ban on smoking on all of their land and premises. The Visiting Company shall be responsible for ensuring that this ban is strictly enforced.

Stage

Proscenium opening (width)	10m
Proscenium opening (height)	6m
Depth from back of proscenium wall	11m
Depth of fly tower with full flying	11m
Stage centre line to counterweight frame stage right	9.8m
Stage centre line to stage left wall	10.5m
Stage clear width overall	20.3m
Width between fly galleries	17.2m
Depth from back of proscenium wall to fixed stage front	0.6m
Height to underside of stage grid	15m
Clear height under galleries	6.5m

Variable proscenium black masking can reduce opening in width and height.
Stage surface 6mm oil-tempered hardboard on 25mm ply. painted matt black.
SIX removable floor modules each 1.2m x 1.2m (indicated on ground-plan).
House Tabs operation is by flying, not draw, operated manually from single-purchase counterweight set 1 either at ground level SR or from fly floor.
Crossovers at stage, and fly gallery level.

Suspensions

36 single purchase 500kg cross stage sets @ 200mm centres.
Numbered 4 to 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 49.
ONE up/downstage counterweight set each side, 500kg capacity Sets 2 & 3.
TWO Hemp up/downstage sets per side.
Cross stage flying truss length 13m with 1.5m sliding extension each end.
All truss tube 48.3mm OD.

Fly and intermediate galleries each side.
Fly and intermediate gallery crossovers downstage.
Loading gallery to stage right.
Stairs to galleries and grid to stage right.

Auditorium Suspensions

TWELVE (four sets of three) movable 500kg chain-hoists run on high level tracks front to back over the auditorium. These are generally used for the suspension of advance truss positions.

Production Lighting

Lighting positions:

Two fixed lighting bridges and side galleries in auditorium
Circle front

TWO Follow Spot positions at rear of circle left and right

Control:

Strand 520i lighting control normally operated from control room at rear of circle.

Wired rigger's control that can be plugged into any of 21 outlets located in all technical areas.

Dimmers:

Strand LD90

144 dimmable Circuits feeding outlets as follows:

FOH	36	2.5kW	4	5.0kW
Auditorium Perches	12	2.5kW	2	5.0kW
On Stage Perches	12	2.5kW		
Over Head	50	2.5kW	4	5.0kW
Stage	22	2.5kW	2	5.0kW
Circle Front	6	2.5kW (uses 3 Auditorium Perch Channels each side)		
Under stage/Orchestra	6	2.5kW (uses 6 On Stage Channels)		

19 - 15amp. Non-dim circuits controlled from portable panel which may be plugged in at the control room or used at the rear stalls open position.

22 - DMX sockets at all principal lighting positions and links for touring dimmers and controls.

Two 1-in 5-out DMX splitters available at DMX patch panel in lighting control room.

NOTE:

Auditorium House Lighting can be controlled either via wall mounted, push button (7 presets available); or via DMX from the Strand 520i control desk.

Power Supplies

Installed dimmers	400amp TPN
Downstage left	400amp TPN spare 200amp SPN spare (sound)
Upstage Left	125amp 3 Phase 3x 63 amp Singles (LX) Power Lock
Sound	3 x 63 Amp Single
Stage grid	100amp TPN
OB power	200amp TPN in workshop upstage right

Technical earth on all sound power supplies.

Communications

Stage Manager's desk sockets located downstage left & right and control room.

The portable rehearsal desk uses the same sockets.

Cue lights - 30 outlets wired or patched to 12 ways on prompt desk.

Twin-ring intercom to 41 locations.

Audio and video show relay to all areas.

Infra red:	1 channel hard-of-hearing, 1 audio description
Video:	Colour camera on circle front. Cable infrastructure for additional cameras/monitors to all technical areas. Links to building-wide CATV system.

Sound

House mixer:	Yamaha M2500 with 32 mic/line inputs, 4 stereo inputs, 8 group outputs, 13 x 8 submix matrix.
Control room:	Rear of stalls
Microphone lines/sockets:	117 lines plus 60 audio tie lines
Microphone patching:	Sound control room
Main auditorium speaker system:	Centre cluster and L&R speakers Renkus Heinz SR5/9 Circle and rear stalls in-fills Renkus Heinz SR62 Whole system controlled and equalised by Soundweb Matrix processor

Monitor Loudspeakers:

- 4 x Martin LE400
- 2 x Additional Martin Wedges
- 2 x Renkus Heinz Wedges

Front of House rack comprising:

- Raine Graphic Equalisers (FOH)
- 2 x Yamaha Q2031 - 31 Band Stereo Graphic Equalisers (On-Stage Monitors)
- 1 x Yamaha SPX 900 Processor
- 1 x Yamaha Rev 500 Processor
- 1 x Klark Teknik SQ1D, 8 Channel Compressor Unit
- 1 x Tascam Pro Minidisc Deck
- 1 x Tascam CD Playback Deck

- Plus - 3 x EMO Dual Channel DI Boxes (6-ways)
- Plus – 2 x BSS Single Channel DI Boxes

Comprehensive Microphone Stock:

- Details on request

Communication is provided by a fully installed Tec-Pro Dual Channel Comms system with Headsets/Beltpacks and dressing room show relay and talkback.

Lighting Equipment

Strand 520i 500 Channel control System.

144 Channel Strand LD90 Dimmer System.

42	x	Par 64
6	x	Short Nose Floorcan
28	x	Strand Cantata 1.2kW Fresnels + Barndoors
12	x	Robert Juliat 1.2kW Fresnels + Barndoors
22	x	Strand SL 15/32 Profile Lanterns
10	x	Strand SL 23/50 Profile Lanterns
2	x	ETC Source Four - 19 degree
6	x	ETC Source Four – 26 degree
2	x	ETC Source Four – 36 degree
12	x	Strand 2kW ALTO Long Throw Profile Lanterns (fixed on Rear FOH Bridge II)
10	x	Thomas 4-Circuit 1kW Cyc Flood Units
6	x	Thomas 4-Circuit 1kW Groundrow Flood Units
2	x	Juliet Foxy Follow Spots
24	x	Short Nose Par 64 LED Units (DMX)

Chargeable Equipment

			Each P/Day	P/Week
12	x	ChromaKey Scrollers (for Fresnels / Par 64)	£10	£30
2	x	Martin MAC 500	£60	£120
1	x	Unique DMX Controlled Hazer	£10	£30
2	x	Jem Fog Machine	£10	£30
8	x	3m Floor Booms & Bases	£5	£15
16	x	250mm boom clamps	FOC	FOC
6	x	Alli-Deck 1m x 2m Staging Units at 1', 18", 2'	£10	£30
2	x	Christie Data Projectors	£95	£250
1	x	Laptop PC	£50	£100
1	x	Le Maitre 6channel Pyro System (angled & standard pods available)	£30	£60

Other Equipment available by quotation