

GRAND OPERA HOUSE YORK

Technical Specifications

Grand Opera House, Cumberland Street, York, YO1 9SW

Administration	01904 678 700
Technical Manager	01904 678 715
LX Department	01904 678 715 / 678 710
Box Office	0844 847 2322

STAGE CONSTRUCTION

Iroko, tongue and groove, semi sprung. Covered with 7mm oil tempered hardboard, painted matt black.

STAGE DETAILS

See attached sheet. If a stage plan is required please contact the Technical Department.

GET IN

Straight from street to USR

Get- in doors: 2m x 4m

Top Section can open to add an extra 1.5m in height

NB: No parking available before or after unloading / loading.

LIGHTING BOARD

Strand 520i desk, Auditorium right at back of stalls.

SOUND DESK

Auditorium Left of Centre at the back row of stalls, or prompt corner.

DRESSING ROOMS

3 + company office at stage level. 3 + production/wardrobe next level up.

See enclosed sheet for details.

HOUSELIGHT CONTROL

Prompt corner, At LX control at back of stalls.

ORCHESTRA PIT

To accommodate approximately 40. Access from prompt corner.

56 chairs and some 4 lit music stands, 2 un-lit music stands, plus 2 lit conductors stands are available.

PIANO

Hoffman Baby Boudoir Grand.

SOUND POWER SUPPLY

Single phase. 63A or 32A CEE Form

LOCATED: down stage left + 13A clean supply, D/S/L.

LIGHTING POWER SUPPLY

200amp TPNE Powerlock and Cam Locks. 125amp 3 phase CEE Form, 63amp 3 phase CEE Form, 63amp Single Phase CEE Form or 32amp 3 Phase CEE Form.

LOCATED: Up stage left.

INDEPENDENT

240V power 6 x 13A twin sockets located around stage. 30A ring.

FOLLOW SPOTS

2 Robert Julian 'Topaze' 1.2kw Followspots with Bullseye laser sights.

LOCATED: rear of upper circle. 1 x SL, 1 X SR

FOH LIGHTING

20 circuits Grand Circle Ceiling (20 x Cantata 11/26). Pros Arch Boom 6 x circs a side. Circle Front 3 x circs (includes tabs warmer).

ON STAGE LIGHTING

As per attached lighting schedule.

LIGHTING CONTROL

250 channel Strand 520i. D54 to DMX converter capabilities included.

95 ways of 2.5 kW dimmers.

PROMPT DESK

Either PS or OP. Paging to FOH and backstage. 5 Q-lights (DSL, USL, DSR, USR, sound, OP flies, PS flies). Stop Watch. Low Voltage effects outputs.

COMMS

Single channel, 6 (+ prompt desk) outstations, locations as above.

FLYING FACILITIES

29 hemp sets, 12 x Variable speed controlled, 450kg motorised bar, 4 x 450kg hand-winch bars.

House Tabs on counterweight (operated from prompt corner).

SAFETY CURTAIN

Eurotrak, metal, motorised.

PYROTECHNICS / SMOKE

Please inform technical department before arrival.

DRY ICE

Available by prior consultation.

Free BroadBand Wi-Fi Available in all dressing rooms and backstage.

CATERING AVAILABLE

Foyer - Main bar / coffee, Stalls - Bar, Dress Circle - Bar, Grand Circle - Bar

For further catering information please contact the General Manager or Deputy Manager.

ALCOHOL/BAR RESTRICTIONS - Entertainment's Licence

A2 size scale plans available from the Technical Department.

IN HOUSE SOUND SYSTEM

Mixer:	Allen and Heath GL3300 24 channel	
Mixer Position:	Rear centre of stalls. (Loss of 4 seats R8 9 10 11)	
Amplifiers	3 x © AUDIO ST400 Mounted in Main rack 1 x HK VX1200 Monitor amp.	
Digital Delays	2 x TOA 310D	
Graphic EQ's	1 x Yamaha Q2031A 31 band stereo.	
Speakers	Upper Circle	2 x HK PR115
	Dress Circle	2 x TOA 310D Delays
	Stalls	2 x HK PR115
	On Stage	2 x HK PR211M Wedge monitors 2 x Generic Wedge Monitor
Microphones	1 x AKG D321, 2 x AKG D222, 2 x SM58, 2 x Upright Studio Condensers, 3 x Short Rifle Condensers, 1 x Sennheiser Rifle, 6 x Trantec S4000LM lapel mic. 1 x Sennheiser Radio Hand Held.	
Audio playback	Trantec Minidisc With AutoPause, Denon CD, Yamaha rev 100 FX generator.	
Accessories	6 x microphone stands.	
Induction Loop	Please contact Technical Department.	

NB: Although our sound system is adequate for sound FX during drama productions, low volume level dance and stand up comedy, it is by no means suitable for high volume, high output shows as we have no bass capability. We can supplement with equipment hired locally, please call to arrange.

LIGHTING CONTROLS AND DIMMERS

There are 95 ways of Rank Strand Permus dimmers, controlled by a 250channel Strand 520i.

TABS AND MASKING

House Tab; Admiral red with gold braid. Flown.

1 pair of black tabs 5.5m by 7m (22'9") drop.

8 black legs 2.5m by 7m drop.

4 black borders 10.2m by 4m drop

CYCLORAMA

Bleached white cotton, 10.2 by 10m drop.

DANCE FLOOR

Harlequin STU880 Available on request (Recharged)

DRESSING ROOM ACCOMMODATION

Stage level: 2 for 4 people with basin, shower, mirrors & lights.

1 for 7 people with 2 basins, shower, mirrors & lights.

Company "cupboard".

1 gents, 1 ladies, 1 children's/unisex toilet.

1 level up: 2 for 4 people, with basin, shower mirrors and lights.

1 for 9 people, with 2 basins, shower, mirrors and lights.

Maintenance wardrobe, with twin tub, dryer, 2 large sinks and a drip/dry area.

1 gents and 1 ladies toilet.

Door from stage level dressing room corridor leads directly to prompt corner and steps down to the pit.

TECHNICAL SPECIFICATIONS OF PERFORMANCE AREA

Proscenium width:	8.093 (29')
Depth of stage:	From iron 9,064m (29'9") to crossover From front 9.803m (32'3") to crossover
Grid height:	13.25m (43'4")
Barrel length:	10m (32'10") (between fly floors 40')
Wing space:	Stage left - 3.6m (11'10") DS 4.8m (15'8") US Stage right - 4.8m (15'8")
Upstage walkover:	1.3m (4'3")
Proscenium height:	6.1m (20')
Bars:	29 off 3-line hemp sets (OP fly floor) 12 off 4-line motorised 350kg line with speed control 5 off 4 line hand winches. 500kg Power and winch bars operated PS fly floor
Front tabs:	On counterweight controlled from prompt corner.
Iron and drencher:	Controlled from prompt corner and stage door.
Other tab tracks:	1
Drapes:	1 black box.
Cyclorama:	White, normally on hemp set 29.
Rake:	None.
Orchestra Pit dimension:	9.5m x 4.6m (31'1" x 15'1").
Closed circuit television:	None.
Incoming sound:	Rear centre stalls.
Incoming lighting:	Position by prior consultation.

LANTERN LIST AS AT 15 NOVEMBER 1996

LANTERN	TYPE	QUANTITY
Cantata 11/26	1.2 kw Profile	20 (FOH)
Cantata 18/32	1.2 kw Profile	4
Cantata PC	1.2kw Pebble Convex	1 (Tab Warmers)
Cantata F	1.2kw Fresnel	36, all with barn doors
Parcans	1kw (220v) PAR 64	20
Coda 4	500w 4-section batten	10
Fixed Ladder Bar	30' Ladder Bar	1 (No. 1 Winch Bar)
Moveable IWB (20 Circuits)	20 Circuit IWB Ladder Bars	4

ACCESSORIES

Item	Number
Gobo holders	6

Tall stands	4
Medium stands	2
Bench bases	0
Lit music stands	4
Conductors lit stand	2

FOLLOW SPOT

2 x Robert Julian 'Topaze' 1.2kw Followspots with Bullseye Laser Sights. Positioned at rear of Upper Circle.

NB: Loses 3 x seat per side (K6-8 and K21-23)

Animals in dressing rooms ONLY by prior agreement

Grand Opera House, York

Visiting company Questionnaire

You MUST fill in the following questionnaire and post it or Fax it back to the Technical Manager **before** your visit.

Will you be using pyrotechnics or naked flame of any description? Y / N

Do any of the company smoke on stage during the show? Y / N

What precautions do you take whilst these effects are being used?

What time would be suitable for these effects to be inspected? _____

Have your personnel received the appropriate training for the safe operation of and control of these effects in an emergency? Y / N

On request can you supply the following?

Test results and certificates for all your equipment Y / N

Certificates for the fireproof tests on all sets and scenery Y / N

PAT certificates for **ALL** your electrical equipment Y / N

Have you had any accidents we should be aware of? Y / N

Have you read and are you prepared to adhere to the Tallescope manufacturers basic safety notes? Y / N

Who is your Health and Safety representative? _____

Signed:

Date:

Production Company:

Return To:
James Homes
Technical Stage Manager
The Grand Opera House
Cumberland Street
YORK
YO1 9SW

FAX: 01904 671858

Technical Manager	james.holmes@livenation.co.uk
Chief Electrician	magnus.leslie@livenation.co.uk
Deputy Technician	mark.waters@livenation.co.uk

Flying lines. Grand Opera House York

Back of Iron	0		MH6	4850	
H1	450		H17	4940	
WINCH 1	640		H18	5110	
H2	1000		W3	5190	
MH1	1150		MH7	5390	
H3	1350		H19	5550	
H4	1530		H20	5730	
MH2	1710		MH8	5910	
H5	1870		H21	6070	
H6	2050		H22	6250	
H6a	2210		MH9	6430	
H7	2400		H23	6600	
H8	2580		H24(RESTR)	6810	
MH3	2750		W4	7120	
H9	2950		H24a	7290	
H10	3110		H25	7480	
H11 (RESTR)	3280		MH10	7670	
H12	3550		H26	7850	
W2	3610		H27	8040	
MH4	3800		MH11	8220	
H13	3990		H28	8400	
H14	4150		MH12	8760	
MH5	4330		H29	8930	
H15	4500		W5 STORE	9410	
H16	4690				

Distances in mm

H = Hemp

W = Winch (hand operated)

MH = Motor Hoist

W5 only available if no upstage crossover required

H11 and H24 Lines pass through RSJ, border only.

Flying height 9480 to RSJ

Grand Opera House Standard Black Box

BORDERS;	HEMP	HEMP	HEMP	HEMP			
BAR NUMBER;	5	10	16	22			
LEGS;	HEMP	HEMP	HEMP	HEMP			
BAR NUMBER;	6	12	18	23			