



## **Harrogate Theatre Tech Spec**

### **Main House**

#### **Contents**

Stage Stock  
Stage Information  
Hanging Plot  
LX Stock  
Sound Stock

#### **Contacts**

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**MASKING & CLOTHS:**

	Item	Qty	Width (m)	Drop (m)	Notes
<b>Soft:</b>	Black Serge Borders	1	10.5	3	Permanently hung under the front bridge
		1	10.5	3	
		2	10.5	2.5	
		1	5	2.4	
		1	3.2	2.4	
	Wine Borders	1	8.05	2.4	
		1	8.7	2.3	
	Black Serge Legs	6	3	6.5	
	Old Velour Legs	6	3.5	6.5	

<b>Hard:</b>	Black Serge Flats	8	2	5.5	
	(Main House)	2	1	5.5	
		2	1.1	3.7	
		2	0.8	4.8	
	Black Serge Flats	5	1.2	3	
	(Studio)	2	0.48	3	
		2	0.61	3	
		2	0.8	2.5	

<b>Sundries:</b>	House Tabs	2	5.5	6.2	(approx.) Red velour w/ gold skirt
	Black Serge Half Tabs	2	5	6	Chained bottom
	Starcloth	1	10.5	6.5	
	White Cyclorama	1	10.5	6.5	
		1	10.5	5.5	
	White Filled Cloth	2	3	6	
	Light Cotton Tabs	2	2.5	4.7	
		2	4	4.7	
		1	2.2	4.7	
	Digitally Printed Cloth	1	8	6	Country Garden Scene

<b>Gauzes:</b>	White Sharkstooth	1	10.5	5	
		1	9.7	5.7	
	Black Sharkstooth	2	6	5.5	
	Blue Sky (Painted)	1	10.5	6	

**STAGING:**

	Item	Qty	Size
<b>Decking:</b>	Steeldeck	12	8' x 4'
		2	4' x 4'
	Top Deck (Aluminium)	24	2m x 1m
		4	1m x 1m

**Revolve:** Diameter can be adjusted to 2m, 4m, 6m or 8m.  
 It is driven by an electric motor that is mounted either in the centre or on the outside rim.  
 Topped in 18mm chipboard.

**Treads:** 4 sets of treads 1m wide and adjustable to heights of 200mm, 400mm, 600mm or 800mm

**MISCELLANEOUS:**

<b>Triple E:</b>	Track Length	Qty
	2m	79
	1m	12
	0.5m	7

**Curved Aluminium Bar:**  
 in 6 individual pieces to a complete diameter of 10m

+ associated carriers, pulleys and hook clamps

<b>Projection Screen:</b>	Width x Height
	10.7m x 6.4m
	+ bi-lite surround

**Stage Weights:** Approx. 30  
**Stage Braces:** 12

**STAGE DIMENSIONS:**

<b>Proscenium:</b>	Proscenium width	7.9m	
	Proscenium height	7.9m	
	Height to bottom of iron header	6.5m	
	Height to bottom of house header	5.5m	

<b>Playing area:</b>	Rake	1:24	
	Depth (setting line to most US flying bar)	7.5m	
	Stage width (including wings)	11m	
	Apron depth at centre line	2.6m	(curves away to 1.6m at the extremes SL and SR)
	Width between most US black legs with a standard black box	7.4m	

<b>Orchestra Pit:</b>	Depth at centre line	2.3m	(curves away to 1.4m at the extremes SL and SR)
	Height from stage level	1.6m	(the floor of the pit is not raked)

Maximum capacity of pit 12 people  
 Apron is made of 8 aluminium decks individually removable (See ground plan for more detail)

**TRAP:** As shown on ground plan. Opening 0.6m x 0.55m.  
 Suitable for 1 person. DS edge is 2m US of the setting line and is SL of centre  
 The 'lid' slides away with a riser, operated by an electric motor, moving up into the opening  
 The motor moves at a constant medium pace and is not adjustable.

**STAGE SURFACE:** Timber floor skinned in 6mm oil tempered hardboard  
 Drilling or other fixing into the floor is allowed with the agreement of the theatre

<b>FLYING:</b>	Height under fly floors US	7.35m
	Height of grid US	13.72m
	Maximum grid loading	2400kg evenly distributed

Any significant point or overall loads should be discussed with the theatre as early as possible

<b>Flying lines:</b>	29 hemp sets - 4 lines	10.5m wide
	1 counterweight bar DS normally carrying the house tabs	8.9m wide
	5 winch bars normally carrying LX	10m wide
	<i>winch 1 - DS of hemp 1</i>	
	<i>winch 2 - between hemp 7 &amp; 8</i>	
	<i>winch 3 - between hemp 12 &amp; 13</i>	
<i>winch 4 - between hemp 20 &amp; 21</i>		
<i>winch 5 - between hemp 22 &amp; 23</i>		
<b>Recommended max. cloth size</b>	<b>10.5m x 6m</b>	

<b>GET-IN:</b>	Dock door dimensions	3m x 1.8 m
	Drop to street level	1.22m

**STAGE MANAGEMENT:**

Prompt desk situated DSL with:  
 12 channel Q-light system  
 Cans  
 Backstage/FoH tannoy  
 Show relay TV monitor

**ROOMS:**

**Stage Kitchen:** Situated MSR  
 Containing fridge, kettle, sink (drinking water), microwave, phone

**Green Room:** 2 floors above stage  
 Containing fridge, freezer, 2 microwaves, kettle, toaster, sink (drinking water)

**Dressing Rooms:** There are a total of 7 dressing rooms containing a total of 23 positions  
 Anything above this number is at the theatre's discretion and must comply with our health and safety policy

Room	Positions
1	3
2	2
3	2
4	2
5	2
6	2
Understage	10

NB: no running water

**Showers:** 2 - located 1 floor above the dressing rooms  
**Wardrobe:** Containing maintenance room, ironing board, 3 industrial sewing machines, 1 industrial over-locker, 2 washers, 1 industrial dryer and 2 drying cabinets

**Max Bar Loading - 100kg**

<b>BAR</b>	<b>DISTANCE FROM PROS (m)</b>	<b>DISTANCE FROM PROS (ft,in)</b>	<b>Notes</b>	<b>BAR</b>
HEMP 29	7.62	25'0"		HEMP 29
HEMP 28	7.45	24'5"		HEMP 28
HEMP 27	7.29	23'11"		HEMP 27
HEMP 26	7.11	23'4"		HEMP 26
HEMP 25	6.94	22'9"		HEMP 25
HEMP 24	6.60	21'8"		HEMP 24
HEMP 23	6.43	21'1"		HEMP 23
LX Winch	6.26	20'6"	LX#5 (Cyc floods)	LX Winch
HEMP 22	5.91	19'5"		HEMP 22
HEMP 21	5.74	18'10"		HEMP 21
LX winch	5.57	18'3"	LX#4	LX winch
HEMP 20	5.40	17'9"		HEMP 20
HEMP 19	5.22	17'2"		HEMP 19
HEMP 18	5.05	16'7"		HEMP 18
HEMP 17	4.88	16'0"		HEMP 17
HEMP 16	4.71	15'5"		HEMP 16
HEMP 15	4.54	14'11"		HEMP 15
HEMP 14	4.37	14'4"		HEMP 14
HEMP 13	4.20	13'9"		HEMP 13
LX Winch	4.06	13'4"	LX#3	LX Winch
HEMP 12	3.70	12'2"		HEMP 12
HEMP 11	3.52	11'7"		HEMP 11
HEMP 10	3.35	10'12"		HEMP 10
HEMP 9	3.18	10'5"		HEMP 9
HEMP 8	3.01	9'11"		HEMP 8
LX Winch	2.67	8'9"	LX#2	LX Winch
HEMP 7	2.49	8'2"		HEMP 7
HEMP 6	2.31	7'7"		HEMP 6
HEMP 5	2.14	7'0"		HEMP 5
HEMP 4	1.97	6'6"		HEMP 4
HEMP 3	1.79	5'10"		HEMP 3
HEMP 2	1.62	5'4"		HEMP 2
HEMP 1	1.46	4'9"		HEMP 1
LX winch	0.95	3'1"	LX#1	LX winch
HEMP 0.5 - BORDER	0.77	2'6"	Border	BORDER
C/WEIGHT - TABS	0.44	1'5"	Tabs	C/WEIGHT
WINCH - HEADER	0.00	0'0"	Header	HEADER

**LANTERNS:**

Profile	24 Strand Cantata 18/32 1.2kW	Normally rigged as FOH cover
	4 Strand Cantata 11/26 1.2kW	
	2 Strand Optique 8/17 1.2kW	
	2 Strand Optique 15/42 1.2kW	
	4 ETC Source 4 36 degree 750W	
	4 ETC Source 4 50 degree 750W	
	14 ETC Source 4 Junior Zoom 25/50 575W	
Fresnel	20 Strand Cantata 1.2kW	
	5 Strand Alto 2kW	Very poor gel life unless clipped to barn doors
	4 Strand Patt 743 1kW	
P.C.	4 Strand Cantata 1.2kW	
PAR	8 Thomas FloorLite (Par 64) 1kW	
	40 PAR 64 can 1kW	Selection of lamps
	18 Thomas PAR 38 can 80W	Silver shells
Flood	12 Strand Iris 1kW	4 required for even cyc coverage
	4 Strand Coda4 500W	4 cell batten
Other	14 Pinspot	
	4 Long Nose Birdies	Selection of lamps
	8 Short Nose Birdies	Selection of lamps
Followspot	2 Selecon Performer 1200W MSR Followspot	*

**ACCESSORIES:**

12 Chroma Q scroller	* Scrolls in stock, details on request
12 PAR Can back plate for scrollers	
12 Source 4 Junior back plate for scrollers	
12 Cantata fresnel back plate for scrollers	
4 I-Que Moving Mirror for Source 4 or S4 Junior	* Runs from Chroma Q Scroller System
2 DHA gobo rotator for Cantata Profile	* With one 2-channel controller
1 ChromaQ Junior FX gobo rotator for Source 4 Junior	*
3 Iris For Cantata Profile	
4 Iris For Source 4 Junior Zoom	
4 Iris For Source 4 750	

**EFFECTS:**

1 DF 50 Oil Cracker	*
1 Martin ZR-12 Fog Machine	* DMX or Remote control
1 Martin Magnum 800 Smoke Machine	*
1 Jem Sharkie 650W Smoke Machine	*
2 Comar Tas Windy high output fan	*
1 Le Maitre 2-Way Pyro Flash Control System	*
4 Le Maitre Flash Pod	*
2 Strand Cadenza Effects Projector	* No discs in stock
2 Spotlight Blackgun 400W UV Gun	*
2 JB Systems Double Darby disco effect	*

**CONTROL:**

ETC Expression 3 with Emphasis  
 1000 Channels  
 ETC Net2 DMX distribution - 2 Universes  
 24 Submasters  
 Moving Light Control  
 Unison Houselight and Working Light Control  
 Additional DMX tie-line from FOH position to DSL

**RIGGING:**

5 x fixed position LX winches with 18 way IWBs. Max load 160kg.  
 All other bars are 4 line hemp sets with max load 100kg - not for LX use.

**CABLING:**

4 x 6 way IWBs  
 Assorted socapex and 15A TRS

\* Items marked may incur a hire charge

**DIMMING:**

260 Channels, 20 Independents  
 1 thru 66 - Front of House  
 67 thru 180 - LX Fly Floor (SL)  
 Various boxes at stage floor level

**POWER:**

Power outlets located USL:  
 125A 3ph  
 63A 3ph  
 32A 3ph  
 16A 3ph  
 32A 1ph  
 16A 1ph

**MIXING DESK:**

Yamaha LS9-32 Digital	32 XLR inputs	
	16 XLR outputs	
	2 ADAT inputs	
	2 ADAT outputs	

**MAIN P.A.:**

Stalls:	2 Nexo PS10 600w	} permanently installed FOH
	2 350w Sub Bass Bins	
Circle:	2 Nexo PS10 600w	
Balcony:	2 300w Mid Range Speakers	
	2 350w Sub Bass Bins	

**TIE LINES:**

16 ways from SL to FOH position, 1-8 also from pit, 9-16 also from SR
24 sends from FOH position to amp room

**EQUIPMENT:**

Playback:	1 Marantz PMD325 CD Player.	
	2 Tascam MD350 Minidisc Recorder	
	1 Echo Layla 3G sound card and PC	
Effects/Processing:	1 T.C. Electronic M-One	
Microphones:	4 Shure SM58 Mic	
	2 Behringer B5 Condenser Mic	*
	3 Audio Technica AT 835B Rifle Mic	*
	1 Audio Technica PRO 29HE Dynamic Mic	*
Radio Mics:	1 Audio Technica 3000 series handheld radio mic	*
	1 Audio Technica 3000 series bodypack radio mic	*
D.I.s:	2 Behringer DI100 Active DI Boxes	
	1 Behringer DI800 8 way Active DI Box	
Speakers:	2 EV SX500	permanently flown in SL/SR wings
	4 JBL JRX112M monitor wedges	
	4 Qmax 300w FS115 monitor wedges	
	8 Work Studio 3 speakers	
	4 Canford 2-way mini speakers	
Amplifiers:	2 InterM 4-way 100W per channel Amp	
Cables:	3 pin XLR-XLR	assorted lengths
	4 pole Speakon-Speakon	assorted lengths

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