

Hayes Theatre

Technical Specifications

Updated 05/04/19

Technical and Production Manager:

Russell Stewart ('Rusty')

Mobile Number: 0407 505 434

Email address: rusty@hayestheatre.com.au

Venue:

Box Office: 02 8065 7337

Admin: 02 8065 7697

Website: www.hayestheatre.com.au

STAGE

Brief Stage Description:

Masonite flooring, on parquet, on concrete. Painted in flat black. Screwing into stage surface is permitted but larger holes to be authorised by Technical Manager.

Stage distributed load limit **500 kg/m2 (5Kpa)**

Stage rake **No**

Stage Dimensions:

Proscenium None

Setting Line

Front edge of second step leading into the stalls (first step extends 250mm downstage of SL)

Distance From (SL = Setting Line, CL = Centre Line)

SL to first pipe	-1090mm
SL to last upstage pipe	7210mm
SL to rear wall	8100mm
CL to OP wall (or obstruction)	4050mm
CL to PS wall (or obstruction)	4050mm
Stage to underside of bulkheads	3750mm
Stage to underside of grid	3980mm
Stage to ceiling	4140mm

Overhead obstructions

There are 2 x concrete bulkheads over the stage and an air-conditioning duct running along furthest upstage corner of the ceiling.

Auditorium:

Black box with tiered seating on permanent scaffolding with padded fabric seating. The first row of seating is at stage level and wheelchair patrons can access the first row from the balcony via a stage door located downstage OP.

Seating capacity **111**

Orchestra Lift / Pit:

Orchestra Pit

There is no orchestra pit

Flying Facilities:

Fly System

All pipe is dead hung.

Hanging Plot:

SL: Setting Line as indicated previously

Line Type: **DH** = Dead hung, **SP** = Single purchase, **DP** = Double purchase, **MW** = Motor Winch, **HL** = Handline

W.L.L.: Maximum distributed load including bar weight

Line #	Distance from SL	Line Type	W.L.L	Venue Allocation	Notes
1	-1090mm	DH	130kg/m	FOH	
2	-500mm	DH			
3	350mm	DH			
4	1110mm	DH	130kg/m	LX1 / FOH Speakers	60mm pipe
5	2030mm	DH	130kg/m	LX2	
6	2150mm	DH			
7	2610mm	DH			
8	3310mm	DH			
9	3800mm	DH			
10	4330mm	DH	130kg/m	LX3	
11	6530mm	DH	130kg/m	LX4	
12	6650mm	DH			
13	7210mm	DH		Tabs	

Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain					
Borders					
Legs					
Tabs	Wool, 50% gathered	Black	3500mm	3900mm	2
Cyclorama					
Scrim	Sharks tooth?				

Access Equipment:

Ladders

1 x 3.0m Fiberglass Step Ladder

1 x 1.4m-2.3m Adjustable Aluminium Step Ladder

Staging Units:

None

Stage Covers/Traps:

None

Safety Curtain:

None

Loading Access:

Loading into the venue occurs through the main theatre door on Greenknowe Ave. There is a loading zone immediately in front of theatre operating between 7am to 5pm, Monday to Friday. Loading is through the foyer and due care must be taken to preserve the foyer area and its contents. There is a wheelchair lift which can be used for heavier and smaller items.

Door Dimensions **2000mm** High
 1100mm Wide
 2300 Diagonal

Restrictions / Obstructions

Please note we have a height restriction of set pieces and flats of 3600mm.

There is a 1-meter egress corridor along the prompt sidewall of the theatre that must remain clear at all times to be in accordance with fire safety regulations. This must be taken into consideration when sets are being designed.

Attaching fixings to the OP wall is prohibited as there are panes of glass directly behind.

As we are in a residential area, we ask that you be respectful of our neighbours when leaving the building and when using the balcony. Please be aware that the balcony should not be in use after 10:30pm on all nights.

Due to council regulations the venue closes at 12am every night without exception. This applies to all venue activity including rehearsals, bump in, bump out and performances. Therefore all work must be completed by 11:45pm to ensure that we comply with regulations.

As the venue has no storage area we are unable to hold any materials for hirers so please have a comprehensive bump out plan in place, which is to be discussed with the Technical Manager.

Additional Rigging Notes

There are 2 x rigging points in the ceiling. WLL 900kg ea.

Staging Notes:

Limited rigging gear available in house. Including lifting straps, shackles and pulleys.

It is the production's responsibility to re-paint the stage back to flat black if it is deemed necessary by Hayes Theatre Staff. If the production cannot complete this task, a fee may be charged for the Hayes Theatre to re-paint the stage.

We ask that each production be respectful of the space, leave the venue clean, neat and tidy after each rehearsal and performance. If you see anything that needs to be looked at by the staff please notify them of the issue.

LIGHTING

Positions:

Stage LX Bars

See PDF drawing for details on bar locations.
Pipes can be moved with advance notice.

Control:

Lighting desk **ETC Ion 100 with Fader Wing**

Control channels **1024**

Signal output **DMX 512**

Signal distribution **2x streams of DMX.**
Stream A to dimmers, Stream B to 8 channel DMX splitter over stage

Remote riggers available onstage **Yes (Phone or iPad)**

Dimmer Racks:

Total Dimmers 72

Dimmer Locations Dimmers located beneath biobox

2.4Kw Dimmer Racks
1 x Jands FP12
1 x Jands HPX
2 x Jands FPX
2 x Jands HP12TR

House Lights:

Independent control **Yes**

Control positions **Bio box – has a 5m extension**

Fade time adjustable **Yes – Manual control only**

Stage Luminaire:

Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Acclaim	18/34	Gobo holders	650	9
Selecon	Acclaim	24/44	Gobo holders	650	7
Strand	Leko Elipsoid	20		600	6
Altman	Shakespeare	30		600	14
Altman	Shakespeare	40		600	6
Selecon	PLProfile1	18/34	LED	150	1
Selecon	PLProfile1	24/44	LED	150	2
Chauvet	Ovation E-910	36	LED	235	4

Fresnels

Make	Model	Detail / Accessories	Watt	Total
Selecon	Acclaim	Barndoors	650	14
Selecon	Fresnel		1200	2
Strand	Patt. 123		500	5
Prolite	Compaque		1200	2
CCT	Starlette		2000	1
Selecon	PL1	LED	150	6
Selecon	PLFresnel1	LED	150	7

PC

Make	Model	Detail / Accessories	Watt	Total
Selecon	Acclaim PC	Barndoors	650	3
Selecon	PC	TV Clamps, pole knobs	1200	6

PAR Cans

Make	Model	Angle	Detail / Accessories	Watt	Total
	PAR56			300	7
	PAR64	MFL		1000	12

Movers

Make	Model	Control Channels	Detail / Accessories	Watt	Total
Chauvet	R1 Wash	21		120	4
GLP	Impression 90	14	Narrow or Wide	150	3

Additional Lighting:

Item	Make	Model	Detail / Accessories	Watt	Total
Birdies	PAR16				
Mirror Ball		12 inch	12in diameter with motor		1
Hazer	LookSolutions	Unique 2.1	Hire fee applies	1500	1

Patching:

Location	Quantity	Numbering (OP to PS)	Detail / Accessories
FOH	13	105 -117	
LX1	11		Socapex
LX2	14	91 - 104	
LX3	14	75 - 88	
LX4	14	61 - 74	
Floor	10	1 - 10	10 PS and 10 OP in parallel
Back Wall	1		1 x 20A GPO
Band Room	4		3 x SX, 1 x LX

Power:

3 Phase Outlets

3 x 32A near sub board under biobox

1 x 20A near sub board under biobox

Cabling:

240v Extension Cable

The theatre has a good stock of short to medium extension leads and power boards.

DMX

The theatre has a good stock of extension leads to accommodate the venue's standard lighting rig. Any additional equipment may require additional cable stock to be sourced.

Looms

2 x 10m 6-way Wieland

3 phase Extensions

1 x 5m 32A splitter

Lighting Notes:

AUDIO

Control Position:

Biobox at rear of stalls

Control & Amplification:

Primary Mixer

Yamaha CL5 Console – Dante Network
8 local inputs, 8 local outputs, 2 x Yamaha SPW-1 Network switches

Secondary Mixer

Behringer Xenyx 502 – 5 inputs, stereo out

Amplifier

Crown XLS 602 – delay amplifier

Compression / Limiter / Gates / EQ

Meyer Galileo 616

Speakers:

FOH Speakers

3 x Meyer Sound UPM-1P (L/R/C)
2 x JBL Control 30 (delay/fill)
6 x Meyer MM4
2 x Meyer 700W Subs

Foldback

2 x FBT Pro MaxX 12a
2 x FBT Jolly 8B a

Playback:

Item	Make	Model	Detail	Total
Computer	Apple	MacMini	Qlab Pro v4.3.3 via DVS 64x64 Control, Monitoring, Recording	1
Laptop	Apple	MacBook	Stage Tracks™, Galileo	1

Microphones:

Make	Model	Detail / Accessories	Use	Total
Sennheiser	SKM500		Wireless	4
Countryman	E6 Omni.	Light Beige & Cocoa	Earset	12
Shure	PG58		Wired HH	1
Shure	SM81		Condenser	2
Shure	KSM137		Condenser	2
Rode	NT5		Condenser	1
Shure	Beta 52A		Kick Drum	1
Shure	SM57		Instrument	3
Rode	Podcaster		Studio	2

Microphone Accessories:

Item	Make / Model	Detail / Accessories	Total
Belt Pack	Sennheiser SK500 G3		17
Belt Pack	Sennheiser SK500 G4		1
Receiver	Sennheiser ew500 G3-UHF		12
Receiver	Sennheiser ew100 G3-UHF		2
Antenna	Sennheiser A2003-UHF		2
Antenna Splitter	Sennheiser ASA 1		3
Headband	Countryman	Left and Right	12

Accessories:

Item	Model	Detail / Accessories	Total
Microphone stand	Round base		4
Microphone stand	Tripod base	Tall stand with boom arm	8
Microphone stand	Tripod base	Short stand with boom arm	1
Microphone stand	Desk stand		2
DI	Radial ProD2	Passive stereo	2
DI	Radial J48	Active	2
DI	BSS AR133	Active	2
Drum Screen	Gilbraltar	Interlockable Plexi, 1700mm x 600mm	10
Digital Recorder	Zoom H6		1

Line Patching:

Location	Quantity	Numbering	Detail
FOH	16		RIO1608 – 16 sends, 8 returns
Band Room	32		RIO3224 – 32 sends, 24 returns

Cabling:

Audio Cable

The theatre has a good stock of cable to accommodate the venue's equipment.

Multicore

1 x 30m 24 lines, 20 sends 4 returns

Audio Notes:

The Control 30s (delays) are permanently mounted into ceiling

The UPM-1Ps (L/R/C) are rigged on a 60mm pipe.

The Galileo 616 only has 6 inputs when patching returns from the RIO1608

AUDIO VISUAL

Projectors:

Type	Model	Detail / Accessories	Total
EPSON	EB-4750W	Standard Lens 1.27-2.59 Focal Length 16.72mm-33.47mm 3 LCD Chip / 4200 lumen Hire fee applies	1

Accessories:

Item	Model	Detail / Accessories	Total
Douser	City Theatrical	DMX controlled Hire fee applies	1

Screens:

Projection Screen

16:9 Grandview Fast Fold

Screen dimensions **158" / 4m**

(3.2mL x 2.2mH)

AV Playback Equipment:

Item	Model	Detail / Accessories	Total
Apple Computer	Mac Mini	Qlab Pro v4.3.3	1

Projector Rigging Points:

FOH above bio box

Audio Visual Notes:

Projector is not suited for short throws

BACKSTAGE

Communications:

Stage Managers Desk

The Stage Manager typically calls the show and operates from the biobox as there is no Stage Manager's desk

Talkback

Master Unit	Coda Audio Dual Loop Intercom
Total sub stations	2
Total headsets	2

Paging / Show relay

There is no paging to the dressing rooms

Stage Monitor

A camera feed from stage to the band room provides a FOH view of stage for the MD and cast. A camera feed from band room to FOH provides the SM with a view of the MD.

Q Light

In house Q light available **Yes**

A light switch in the biobox operates a light in the band room

Orchestral:

Item	Model	Detail / Accessories	Total
Upright Piano	Kawai	Relocation and tuning to be arranged prior to use	1
Keyboard	Yamaha Pro PSR-E243		1
Headphone monitoring station	myMix	Heaphones are not included. Separate hire fee applies. http://www.mymixaudio.com	6
Music Stands	Various		9
Sconces	Various		7

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
Main dressing room	14	1	YES	Stair access only. The toilet is located next to the band room. A shower is located in the disabled toilet at FOH.

Laundry / Wardrobe:

Washing Machines	TBC
Dryers	TBC
Drying rooms	No
Iron / ironing board	1 x iron and ironing board
Clothes racks	Yes
Steamer	Yes

Production Facilities:

Production Desk

Production desk setup in Row E accommodates 3 people, DMX for the lighting desk, talkback, and house light control.

Production Office

No

Phone/Fax

No

Wifi Internet Access

Yes

Greenroom:

Tea / Coffee facilities	Yes
Fridge / freezer	Yes
Microwave	Yes
Running water	Yes

Stage Door:

Access

Through the main theatre doors on Greenknowe Ave.