

HAYES THEATRE CO

Technical Specifications

Updated 24/02/22

Technical and Production Manager:

Mobile Number: **Abbey Pace**
0468 736 440
Email address: abbey@hayestheatre.com.au

Venue:

Box Office: 02 8065 7337
Admin: 02 8065 7697
Website: www.hayestheatre.com.au

STAGE

Brief Stage Description:

Weatherex flooring, on constructer flooring, on joists, 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	7130mm
SL to rear wall	8180mm
CL to OP wall (or obstruction)	4105mm
CL to PS wall (or obstruction)	4105mm
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.

A cable tray runs along the PS wall

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 the stage door located midstage 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	-50mm	DH			
3		DH			
4		DH	130kg/m	LX1	
5	1150mm	DH		FOH Speakers	60mm pipe
6	2160mm	DH	130kg/m	LX2	
7	2850mm	DH			
8	3570mm	DH			
9		DH			
10	4250mm	DH	130kg/m	LX3	
11	5650mm	DH			
12	6370mm	DH	130kg/m	LX4	
13	7130mm	DH		Tabs	

Draperly:

*Type	Material	Colour	Width	Height	Quantity
House Curtain					
Borders	Wool, flat	Black	8000mm	680mm	2
Legs	Wool, 50% gathered	Black	1000mm	3600mm	2
Tabs	Wool, 50% gathered	Black	3500mm	3900mm	2

Additional Staging Accessories:

Item	Make	Detail / Accessories	Total
Kabuki		240v / DMX. Hire fee applies	4
Tab Track	Staging Rentals	7m length in total.	7m
Rostra	AllyStage	1.2m x 2.4m. Hire and transport fee applies	10
Rostra	AllyStage	1.2m x 1.2	1
Rostra Legs	Aluminium	300mm high	44
Rostra Legs	Steel	525mm high	44

Access Equipment:

Ladders

- 1 x 3.0m Fiberglass Step Ladder
- 1 x 2.1m Fiberglass Platform Ladder
- 1 x 1.4m-2.3m Adjustable Aluminium Step Ladder

Staging Units:

The Hayes has a small stock of rostra which when put together creates a 6m x 4.8m stage. Hire fees apply:

- 10 x 1.2m x 2.4m AllyStage Rostra
- 1 x 1.2m x 1.2m AllyStage Rostra
- 300mm
- 525mm legs

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 with a load rating of 250kg which can be used for heavier and smaller items.

Door Dimensions	2000mm High
	1100mm Wide
	2300 Diagonal

Restrictions / Obstructions

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 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 due to noise restrictions the balcony should not be in use after 10:30pm. (10pm on Sundays)

As per fire safety and disabled access regulations, **a 1m egress must be available and remain clear for access to both the emergency exit and midstage OP doors. This must be taken into consideration when sets are being designed.**

We have a height restriction of set pieces and flats of 3600mm.

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

Hirers need to provide their own paint wash up facilities and all excess paint is to be removed from site on completion of scenic work.

The venue has no storage area so 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 black at the end of hire. 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 addressed by the staff please notify them of the issue.

LIGHTING

Positions:

Stage LX Bars See PDF/DWG drawing for details on bar locations.

Control:

Lighting desk **ETC Ion XE 2k with Fader Wing**
 Control channels **2048 DMX parameters**
 Signal output **DMX 512/ sACN**
 Signal distribution **Network switch located in Dimmer Rack. 10 x Pathport UNO nodes assigned as standard to universe 1 – 9. Dimmers and FOH on Universe 1**
 Remote riggers available onstage **Yes (iPad)**

Dimmer Racks:

Total Dimmers **84**

Dimmer Locations **Dimmers located beneath biobox**

2.4Kw Dimmer Racks 7 x Jands HPC 12x10amp Outlets

Patch Panel Custom built Socapex to tru-con patch panel in dimmer rack. Loose adaptors for ganging.

Ethernet Patch See PDF/DWG drawing for details on locations

1Ru patch located in Dimmer Rack

POE network switch located in Dimmer Rack

House Lights:

Independent control **Yes**
 Control positions **Bio box wall**
 Fade time adjustable **Yes – Manual control only***

Stage Luminare:

Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Acclaim	18/34	Gobo holders	650	7
Selecon	Acclaim	24/44	Gobo holders	650	4
Strand	Leko Elipsoid	20		600	6
Altman	Shakespeare	30		600	6
Altman	Shakespeare	40		600	5
Chauvet	Ovation E-910		LED	235	12
<i>Chauvet</i>	<i>Ovation Lens</i>	36			8
<i>Chauvet</i>	<i>Ovation Lens</i>	50			12

Fresnels

Make	Model	Detail / Accessories	Watt	Total
Selecon	Acclaim	Barndoors	650	12
Selecon	Fresnel		1200	2

PC

Make	Model	Detail / Accessories	Watt	Total
Selecon	Acclaim PC	Barndoors	650	3
Selecon	PC	Barndoors, TV Clamps, pole knobs	1200	5

PAR Cans

Make	Model	Angle	Detail / Accessories	Watt	Total
	PAR56			300	8
	PAR64	MFL		1000	13

Movers

Make	Model	Control Channels	Detail / Accessories	Watt	Total
Chauvet	R1 Wash	21		120	4
Chauvet	R1x Wash	21		120	8

Additional Electrics:

Item	Make	Model	Detail / Accessories	Watt	Total
Mirror Ball		12 inch	1 x motor		2
Hazer	LookSolutions	Unique 2.1	Hire fee applies	1500	1
Kabuki			240v / DMX. Hire fee applies		4
DMX Splitter		8 way			1
DMX Splitter		4 way			1
Tru-con male Adaptor			For patch panel		24
Tru-con female adpator			For patch panel		24
Socapex breakout box	Custom	Custom	6 x 10amp 24v outlet box, Socapex male connector, 2 clamps for mounting on pipe		10

Patching:

For patching locations please ask Technical Production Manager for accompanying plan

Power:

3 Phase Outlets (Used by LX dimmers)

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 DMX to accommodate the venue's standard lighting rig. Any additional equipment may require additional cable stock to be sourced.

Looms

2 x 20m 6-way Wieland

1 x 5m 6-way Socapex

2 x 10m 6-way Socapex (no lamp headers)

4 x 5m Socapex extension

6 x staggered length Socapex tail (female 10amp outlet)

20 x 5m Cat5 Ethercon extension

10 x Neutrik ethercon barrel connector

Lighting Notes:

As the venue has a very limited stock of gel and frost, hirers are required to supply their necessary filters.

AUDIO

Control Position:

Biobox at rear of stalls

Control & Amplification:

Primary Mixer

Yamaha CL5 Console (v 5.1) – 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
Meyer Sound MPS-488HPp – MM4 amplifier

Compression / Limiter / Gates / EQ

Meyer Galileo 616

Speakers:

FOH Speakers

3 x Meyer Sound Ultra X20 (L/R/C)
2 x Meyer Sound UPM-1P (delay/fill)
6 x Meyer Sound MM4
2 x Meyer Sound USW-21P Subs

Foldback / Sidefill

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, Dante Virtual Soundcard	2
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	18
Shure	SM58		Wired HH	3
DPA	4099	Various instrument clips	Instrument	5
Shure	KSM137		Condenser	1
Rode	NT5		Condenser	2
Shure	Beta 52A		Kick Drum	1
Shure	SM57		Instrument	3
Rode	Podcaster		Studio	2
Audio Technica	ATM33a		Condenser	1

Microphone Accessories:

Item	Make / Model	Detail / Accessories	Total
Belt Pack	Sennheiser SK500 G4		16
Receiver	Sennheiser ew500 G4-UHF		16
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	Gibraltar	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

Show relay to the dressing rooms runs to one of the FBT ProMax 12a speakers. Feed comes via band room input 16 and is controlled via the sound console.

AUDIO VISUAL**Projectors:**

Type	Model	Detail / Accessories	Total
EPSON	EB-4750W	Lens: 1.27-2.59 (wide-tele) Focal Length 16.72mm-33.47mm 3 LCD Chip / 4200 lumen Hire fee applies – includes douser	1

Accessories:

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

Screens:

Model	Ratio	Size	Total
Grandview Fast Fold	16:10	158" / 4m (3.4m x 2.2m)	1
Brateck Tripod	4:3 or 16:9	100" / 2.54m @ 4:3	1

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

Cabling:

The theatre has limited stock of AV and ethernet cables and adaptors.

Captioning Abilities:

2 x 50" Screens available for captioning only. Screens are rigged via truss to the side of the auditorium. Captions can only be seen from E Row backwards.
Live Captions are Hirer's expense.

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 **Clear-Com Tempest 2400 Wireless System**

Total Wired Packs **2** (located at bio box)

Total belt packs **3**

Total headsets **4**

Paging / Show relay

There is no paging to the dressing rooms

Show relay to the dressing rooms runs to one of the FBT ProMax 12a speakers. Feed via sound mixer.

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.

Orchestral:

Item	Model	Detail / Accessories	Total
Upright Piano	Kawai	Relocation and tuning to be arranged prior to use	1
Keyboard	Kawai ES920		1
Headphone monitoring station	myMix	Heaphones are not included. Separate hire fee applies. http://www.mymixaudio.com	6
Music Stands	Various		14
Sconces	BravoPro ML10 LED Orchestra Music Light	12v DC	6

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. The shower is located in the disabled toilet at FOH. Please note there are no sinks in the dressing room

Laundry / Wardrobe:

Washing Machines	Yes - Front Load
Dryers	Yes - 8kg Condenser dryer
Drying rooms	No
Iron / ironing board	1 x iron and ironing board
Clothes racks	Yes
Steamer	Yes

Production Facilities:

Production Desk

Three production desks are available for setup in Row E

Production Office

Yes. The space under the dressing room can be used for props storage/SM office. Technical Production Manager's desk and tools chest are also in this location.

Phone/Fax

No

Wifi Internet Access

Yes

Greenroom:

Tea / Coffee facilities	Yes
Fridge / freezer	Yes
Microwave	Yes
Running water	No
Water Cooler	Yes

Stage Door:

Access

Through the main theatre doors on Greenknowe Ave.