

# Hayes Theatre

## **Technical Specifications**

Updated 29/05/19

**Technical and Production Manager:**

**Russell Stewart ('Rusty')**

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**Venue:**

Box Office: 02 8065 7337

Admin: 02 8065 7697

Website: [www.hayestheatre.com.au](http://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	<b>-1090mm</b>
SL to last upstage pipe	<b>7210mm</b>
SL to rear wall	<b>8100mm</b>
CL to OP wall (or obstruction)	<b>4050mm</b>
CL to PS wall (or obstruction)	<b>4050mm</b>
Stage to underside of bulkheads	<b>3750mm</b>
Stage to underside of grid	<b>3980mm</b>
Stage to ceiling	<b>4140mm</b>

### **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 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	-500mm	DH			
3	350mm	DH			
4	1030mm	DH	130kg/m	LX1	
5	1150mm	DH		FOH Speakers	60mm pipe
6	2250mm	DH	130kg/m	LX2	
7	2750mm	DH			
8	3310mm	DH			
9	3800mm	DH			
10	4330mm	DH	130kg/m	LX3	
11	6130mm	DH			
12	6650mm	DH	130kg/m	LX4	
13	7210mm	DH		Tabs	

**Draperly:**

*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 2.1m Fiberglass Platform 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 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 downstage prompt 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.



**Fresnels**

Make	Model	Detail / Accessories	Watt	Total
Selecon	Acclaim	Barndoors	650	<b>13</b>
Selecon	Fresnel		1200	<b>2</b>
Strand	Patt. 123		500	<b>5</b>
Prolite	Compague		1200	<b>2</b>
CCT	Starlette		2000	<b>1</b>
Selecon	PL1	LED	150	<b>6</b>
Selecon	PLFresnel1	LED	150	<b>7</b>

**PC**

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

**PAR Cans**

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

**Movers**

Make	Model	Control Channels	Detail / Accessories	Watt	Total
Chauvet	R1 Wash	21		120	<b>4</b>

Additional Electrics:

Item	Make	Model	Detail / Accessories	Watt	Total
Mirror Ball		12 inch	1 x motor		<b>2</b>
Hazer	LookSolutions	Unique 2.1	Hire fee applies	1500	<b>1</b>

Patching:

Location	Quantity	Numbering (OP to PS)	Detail / Accessories
FOH	13	105 - 117	
LX1	12	12 - 1	
LX2	13	91 - 104	circuit 102 decommissioned
LX3	14	75 - 88	
LX4	14	61 - 74	
OP	6	1 - 6	Socapex
PS	6	1 - 6	Socapex
Floor	10	1 - 10	10 PS and 10 OP in parallel
Back Wall	1	GPO	
Band Room	14	GPO	2 x 20A GPO circuits

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 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*)

**3 phase Extensions**

1 x 5m 32A splitter

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 – 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 UPM-1P (L/R/C)

2 x JBL Control 30 (delay/fill)

6 x Meyer Sound MM4

2 x Meyer Sound PSW-4 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	2
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	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

## 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	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

### Cabling:

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

## **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	<b>Coda Audio Dual Loop Intercom</b>
Total sub stations	<b>2</b>
Total headsets	<b>2</b>

#### **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:**

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

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.

Laundry / Wardrobe:

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

Production Facilities:

**Production Desk**

Three production desks are available for setup in Row E

**Production Office**

No

**Phone/Fax**

No

**Wifi Internet Access**

Yes

Greenroom:

Tea / Coffee facilities	<b>Yes</b>
Fridge / freezer	<b>Yes</b>
Microwave	<b>Yes</b>
Running water	<b>Yes</b>

Stage Door:

**Access**

Through the main theatre doors on Greenknowe Ave.