

# Clocktower Centre

## *Clocktower Centre*

### **Technical Specifications**

Updated  
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**Technical Services Coordinator: Stacie Gibson**

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**Venue:**

Phone number: 03 9243 8819  
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## **STAGE**

### **Brief Stage Description:**

Unraked stage with a proscenium arch and flying facilities. Structural plywood floor covered with masonite sheets. Screwing into surface permitted but larger holes to be authorised by Technical Services Supervisor.

Stage distributed load limit	<b>700kg / m2</b>
Stage Point load limit	<b>400kg</b>
Orchestra Pit distributed load limit	<b>200kg / m2, maximum 6,000kg</b>
Orchestra Pit Point load limit	<b>200kg</b>
Stage Rake	<b>NO</b>

### **Stage Dimensions:**

#### **Proscenium**

Width	<b>10.96 metres</b>
Height	<b>6 metres</b>

#### **Setting Line**

**1.75 metres upstage of the fixed stage/forestage.**

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

SL to DS edge of apron	<b>4200mm</b>
SL to US edge of Orchestra Lift/Pit	<b>1750mm</b>
SL to last upstage fly line	<b>7250mm</b>
SL to rear wall	<b>7400mm</b>
CL to OP wall (or obstruction)	<b>8100mm</b>
CL to PS wall (or obstruction)	<b>11000mm</b>
Stage to underside of grid / roof	<b>15000mm</b>

#### **Overhead obstructions**

PS Gallery height 4000mm  
OP Gallery height 5600mm

### **Auditorium:**

Auditorium consists of stalls (291 seats) and a dress circle (214 seats).

Seating capacity with additional Orchestra lift/pit seating installed	<b>545</b>
Seating capacity <u>without</u> Orchestra lift/pit seating installed	<b>505</b>

## Orchestra Lift / Pit:

### **Orchestra Pit**

A motorised orchestra pit that must be operated by competent staff only.

Set positions for orchestra lift where lift at auditorium level is 0mm

Stage level at **1100mm** above auditorium.

Orchestra pit level at **1600mm** below auditorium.

Lift can be set at any height **No – 600mm below stage level only for Orchestra**

SWL of orchestra lift **6 tonnes with a maximum point loading of 10kN**

Dimensions of the orchestra pit Usable area for an orchestra is 12metres x 2.5 metres

## Flying Facilities:

### **Fly System**

The fly system is a single purchase handline system.

### **Fly System Details**

Operating position	<b>Stage Level, OP.</b>
Total number of lines	<b>30</b>
Panorama Lines	<b>1 bar OP and 1 bar PS.</b>
Batten Drift	<b>14500mm</b>
Batten type	<b>40NB medium steel pipe, (48.3 outside diameter)</b>
Batten length	<b>11200mm</b>
LX bars can be swung	<b>YES</b>
Fly bars can be swung	<b>YES</b>

### **Standard Operation**

Batten point load	<b>at lift line 325kg, between lift lines 60kg</b>
Batten W.L.L.	<b>350kg</b>
Cradle capacity	<b>350kg</b>

### **With Cradle Extensions**

Batten point load	<b>at lift line 400kg, between lift lines 60kg</b>
Batten W.L.L.	<b>500kg</b>
Cradle capacity	<b>500kg</b>

*SEE HANGING PLOT FOR LINE ALLOCATIONS AND FURTHER INFO*

### **Additional Rigging points**

none

**Hanging Plot:***SL: Setting Line as indicated previously**Line Type: SP = Single purchase, DP = Double purchase, MW = Motor Winch, HW = Hand Winch, HL = Handline**W.L.L.: Maximum distributed load including bar weight*

Line #	Dist. from SL	Line Type	W.L.L	Venue Allocation	Intended Use (hiring company use)
H.C	350mm DS	SP	350kg	House Curtain	Not available
1	150mm DS	SP	350kg		Available
2	N/A				
3	250mm	SP	350kg	LX1	Not available
4	N/A				
5	650mm	SP	350kg	Projector	Not available
6	850mm	SP	350kg	Leg	Not available
7	1050mm	SP	350kg		
8	1250mm	SP	350kg		Available
9	1450mm	SP	350kg		Available
10	1650mm	SP	350kg	Border	Not available
11	1850mm	SP	350kg	Leg	Not Available
12	2050mm	SP	350kg	LX2	Not Available
13	N/A				
14	2450mm	SP	350kg		Available
15	2650mm	SP	350kg		Available
16	2850mm	SP	350kg	Border	Not available
17	3050mm	SP	350kg	Mid Tabs	Not available
18	3250mm	SP	350kg		Available
19	N/A				
20	3650mm	SP	350kg		Available
21	3850mm	SP	350kg		Available
22	4050mm	SP	350kg	Border	Not available
23	4250mm	SP	350kg	Leg	Not available
24	4450mm	SP	350kg	LX3	Not available
25	N/A				
26	4850mm	SP	350kg	LX 4 (Par Can)	Not available
27	5050mm	SP	350kg	Border	Not available
28	5250mm	SP	350kg	Leg	Not available
29	5450mm	SP	350kg		Available
30	5650mm	SP	350kg		Available
31	5850mm	SP	350kg	LX5	Not available
32	N/A				
33	6250mm	SP	350kg	Rear Tabs	Not available
34	6450mm	SP	350kg		Available
35	6650mm	SP	350kg		Available
*36	6850mm	SP	350kg	Panarama OP	Available
*37	7050mm	SP	350kg	Panarama PS	Available
38	7250mm	SP	350kg	Cyclorama	Not Available

\* Please note bar 36 and Bar 37 run vertically US to DS

Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain	Velour	Red	6350mm	6500mm	1
Borders	Wool	Black	12200mm	3000mm	4
Legs	Wool	Black	2200mm	6300mm	4 pair
Tabs / Smother	Wool	Black	6400mm	6300mm	2 pair
Cyclorama	Cotton Canvas	White	12200mm	7000mm	1
Scrim	N/A				

Access Equipment:

**Elevated Work Platform**

JLG 20MVL self propelled single Man Lifter

Maximum reach is 5970mm

**EWP Restrictions**

Must be operated by Clocktower Staff.

One additional staff member to be located at base whilst in use.

**Ladders**

(1) 3 metre platform ladder

(1) 2.4 platform ladder

Staging Units:

(4) Ezy Staging Units, 1800 x 2400 x 400 or 600mm

(2) Ezy Staging Treads, 400mm

Stage Covers:

**Style** N/A

**Dimensions** N/A

**Colour** N/A

Stage Traps:

Four Traps on either side of stage (mirrored) at 1450mm, 3150mm, 4850mm and 6550mm upstage of SL. All have dimensions of 290 x 150mm.

Safety Curtain:

Safety Curtain installed **No**

Safety Curtain must be unobstructed at all times **N/A**

Thickness of Fire Curtain **N/A**

Distance from setting line **N/A**

**Additional Requirements**

None

## Loading Dock:

### **Access**

Truck access via Pascoe Vale Road. Up to 8 Tonne Trucks can reverse into loading dock.

Loading Dock Height      **6500mm**

Door Dimensions            **4200mm High**  
   **3200mm Wide**

### **Restrictions / Obstructions**

Stage Level is 2100mm above dock/street level.

Goods lift 1900 x 2200.

Inner Roller Door -      **3350mm High**  
   **3300mm Wide**

Semi trucks are to be parked on street and all equipment to be transferred by hand to the goods lift.

## Staging Notes:

All flown items must be rigged with rated equipment and is subject to approval by a venue representative.

Limited rigging gear available in house. All flown items must be approved by a venue representative.

The Clocktower Centre reserves the right to refuse any flown item at any time.

All flying must be supervised by a venue representative.

## **LIGHTING**

### **Positions:**

**Stage LX Bars** LX Bars can be swung with prior notice to the venue staff.

*See hanging plot for standard LX bar locations*

### **FOH Bridge 2**

Setting Line to lighting bar **12000mm**

Usable bar width **12900mm**

Notes -

### **FOH Bridge 1**

Setting Line to lighting bar **6400mm**

Usable bar width **12900mm**

Notes -

### **Orchestra Bar**

Setting Line to lighting bar **N/A**

Usable bar width **N/A**

Notes N/A

### **Dress Circle Bar**

Setting Line to lighting bar **18700mm**

Usable bar width **16500mm**

Notes No patch points available on bar.

### **FOH Perches (OP & PS)**

Perch US (OP &PS) **8200mm (CL), 1800mm (SL)**

Perch DS (OP &PS) **8200mm (CL), 5700mm (SL)**

Maximum lights per perch **(8) Selecon Pacific Zoomspots**

Notes Maximum rigging height 4000mm

### **Standard Rig:**

2 colour FOH and wash L153/L202

LED par back light

LED Cyc Wash

5 profiles on FOH2 and 3 profiles from LX 1 available for specials

### **Control:**

Lighting desk **Etc ION 1500 with universal fader wings 2x10 & 2x20**

Signal distribution **Two rings of DMX to isoports around building. Distributed dimming system**

### **Dimmer Racks:**

**Total Dimmer Racks 14**

2.4Kw Dimmer Racks **Jands HP -11 (Digital)**

Total dimmers @ 2.4kw per dimmer **144 channels**

5Kw Dimmer Racks **Jands HP - 3 (Digital)**

Total dimmers @ 5kw per dimmer **12 channels**

**House Lights:**

Independent control	<b>Yes</b>
Control positions	<b>Control Room and Stage Managers Console.</b>
Fade time adjustable	<b>Yes</b>

**Stage Luminaire:****Profiles**

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Pacific	12/28	(10) Gobo holders to suit, (2) iris'	1000w	<b>30</b>
Selecon	Pacific	26/50		1000w	<b>20</b>
Selecon	Pacific	12/28	(10) Gobo holders to suit, (2) iris'	600w	<b>12</b>
Selecon	Pacific	26/50		600w	<b>12</b>

**Fresnel's**

Make	Model	Detail / Accessories	Watt	Total
Selecon	HP	(16) Barndoors	1200w	<b>16</b>
Selecon		(20) Barndoors	650w	<b>20</b>

**PC**

Make	Model	Detail / Accessories	Watt	Total
Selecon	HP	(16) Barndoors	1200w	<b>16</b>

**Par Cans**

Make	Model	Angle	Detail / Accessories	Watt	Total
Chauvet	RGBWA + UV Led pars	MFL	(20) 240V Lamps, MFL Only All DMX controlled	60w	<b>20</b>

**Cyc Wash**

Make	Model	Detail / Accessories	Watt	Total
Chauvet	Ovation C-640FC	Gel Frames	190w	<b>12</b>

**Movers**

Make	Model	Control Channels	Detail / Accessories	Watt	Total
N/A					

**Followspots**

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Pacific		4 colour magazine	1200w	<b>2</b>

**Additional**

Item	Make	Model	Detail / Accessories	Watt	Total
Mirror Ball	-	18"	18" diameter ball with motor		<b>2</b>
Molefay Duets				1200w	<b>2</b>
UV Fluro Battens					<b>6</b>
Strobe	Martin	Giga strobe	DMX controlled (2) chans	1500w	
Smoke Machine	Martin	Magnum 1800	DMX controlled		<b>2</b>
Hazer	Martin	Unique	DMX controlled		<b>1</b>



**Patching:**

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
FOH 1	26	25-44 / 75-80	
FOH 2	26	45-64 / 69-74	
LX 1	36	1 - 36	
LX 2	24	1 - 24	
LX 3	24	1 - 24	
LX 4			LED par bar
LX 5	24	1 - 24	
PERCH DSP	6	13 - 18	
PERCH DSOP	6	19 - 24	
PERCH USP	6	1 - 6	
PERCH USOP	6	7 - 12	

**Production Desk:**

Production desk set-up at the back of the stalls. Table accommodates 2 people with dimmable lighting, DMX for the lighting desk, talkback, and audio patch lines.

**Power:**

**3 Phase Outlets**

- (2) 40A understage on PS (one for dimmer use only)
- (1) 40A understage on OP (dimmer use only)
- (1) 40A tech office.
- (8) 40A PS Gallery (dimmer use only) & (1) 32A PS Gallery.
- (2) 40A OP Gallery
- (1) 40A in Foyer

**Cabling:**

**240v Extension Cable**

The theatre has a good stock of extension leads to accommodate the venue's standard lighting rig.

**Looms**

- (2) 20m 5-way Weiland
- (2) 20m 8-way Weiland
- (2) 30m 5-way Weiland
- (2) 30m 8-way Weiland

**3 phase Extensions**

- (2) 40 AMP 20m

## **AUDIO**

### **Control & Amplification:**

#### **Primary Mixer**

Yamaha CL3, PW800W power supply, RIO 3224 rack - onstage, RO 8 Output – gallery (amp rack)

#### **Amplifiers**

NEXO – NEXNXAMP4X4C

2 x MC2 Audio T1000 power amplifiers, 2 channel

#### **EQ**

CL3

#### **FX**

CL3

#### **Compression / Limiter**

CL3

### **Speakers:**

#### **FOH Speakers**

**Left and Right -**

1x Nexo GEOS1210, 2 x Nexo GEOS1230 array

**Subs (Centre hung) -**

2 x Nexo – RS15P

#### **Additional speakers (Foldback or front fill)**

4 x JBL Control 1 overhead monitors rigged on LX 1

4 x JBL Control 1 overhead monitors rigged on LX 3

6 x RCF ART310 powered speaker

3 x Tannoy T300

1x Tannoy T12

2 x Tannoy i8

2 x Funktion 1 Minibass 212

### **Control Positions:**

#### **Control Room**

Above Dress Circle. Control Room open to Auditorium

#### **Auditorium**

Located at rear of Stalls in the centre of row N or M. Seats must be allocated if company desk is to be placed in this position.

#### **Other**

Prompt side at Stage Manager's console, mixer can be patched through to house system.

### **Playback\*:**

Item	Make	Model	Detail	Total
Mac Mini	Apple		iTunes, Qlab 3, Dante Virtual Sound Card	1
CD Player	Tascam	CD500	CD500	2

\*Facilities for playback via laptop or ipod available (company to supply laptop/i pod).

**Microphones & DIs:**

<b>Make</b>	<b>Model</b>	<b>Detail / Accessories</b>	<b>Use</b>	<b>Total</b>
AKG	HM1000 & CK 47	Condenser Cardioid	Choir	<b>3</b>
Beyer	M88TG	Dynamic HC	Vocal/Kick Drum	<b>2</b>
Beyer	M201TG	Dynamic HC	Instrum./Drum	<b>4</b>
DPA	Defacto II	Wired or wireless with adaptor. Condenser, HC	Vocals	<b>2</b>
Microtech Gefell	M930	Lrg diaphragm Condenser cardioid. Shock mount.	Piano/instrum.	<b>2</b>
Shure	KSM141	Condenser Omni/Cardioid	Instrument	<b>2</b>
Shure	KSM137	Condenser Cardioid	Instrument	<b>4</b>
Shure	SM Beta 58a	Dynamic HC	Vocals	<b>6</b>
Shure	SM 57	Dynamic Cardioid	Instrument	<b>2</b>
Sennheiser	500 series	Radio Channels		<b>8</b>
Sennheiser	EW 512	Body Pack		<b>6</b>
		Headset mic Condenser Omni	Vocals	<b>6</b>
		Lapel mic Condenser Omni	Vocals	<b>4</b>
Sennheiser	EW 500/e945 capsule	Handheld Radio Dynamic HC	Vocals	<b>4</b>
Sennheiser	E835g	Dynamic Cardioid Switch		<b>2</b>
Sennheiser	E815g	Dynamic Cardioid Switch		<b>2</b>
Sennheiser	E845	Dynamic Hyper cardioid		<b>1</b>
Sennheiser	E840	Dynamic Hyper Cardioid		<b>1</b>
Shure	Beta98 AMP	A75M Stand mount. Condenser Cardioid	Drums/horns	<b>4</b>
Shure	Beta52a	Dynamic cardioid	Kick Drum	<b>1</b>
Shure	MX418	Goose Neck Condenser	Lectern	<b>1</b>
Shure	MX412	Goose Neck Condenser	Lectern	<b>1</b>
Shure	MX393/S	Plate Microphone Condenser	Choir	<b>3</b>
BSS	Active DI	AR133		<b>2</b>
Radial	JDI	Passive Direct		<b>4</b>
Radial	JPC	Stereo Active DI		<b>2</b>
Radial	USB DI	Stereo		<b>2</b>
Radial	Pro AV	Passive Stereo DI		<b>2</b>

**Accessories:**

<b>Item</b>	<b>Model</b>	<b>Detail / Accessories</b>	<b>Total</b>
Microphone Stands	Tripod Base	Long	<b>10</b>
	Tripod Base	Short	<b>5</b>
	Round Base	Long	<b>4</b>
	Round Base	Short	<b>4</b>
	Table stand		<b>3</b>
Lectern			<b>2</b>
Speaker Stands	Tripod Base		<b>4</b>

**Patching:**

Location	Quantity	Numbering	Detail
Control Room	40	1 – 40	32 sends, 8 returns
Production Point	40	1 – 40	32 sends, 8 returns
OP Wing	24	1 – 24	24 sends
Orchestra Pit	24	1 – 24	24 sends
Rear Stage Prompt	4	1 – 4	4 sends
Rear Stage O Prompt	4	1 – 4	4 sends
Foyer	4	1 – 4	4 returns

\*all patch points to prompt Rack

**Dante Patching:**

Location	Quantity	Detail
Bio Box	3 Primary, 3 Secondary	
Stalls Row N	3 Primary, 3 Secondary	
Amp Rack	2 Primary 2 Secondary	
PS Rack	3 Primary, 2 Secondary	

**Cabling:**

**Audio Cable**

The theatre has a good stock of cable to accommodate the venue’s audio equipment. The inventory includes 3 pin XLR, speakon and cat 6 cabling. If additional audio equipment is being brought in additional cabling will be required.

## **AUDIO VISUAL**

### **Projection Room:**

- 1x Panasonic HMX 100 Vision Switcher
- 1x Blackmagic Design SmartView HD Screen
- 1x Blackmagic Design SmartView Duo
- 1x Mac Mini with Qlab and Microsoft Office
- 1x Blu Ray Player
- \*Mac users required to bring in own VGA adaptors for laptops.

### **Projectors:**

- 2 x Hitachi CPWU 9410 with short throw lens, 8500 lumens
  - Native Resolution: 1920x1200*
  - Aspect Ratio: 16:10*
  - Video imaging should be in HD format, so 1080p/60 or 1080i*
- 1 x Mitsubishi board room projector, 3000 lumens

### **Screens:**

- Fast fold screen 20'x11'3"
- Cyclorama can be used as a screen.

### **Projector Rigging Points:**

- Line 5 (ideal position to fit cyclorama). The Projector can be moved in consultation with Technical Services Supervisor.

### **Cabling:**

- The theatre has 4 SDI runs through the building. 2 in prompt corner and 2 in the prompt mid gallery. The theatre has an assortment of SDI, HDMI and VGA cables.

## **BACKSTAGE**

### Communications:

#### **Stage Managers Desk**

Stage Manager's desk is located in prompt corner. The desk can be moved within its area and is fitted with a light, clock, stage video and audio, talkback and dressing room paging.

#### **Talkback**

Master Unit

**Clear-Com Main Station MS702 two running two channel**

**HME BS200 Base Station wireless system integrated into Clear-Com**

Total sub stations

**2 beltpacks with headsets, 4 squawk boxes**

**5 beltpacks (wireless) with headsets**

Talkback patching located at: **Stage Manager's Desk (master station)**

**Control Room, lighting, audio, dome x 2**

**Flys OP**

**US x 2**

**Production Position and Centre Stalls**

**Orchestra Pit**

**Green Room**

#### **Paging / Show relay**

Paging to the dressing rooms is available from the stage manager's desk. Show relay is distributed to all dressing rooms and green room. Most rooms have an individual volume control.

#### **Stage Monitor**

TVs set-up in green room, foyer and SM position. Camera located centre of bio box

#### **Q Light System**

In house Q light system available **No**

**Dressing Rooms:**

Dressing Room	Capacity	Toilets	Shower	Details
Dressing Rm #1	2	1	Yes	
Dressing Rm #2	2	1	Yes	
Dressing Rm #3	6	No	No	Shared shower & toilets with DR #4
Dressing Rm #4	11	No	No	Shared shower & toilets with DR #3
Studio	80	No	No	Additional room if required

**Laundry / Wardrobe:**

- Washing Machines           **One**
- Dryers                           **One**
- Iron / ironing board       **One**
- Clothes racks               **2 mobile racks, each dressing room has fixed rails**

**Production Facilities:**

**Production Office**

No. Dressing room #3 can be used as an office

**Phone**

No.

**Fax**

Yes.

**Access to phone**

No

**Internet Access**

Wireless Pass available (reception in FOH areas)

**Greenroom:**

- Tea / Coffee facilities   **Yes**
- Fridge                       **Yes**
- Microwave               **Yes**
- Running water           **Yes**

**Stage Door:**

**Access**

Stage Door is located next to loading dock on Pascoe Vale Road. This door is unsupervised and kept locked at all times. Generally access for cast and crew is through main front entrance 0900-1700. Access through the foyer outside these hours can be negotiated with the Technical Services Coordinator.

**ADDITIONAL FACILITIES & INFORMATION**

**Orchestral:**

Orchestra pit.

**Rehearsal Space:**

Studio, 10.5m x 9m, timber floor, one side with ceiling to floor mirrors. Bookings required for use



## **VENUE:**

### **Venue Contacts:**

Venue Address **750 Mt Alexander Road, MOONEE PONDS, VIC 3039**

Venue Postal Address **750 Mt Alexander Road, MOONEE PONDS, VIC 3039**

### **Staff Contacts:**

#### **Cultural Facilities Coordinator**

Mobile

Email Address

**Matthew Pope**

0413 835 033

[mpope@mvcc.vic.gov.au](mailto:mpope@mvcc.vic.gov.au)

#### **Technical Services Supervisor**

Email Address

**Stacie Gibson**

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#### **Team Leader - Operations**

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#### **Ticketing Services Supervisor**

Email Address

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#### **Venue Technician**

Email Address

**Matthew Fabris**

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#### **Office Contact**

Phone Number

03) 9243 8819

Fax Number

03) 9243 9177

Box Office

03) 9243 9191

### **Venue Plans:**

#### **Venue Plan Available**

Yes, hard copy at 1:100 can be mailed, or a PDF emailed upon request. Also available at our web site.

#### **Venue Section Available**

Yes, hard copy at 1:100 can be mailed, or a PDF emailed upon request. Also available at our web site.