

Plenty Ranges

Yan Yean Theatre

Technical Specifications

Updated
210408

Technical Manager: Colin Clune

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Venue:

Phone number: 03 9217 2317
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STAGE

Brief Stage Description:

Unraked stage with a proscenium arch and flying facilities. Structural plywood floor covered with masonite sheets, mounted on rubber mounts. Screwing into surface or tape marking to be authorised by Technical Manager.

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

Stage Dimensions:

Proscenium

Width	12.0 metres
Height	6 metres

Setting Line

Upstage edge of Fire Curtain channel.

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

SL to DS edge of apron	3300mm
SL to DS edge of Orchestra Lift/Pit	3300mm
SL to last upstage fly line	7900mm
SL to rear wall	8800mm
CL to OP wall (or obstruction)	8700mm
CL to PS wall (or obstruction)	13000mm
Stage to underside of grid / roof	16000mm

Overhead obstructions

PS Gallery height	6000mm
OP Gallery height	6000mm

Auditorium:

Auditorium consists of stalls.

Seating capacity with additional Orchestra pit seating installed	555
Seating capacity <u>without</u> Orchestra pit seating installed	499

Orchestra Pit:

Orchestra Pit

A manual orchestra pit that must be reconfigured by venue staff only.

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

Stage level at **900mm** above auditorium.

Orchestra pit level at **1500mm** below auditorium.

Lift can be set at any height **N/A**

SWL of orchestra lift **N/A**

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. All fly line movements are to be directly supervised by venue staff.

Fly System Details

Operating position	Stage Level, OP.
Total number of lines	30
Panorama Lines	1 bar OP and 1 bar PS.
Batten Drift	15000mm
Batten type	75 x 50 RHS steel section
Batten length	15000mm
LX bars can be swung	YES
Fly bars can be swung	YES

Standard Operation

Batten point load	at lift line 325kg, between lift lines 60kg
Batten W.L.L.	450kg
Cradle capacity	450kg

With Cradle Extensions

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

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	0mm	MW	350kg	House Curtain	Not available
1	150mm	SP	350kg	Scrim	
2	300mm	SP	350kg	Border	Not Available
3	450mm	SP	350kg	LX1	Not available
4	N/A				Not available
5	750mm	SP	350kg	Leg 1	Not Available
6	N/A				Not available
7	1050mm	SP	350kg		
8	1200mm	SP	350kg	Mirror Ball	
9	1350mm	SP	350kg		
10	N/A				Not available
11	1650mm	SP	350kg		
12	N/A	SP			Not available
13	1950mm	SP	350kg		
14	N/A				Not available
15	2250mm	SP	350kg		
16	N/A				Not available
17	2550mm	SP	350kg	Leg 2 + border	Not Available
18	N/A				Not available
19	2850mm	SP	350kg		
20	N/A				Not available
21	3150mm	SP	350kg	Border	Not Available
22	N/A				Not available
23	3450mm	SP	350kg	LX 2	Not Available
24	N/A	SP			Not available
25	3750mm	SP	350kg	½ Tab	Not Available
26	N/A				Not available
27	4050mm	SP	350kg	Leg 3	Not Available
28	N/A				Not available
29	4350mm	SP	350kg		
30	N/A				Not available
31	4650mm	SP	350kg		
32	N/A				Not available
33	4950mm	SP	350kg		
34	N/A				Not available
35	5250mm	SP	350kg	Border	Not Available
36	N/A				Not available
37	5550mm	SP	350kg	Leg 4	Not Available
38	N/A				Not available
39	5850mm	SP	350kg	LX 3	Not Available
40	6000mm	SP	350kg	PS Panorama Bar	Not Available
41	6150mm	SP	350kg	LX 4	Not Available
42	N/A				Not available
43	6450mm	SP	350kg		

44			350kg		
45	6750mm		350kg		
46	6900mm		350kg	OP Panorama Bar	Not Available
47	7050mm		350kg		
48	7200mm	SP	350kg	Cyclorama	Not Available
49	7350mm	SP	350kg	US Tab	Not Available

Drapery:

*Type	Material	Colour	Width	Height	Quantity
House Curtain	Velour	Green	12000mm	6500mm	1
Borders	Wool	Black	14000mm	3000mm	4
Legs	Wool	Black	2200mm	6300mm	4 pair
Tabs / Smother	Wool	Black	6400mm	6300mm	2 pair
Cyclorama	Sharkstooth	White	14200mm	6000mm	1
Scrim	Sharkstooth Gauze	White	14000mm	6000mm	1

Access Equipment:

Elevated Work Platform

JLG 20 mvl motorised vertical lift.

Maximum reach is 6000mm

EWP Restrictions

Must be operated by Plenty Ranges Staff.

Ladders

(1) 4 metre "A" Frame aluminium.

(1) 2.1 metre "A" Frame fibreglass.

Staging Units:

(10) Staging Units, 1200 x 2400 x 400mm

Stage Covers:

Style N/A

Dimensions N/A

Colour N/A

Stage Traps:

Four Traps on either side of stage (mirrored) at 0 mm, 2000mm, 6000mm and 4000mm upstage of SL. All have dimensions of 290 x 150mm.

Safety Curtain:

Safety Curtain installed **Yes**

Safety Curtain must be unobstructed at all times **Yes**

Thickness of Fire Curtain **110mm**

Distance from setting line **0mm**

Additional Requirements

None

Loading Dock:

Access

Truck access via Service Lane way. Trucks can reverse into loading dock.

Loading Dock Height **930mm**
Door Dimensions **3600mm High**
 2270mm Wide

Restrictions / Obstructions

Inner Roller Door - **3560mm High**
 2400mm Wide

Staging Notes:

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

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

Plenty Ranges reserves the right to refuse any flown item at any time.

All flying must be directly supervised by a venue representative.

LIGHTING

Stage LX 1

Setting Line to lighting bar	350mm
Usable bar width	14000mm
Notes	-

Stage LX 2

Setting Line to lighting bar	3150 mm
Usable bar width	14000 mm
Notes	-

Stage LX 3

Setting Line to lighting bar	5750mm
Usable bar width	14000mm
Notes	-

Stage LX 4

Setting Line to lighting bar	5900mm
Usable bar width	14000mm
Notes	-

FOH Bridge 2

Setting Line to lighting bar	9900mm
Usable bar width	16000mm
Notes	-

FOH Bridge 1

Setting Line to lighting bar	6900mm
Usable bar width	16000mm
Notes	-

Orchestra Bar

Setting Line to lighting bar	1400 mm
Usable bar width	14000 mm
Notes	-

Dress Circle Bar

Setting Line to lighting bar	17000mm
Usable bar width	12000mm
Notes	-

FOH Perches (OP & PS)

Perch US (OP &PS)	8600mm (CL), 5000mm (SL)
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Maximum lights per perch	4
Notes	-

Control:

Lighting desk **Strand 300**
 Control channels **100**
 Attribute channels **100**
 Signal output **[Click here and type signal output]**
 Signal distribution **One ring of DMX to isoports around building. Distributed dimming system**
 Remote riggers available onstage **Yes**

Dimmer Racks:

Total Dimmer Racks 12
 2.4Kw Dimmer Racks **Dynalite Pro Pak**
 Total dimmers @ 2.4kw per dimmer **132 channels**
 5Kw Dimmer Racks **Dynalite Production dimmer**
 Total dimmers @ 5kw per dimmer **6 channels**

House Lights:

Independent control **Yes**
 Control positions **Control Room and Stage Managers Console.**
 Fade time adjustable **No**

Stage Luminaire:

Profiles

Make	Model	Angle	Detail / Accessories	Watt	Total
Strand	Cantata	18/32	(6) Gobo holders to suit	1200w	28
Strand	Prelude	16/30	(10) Gobo holders to suit, (8) iris'	650w	22

Fresnel's

Make	Model	Detail / Accessories	Watt	Total
Strand	Cantata	(40) Barndoors; (40) Gel Frames	1200w	40

Par Cans

Make	Model	Angle	Detail / Accessories	Watt	Total
	Par64	MFL	(16) 110V Lamps Black	1000w	16
James Thomas	Par64	MFL	(10) 240V Lamps, Chrome	1000w	10

Wash

Make	Model	Detail / Accessories	Watt	Total
Selecon		(4) cells per unit	800w	8

Movers

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

Followspots

Make	Model	Angle	Detail / Accessories	Watt	Total
Selecon	Performer	5 - 20	5 colour frames	2000w	2

Additional Lighting:

Item	Make	Model	Detail / Accessories	Watt	Total
Mirror Ball	-	18"	20" diameter ball with motor		2
Pin Spots	-	-			6

Patching:

Location	Quantity	Numbering (PS to OP)	Detail / Accessories
FOH 1	48	45 - 88	
FOH 2	48	1 - 44	
PS Gallery	48	194 - 241	<i>From stage floor traps</i>
LX 1	24	98 - 121	
LX 2	24	122 - 145	
LX 3	12		
LX 4	24	146 - 169	

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

- (1) 40A downstage on PS
- (1) 40A downstage on OP
- (1) 40A upstage on PS
- (1) 40A upstage on OP
- (1) 40A tech office.
- (8) 40A PS Gallery (dimmer use only)
- (2) 40A FOH Bridge 1 (dimmer use only).
- (2) 40A FOH Bridge 2 (dimmer use only).
- (1) 10A Orch Bar (Chain Motor Winch Only)
- (2) 40A in Bio Box

Cabling:

240v Extension Cable

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

Looms

N/A

3 phase Extensions

N/A

AUDIO

Control Positions:

Control Room

Rear Auditorium. Control Room open to Auditorium

Auditorium

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

Other

Prompt side at Stage Managers console, mixer can be patched through to house system.

Control & Amplification:

Primary Mixer

Soundcraft GB8, 32 channels, 2 stereo inputs, 8 sends and phantom power.

Amplifiers

- (2) Peavey IPS 800
- (1) Australian Monitor AM800
- (1) QSC Audio USA 850

EQ

- (2) Peavey CEQ280a digital Graphic Eq
- (1) Yamaha DEQ5 Digital graphic Eq.
- (2) Rane ME60 Stereo Graphic Eq

FX

Yamaha SPX990 effects unit

Compression / Limiter

DBX 166A Stereo Compressor

Speakers:

FOH Speakers

- (1) Peavey HV1580 300w centre
- (2) Peavey HV1580 300w left and right
- (4) Peavey ER1500 350w Subs

Foldback

- (2) JBL MR802 250w Downstage PS & OP

Playback:

Item	Make	Model	Detail	Total
CD Player	Denon	C680	Single CD player	1
CD Player	Denon	C635	Single CD player	1
Cassette Player	Marantz	PMD510	Dual cassette player	2

Microphones:

Make	Model	Detail / Accessories	Use	Total
Shure	SM 58a	Clips	Vocals	4
Shure	SM57	Clips	Instruments	4
Shure	SM94	Clips	Instruments	4
Sennheiser	EW 300	Handheld Radio with Clips	Vocals	4
Sennheiser	EW 300	Lapel Radio	Vocals	10

Accessories:

Item	Model	Detail / Accessories	Total
Microphone Stands	Tripod Base	With Boom Arm	10
Microphone Stands	Tripod Base	Small	1

Patching:

Location	Quantity	Numbering	Detail
Control Room	40	1 – 40	32 sends, 8 returns
PS Wing (Mic)	20	1 - 20	20 sends
OP Wing (Mic)	20	21 – 40	20 sends
Orchestra Pit (Mic)	10	41 – 50	10 sends
PS Wing (Tie)	10	1 – 10	4 sends/returns (male & female)
OP Wing (Tie)	10	11 – 20	4 sends/returns (male & female)
Orchestra Pit (Tie)	4	21 – 24	4 send/returns (male & female)

Cabling:

Audio Cable

The theatre has a good stock of cable to accommodate the venue's audio equipment. If additional audio equipment is being brought in additional cabling may be required.

Multicore

(1) 10m, 12 lines

AUDIO VISUAL

Projection Room:

N/A

Projectors:

Hitachi CPX275 Boardroom projector, 1100 ansi lumens
Sanyo 6500 ansi lumens

Screens:

12 x 9 feet fast fold hung on line13
Cyclorama can be used as a screen.
Scrim can be used as a screen

Projector Rigging Points:

Bio Box

Above forestage on platform

Projector can be hung from any of our flown lighting bars.

Cabling:

The theatre has some stock of VGA and RCA cable to accommodate the venue's own equipment.

BACKSTAGE

Communications:

Stage Managers Desk

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

Talkback

Master Unit

Creative Audio C120 command centre two running two common loops

Total sub stations

6 beltpack with headsets

Talkback patching located at: **Stage Managers Desk**

Control Room, lighting, audio, dome x 2

Flys OP

US x 2

Production Position and Centre Stalls

Orchestra Plt

Tech Office

Paging / Show relay

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

Stage Monitor

TV's set-up in green room, Dressing rooms and SM position. Camera located rear centre of auditorium

Q Light System

In house Q light system available **No**

Dressing Rooms:

Dressing Room	Capacity	Toilets	Shower	Details
Dressing Rm #1	10	1	Yes	
Dressing Rm #2	2	No	No	Shared shower & toilets with DR #1
Dressing Rm #3	25	1	Yes	
Dressing Rm #4	25	1	Yes	
Green Room	10	2	Yes	
Woodstock Theatre	138	No	No	Additional room if required

Laundry / Wardrobe:

Washing Machines **No**
 Dryers **No**
 Iron / ironing board **One**
 Clothes racks **1 mobile rack, most dressing rooms have fixed rails**

Production Facilities:

Production Office

No. Dressing room #2 can be used as an office

Phone

No

Fax

Yes, available in administration office

Access to phone for internet access

No.

Greenroom:

Tea / Coffee facilities **Yes**
 Fridge **No**
 Microwave **No**
 Running water **Yes**

Stage Door:

Access

Stage Door is located near loading dock on Service Lane. This door is unsupervised and kept locked at all times.

ADDITIONAL FACILITIES & INFORMATION

Orchestral:

N/A

Rehearsal Space:

Eucalypt Room. Bookings required for use

VENUE:

Venue Contacts:

Venue Address **35 Ferres Boulevard, South Morang, Vic, 3752**
Venue Postal Address **Locked Bag 1, Bundoora MDC, Bundoora, Vic, 3083**

Staff Contacts:

Venue Manager **James Mavros**
Mobile 0400 634 573
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Technical Manager **Colin Clune**
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Venue Plans:

Venue Plan Available

Yes, hard copy can be mailed, or a PDF emailed upon request.

Venue Section Available

No