# Plenty Ranges Arts & Convention Centre

## **Yan Yean Theatre Technical Specifications**

***Updated***

***17/06/2015***

**Technical Co-ordinator: Anthony Rogan**

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**Venue:**

**Phone number: 03 9217 2317**

**Fax number: 03 9409 9802**

### STAGE

#### Brief Stage Description:

The Yan Yean Theatre has an un-raked stage with a proscenium arch and full flying facilities. The stage floor consists of a structural plywood floor covered with masonite sheets, mounted on rubber mounts. Screwing into the surface or tape marking is to be authorised by the Technical Coordinator.

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 **N/A**

Seating capacity without

Orchestra pit seating installed **497**

#### Orchestra Pit:

The orchestra pit must be reconfigured manually by venue staff only. Pit can be configured in the closed, MD section open or fully opened position.

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

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

SWL of orchestra lift **N/A**

Dimensions of the 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 **225kg**

Batten W.L.L. **450kg**

Cradle capacity **400kg**

**With Cradle Extensions (Venue has NO Extensions)**

Batten point load **225kg**

Batten W.L.L. **450kg**

Cradle capacity **450kg**

*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** |
|  |  |  |  |  |
| H.C | 0mm | MW | 450kg | House Curtain |
| 1 | 150mm | SP | 450kg | Border |
| 2 | 300mm | SP | 450kg | Projection Screen |
| 3 | 450mm | SP | 450kg | Legs 1 |
| 4 | N/A |  |  |  |
| 5 | 750mm | SP | 450kg | LX 1 |
| 6 | N/A |  |  |  |
| 7 | 1050mm | SP | 450kg | Scrim |
| 8 | 1200mm | SP | 450kg |  |
| 9 | 1350mm | SP | 450kg |  |
| 10 | N/A |  |  |  |
| 11 | 1650mm | SP | 450kg | Border |
| 12 | N/A | SP |  |  |
| 13 | 1950mm | SP | 450kg | Legs 2 |
| 14 | N/A |  |  |  |
| 15 | 2250mm | SP | 450kg |  |
| 16 | N/A |  |  |  |
| 17 | 2550mm | SP | 450kg |  |
| 18 | N/A |  |  |  |
| 19 | 2850mm | SP | 450kg | Border |
| 20 | N/A |  |  |  |
| 21 | 3150mm | SP | 450kg | LX 2 |
| 22 | N/A |  |  |  |
| 23 | 3450mm | SP | 450kg | Legs 3 |
| 24 | N/A | SP |  |  |
| 25 | 3750mm | SP | 450kg | ½ Tab |
| 26 | N/A |  |  |  |
| 27 | 4050mm | SP | 450kg |  |
| 28 | N/A |  |  |  |
| 29 | 4350mm | SP | 450kg |  |
| 30 | N/A |  |  |  |
| 31 | 4650mm | SP | 450kg |  |
| 32 | N/A |  |  |  |
| 33 | 4950mm | SP | 450kg | Border |
| 34 | N/A |  |  |  |
| 35 | 5250mm | SP | 450kg | Legs 4 |
| 36 | N/A |  |  |  |
| 37 | 5550mm | SP | 450kg | LX 3 |
| 38 | N/A |  |  |  |
| 39 | 5850mm | SP | 450kg | LX 4 |
| 40 | 6000mm | SP | 450kg | PS Panorama Bar |
| 41 | 6150mm | SP | 450kg |  |
| 42 | N/A |  |  |  |
| 43 | 6450mm | SP | 450kg |  |
| 44 | N/A |  | 450kg |  |
| 45 | 6750mm |  | 450kg |  |
| 46 | 6900mm |  | 450kg | OP Panorama Bar |
| 47 | 7050mm |  | 450kg |  |
| 48 | 7200mm | SP | 450kg | Cyclorama |
| 49 | 7350mm | SP | 450kg | US Tab |

#### 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**

EWP 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 Traps:

Four Dip 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**

#### Loading Dock:

##### Access:

Truck access is 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 x **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 is 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 **750mm**

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 **5550 mm**

Usable bar width **14000 mm**

Notes -

**Stage LX 4**

Setting Line to lighting bar **5850mm**

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)**

Maximum lights per perch **2**

Notes Limited room in perch, no large fixtures

#### Control:

Lighting desk **LSC Clarity LX600**

Control channels **From 8,192 DMX Slots**

Signal output **DMX 512a, ArtNet, sACN, RDM**

Signal distribution **Universe 1 – DMX512a from Control Room to 10way (5x3pin & 5x5pin) isolated splitter on Stage Bridge. One Port used for dimmer control ring around venue.**

**Universe 2 – DMX512a from Control Room to 8way (4x3pin & 4x5pin) isolated splitter on Stage Bridge fed to each stage LX bar**

**Universe 3 – Ethernet to DMX from Control room to 5way isolated splitter on Stage Bridge.**

**DMX points available Prompt and OP Upstage and Downstage, on all LX Bars and FOH.**

Remote riggers available onstage **Yes**

#### Dimmer Racks:

**Total Dimmer Racks 14**

2.4Kw Dimmer Racks **State Automation Solution Cool**

Total dimmers @ 2.4kw per dimmer **168 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 Luminare:

**Profiles**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Make** | **Model** | **Angle** | **Detail / Accessories** | **Watt** | **Total** |
| ETC | Source4 | 15/30 | (6) Gobo holders to suit | 750w | **27** |
| 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** |

#### Wash

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Make** | Model | **Detail / Accessories** | **Watt** | **Total** |
| Selecon |  | (4) cells per unit | 800w | **8** |
| DTS | Delta 7B | LED fixture | 400w | **12** |

#### 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** |
| Molefaye Duo | - |  |  |  | **2** |
| LED Pars | Pro Shop |  | RGB hung on LX1A |  | **20** |

#### Patching:

|  |  |  |  |
| --- | --- | --- | --- |
| **Location** | **Quantity** | **Numbering**  *(PS to OP)* | **Detail / Accessories** |
| FOH 1 | 48 | 45 - 88 |  |
| FOH 2 | 48 | 1 - 44 |  |
| PS Gallery | 48 | 194 - 241 | *From stage floor traps* |
| LX 1 | 24 | 98 – 121 |  |
| LX 2 | 24 | 122 - 145 |  |
| LX 3 | 34 |  |  |

#### Production Desk:

A Production desk can be set-up at the back of the stalls. A standard production desk 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.

### AUDIO:

#### Control Positions:

**Control Room**

Rear of 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**

Yamaha M7CL - 48, 48 channels, 4 stereo inputs

**Amplifiers**

(4) d&b Audiotechnik D6

**EQ**

(4) d&b Audiotechnik D6 amp (inbuilt in amp).

Yamaha M7CL Internal EQ’s

**FX**

Yamaha M7CL Internal FX

**Compression / Limiter**

d&b Audiotechnik D6 amp (inbuilt in amp)

Yamaha M7CL Internal Dynamics Processing

#### Speakers:

**FOH Speakers**

(2) d&b Audiotechnik Ci-60

(2) d&b Audiotechnik Ci-90

(4) d&b Audiotechnik E0

(4) (2) d&b Audiotechnik Ci-7 Subs

**Foldback**

(2) JBL MR802 250wDownstage PS & OP

#### Playback:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | Make | **Model** | **Detail** | **Total** |
| **CD Player** | Denon | DN-C640 | Single CD player | **1** |
| **DVD Player** | Tascam | DV-DO1U | Single DVD player | **1** |

#### Microphones / DI’s:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Make** | Model | **Detail / Accessories** | **Use** | **Total** |
| Shure | SM 58a | Clips | Vocals | **8** |
| Shure | SM 57 | Clips | Instruments | **8** |
| Shure | SM 94 | Clips | Instruments | **10** |
| Shure | Beta52 | Internal Clip | Kick Drum | **2** |
| Sennheiser | E 602 MKII | Clip | Kick Drum | **1** |
| Sennheiser | EW 500 G3 | Receivers | Vocals / Inst | **20** |
| Sennheiser | EW 500 e945 | Handheld Microphone | Vocals | **10** |
| Sennheiser | EW 500 sk500 | Beltpack Transmitter | Vocals / Inst | **20** |
| Klark Tecnik | DN100 | DI | Inst | **8** |
| McLelland | PDB - 100 | DI | Inst | **2** |

#### Accessories:

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Model** | **Detail / Accessories** | **Total** |
| Microphone Stands | Tripod Base | With Boom Arm | **20** |
| Microphone Stands | Tripod Base | Small | **5** |
| Drum Mic Clips | K&N 24030B | Drum Microphone Clip | **4** |

#### Patching:

|  |  |  |  |
| --- | --- | --- | --- |
| **Location** | **Quantity** | **Numbering** | **Detail** |
| Control Room (looms from console) | 48 | 1 – 48 | 48 sends, 16 returns |
| PS Wing (Mic) | 20 | 1 - 20 | 20 sends |
| OP Wing (Mic) | 20 | 21 – 40 | 20 sends |
| Orchestra Pit (Mic) | 24 | 41 - 64 | 24 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) | 6 | 21 – 26 | 6 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:

#### Projectors:

Sanyo XP100 6500 ansi lumens

#### Screens:

Cyclorama can be used as a screen.

Sharkstooth screen on line 2

Scrim can be used as a screen

#### Projector Rigging Points:

Bio Box

### 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**

**HME DX 200 Wireless Communications Base Station**

Total sub stations **6 belt pack with headsets**

**4 Wireless belt packs 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 PIt**

**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.

**Stage Monitor**

TV’s are set-up in green room, dressing rooms and SM position. Camera is located at the rear in the centre of the auditorium

**Q Light System**

In house Q light system available **No**

#### Dressing Rooms:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Dressing Room** | **Capacity** | **Toilets** | **Shower** | Details |
| Dressing Rm #1 | 54 | 1 | Yes |  |
| Dressing Rm #2 | 46 | 1 | Yes |  |
| Dressing Rm #3 | 26 | 1 | Yes |  |
| Dressing Rm #4 | 5 | No | No | Shared shower & toilets with DR #3 |
| Green Room | 24 | 2 | 2 |  |
| Woodstock Theatre | 175 | No | No | Used as additional dressing room if required |

#### Laundry / Wardrobe:

Washing Machines **Yes, 1 in theatre scene dock**

Dryers **Yes, 1 in theatre scene dock**

Iron / ironing board **One**

Clothes racks **2 mobile racks, most dressing rooms have fixed rails**

#### Production Facilities:

**Production Office**

No. Dressing room #4 can be used as an office

**Phone**

No

**Fax**

Yes, available in administration office

**Internet access**

No.

#### Greenroom:

Tea / Coffee facilities **Yes**

Fridge **Yes**

Microwave **No**

Running water **Yes**

#### Stage Door:

**Access**

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

#### ADDITIONAL FACILITIES & INFORMATION

#### 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**

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**Box Office**

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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